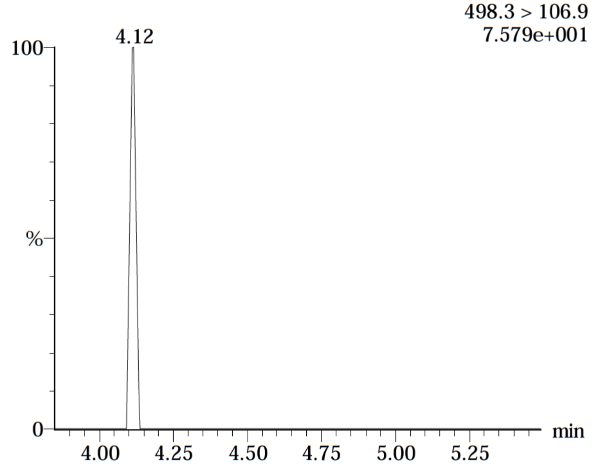
Rev'd: MM 12/1/17

Dataset: U:\Q4.PRO\results\171201M1\171201M1-23.qld

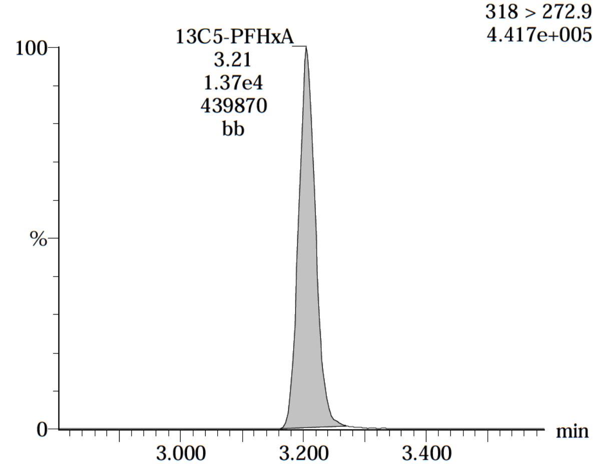
Last Altered: Friday, December 01, 2017 20:40:22 Pacific Standard Time
Printed: Friday, December 01, 2017 20:41:04 Pacific Standard Time

Name: 171201M1_23, Date: 01-Dec-2017, Time: 19:05:58, ID: 1701663-16 TRUAX-09-SB03-110717-6.5-7.0 1.34, Description: TRUAX-09-SB03-110717-6.5-7.0

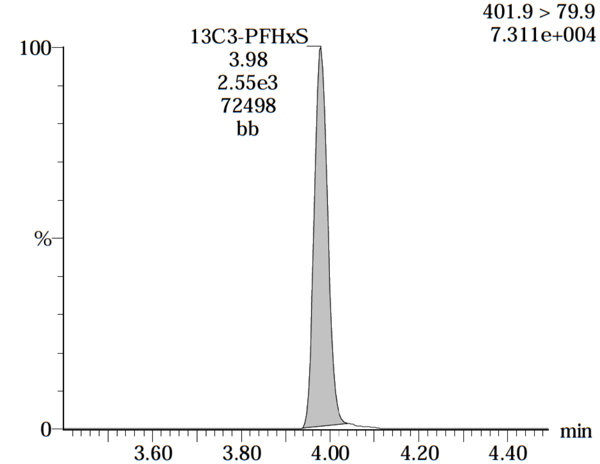
TCDA
171201M1_23 Smooth(Mn,1x2) F28:MRM of 3 channels,ES-
498.3 > 106.9
7.579e+001



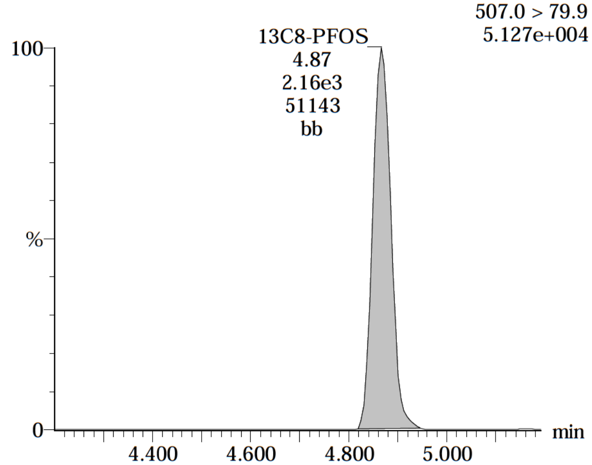
13C5-PFHxA
171201M1_23 Smooth(Mn,1x2) F10:MRM of 1 channel,ES-
318 > 272.9
4.417e+005



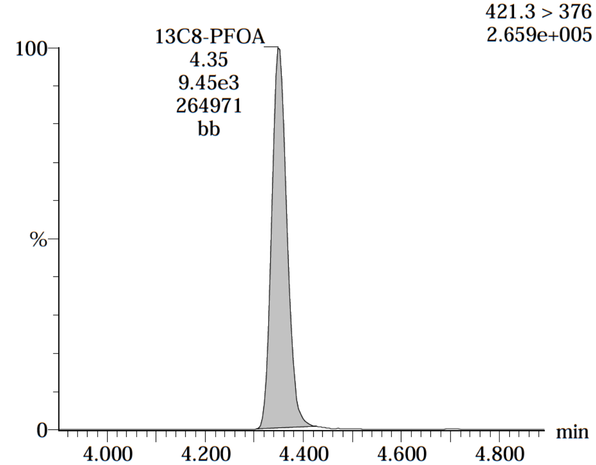
13C3-PFHxS
171201M1_23 Smooth(Mn,1x2) F16:MRM of 1 channel,ES-
401.9 > 79.9
7.311e+004



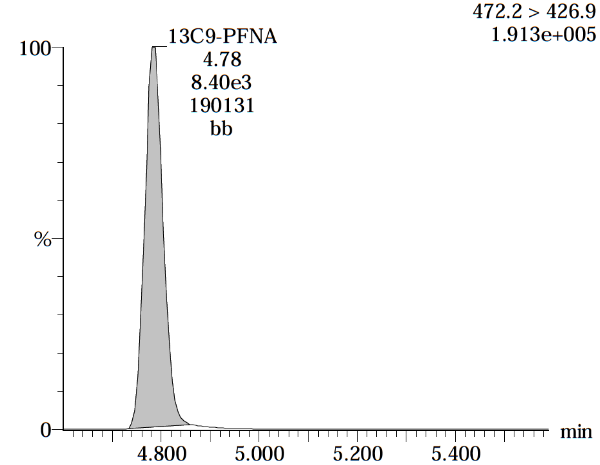
13C8-PFOS
171201M1_23 Smooth(Mn,1x2) F32:MRM of 1 channel,ES-
507.0 > 79.9
5.127e+004



13C8-PFOA
171201M1_23 Smooth(Mn,1x2) F20:MRM of 1 channel,ES-
421.3 > 376
2.659e+005



13C9-PFNA
171201M1_23 Smooth(Mn,1x2) F26:MRM of 1 channel,ES-
472.2 > 426.9
1.913e+005



AC 12/1/17

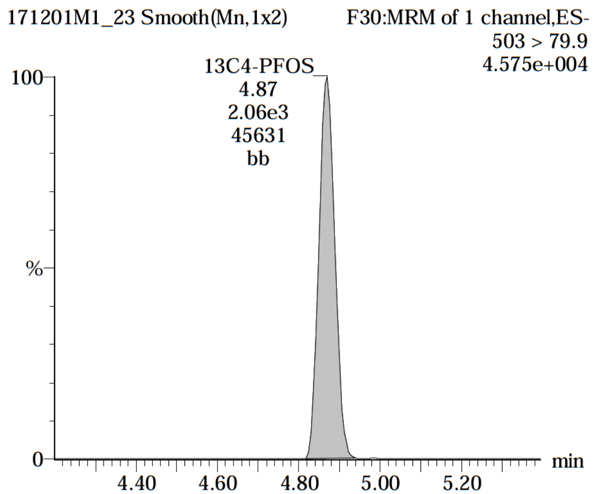
Rev'd: MM 12/1/17

Dataset: U:\Q4.PRO\results\171201M1\171201M1-23.qld

Last Altered: Friday, December 01, 2017 20:40:22 Pacific Standard Time
Printed: Friday, December 01, 2017 20:41:04 Pacific Standard Time

Name: 171201M1_23, Date: 01-Dec-2017, Time: 19:05:58, ID: 1701663-16 TRUAX-09-SB03-110717-6.5-7.0 1.34, Description: TRUAX-09-SB03-110717-6.5-7.0

13C4-PFOS



AC 12/1/17

Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Rev'd: MM 12/1/17

Dataset: U:\Q4.PRO\results\171201M1\171201M1-24.qld

Last Altered: Friday, December 01, 2017 20:42:59 Pacific Standard Time
Printed: Friday, December 01, 2017 20:43:29 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_113017.mdb 01 Dec 2017 12:18:40
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-30-17_FULL.cdb 01 Dec 2017 12:17:32

Name: 171201M1_24, Date: 01-Dec-2017, Time: 19:17:10, ID: 1701663-17 TRUAX-07-SB03-110717-0.5-1.0 1.2, Description: TRUAX-07-SB03-110717-0.5-1.0

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7	4.52e1	1.19e3	1.0158		2.90	2.71	0.475	0.226	
2	5	PFHpA	363.0 > 318.9	4.62e2	7.16e3	1.0158		4.03	3.83	0.807	0.528	
3	6	L-PFHxS	398.9 > 79.6	1.66e3	8.86e2	1.0158		4.19	3.98	23.4	10.5	
4	9	L-PFOA	413 > 368.7	8.68e2	7.32e3	1.0158		4.26	4.35	1.48	1.25	
5	12	PFNA	463.0 > 418.8	1.09e3	7.71e3	1.0158		5.00	4.79	1.77	1.33	
6	14	L-PFOS	499 > 79.9	2.91e4	2.02e3	1.0158		5.08	4.87	180	175	
7	33	13C3-PFBS	302. > 98.8	1.19e3	1.35e4	1.0158	0.092	2.90	2.71	1.10	11.8	96.1
8	34	13C2-PFHxA	315 > 269.8	3.44e3	1.35e4	1.0158	0.738	3.40	3.21	3.19	4.25	86.4
9	35	13C4-PFHpA	367.2 > 321.8	7.16e3	1.35e4	1.0158	0.564	4.03	3.83	6.63	11.6	94.0
10	36	18O2-PFHxS	403.0 > 102.6	8.86e2	2.52e3	1.0158	0.407	4.17	3.98	4.39	10.6	86.3
11	37	13C2-6:2 FTS	429.1 > 408.9	2.14e3	7.71e3	1.0158	0.265	4.49	4.29	3.48	12.9	105.1
12	38	13C2-PFOA	414.9 > 369.7	7.32e3	7.71e3	1.0158	1.026	4.54	4.35	11.9	11.4	92.5
13	39	13C5-PFNA	468.2 > 422.9	7.71e3	1.07e4	1.0158	0.942	4.97	4.78	8.98	9.39	76.3
14	40	13C8-PFOSA	506.1 > 77.7	2.79e2	3.88e3	1.0158	0.360	5.02	4.84	0.897	2.45	19.9
15	41	13C8-PFOS	507.0 > 79.9	2.02e3	2.66e3	1.0158	1.023	5.05	4.87	9.52	9.15	74.4
16	55	13C5-PFHxA	318 > 272.9	1.35e4	1.35e4	1.0158	1.000	3.40	3.21	12.5	12.3	100.0
17	56	13C3-PFHxS	401.9 > 79.9	2.52e3	2.52e3	1.0158	1.000	4.17	3.98	12.5	12.3	100.0
18	57	13C8-PFOA	421.3 > 376	7.71e3	7.71e3	1.0158	1.000	4.54	4.35	12.5	12.3	100.0
19	58	13C9-PFNA	472.2 > 426.9	1.07e4	1.07e4	1.0158	1.000	4.97	4.78	12.5	12.3	100.0
20	59	13C4-PFOS	503 > 79.9	2.66e3	2.66e3	1.0158	1.000	5.05	4.87	12.5	12.3	100.0
21	60	13C6-PFDA	519.1 > 473.7	5.65e3	5.65e3	1.0158	1.000	5.34	5.16	12.5	12.3	100.0
22	61	13C7-PFUdA	570.1 > 524.8	3.88e3	3.88e3	1.0158	1.000	5.66	5.48	12.5	12.3	100.0
23	62	Total PFHxS	398.9 > 79.6	1.66e3	8.86e2	1.0158		4.17		23.4	10.5	
24	63	Total PFOA	413 > 368.7	8.68e2	7.32e3	1.0158		4.26		1.48	1.25	
25	64	Total PFOS	499 > 79.9	2.91e4	2.02e3	1.0158		4.77		180	175	

AC 12/1/17

Quantify Sample Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Rev'd: MM 12/1/17

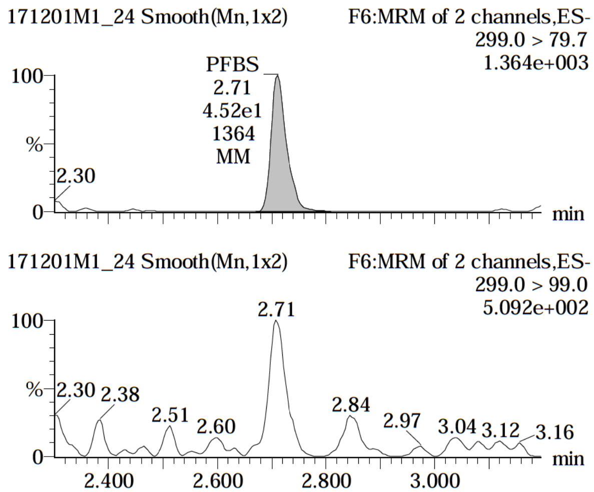
Dataset: U:\Q4.PRO\results\171201M1\171201M1-24.qld

Last Altered: Friday, December 01, 2017 20:42:59 Pacific Standard Time
Printed: Friday, December 01, 2017 20:43:29 Pacific Standard Time

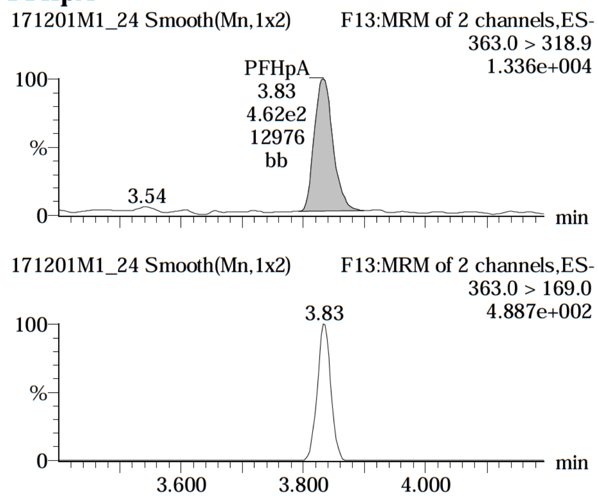
Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_113017.mdb 01 Dec 2017 12:18:40
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-30-17_FULL.cdb 01 Dec 2017 12:17:32

Name: 171201M1_24, Date: 01-Dec-2017, Time: 19:17:10, ID: 1701663-17 TRUAX-07-SB03-110717-0.5-1.0 1.2, Description: TRUAX-07-SB03-110717-0.5-1.0

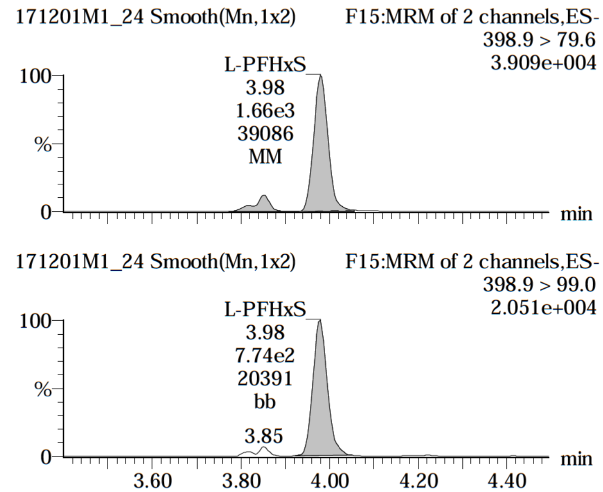
PFBS



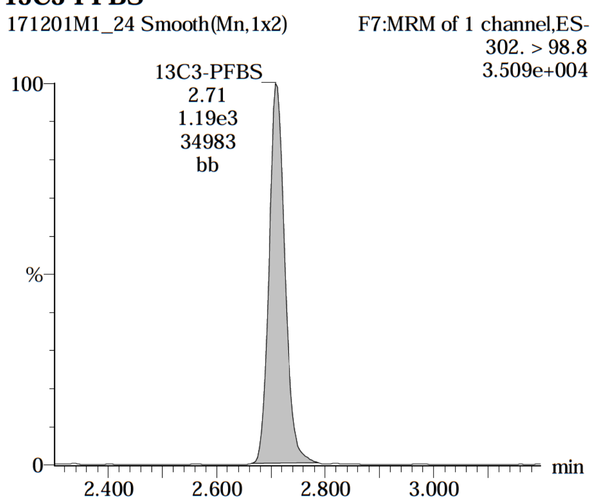
PFHpA



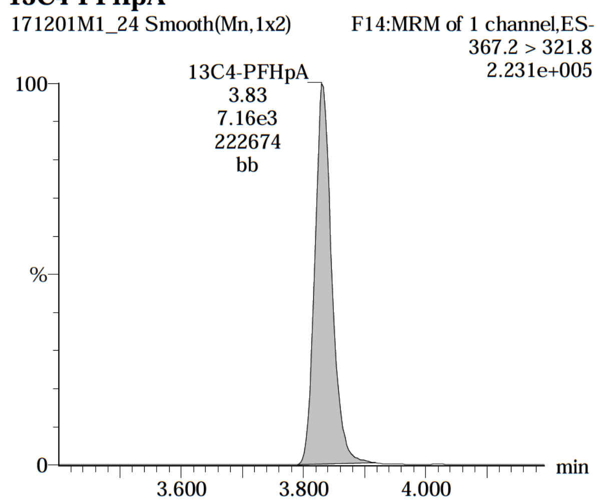
Total PFHxS



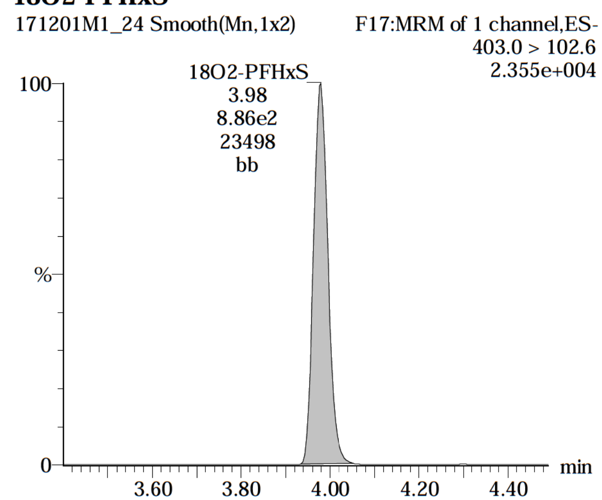
13C3-PFBS



13C4-PFHpA



18O2-PFHxS



AC 12/1/17

Vista Analytical Laboratory

Rev'd: MM 12/1/17

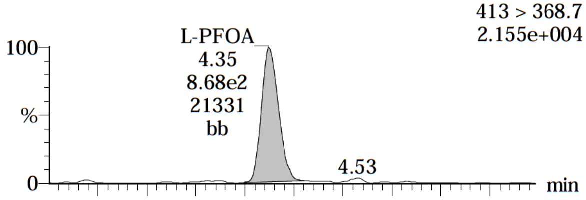
Dataset: U:\Q4.PRO\results\171201M1\171201M1-24.qld

Last Altered: Friday, December 01, 2017 20:42:59 Pacific Standard Time
Printed: Friday, December 01, 2017 20:43:29 Pacific Standard Time

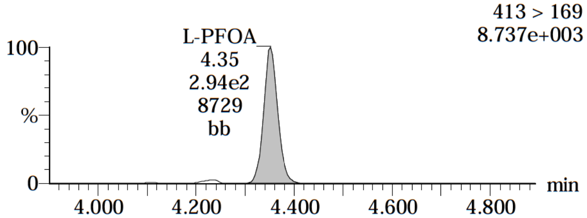
Name: 171201M1_24, Date: 01-Dec-2017, Time: 19:17:10, ID: 1701663-17 TRUAX-07-SB03-110717-0.5-1.0 1.2, Description: TRUAX-07-SB03-110717-0.5-1.0

Total PFOA

171201M1_24 Smooth(Mn,1x2) F18:MRM of 2 channels,ES-
413 > 368.7
2.155e+004

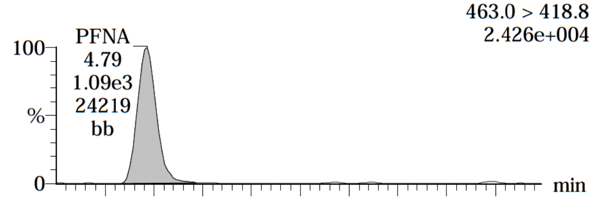


171201M1_24 Smooth(Mn,1x2) F18:MRM of 2 channels,ES-
413 > 169
8.737e+003

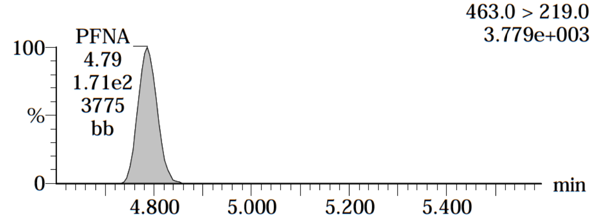


PFNA

171201M1_24 Smooth(Mn,1x2) F24:MRM of 2 channels,ES-
463.0 > 418.8
2.426e+004

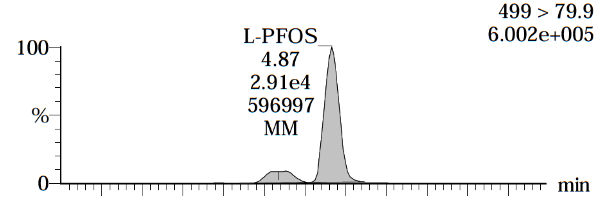


171201M1_24 Smooth(Mn,1x2) F24:MRM of 2 channels,ES-
463.0 > 219.0
3.779e+003

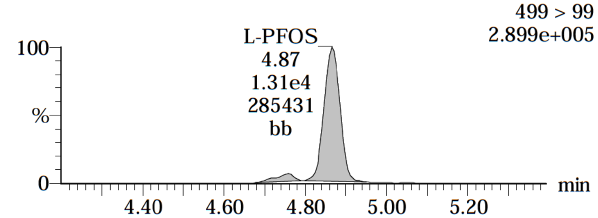


Total PFOS

171201M1_24 Smooth(Mn,1x2) F29:MRM of 2 channels,ES-
499 > 79.9
6.002e+005

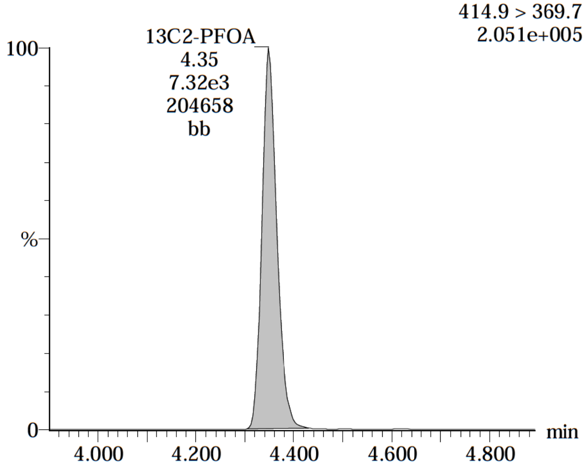


171201M1_24 Smooth(Mn,1x2) F29:MRM of 2 channels,ES-
499 > 99
2.899e+005



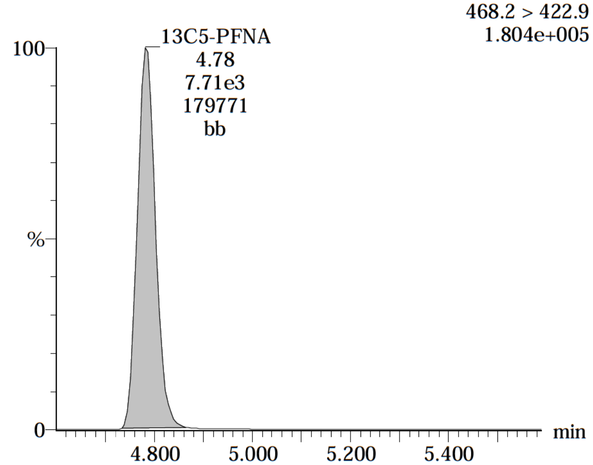
13C2-PFOA

171201M1_24 Smooth(Mn,1x2) F19:MRM of 1 channel,ES-
414.9 > 369.7
2.051e+005



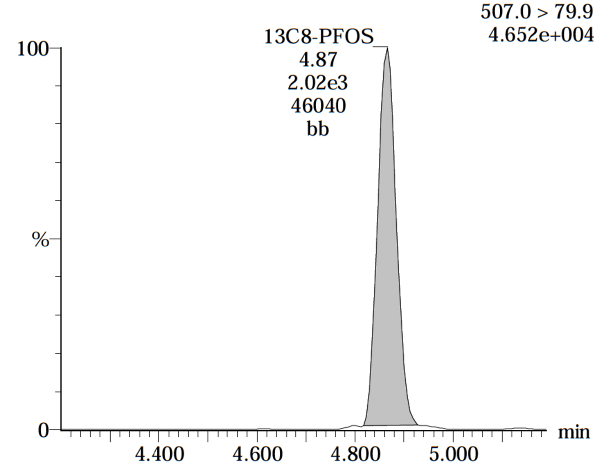
13C5-PFNA

171201M1_24 Smooth(Mn,1x2) F25:MRM of 1 channel,ES-
468.2 > 422.9
1.804e+005



13C8-PFOS

171201M1_24 Smooth(Mn,1x2) F32:MRM of 1 channel,ES-
507.0 > 79.9
4.652e+004

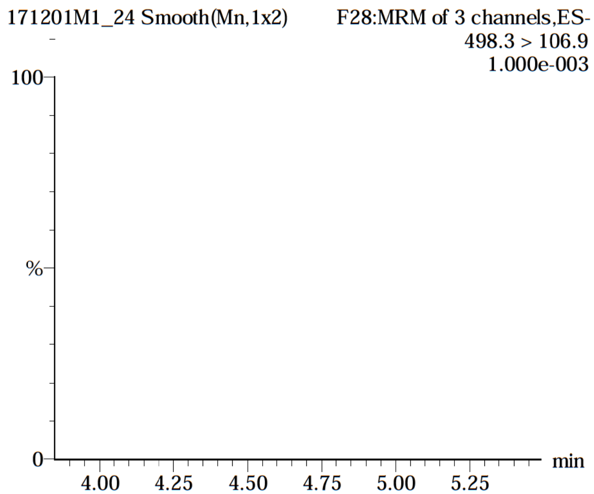


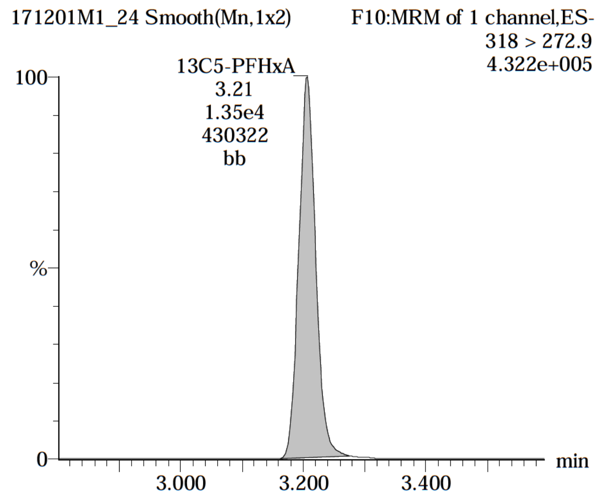
AC 12/1/17

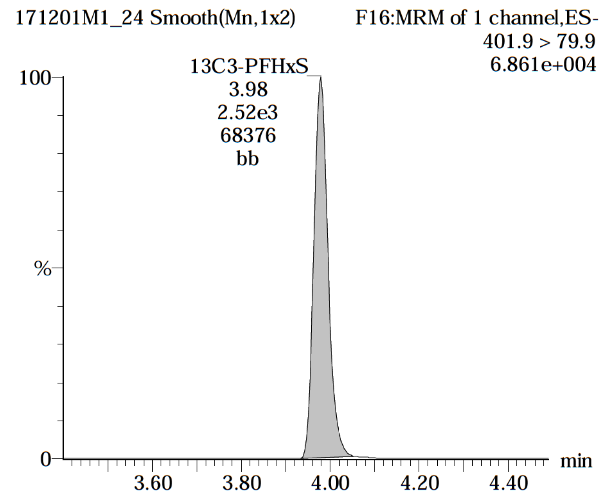
Dataset: U:\Q4.PRO\results\171201M1\171201M1-24.qld

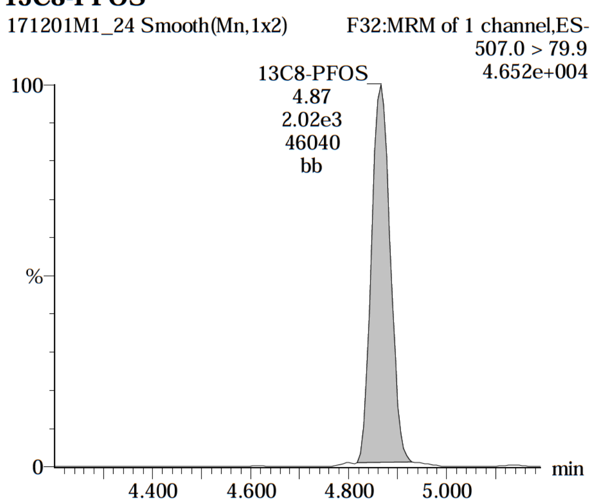
Last Altered: Friday, December 01, 2017 20:42:59 Pacific Standard Time
Printed: Friday, December 01, 2017 20:43:29 Pacific Standard Time

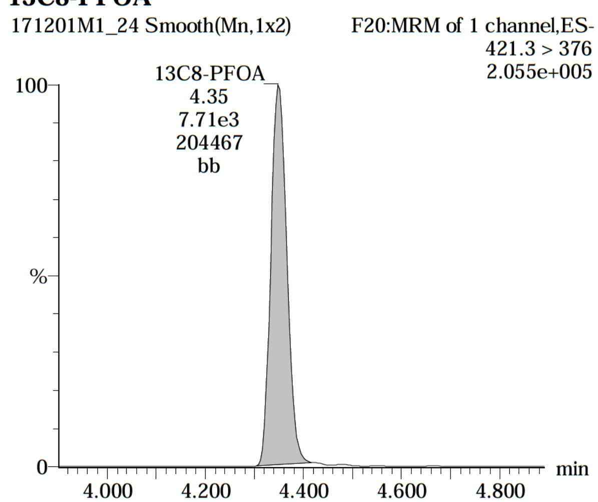
Name: 171201M1_24, Date: 01-Dec-2017, Time: 19:17:10, ID: 1701663-17 TRUAX-07-SB03-110717-0.5-1.0 1.2, Description: TRUAX-07-SB03-110717-0.5-1.0

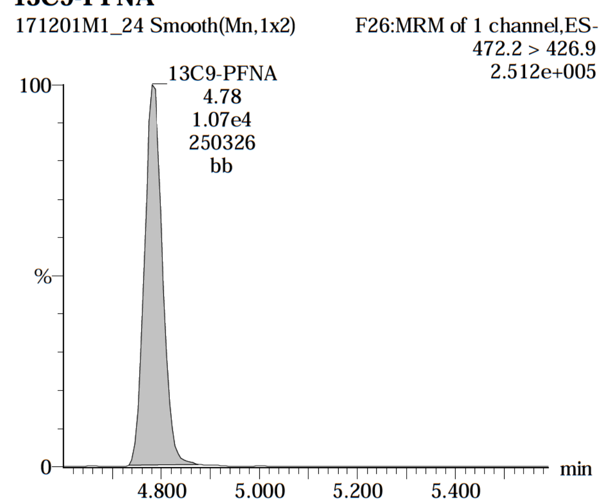
TCDA


13C5-PFHxA


13C3-PFHxS


13C8-PFOS


13C8-PFOA


13C9-PFNA


AC 12/1/17

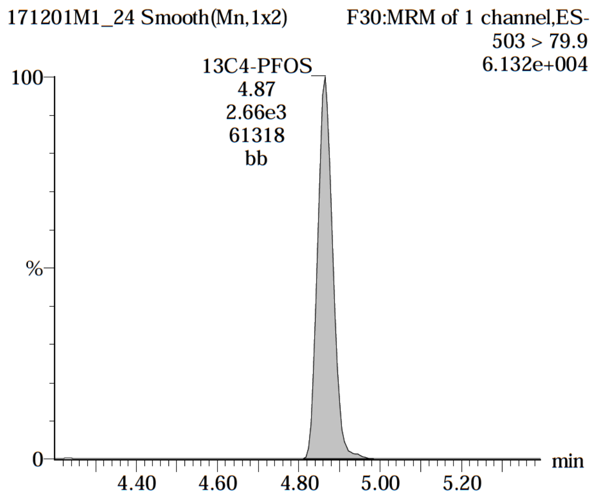
Rev'd: MM 12/1/17

Dataset: U:\Q4.PRO\results\171201M1\171201M1-24.qld

Last Altered: Friday, December 01, 2017 20:42:59 Pacific Standard Time
Printed: Friday, December 01, 2017 20:43:29 Pacific Standard Time

Name: 171201M1_24, Date: 01-Dec-2017, Time: 19:17:10, ID: 1701663-17 TRUAX-07-SB03-110717-0.5-1.0 1.2, Description: TRUAX-07-SB03-110717-0.5-1.0

13C4-PFOS



AC 12/1/17

Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Rev'd: MM 12/1/17

Dataset: U:\Q4.PRO\results\171201M1\171201M1-25.qld

Last Altered: Friday, December 01, 2017 20:45:28 Pacific Standard Time
Printed: Friday, December 01, 2017 20:45:49 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_113017.mdb 01 Dec 2017 12:18:40
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-30-17_FULL.cdb 01 Dec 2017 12:17:32

Name: 171201M1_25, Date: 01-Dec-2017, Time: 19:28:20, ID: 1701663-18 TRUAX-07-SB03-110717-5.0-5.5 1.28, Description: TRUAX-07-SB03-110717-5.0-5.5

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7	2.20e1	1.24e3	1.0638		2.90	2.71	0.221	0.112	
2	5	PFHpA	363.0 > 318.9	8.33e1	6.52e3	1.0638		4.03	3.83	0.160	0.0815	
3	6	L-PFHxS	398.9 > 79.6	9.45e2	1.02e3	1.0638		4.19	3.98	11.6	4.99	
4	9	L-PFOA	413 > 368.7	4.05e2	7.29e3	1.0638		4.26	4.35	0.694	0.447	
5	12	PFNA	463.0 > 418.8	1.89e2	7.33e3	1.0638		5.00	4.78	0.322	0.206	
6	14	L-PFOS	499 > 79.9	1.25e3	1.77e3	1.0638		5.08	4.87	8.80	8.23	
7	33	13C3-PFBS	302. > 98.8	1.24e3	1.38e4	1.0638	0.092	2.90	2.71	1.13	11.6	98.5
8	34	13C2-PFHxA	315 > 269.8	3.36e3	1.38e4	1.0638	0.738	3.40	3.20	3.05	3.88	82.6
9	35	13C4-PFHpA	367.2 > 321.8	6.52e3	1.38e4	1.0638	0.564	4.03	3.83	5.92	9.86	83.9
10	36	18O2-PFHxS	403.0 > 102.6	1.02e3	2.84e3	1.0638	0.407	4.17	3.98	4.48	10.3	88.1
11	37	13C2-6:2 FTS	429.1 > 408.9	2.43e3	9.24e3	1.0638	0.265	4.49	4.29	3.29	11.7	99.4
12	38	13C2-PFOA	414.9 > 369.7	7.29e3	9.24e3	1.0638	1.026	4.54	4.35	9.86	9.03	76.9
13	39	13C5-PFNA	468.2 > 422.9	7.33e3	1.01e4	1.0638	0.942	4.97	4.78	9.03	9.01	76.7
14	40	13C8-PFOSA	506.1 > 77.7	4.99e2	4.97e3	1.0638	0.360	5.02	4.84	1.25	3.27	27.9
15	41	13C8-PFOS	507.0 > 79.9	1.77e3	2.78e3	1.0638	1.023	5.05	4.86	7.98	7.33	62.3
16	55	13C5-PFHxA	318 > 272.9	1.38e4	1.38e4	1.0638	1.000	3.40	3.20	12.5	11.8	100.0
17	56	13C3-PFHxS	401.9 > 79.9	2.84e3	2.84e3	1.0638	1.000	4.17	3.98	12.5	11.8	100.0
18	57	13C8-PFOA	421.3 > 376	9.24e3	9.24e3	1.0638	1.000	4.54	4.35	12.5	11.8	100.0
19	58	13C9-PFNA	472.2 > 426.9	1.01e4	1.01e4	1.0638	1.000	4.97	4.78	12.5	11.8	100.0
20	59	13C4-PFOS	503 > 79.9	2.78e3	2.78e3	1.0638	1.000	5.05	4.87	12.5	11.8	100.0
21	60	13C6-PFDA	519.1 > 473.7	5.47e3	5.47e3	1.0638	1.000	5.34	5.16	12.5	11.8	100.0
22	61	13C7-PFUdA	570.1 > 524.8	4.97e3	4.97e3	1.0638	1.000	5.66	5.48	12.5	11.8	100.0
23	62	Total PFHxS	398.9 > 79.6	9.45e2	1.02e3	1.0638		4.17		11.6	4.99	
24	63	Total PFOA	413 > 368.7	4.05e2	7.29e3	1.0638		4.26		0.694	0.447	
25	64	Total PFOS	499 > 79.9	1.25e3	1.77e3	1.0638		4.77		8.80	8.23	

AC 12/1/17

Quantify Sample Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Rev'd: MM 12/1/17

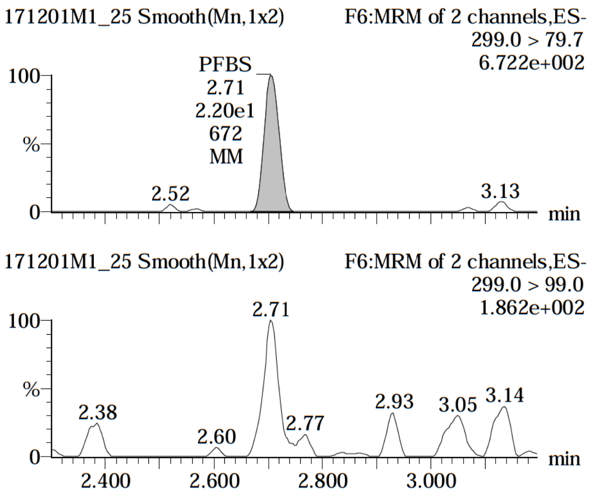
Dataset: U:\Q4.PRO\results\171201M1\171201M1-25.qld

Last Altered: Friday, December 01, 2017 20:45:28 Pacific Standard Time
Printed: Friday, December 01, 2017 20:45:49 Pacific Standard Time

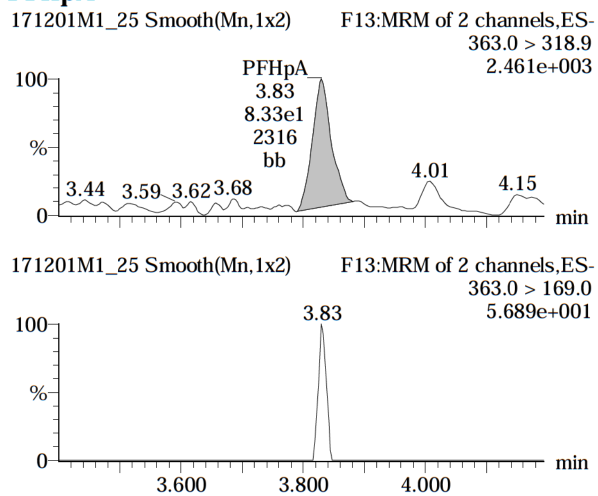
Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_113017.mdb 01 Dec 2017 12:18:40
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-30-17_FULL.cdb 01 Dec 2017 12:17:32

Name: 171201M1_25, Date: 01-Dec-2017, Time: 19:28:20, ID: 1701663-18 TRUAX-07-SB03-110717-5.0-5.5 1.28, Description: TRUAX-07-SB03-110717-5.0-5.5

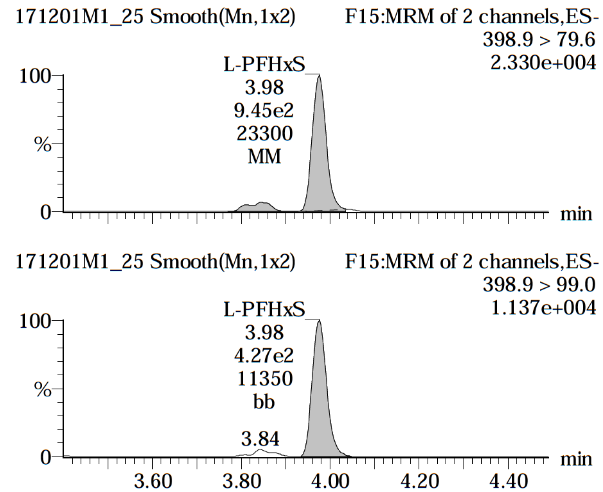
PFBS



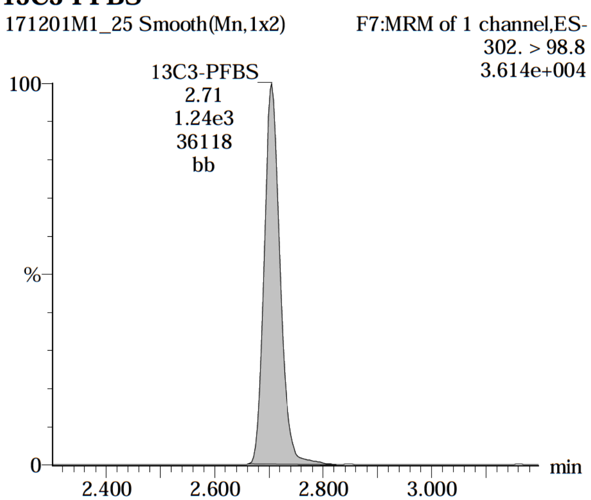
PFHpA



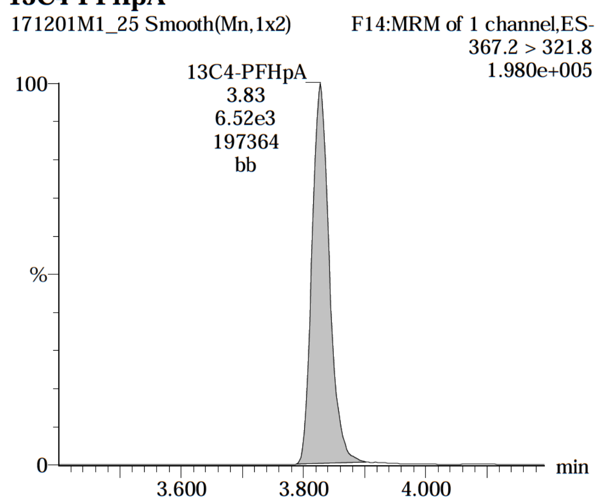
Total PFHxS



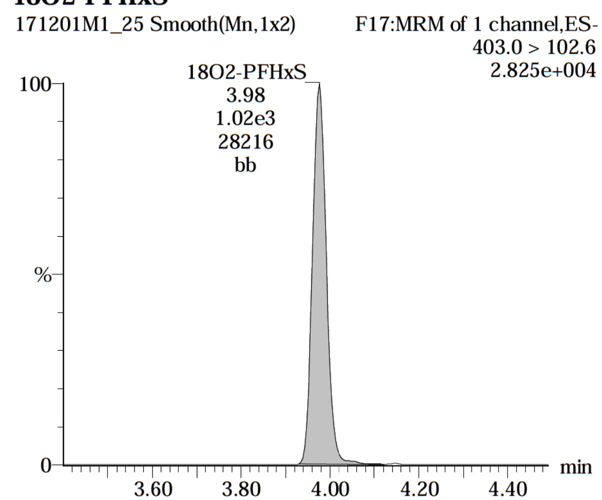
13C3-PFBS



13C4-PFHpA



18O2-PFHxS



AC 12/1/17

Vista Analytical Laboratory

Rev'd: MM 12/1/17

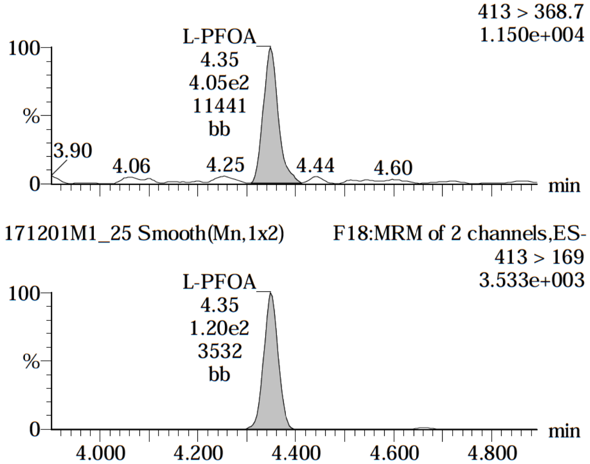
Dataset: U:\Q4.PRO\results\171201M1\171201M1-25.qld

Last Altered: Friday, December 01, 2017 20:45:28 Pacific Standard Time
Printed: Friday, December 01, 2017 20:45:49 Pacific Standard Time

Name: 171201M1_25, Date: 01-Dec-2017, Time: 19:28:20, ID: 1701663-18 TRUAX-07-SB03-110717-5.0-5.5 1.28, Description: TRUAX-07-SB03-110717-5.0-5.5

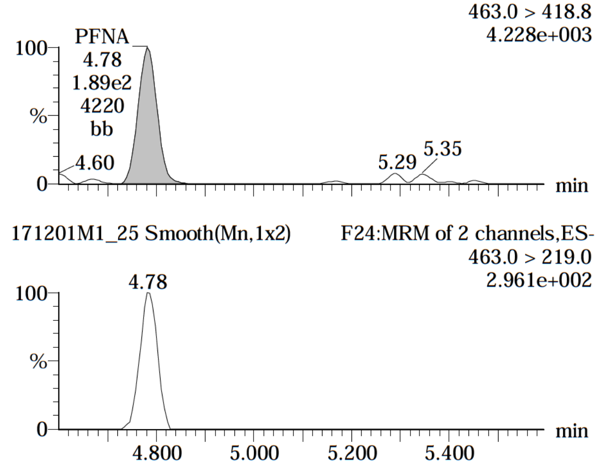
Total PFOA

171201M1_25 Smooth(Mn,1x2) F18:MRM of 2 channels,ES- 413 > 368.7 1.150e+004
171201M1_25 Smooth(Mn,1x2) F18:MRM of 2 channels,ES- 413 > 169 3.533e+003



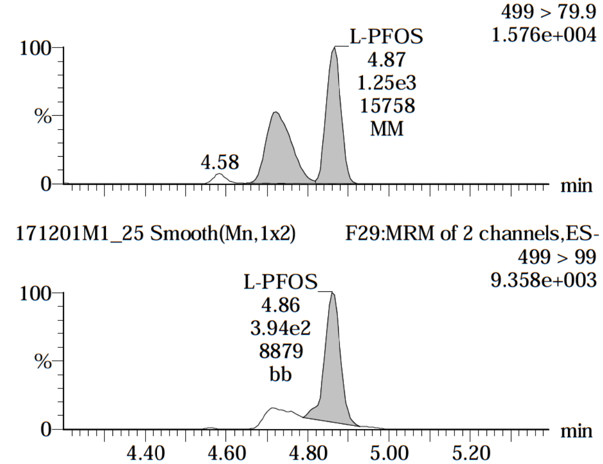
PFNA

171201M1_25 Smooth(Mn,1x2) F24:MRM of 2 channels,ES- 463.0 > 418.8 4.228e+003
171201M1_25 Smooth(Mn,1x2) F24:MRM of 2 channels,ES- 463.0 > 219.0 2.961e+002



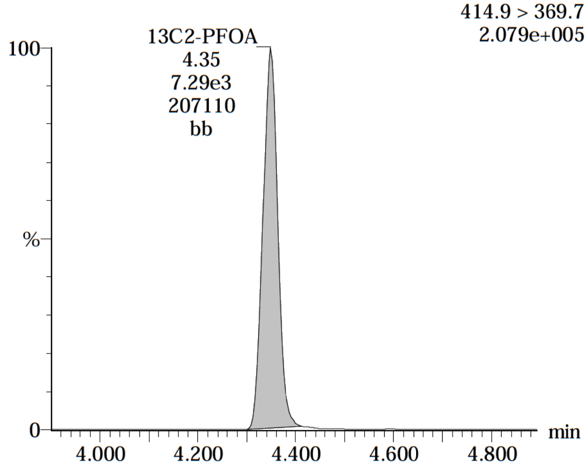
Total PFOS

171201M1_25 Smooth(Mn,1x2) F29:MRM of 2 channels,ES- 499 > 79.9 1.576e+004
171201M1_25 Smooth(Mn,1x2) F29:MRM of 2 channels,ES- 499 > 99 9.358e+003



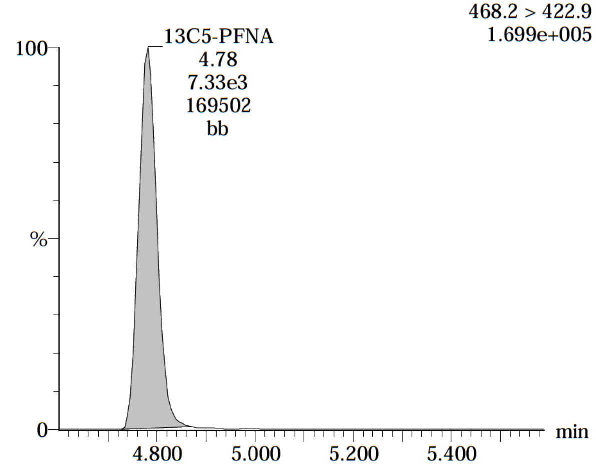
13C2-PFOA

171201M1_25 Smooth(Mn,1x2) F19:MRM of 1 channel,ES- 414.9 > 369.7 2.079e+005



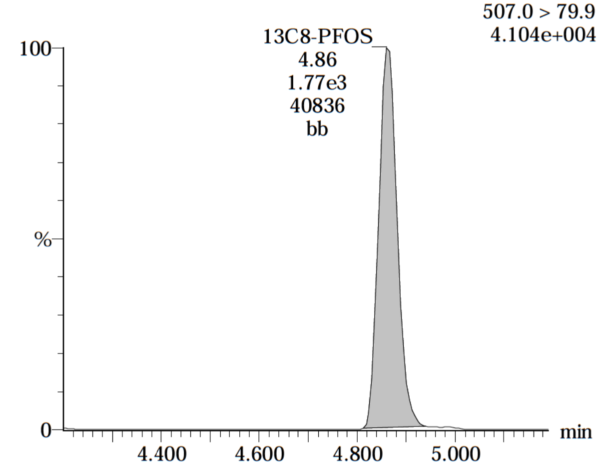
13C5-PFNA

171201M1_25 Smooth(Mn,1x2) F25:MRM of 1 channel,ES- 468.2 > 422.9 1.699e+005



13C8-PFOS

171201M1_25 Smooth(Mn,1x2) F32:MRM of 1 channel,ES- 507.0 > 79.9 4.104e+004



AC 12/1/17

Vista Analytical Laboratory

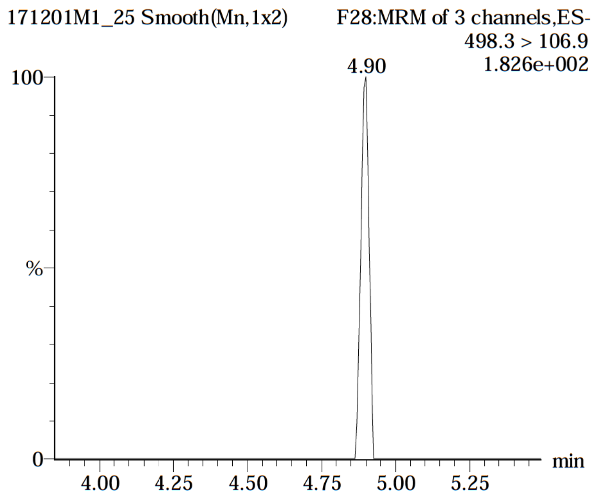
Rev'd: MM 12/1/17

Dataset: U:\Q4.PRO\results\171201M1\171201M1-25.qld

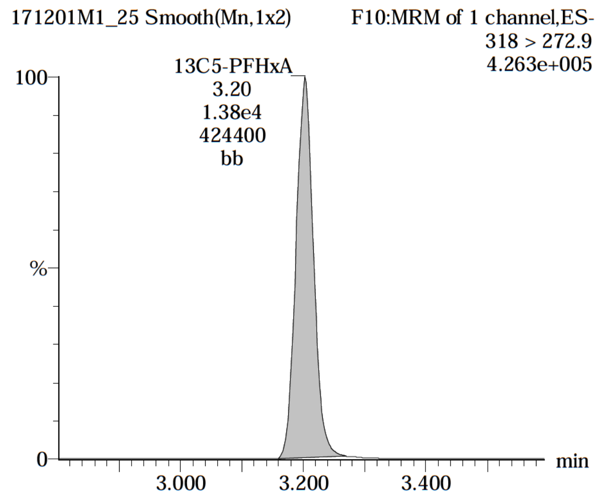
Last Altered: Friday, December 01, 2017 20:45:28 Pacific Standard Time
Printed: Friday, December 01, 2017 20:45:49 Pacific Standard Time

Name: 171201M1_25, Date: 01-Dec-2017, Time: 19:28:20, ID: 1701663-18 TRUAX-07-SB03-110717-5.0-5.5 1.28, Description: TRUAX-07-SB03-110717-5.0-5.5

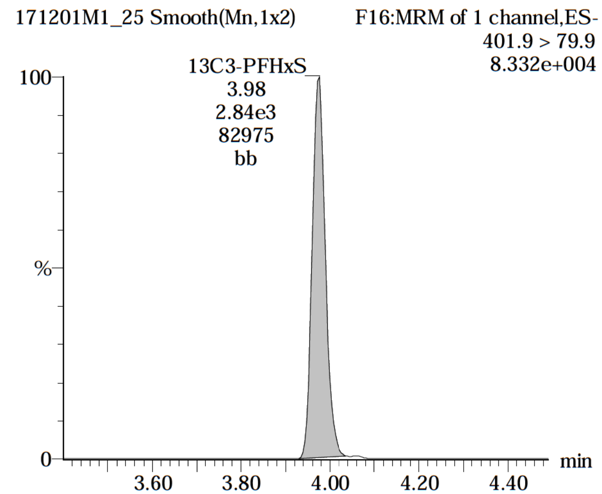
TCDA



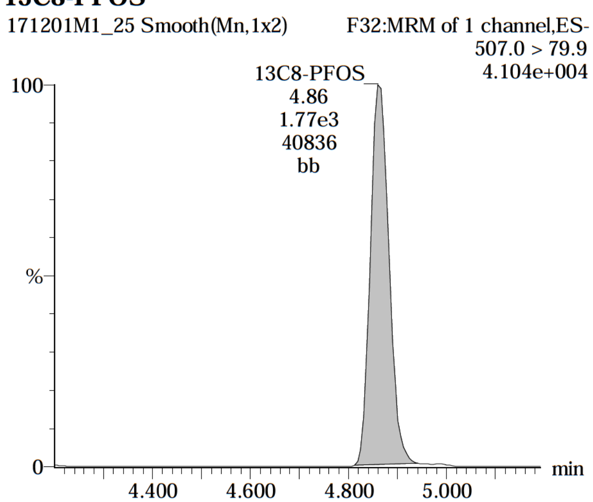
13C5-PFHxA



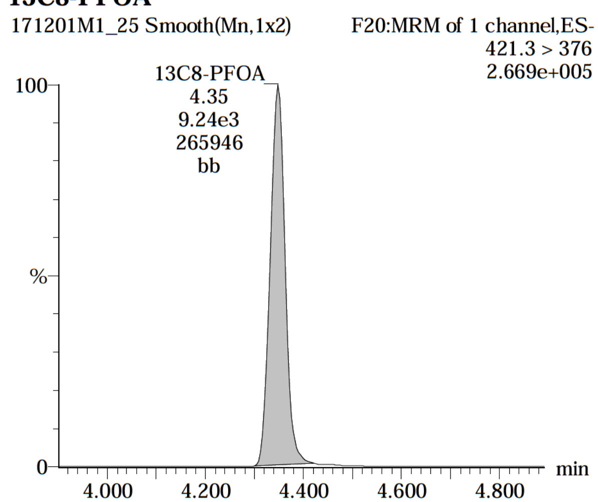
13C3-PFHxS



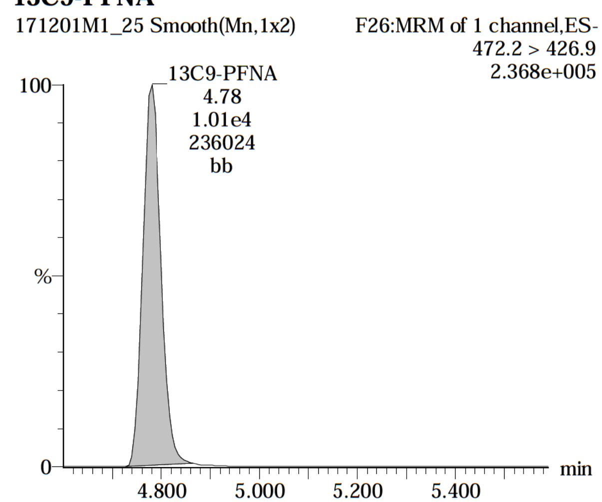
13C8-PFOS



13C8-PFOA



13C9-PFNA



AC 12/1/17

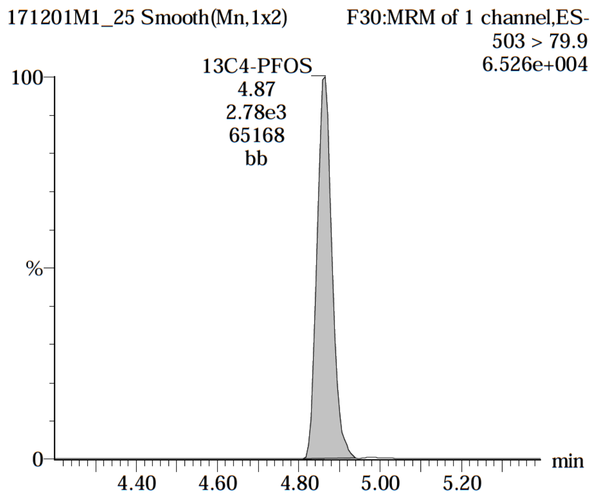
Rev'd: MM 12/1/17

Dataset: U:\Q4.PRO\results\171201M1\171201M1-25.qld

Last Altered: Friday, December 01, 2017 20:45:28 Pacific Standard Time
Printed: Friday, December 01, 2017 20:45:49 Pacific Standard Time

Name: 171201M1_25, Date: 01-Dec-2017, Time: 19:28:20, ID: 1701663-18 TRUAX-07-SB03-110717-5.0-5.5 1.28, Description: TRUAX-07-SB03-110717-5.0-5.5

13C4-PFOS



AC 12/1/17

Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Rev'd: MM 12/1/17

Dataset: U:\Q4.PRO\results\171130M1\171130M1-79.qld

Last Altered: Friday, December 01, 2017 21:07:03 Pacific Standard Time
Printed: Friday, December 01, 2017 21:07:38 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_112917.mdb 29 Nov 2017 15:16:56
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-29-17_FULL.cdb 29 Nov 2017 15:34:31

Name: 171130M1_79, Date: 30-Nov-2017, Time: 23:41:25, ID: 1701663-19 TRUAX-07-SB02-110717-0.5-1.0 1.19, Description: TRUAX-07-SB02-110717-0.5-1.0

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7	6.05e0	1.22e3	1.0359		2.90	2.72	0.0620	0.00358	
2	5	PFHpA	363.0 > 318.9	1.23e2	6.74e3	1.0359		4.03	3.84	0.229	0.0808	
3	6	L-PFHxS	398.9 > 79.6	4.71e2	9.55e2	1.0359		4.19	3.99	6.16	2.93	
4	9	L-PFOA	413 > 368.7	2.61e2	6.90e3	1.0359		4.26	4.36	0.472	0.189	
5	12	PFNA	463.0 > 418.8	2.15e2	7.30e3	1.0359		5.00	4.80	0.369	0.268	
6	14	L-PFOS	499 > 79.9	5.01e3	1.83e3	1.0359		5.08	4.88	34.3	33.1	
7	33	13C3-PFBS	302. > 98.8	1.22e3	1.30e4	1.0359	0.094	2.90	2.71	1.17	12.0	99.7
8	34	13C2-PFHxA	315 > 269.8	3.17e3	1.30e4	1.0359	0.738	3.40	3.21	3.04	3.98	82.4
9	35	13C4-PFHpA	367.2 > 321.8	6.74e3	1.30e4	1.0359	0.580	4.03	3.84	6.47	10.8	89.3
10	36	18O2-PFHxS	403.0 > 102.6	9.55e2	2.61e3	1.0359	0.438	4.17	3.99	4.57	10.1	83.4
11	37	13C2-6:2 FTS	429.1 > 408.9	1.96e3	1.01e4	1.0359	0.279	4.49	4.31	2.43	8.41	69.7
12	38	13C2-PFOA	414.9 > 369.7	6.90e3	1.01e4	1.0359	0.912	4.54	4.36	8.56	9.07	75.2
13	39	13C5-PFNA	468.2 > 422.9	7.30e3	1.07e4	1.0359	0.944	4.97	4.80	8.50	8.69	72.0
14	40	13C8-PFOSA	506.1 > 77.7	7.65e2	4.12e3	1.0359	0.444	5.02	4.85	2.32	5.05	41.9
15	41	13C8-PFOS	507.0 > 79.9	1.83e3	2.51e3	1.0359	1.038	5.05	4.88	9.11	8.47	70.2
16	55	13C5-PFHxA	318 > 272.9	1.30e4	1.30e4	1.0359	1.000	3.40	3.21	12.5	12.1	100.0
17	56	13C3-PFHxS	401.9 > 79.9	2.61e3	2.61e3	1.0359	1.000	4.17	3.99	12.5	12.1	100.0
18	57	13C8-PFOA	421.3 > 376	1.01e4	1.01e4	1.0359	1.000	4.54	4.36	12.5	12.1	100.0
19	58	13C9-PFNA	472.2 > 426.9	1.07e4	1.07e4	1.0359	1.000	4.97	4.80	12.5	12.1	100.0
20	59	13C4-PFOS	503 > 79.9	2.51e3	2.51e3	1.0359	1.000	5.05	4.88	12.5	12.1	100.0
21	60	13C6-PFDA	519.1 > 473.7	4.80e3	4.80e3	1.0359	1.000	5.34	5.17	12.5	12.1	100.0
22	61	13C7-PFUdA	570.1 > 524.8	4.12e3	4.12e3	1.0359	1.000	5.66	5.49	12.5	12.1	100.0
23	62	Total PFHxS	398.9 > 79.6	4.71e2	9.55e2	1.0359		4.17		6.16	2.93	
24	63	Total PFOA	413 > 368.7	2.61e2	6.90e3	1.0359		4.26		0.472	0.189	
25	64	Total PFOS	499 > 79.9	5.01e3	1.83e3	1.0359		4.77		34.3	33.1	

AC 12/1/17

Vista Analytical Laboratory

Rev'd: MM 12/1/17

Dataset: U:\Q4.PRO\results\171130M1\171130M1-79.qld

Last Altered: Friday, December 01, 2017 21:07:03 Pacific Standard Time
Printed: Friday, December 01, 2017 21:07:38 Pacific Standard Time

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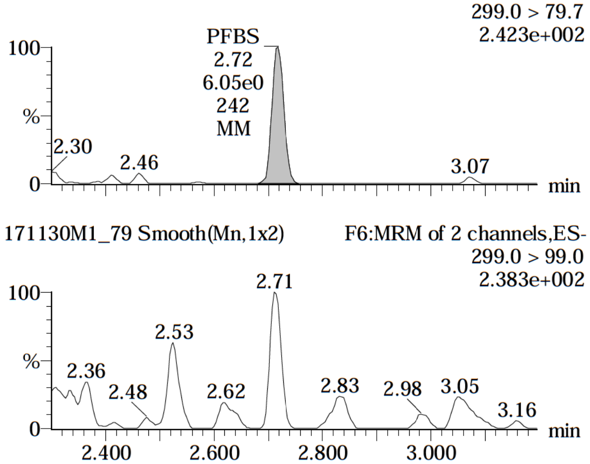
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-29-17_FULL.cdb 29 Nov 2017 15:34:31

Name: 171130M1_79, Date: 30-Nov-2017, Time: 23:41:25, ID: 1701663-19 TRUAX-07-SB02-110717-0.5-1.0 1.19, Description: TRUAX-07-SB02-110717-0.5-1.0

PFBS

171130M1_79 Smooth(Mn,1x2) F6:MRM of 2 channels,ES- 299.0 > 79.7 2.423e+002

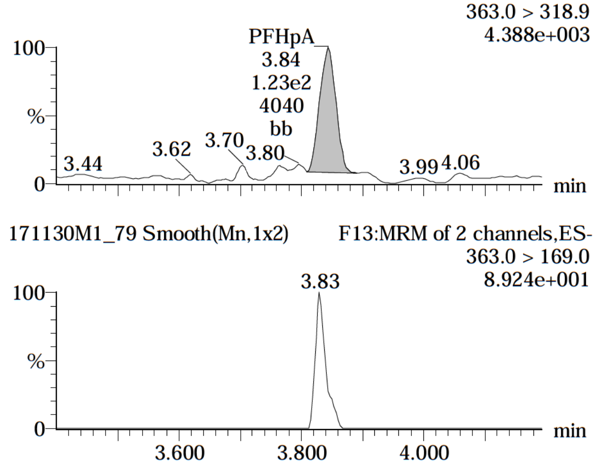
171130M1_79 Smooth(Mn,1x2) F6:MRM of 2 channels,ES- 299.0 > 99.0 2.383e+002



PFHpA

171130M1_79 Smooth(Mn,1x2) F13:MRM of 2 channels,ES- 363.0 > 318.9 4.388e+003

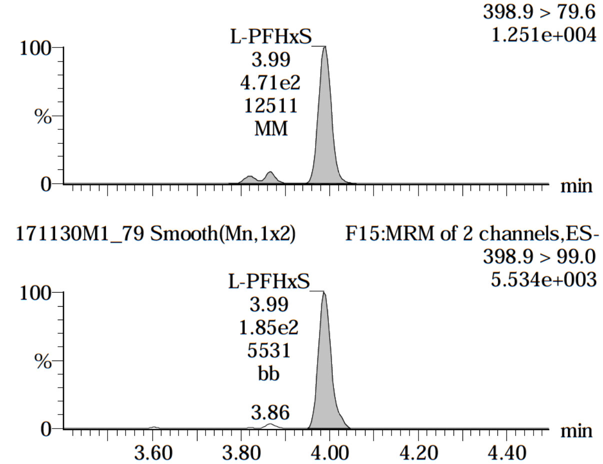
171130M1_79 Smooth(Mn,1x2) F13:MRM of 2 channels,ES- 363.0 > 169.0 8.924e+001



Total PFHxS

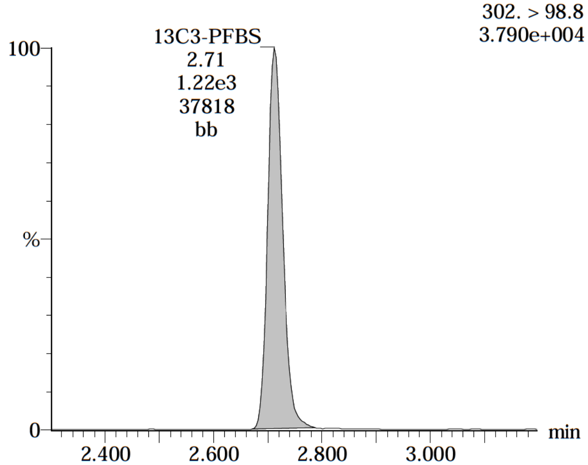
171130M1_79 Smooth(Mn,1x2) F15:MRM of 2 channels,ES- 398.9 > 79.6 1.251e+004

171130M1_79 Smooth(Mn,1x2) F15:MRM of 2 channels,ES- 398.9 > 99.0 5.534e+003



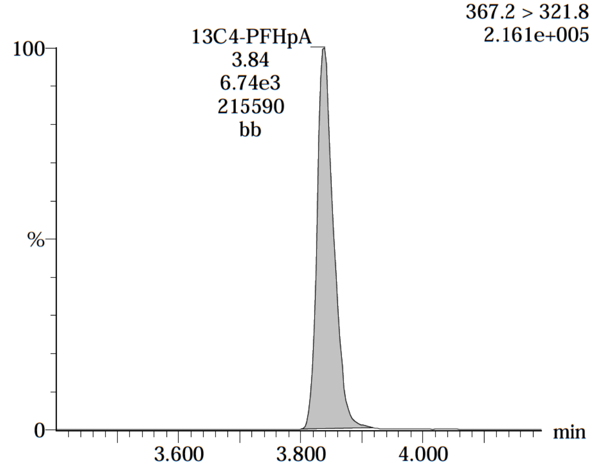
13C3-PFBS

171130M1_79 Smooth(Mn,1x2) F7:MRM of 1 channel,ES- 302. > 98.8 3.790e+004



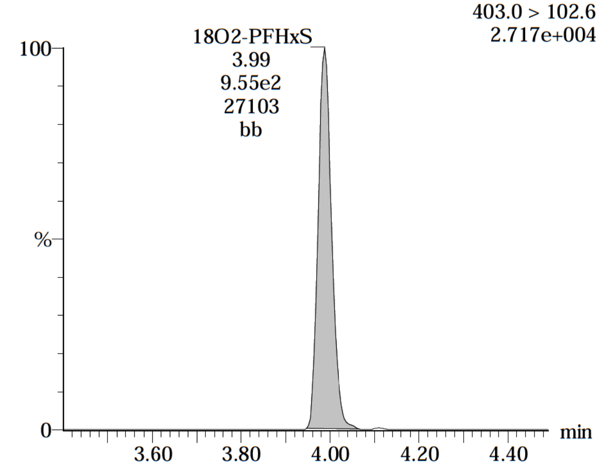
13C4-PFHpA

171130M1_79 Smooth(Mn,1x2) F14:MRM of 1 channel,ES- 367.2 > 321.8 2.161e+005



18O2-PFHxS

171130M1_79 Smooth(Mn,1x2) F17:MRM of 1 channel,ES- 403.0 > 102.6 2.717e+004



AC 12/1/17

Vista Analytical Laboratory

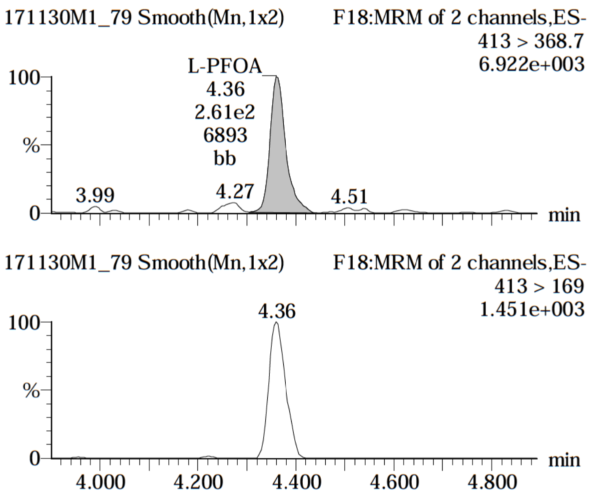
Rev'd: MM 12/1/17

Dataset: U:\Q4.PRO\results\171130M1\171130M1-79.qld

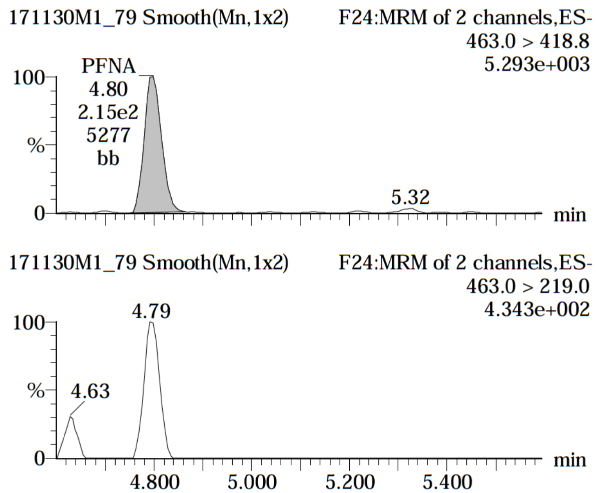
Last Altered: Friday, December 01, 2017 21:07:03 Pacific Standard Time
Printed: Friday, December 01, 2017 21:07:38 Pacific Standard Time

Name: 171130M1_79, Date: 30-Nov-2017, Time: 23:41:25, ID: 1701663-19 TRUAX-07-SB02-110717-0.5-1.0 1.19, Description: TRUAX-07-SB02-110717-0.5-1.0

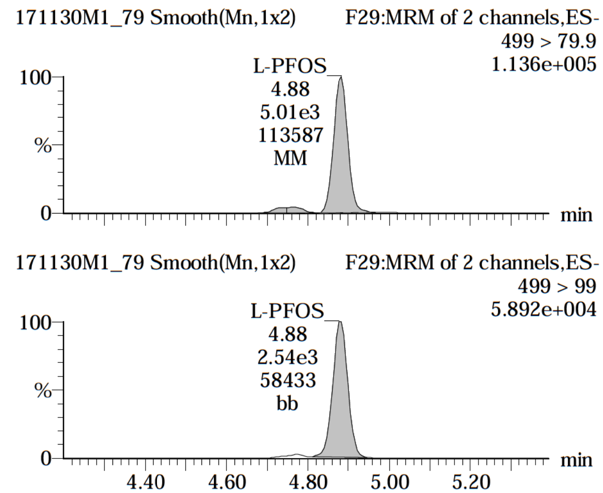
Total PFOA



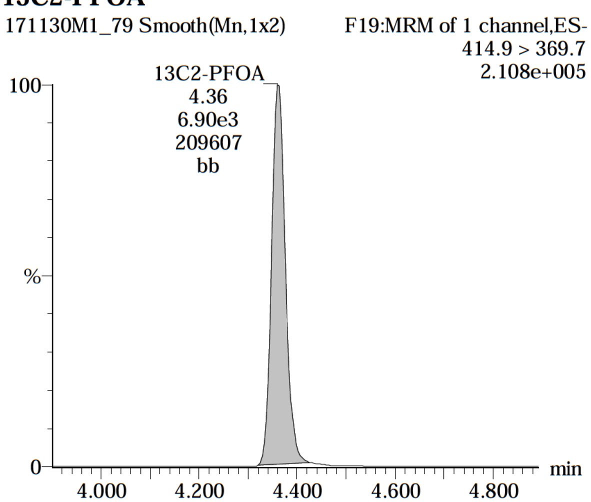
PFNA



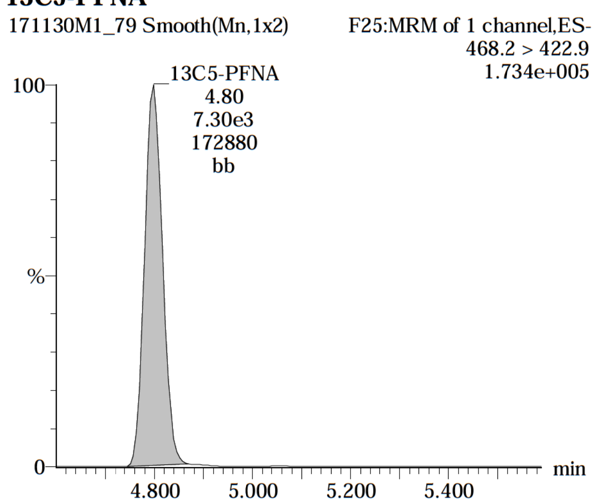
Total PFOS



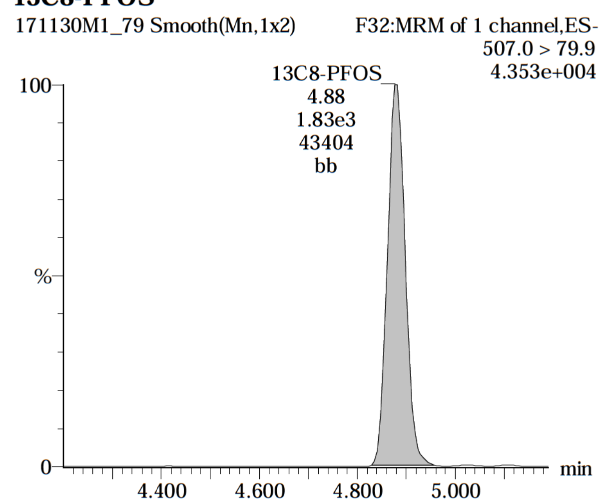
13C2-PFOA



13C5-PFNA



13C8-PFOS



AC 12/1/17

Vista Analytical Laboratory

Rev'd: MM 12/1/17

Dataset: U:\Q4.PRO\results\171130M1\171130M1-79.qld

Last Altered: Friday, December 01, 2017 21:07:03 Pacific Standard Time
Printed: Friday, December 01, 2017 21:07:38 Pacific Standard Time

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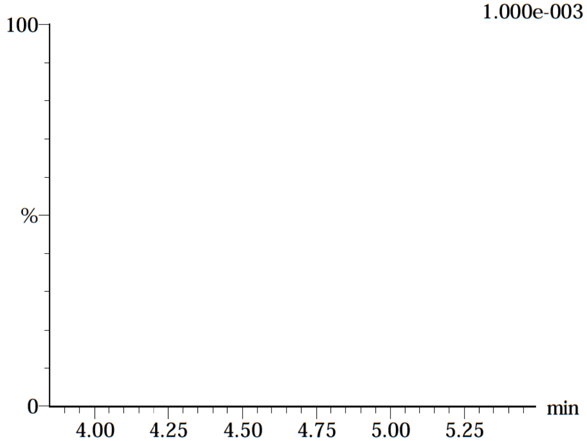
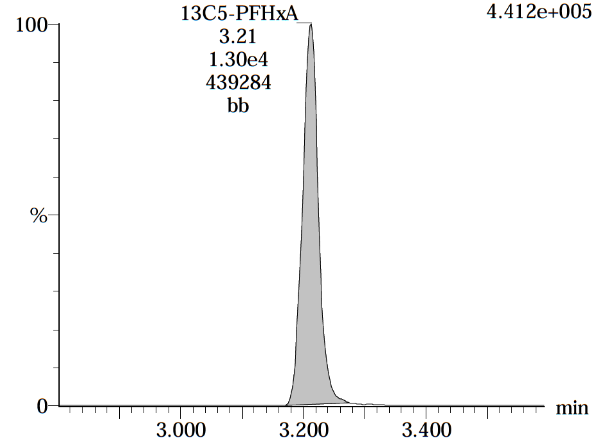
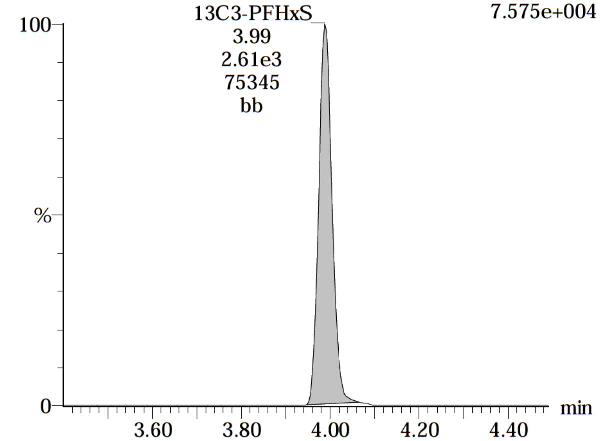
TCDA
171130M1_79 Smooth(Mn,1x2) F28:MRM of 3 channels,ES-
498.3 > 106.9
1.000e-003



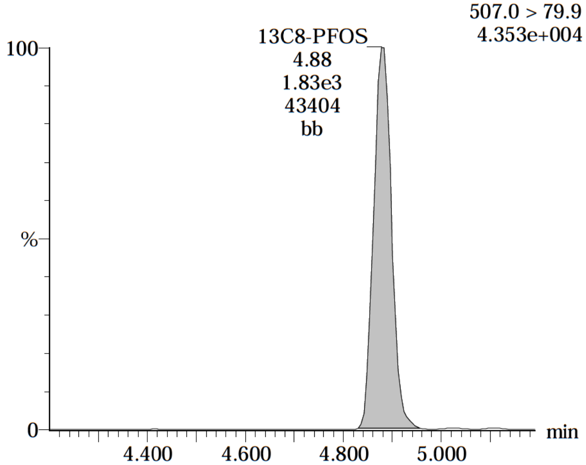
13C5-PFHxA
171130M1_79 Smooth(Mn,1x2) F10:MRM of 1 channel,ES-
318 > 272.9
4.412e+005



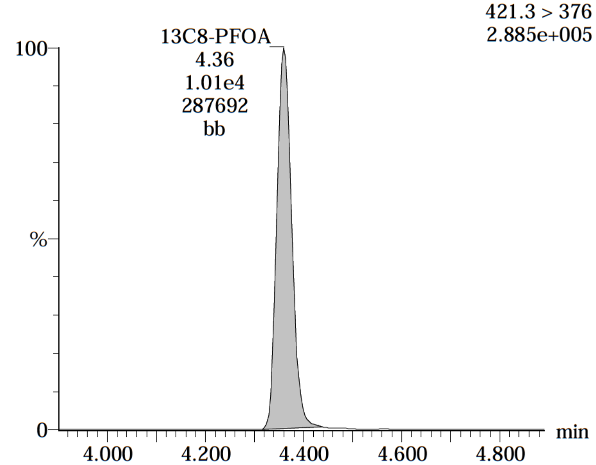
13C3-PFHxS
171130M1_79 Smooth(Mn,1x2) F16:MRM of 1 channel,ES-
401.9 > 79.9
7.575e+004



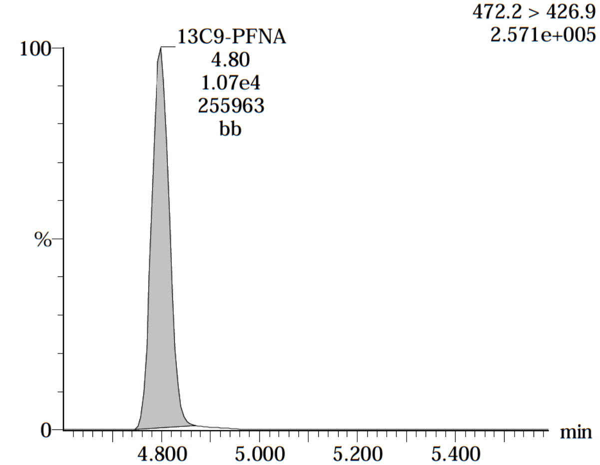
13C8-PFOS
171130M1_79 Smooth(Mn,1x2) F32:MRM of 1 channel,ES-
507.0 > 79.9
4.353e+004



13C8-PFOA
171130M1_79 Smooth(Mn,1x2) F20:MRM of 1 channel,ES-
421.3 > 376
2.885e+005



13C9-PFNA
171130M1_79 Smooth(Mn,1x2) F26:MRM of 1 channel,ES-
472.2 > 426.9
2.571e+005



AC 12/1/17

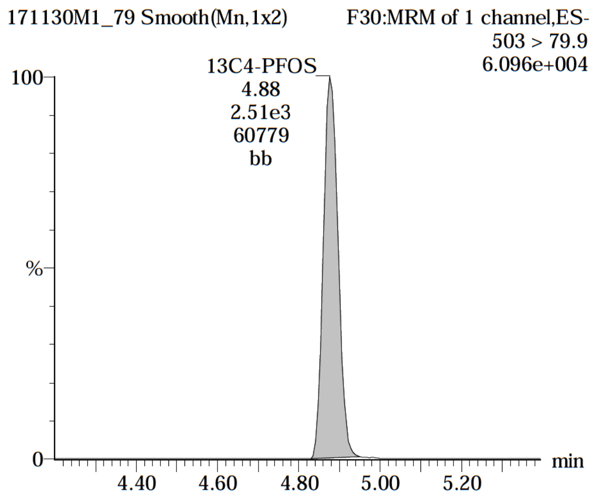
Rev'd: MM 12/1/17

Dataset: U:\Q4.PRO\results\171130M1\171130M1-79.qld

Last Altered: Friday, December 01, 2017 21:07:03 Pacific Standard Time
Printed: Friday, December 01, 2017 21:07:38 Pacific Standard Time

Name: 171130M1_79, Date: 30-Nov-2017, Time: 23:41:25, ID: 1701663-19 TRUAX-07-SB02-110717-0.5-1.0 1.19, Description: TRUAX-07-SB02-110717-0.5-1.0

13C4-PFOS



AC 12/1/17

Vista Analytical Laboratory

Rev'd: MM 12/1/17

Dataset: U:\Q4.PRO\results\171201M1\171201M1-26.qld

Last Altered: Friday, December 01, 2017 20:52:08 Pacific Standard Time
Printed: Friday, December 01, 2017 20:52:32 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_113017.mdb 01 Dec 2017 12:18:40
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-30-17_FULL.cdb 01 Dec 2017 12:17:32

Name: 171201M1_26, Date: 01-Dec-2017, Time: 19:39:31, ID: 1701663-20 TRUAX-07-SB02-110717-4.5-5.0 1.33, Description: TRUAX-07-SB02-110717-4.5-5.0

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7		1.15e3	1.0871		2.90				
2	5	PFHpA	363.0 > 318.9	1.03e2	6.42e3	1.0871		4.03	3.83	0.201	0.106	
3	6	L-PFHxS	398.9 > 79.6	6.52e2	1.02e3	1.0871		4.19	3.98	7.96	3.36	
4	9	L-PFOA	413 > 368.7	3.52e2	6.84e3	1.0871		4.26	4.35	0.643	0.390	
5	12	PFNA	463.0 > 418.8	3.02e2	7.96e3	1.0871		5.00	4.78	0.475	0.311	
6	14	L-PFOS	499 > 79.9	3.54e3	2.31e3	1.0871		5.08	4.87	19.2	17.5	
7	33	13C3-PFBS	302. > 98.8	1.15e3	1.31e4	1.0871	0.092	2.90	2.71	1.10	11.1	96.1
8	34	13C2-PFHxA	315 > 269.8	3.55e3	1.31e4	1.0871	0.738	3.40	3.20	3.39	4.23	92.0
9	35	13C4-PFHpA	367.2 > 321.8	6.42e3	1.31e4	1.0871	0.564	4.03	3.83	6.13	10.0	87.0
10	36	18O2-PFHxS	403.0 > 102.6	1.02e3	2.88e3	1.0871	0.407	4.17	3.98	4.45	10.1	87.4
11	37	13C2-6:2 FTS	429.1 > 408.9	2.28e3	8.97e3	1.0871	0.265	4.49	4.29	3.18	11.1	96.1
12	38	13C2-PFOA	414.9 > 369.7	6.84e3	8.97e3	1.0871	1.026	4.54	4.35	9.53	8.54	74.3
13	39	13C5-PFNA	468.2 > 422.9	7.96e3	1.15e4	1.0871	0.942	4.97	4.78	8.64	8.44	73.4
14	40	13C8-PFOSA	506.1 > 77.7	6.51e2	5.19e3	1.0871	0.360	5.02	4.84	1.57	4.01	34.9
15	41	13C8-PFOS	507.0 > 79.9	2.31e3	3.42e3	1.0871	1.023	5.05	4.86	8.43	7.57	65.9
16	55	13C5-PFHxA	318 > 272.9	1.31e4	1.31e4	1.0871	1.000	3.40	3.21	12.5	11.5	100.0
17	56	13C3-PFHxS	401.9 > 79.9	2.88e3	2.88e3	1.0871	1.000	4.17	3.98	12.5	11.5	100.0
18	57	13C8-PFOA	421.3 > 376	8.97e3	8.97e3	1.0871	1.000	4.54	4.34	12.5	11.5	100.0
19	58	13C9-PFNA	472.2 > 426.9	1.15e4	1.15e4	1.0871	1.000	4.97	4.78	12.5	11.5	100.0
20	59	13C4-PFOS	503 > 79.9	3.42e3	3.42e3	1.0871	1.000	5.05	4.87	12.5	11.5	100.0
21	60	13C6-PFDA	519.1 > 473.7	4.36e3	4.36e3	1.0871	1.000	5.34	5.16	12.5	11.5	100.0
22	61	13C7-PFUdA	570.1 > 524.8	5.19e3	5.19e3	1.0871	1.000	5.66	5.47	12.5	11.5	100.0
23	62	Total PFHxS	398.9 > 79.6	6.52e2	1.02e3	1.0871		4.17		7.96	3.36	
24	63	Total PFOA	413 > 368.7	3.52e2	6.84e3	1.0871		4.26		0.643	0.390	
25	64	Total PFOS	499 > 79.9	3.54e3	2.31e3	1.0871		4.77		19.2	17.5	

AC 12/1/17

Quantify Sample Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Rev'd: MM 12/1/17

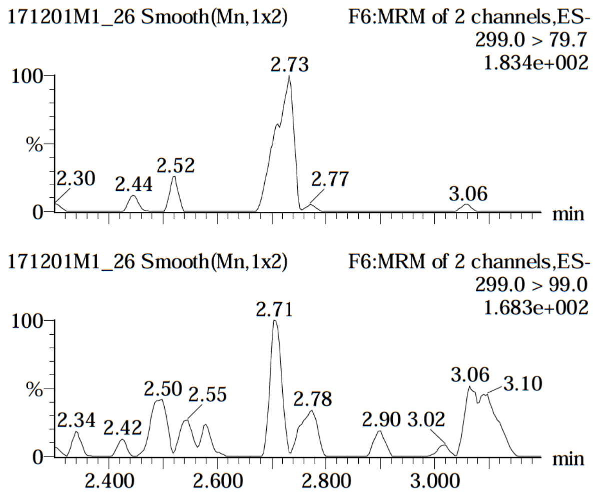
Dataset: U:\Q4.PRO\results\171201M1\171201M1-26.qld

Last Altered: Friday, December 01, 2017 20:52:08 Pacific Standard Time
Printed: Friday, December 01, 2017 20:52:32 Pacific Standard Time

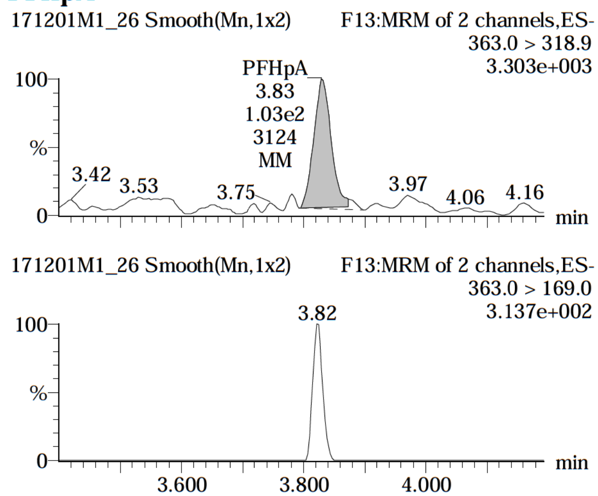
Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_113017.mdb 01 Dec 2017 12:18:40
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-30-17_FULL.cdb 01 Dec 2017 12:17:32

Name: 171201M1_26, Date: 01-Dec-2017, Time: 19:39:31, ID: 1701663-20 TRUAX-07-SB02-110717-4.5-5.0 1.33, Description: TRUAX-07-SB02-110717-4.5-5.0

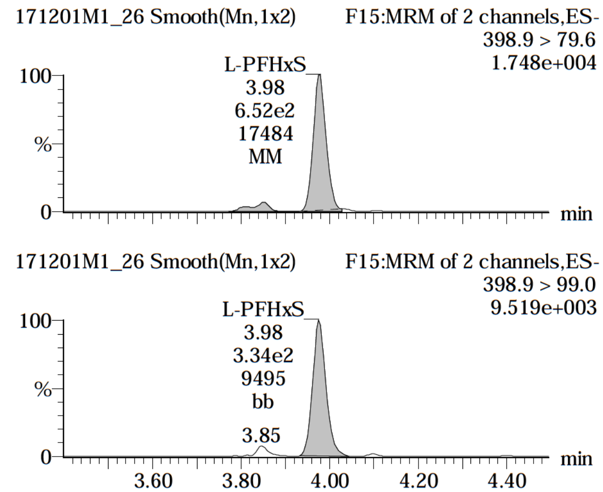
PFBS



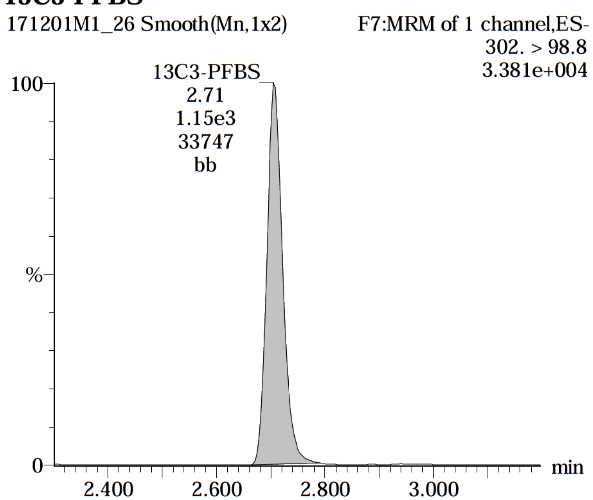
PFHpA



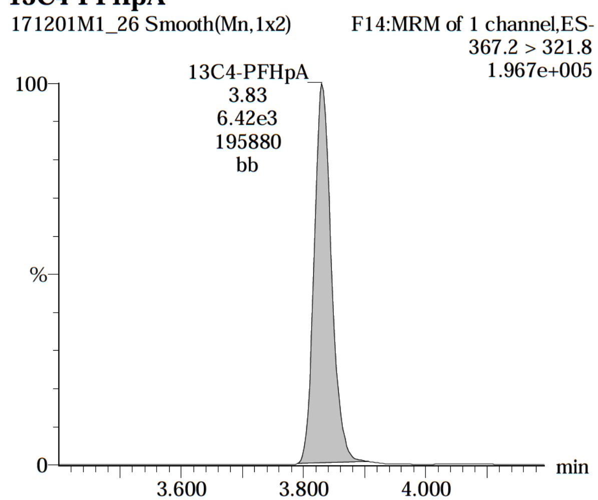
Total PFHxS



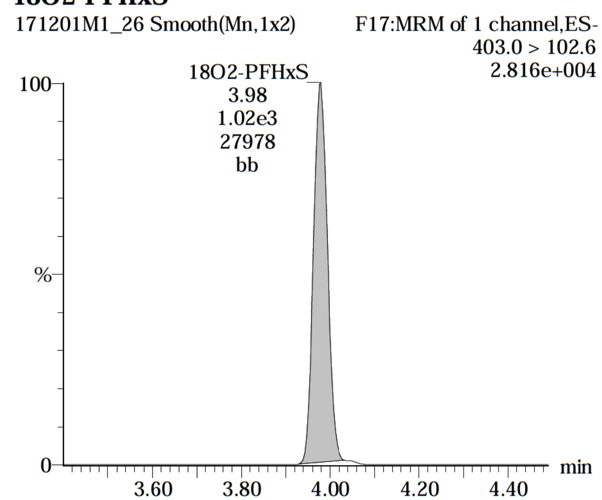
13C3-PFBS



13C4-PFHpA



18O2-PFHxS



AC 12/1/17

Vista Analytical Laboratory

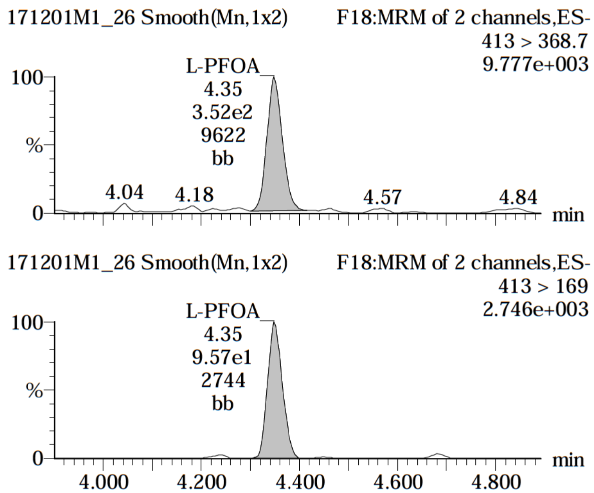
Rev'd: MM 12/1/17

Dataset: U:\Q4.PRO\results\171201M1\171201M1-26.qld

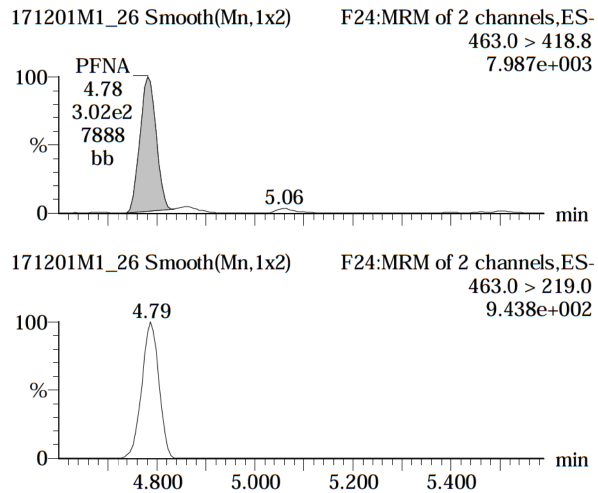
Last Altered: Friday, December 01, 2017 20:52:08 Pacific Standard Time
Printed: Friday, December 01, 2017 20:52:32 Pacific Standard Time

Name: 171201M1_26, Date: 01-Dec-2017, Time: 19:39:31, ID: 1701663-20 TRUAX-07-SB02-110717-4.5-5.0 1.33, Description: TRUAX-07-SB02-110717-4.5-5.0

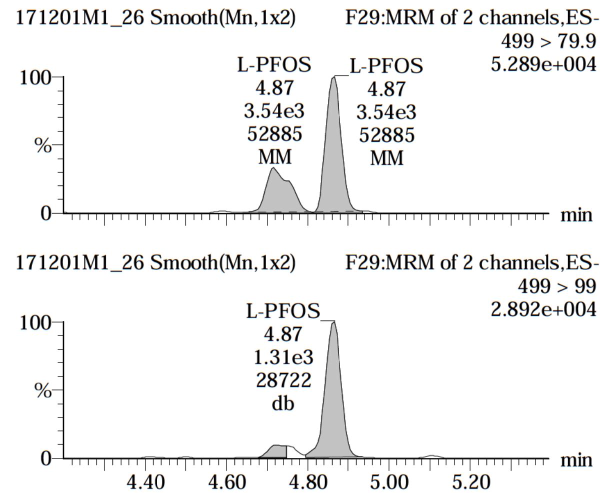
Total PFOA



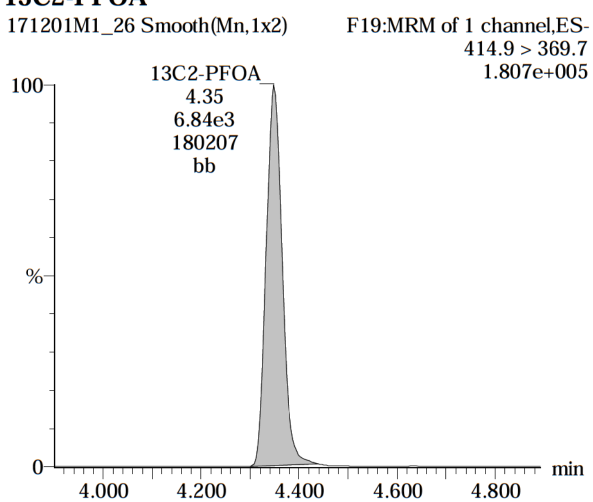
PFNA



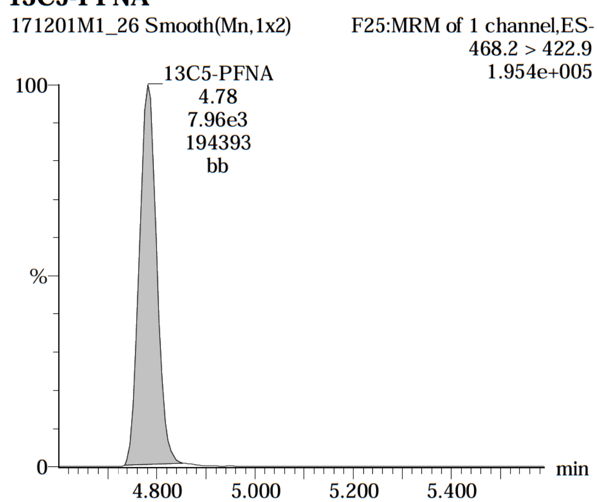
Total PFOS



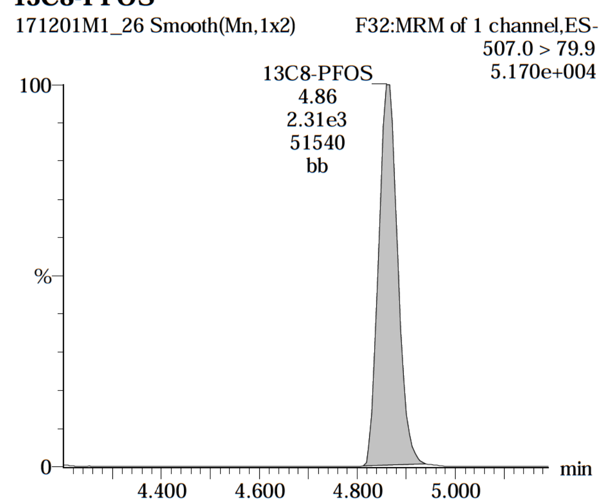
13C2-PFOA



13C5-PFNA



13C8-PFOS



AC 12/1/17

Vista Analytical Laboratory

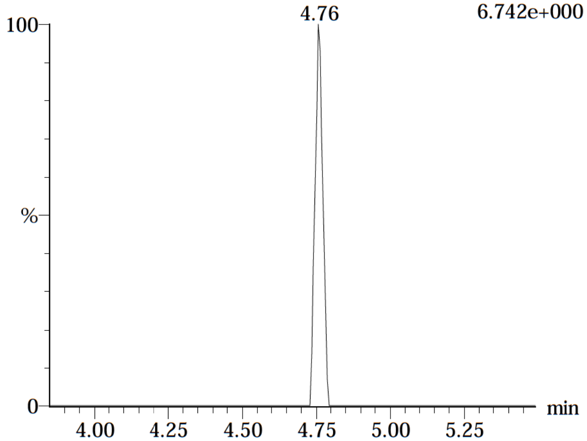
Rev'd: MM 12/1/17

Dataset: U:\Q4.PRO\results\171201M1\171201M1-26.qld

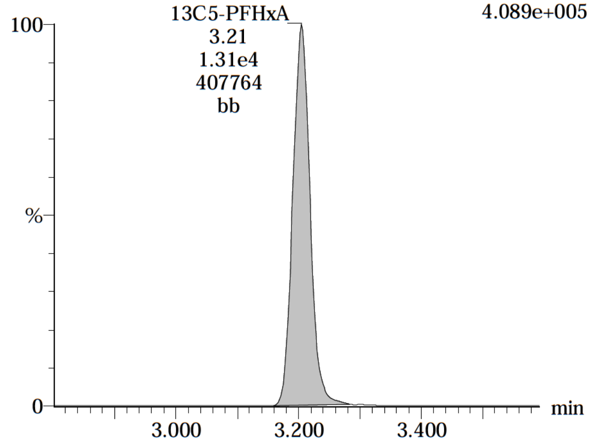
Last Altered: Friday, December 01, 2017 20:52:08 Pacific Standard Time
Printed: Friday, December 01, 2017 20:52:32 Pacific Standard Time

Name: 171201M1_26, Date: 01-Dec-2017, Time: 19:39:31, ID: 1701663-20 TRUAX-07-SB02-110717-4.5-5.0 1.33, Description: TRUAX-07-SB02-110717-4.5-5.0

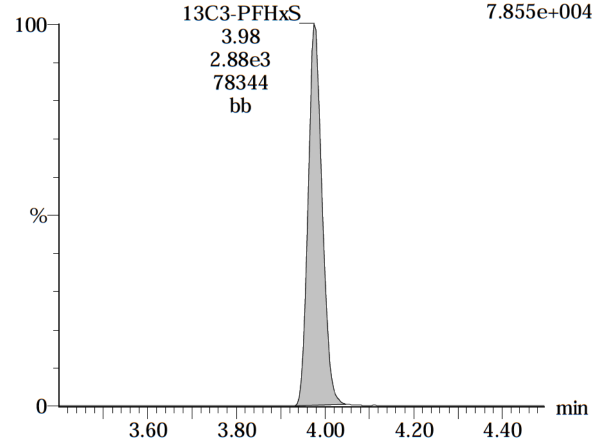
TCDA
171201M1_26 Smooth(Mn,1x2) F28:MRM of 3 channels,ES-
498.3 > 106.9
6.742e+000



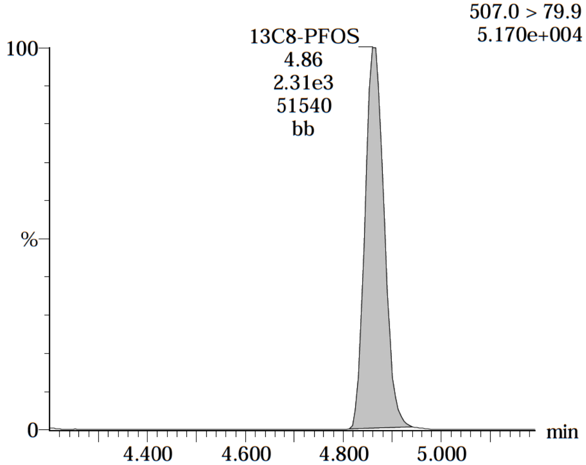
13C5-PFHxA
171201M1_26 Smooth(Mn,1x2) F10:MRM of 1 channel,ES-
318 > 272.9
4.089e+005



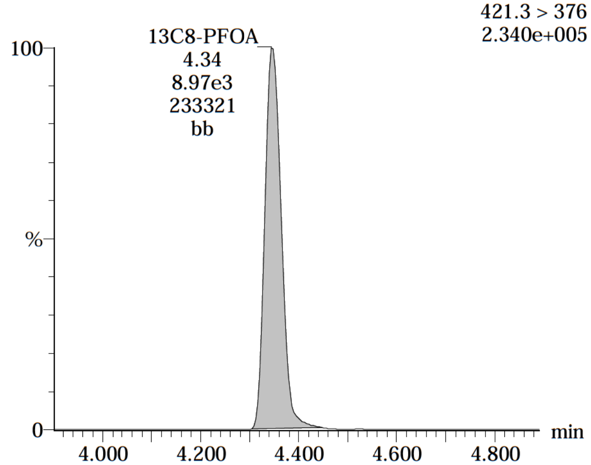
13C3-PFHxS
171201M1_26 Smooth(Mn,1x2) F16:MRM of 1 channel,ES-
401.9 > 79.9
7.855e+004



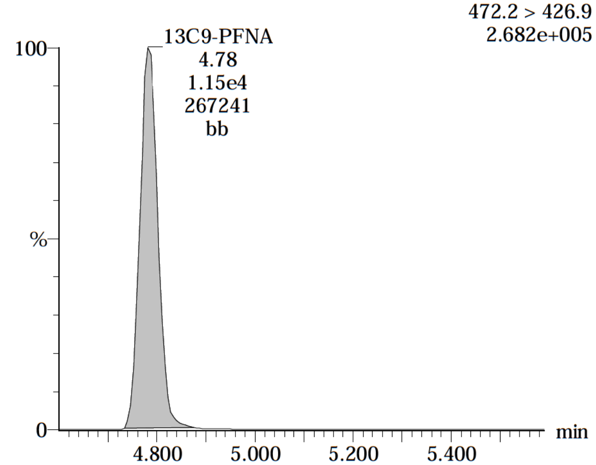
13C8-PFOS
171201M1_26 Smooth(Mn,1x2) F32:MRM of 1 channel,ES-
507.0 > 79.9
5.170e+004



13C8-PFOA
171201M1_26 Smooth(Mn,1x2) F20:MRM of 1 channel,ES-
421.3 > 376
2.340e+005



13C9-PFNA
171201M1_26 Smooth(Mn,1x2) F26:MRM of 1 channel,ES-
472.2 > 426.9
2.682e+005



AC 12/1/17

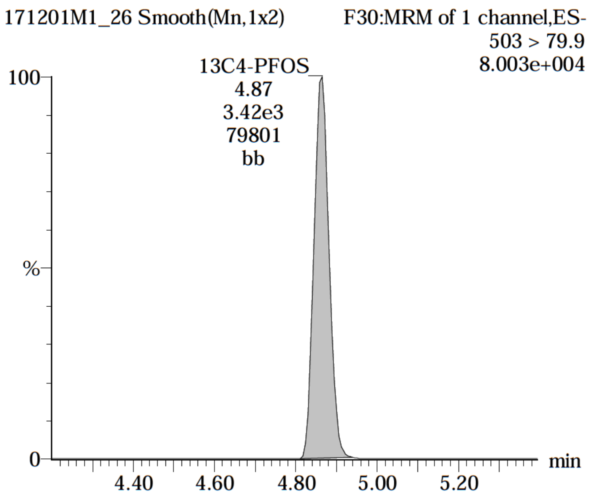
Rev'd: MM 12/1/17

Dataset: U:\Q4.PRO\results\171201M1\171201M1-26.qld

Last Altered: Friday, December 01, 2017 20:52:08 Pacific Standard Time
Printed: Friday, December 01, 2017 20:52:32 Pacific Standard Time

Name: 171201M1_26, Date: 01-Dec-2017, Time: 19:39:31, ID: 1701663-20 TRUAX-07-SB02-110717-4.5-5.0 1.33, Description: TRUAX-07-SB02-110717-4.5-5.0

13C4-PFOS



AC 12/1/17

INJECTION INTERNAL STANDARD (IIS) AREAS,

INSTRUMENT BLANKS (IB)

AND

CONTINUTING CALIBRATION VERIFICATIONS CCV)

Dataset: U:\Q4.PRO\results\171130M1\171130M1-IIS AREAS.qld

Last Altered: Friday, December 01, 2017 08:58:07 Pacific Standard Time
Printed: Friday, December 01, 2017 09:03:19 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_RS-11-18-17.mdb 19 Nov 2017 11:17:03
Calibration: 01 Dec 2017 08:58:07

Name: 171130M1_2, Date: 30-Nov-2017, Time: 09:19:04, ID: ST171130M1-1 PFC CS0 17K2808, Description: PFC CS0 17K2808

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST171130M1-1 PFC CS0 17K2808	1.53e4	100.0	NO
2	2	13C5-PFHxA	ST171130M1-1 PFC CS0 17K2808	2.14e4	100.0	NO
3	3	13C3-PFHxS	ST171130M1-1 PFC CS0 17K2808	4.01e3	100.0	NO
4	4	13C8-PFOA	ST171130M1-1 PFC CS0 17K2808	1.67e4	100.0	NO
5	5	13C9-PFNA	ST171130M1-1 PFC CS0 17K2808	1.94e4	100.0	NO
6	6	13C4-PFOS	ST171130M1-1 PFC CS0 17K2808	4.85e3	100.0	NO
7	7	13C6-PFDA	ST171130M1-1 PFC CS0 17K2808	1.02e4	100.0	NO
8	8	13C7-PFUdA	ST171130M1-1 PFC CS0 17K2808	1.65e4	100.0	NO

Name: 171130M1_3, Date: 30-Nov-2017, Time: 09:30:16, 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: 171130M1_4, Date: 30-Nov-2017, Time: 09:41:26, ID: B7K0110-BS1 OPR 0.125, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7K0110-BS1 OPR 0.125	1.02e4	67.0	NO
2	2	13C5-PFHxA	B7K0110-BS1 OPR 0.125	1.53e4	71.3	NO
3	3	13C3-PFHxS	B7K0110-BS1 OPR 0.125	2.32e3	57.9	NO
4	4	13C8-PFOA	B7K0110-BS1 OPR 0.125	9.73e3	58.2	NO
5	5	13C9-PFNA	B7K0110-BS1 OPR 0.125	5.18e3	26.7	YES
6	6	13C4-PFOS	B7K0110-BS1 OPR 0.125	3.42e2	7.0	YES
7	7	13C6-PFDA	B7K0110-BS1 OPR 0.125	4.84e2	4.8	YES
8	8	13C7-PFUdA	B7K0110-BS1 OPR 0.125	1.04e2	0.6	YES

Name: 171130M1_5, Date: 30-Nov-2017, Time: 09:54:08, ID: B7K0110-BSD1 LCS Dup 0.125, Description: LCS Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7K0110-BSD1 LCS Dup 0.125	1.01e4	66.0	NO
2	2	13C5-PFHxA	B7K0110-BSD1 LCS Dup 0.125	1.47e4	68.7	NO
3	3	13C3-PFHxS	B7K0110-BSD1 LCS Dup 0.125	2.42e3	60.2	NO
4	4	13C8-PFOA	B7K0110-BSD1 LCS Dup 0.125	9.84e3	58.8	NO
5	5	13C9-PFNA	B7K0110-BSD1 LCS Dup 0.125	5.17e3	26.7	YES
6	6	13C4-PFOS	B7K0110-BSD1 LCS Dup 0.125	4.54e2	9.4	YES
7	7	13C6-PFDA	B7K0110-BSD1 LCS Dup 0.125	4.49e2	4.4	YES
8	8	13C7-PFUdA	B7K0110-BSD1 LCS Dup 0.125	1.02e2	0.6	YES

AC 12/1/17

Dataset: U:\Q4.PRO\results\171130M1\171130M1-IIS AREAS.qld

Last Altered: Friday, December 01, 2017 08:58:07 Pacific Standard Time
Printed: Friday, December 01, 2017 09:03:19 Pacific Standard Time

Name: 171130M1_6, Date: 30-Nov-2017, Time: 10:05:16, ID: B7K0137-BS1 OPR 0.125, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7K0137-BS1 OPR 0.125	8.62e3	56.4	NO
2	2	13C5-PFHxA	B7K0137-BS1 OPR 0.125	1.24e4	57.6	NO
3	3	13C3-PFHxS	B7K0137-BS1 OPR 0.125	2.51e3	62.6	NO
4	4	13C8-PFOA	B7K0137-BS1 OPR 0.125	7.82e3	46.8	YES
5	5	13C9-PFNA	B7K0137-BS1 OPR 0.125	1.11e4	57.4	NO
6	6	13C4-PFOS	B7K0137-BS1 OPR 0.125	2.29e3	47.3	YES
7	7	13C6-PFDA	B7K0137-BS1 OPR 0.125	3.65e3	35.9	YES
8	8	13C7-PFUdA	B7K0137-BS1 OPR 0.125	3.58e3	21.6	YES

Name: 171130M1_7, Date: 30-Nov-2017, Time: 10:16:28, ID: B7K0137-BSD1 LCS Dup 0.125, Description: LCS Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7K0137-BSD1 LCS Dup 0.125	9.21e3	60.3	NO
2	2	13C5-PFHxA	B7K0137-BSD1 LCS Dup 0.125	1.38e4	64.3	NO
3	3	13C3-PFHxS	B7K0137-BSD1 LCS Dup 0.125	2.55e3	63.6	NO
4	4	13C8-PFOA	B7K0137-BSD1 LCS Dup 0.125	9.33e3	55.8	NO
5	5	13C9-PFNA	B7K0137-BSD1 LCS Dup 0.125	8.84e3	45.6	YES
6	6	13C4-PFOS	B7K0137-BSD1 LCS Dup 0.125	1.87e3	38.5	YES
7	7	13C6-PFDA	B7K0137-BSD1 LCS Dup 0.125	4.03e3	39.6	YES
8	8	13C7-PFUdA	B7K0137-BSD1 LCS Dup 0.125	2.75e3	16.6	YES

Name: 171130M1_8, Date: 30-Nov-2017, Time: 10:27:38, ID: IPA, Description: IPA

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

Name: 171130M1_9, Date: 30-Nov-2017, Time: 10:38:49, ID: B7K0110-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7K0110-BLK1 Method Blank 0.125	9.16e3	60.0	NO
2	2	13C5-PFHxA	B7K0110-BLK1 Method Blank 0.125	1.32e4	61.4	NO
3	3	13C3-PFHxS	B7K0110-BLK1 Method Blank 0.125	1.96e3	48.7	YES
4	4	13C8-PFOA	B7K0110-BLK1 Method Blank 0.125	7.83e3	46.8	YES
5	5	13C9-PFNA	B7K0110-BLK1 Method Blank 0.125	4.28e3	22.1	YES
6	6	13C4-PFOS	B7K0110-BLK1 Method Blank 0.125	1.89e2	3.9	YES
7	7	13C6-PFDA	B7K0110-BLK1 Method Blank 0.125	4.66e2	4.6	YES
8	8	13C7-PFUdA	B7K0110-BLK1 Method Blank 0.125	9.48e1	0.6	YES

AC 12/1/17

Dataset: U:\Q4.PRO\results\171130M1\171130M1-IIS AREAS.qld

Last Altered: Friday, December 01, 2017 08:58:07 Pacific Standard Time
Printed: Friday, December 01, 2017 09:03:19 Pacific Standard Time

Name: 171130M1_10, Date: 30-Nov-2017, Time: 10:49:59, ID: B7K0137-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7K0137-BLK1 Method Blank 0.125	9.21e3	60.2	NO
2	2	13C5-PFHxA	B7K0137-BLK1 Method Blank 0.125	1.24e4	57.8	NO
3	3	13C3-PFHxS	B7K0137-BLK1 Method Blank 0.125	2.58e3	64.2	NO
4	4	13C8-PFOA	B7K0137-BLK1 Method Blank 0.125	9.34e3	55.8	NO
5	5	13C9-PFNA	B7K0137-BLK1 Method Blank 0.125	8.10e3	41.8	YES
6	6	13C4-PFOS	B7K0137-BLK1 Method Blank 0.125	2.14e3	44.1	YES
7	7	13C6-PFDA	B7K0137-BLK1 Method Blank 0.125	6.76e3	66.5	NO
8	8	13C7-PFUdA	B7K0137-BLK1 Method Blank 0.125	3.07e3	18.6	YES

Name: 171130M1_11, Date: 30-Nov-2017, Time: 11:01:10, ID: 1701619-02 STWRT-06SB03-0.2-0.7 1.45, Description: STWRT-06SB03-0.2-0.7

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701619-02 STWRT-06SB03-0.2-0.7 1....	8.97e3	58.7	NO
2	2	13C5-PFHxA	1701619-02 STWRT-06SB03-0.2-0.7 1....	1.31e4	61.2	NO
3	3	13C3-PFHxS	1701619-02 STWRT-06SB03-0.2-0.7 1....	2.39e3	59.6	NO
4	4	13C8-PFOA	1701619-02 STWRT-06SB03-0.2-0.7 1....	7.99e3	47.7	YES
5	5	13C9-PFNA	1701619-02 STWRT-06SB03-0.2-0.7 1....	6.71e3	34.6	YES
6	6	13C4-PFOS	1701619-02 STWRT-06SB03-0.2-0.7 1....	1.51e3	31.1	YES
7	7	13C6-PFDA	1701619-02 STWRT-06SB03-0.2-0.7 1....	3.36e3	33.1	YES
8	8	13C7-PFUdA	1701619-02 STWRT-06SB03-0.2-0.7 1....	1.31e3	7.9	YES

Name: 171130M1_12, Date: 30-Nov-2017, Time: 11:12:21, ID: 1701566-19RE1 AFFF-FFTA-SED-SW/SED5-102617 2.4, Description: AFFF-FFTA-SED-SW/SED5-102617

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701566-19RE1 AFFF-FFTA-SED-SW/...	8.52e3	55.8	NO
2	2	13C5-PFHxA	1701566-19RE1 AFFF-FFTA-SED-SW/...	1.33e4	62.0	NO
3	3	13C3-PFHxS	1701566-19RE1 AFFF-FFTA-SED-SW/...	2.42e3	60.2	NO
4	4	13C8-PFOA	1701566-19RE1 AFFF-FFTA-SED-SW/...	8.17e3	48.8	YES
5	5	13C9-PFNA	1701566-19RE1 AFFF-FFTA-SED-SW/...	8.65e3	44.6	YES
6	6	13C4-PFOS	1701566-19RE1 AFFF-FFTA-SED-SW/...	1.08e3	22.2	YES
7	7	13C6-PFDA	1701566-19RE1 AFFF-FFTA-SED-SW/...	2.82e3	27.7	YES
8	8	13C7-PFUdA	1701566-19RE1 AFFF-FFTA-SED-SW/...	1.97e3	11.9	YES

Name: 171130M1_13, Date: 30-Nov-2017, Time: 11:23:31, ID: 1701735-01 MSP-BW-111617 0.1184, Description: MSP-BW-111617

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701735-01 MSP-BW-111617 0.1184	8.37e3	54.8	NO
2	2	13C5-PFHxA	1701735-01 MSP-BW-111617 0.1184	1.26e4	58.8	NO
3	3	13C3-PFHxS	1701735-01 MSP-BW-111617 0.1184	2.43e3	60.5	NO
4	4	13C8-PFOA	1701735-01 MSP-BW-111617 0.1184	7.83e3	46.8	YES
5	5	13C9-PFNA	1701735-01 MSP-BW-111617 0.1184	8.47e3	43.7	YES
6	6	13C4-PFOS	1701735-01 MSP-BW-111617 0.1184	1.97e3	40.6	YES
7	7	13C6-PFDA	1701735-01 MSP-BW-111617 0.1184	3.94e3	38.7	YES
8	8	13C7-PFUdA	1701735-01 MSP-BW-111617 0.1184	2.46e3	14.9	YES

AC 12/1/17

Dataset: U:\Q4.PRO\results\171130M1\171130M1-IIS AREAS.qld

Last Altered: Friday, December 01, 2017 08:58:07 Pacific Standard Time
Printed: Friday, December 01, 2017 09:03:19 Pacific Standard Time

Name: 171130M1_14, Date: 30-Nov-2017, Time: 11:34:42, ID: 1701634-13@5X ESHEP-SW-DUP01-110617 0.11294, Description: ESHEP-SW-DUP01-110617

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701634-13@5X ESHEP-SW-DUP01-1...	1.32e3	8.6	YES
2	2	13C5-PFHxA	1701634-13@5X ESHEP-SW-DUP01-1...	1.89e3	8.8	YES
3	3	13C3-PFHxS	1701634-13@5X ESHEP-SW-DUP01-1...	3.19e2	7.9	YES
4	4	13C8-PFOA	1701634-13@5X ESHEP-SW-DUP01-1...	1.38e3	8.3	YES
5	5	13C9-PFNA	1701634-13@5X ESHEP-SW-DUP01-1...	8.51e2	4.4	YES
6	6	13C4-PFOS	1701634-13@5X ESHEP-SW-DUP01-1...	2.27e2	4.7	YES
7	7	13C6-PFDA	1701634-13@5X ESHEP-SW-DUP01-1...	4.33e2	4.3	YES
8	8	13C7-PFUdA	1701634-13@5X ESHEP-SW-DUP01-1...	3.25e2	2.0	YES

Name: 171130M1_15, Date: 30-Nov-2017, Time: 11:45:52, ID: 1701633-03 ESHEP-04-SB01-0-2 1.23, Description: ESHEP-04-SB01-0-2

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701633-03 ESHEP-04-SB01-0-2 1.23	4.64e3	30.4	YES
2	2	13C5-PFHxA	1701633-03 ESHEP-04-SB01-0-2 1.23	6.84e3	31.9	YES
3	3	13C3-PFHxS	1701633-03 ESHEP-04-SB01-0-2 1.23	1.27e3	31.7	YES
4	4	13C8-PFOA	1701633-03 ESHEP-04-SB01-0-2 1.23	5.07e3	30.3	YES
5	5	13C9-PFNA	1701633-03 ESHEP-04-SB01-0-2 1.23	5.17e3	26.7	YES
6	6	13C4-PFOS	1701633-03 ESHEP-04-SB01-0-2 1.23	1.39e3	28.7	YES
7	7	13C6-PFDA	1701633-03 ESHEP-04-SB01-0-2 1.23	2.71e3	26.6	YES
8	8	13C7-PFUdA	1701633-03 ESHEP-04-SB01-0-2 1.23	2.61e3	15.8	YES

Name: 171130M1_16, Date: 30-Nov-2017, Time: 11:57:04, ID: 1701633-05 ESHEP-04-SB02-0-2 1.2, Description: ESHEP-04-SB02-0-2

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701633-05 ESHEP-04-SB02-0-2 1.2	4.27e3	27.9	YES
2	2	13C5-PFHxA	1701633-05 ESHEP-04-SB02-0-2 1.2	6.21e3	29.0	YES
3	3	13C3-PFHxS	1701633-05 ESHEP-04-SB02-0-2 1.2	1.28e3	32.0	YES
4	4	13C8-PFOA	1701633-05 ESHEP-04-SB02-0-2 1.2	4.53e3	27.1	YES
5	5	13C9-PFNA	1701633-05 ESHEP-04-SB02-0-2 1.2	4.74e3	24.4	YES
6	6	13C4-PFOS	1701633-05 ESHEP-04-SB02-0-2 1.2	1.28e3	26.3	YES
7	7	13C6-PFDA	1701633-05 ESHEP-04-SB02-0-2 1.2	2.65e3	26.0	YES
8	8	13C7-PFUdA	1701633-05 ESHEP-04-SB02-0-2 1.2	1.52e3	9.2	YES

Name: 171130M1_17, Date: 30-Nov-2017, Time: 12:08:14, ID: 1701633-08 ESHEP-04-SB03-13-15 1.35, Description: ESHEP-04-SB03-13-15

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701633-08 ESHEP-04-SB03-13-15 1.35	4.14e3	27.1	YES
2	2	13C5-PFHxA	1701633-08 ESHEP-04-SB03-13-15 1.35	6.43e3	30.0	YES
3	3	13C3-PFHxS	1701633-08 ESHEP-04-SB03-13-15 1.35	1.50e3	37.4	YES
4	4	13C8-PFOA	1701633-08 ESHEP-04-SB03-13-15 1.35	4.29e3	25.6	YES
5	5	13C9-PFNA	1701633-08 ESHEP-04-SB03-13-15 1.35	5.25e3	27.1	YES
6	6	13C4-PFOS	1701633-08 ESHEP-04-SB03-13-15 1.35	1.51e3	31.1	YES
7	7	13C6-PFDA	1701633-08 ESHEP-04-SB03-13-15 1.35	3.28e3	32.2	YES
8	8	13C7-PFUdA	1701633-08 ESHEP-04-SB03-13-15 1.35	4.83e3	29.2	YES

AC 12/1/17

Dataset: U:\Q4.PRO\results\171130M1\171130M1-IIS AREAS.qld

Last Altered: Friday, December 01, 2017 08:58:07 Pacific Standard Time
Printed: Friday, December 01, 2017 09:03:19 Pacific Standard Time

Name: 171130M1_18, Date: 30-Nov-2017, Time: 12:19:25, ID: IPA, Description: IPA

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

Name: 171130M1_19, Date: 30-Nov-2017, Time: 12:30:36, ID: B7K0085-MS1 Matrix Spike 0.12635, Description: Matrix Spike

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7K0085-MS1 Matrix Spike 0.12635	7.41e3	48.5	YES
2	2	13C5-PFHxA	B7K0085-MS1 Matrix Spike 0.12635	1.10e4	51.5	NO
3	3	13C3-PFHxS	B7K0085-MS1 Matrix Spike 0.12635	2.12e3	52.9	NO
4	4	13C8-PFOA	B7K0085-MS1 Matrix Spike 0.12635	8.42e3	50.3	NO
5	5	13C9-PFNA	B7K0085-MS1 Matrix Spike 0.12635	1.15e4	59.6	NO
6	6	13C4-PFOS	B7K0085-MS1 Matrix Spike 0.12635	2.20e3	45.3	YES
7	7	13C6-PFDA	B7K0085-MS1 Matrix Spike 0.12635	5.95e3	58.5	NO
8	8	13C7-PFUdA	B7K0085-MS1 Matrix Spike 0.12635	3.98e3	24.0	YES

Name: 171130M1_20, Date: 30-Nov-2017, Time: 12:41:47, ID: B7K0085-MSD1 Matrix Spike Dup 0.12326, Description: Matrix Spike Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7K0085-MSD1 Matrix Spike Dup 0.123...	8.44e3	55.2	NO
2	2	13C5-PFHxA	B7K0085-MSD1 Matrix Spike Dup 0.123...	1.22e4	57.1	NO
3	3	13C3-PFHxS	B7K0085-MSD1 Matrix Spike Dup 0.123...	2.38e3	59.4	NO
4	4	13C8-PFOA	B7K0085-MSD1 Matrix Spike Dup 0.123...	9.24e3	55.2	NO
5	5	13C9-PFNA	B7K0085-MSD1 Matrix Spike Dup 0.123...	9.08e3	46.8	YES
6	6	13C4-PFOS	B7K0085-MSD1 Matrix Spike Dup 0.123...	2.29e3	47.3	YES
7	7	13C6-PFDA	B7K0085-MSD1 Matrix Spike Dup 0.123...	5.61e3	55.2	NO
8	8	13C7-PFUdA	B7K0085-MSD1 Matrix Spike Dup 0.123...	3.20e3	19.4	YES

Name: 171130M1_21, Date: 30-Nov-2017, Time: 12:52:57, ID: IPA, Description: IPA

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

AC 12/1/17

Dataset: U:\Q4.PRO\results\171130M1\171130M1-IIS AREAS.qld

Last Altered: Friday, December 01, 2017 08:58:07 Pacific Standard Time
Printed: Friday, December 01, 2017 09:03:19 Pacific Standard Time

Name: 171130M1_22, Date: 30-Nov-2017, Time: 13:04:08, ID: 1701662-01 TRUAX-BB-TWBB01-110817 0.11628, Description: TRUAX-BB-TWBB01-110817

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701662-01 TRUAX-BB-TWBB01-1108...	8.40e3	55.0	NO
2	2	13C5-PFHxA	1701662-01 TRUAX-BB-TWBB01-1108...	1.18e4	55.0	NO
3	3	13C3-PFHxS	1701662-01 TRUAX-BB-TWBB01-1108...	2.40e3	59.7	NO
4	4	13C8-PFOA	1701662-01 TRUAX-BB-TWBB01-1108...	8.16e3	48.8	YES
5	5	13C9-PFNA	1701662-01 TRUAX-BB-TWBB01-1108...	1.05e4	54.3	NO
6	6	13C4-PFOS	1701662-01 TRUAX-BB-TWBB01-1108...	2.33e3	48.1	YES
7	7	13C6-PFDA	1701662-01 TRUAX-BB-TWBB01-1108...	5.50e3	54.1	NO
8	8	13C7-PFUdA	1701662-01 TRUAX-BB-TWBB01-1108...	3.62e3	21.9	YES

Name: 171130M1_23, Date: 30-Nov-2017, Time: 13:15:18, ID: 1701662-02 TRUAX-BB-GW-DUP0101-110817 0.12025, Description: TRUAX-BB-GW-DUP0101-110817

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701662-02 TRUAX-BB-GW-DUP0101-...	7.30e3	47.8	YES
2	2	13C5-PFHxA	1701662-02 TRUAX-BB-GW-DUP0101-...	1.13e4	52.8	NO
3	3	13C3-PFHxS	1701662-02 TRUAX-BB-GW-DUP0101-...	2.17e3	54.0	NO
4	4	13C8-PFOA	1701662-02 TRUAX-BB-GW-DUP0101-...	7.64e3	45.6	YES
5	5	13C9-PFNA	1701662-02 TRUAX-BB-GW-DUP0101-...	9.21e3	47.5	YES
6	6	13C4-PFOS	1701662-02 TRUAX-BB-GW-DUP0101-...	2.40e3	49.6	YES
7	7	13C6-PFDA	1701662-02 TRUAX-BB-GW-DUP0101-...	4.49e3	44.1	YES
8	8	13C7-PFUdA	1701662-02 TRUAX-BB-GW-DUP0101-...	4.59e3	27.8	YES

Name: 171130M1_24, Date: 30-Nov-2017, Time: 13:26:29, ID: 1701662-03 TRUAX-06-TW06-110617 0.11787, Description: TRUAX-06-TW06-110617

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701662-03 TRUAX-06-TW06-110617 ...	7.36e3	48.1	YES
2	2	13C5-PFHxA	1701662-03 TRUAX-06-TW06-110617 ...	1.07e4	49.8	YES
3	3	13C3-PFHxS	1701662-03 TRUAX-06-TW06-110617 ...	1.95e3	48.7	YES
4	4	13C8-PFOA	1701662-03 TRUAX-06-TW06-110617 ...	8.13e3	48.6	YES
5	5	13C9-PFNA	1701662-03 TRUAX-06-TW06-110617 ...	8.09e3	41.7	YES
6	6	13C4-PFOS	1701662-03 TRUAX-06-TW06-110617 ...	1.91e3	39.4	YES
7	7	13C6-PFDA	1701662-03 TRUAX-06-TW06-110617 ...	3.98e3	39.2	YES
8	8	13C7-PFUdA	1701662-03 TRUAX-06-TW06-110617 ...	3.46e3	20.9	YES

Name: 171130M1_25, Date: 30-Nov-2017, Time: 13:37:39, ID: IPA, Description: IPA

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

AC 12/1/17

Dataset: U:\Q4.PRO\results\171130M1\171130M1-IIS AREAS.qld

Last Altered: Friday, December 01, 2017 08:58:07 Pacific Standard Time
Printed: Friday, December 01, 2017 09:03:19 Pacific Standard Time

Name: 171130M1_26, Date: 30-Nov-2017, Time: 13:48:50, ID: ST171130M1-2 PFC CS3 17K2810, Description: PFC CS3 17K2810

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST171130M1-2 PFC CS3 17K2810	1.46e4	95.2	NO
2	2 13C5-PFHxA	ST171130M1-2 PFC CS3 17K2810	2.01e4	93.6	NO
3	3 13C3-PFHxS	ST171130M1-2 PFC CS3 17K2810	4.06e3	101.2	NO
4	4 13C8-PFOA	ST171130M1-2 PFC CS3 17K2810	1.50e4	89.8	NO
5	5 13C9-PFNA	ST171130M1-2 PFC CS3 17K2810	1.83e4	94.5	NO
6	6 13C4-PFOS	ST171130M1-2 PFC CS3 17K2810	4.66e3	96.1	NO
7	7 13C6-PFDA	ST171130M1-2 PFC CS3 17K2810	8.25e3	81.1	NO
8	8 13C7-PFUdA	ST171130M1-2 PFC CS3 17K2810	1.24e4	75.3	NO

Name: 171130M1_27, Date: 30-Nov-2017, Time: 14:00:01, 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: 171130M1_28, Date: 30-Nov-2017, Time: 14:11:12, ID: 1701662-04 TRUAX-01-TW01-110817 0.12211, Description: TRUAX-01-TW01-110817

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701662-04 TRUAX-01-TW01-110817 ...	8.16e3	53.4	NO
2	2 13C5-PFHxA	1701662-04 TRUAX-01-TW01-110817 ...	1.13e4	52.9	NO
3	3 13C3-PFHxS	1701662-04 TRUAX-01-TW01-110817 ...	1.97e3	49.1	YES
4	4 13C8-PFOA	1701662-04 TRUAX-01-TW01-110817 ...	8.06e3	48.2	YES
5	5 13C9-PFNA	1701662-04 TRUAX-01-TW01-110817 ...	1.08e4	55.7	NO
6	6 13C4-PFOS	1701662-04 TRUAX-01-TW01-110817 ...	1.45e3	30.0	YES
7	7 13C6-PFDA	1701662-04 TRUAX-01-TW01-110817 ...	5.84e3	57.4	NO
8	8 13C7-PFUdA	1701662-04 TRUAX-01-TW01-110817 ...	4.79e3	29.0	YES

Name: 171130M1_29, Date: 30-Nov-2017, Time: 14:22:23, ID: 1701662-05 TRUAX-03-TW03-110817 0.12109, Description: TRUAX-03-TW03-110817

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701662-05 TRUAX-03-TW03-110817 ...	8.63e3	56.5	NO
2	2 13C5-PFHxA	1701662-05 TRUAX-03-TW03-110817 ...	1.20e4	56.1	NO
3	3 13C3-PFHxS	1701662-05 TRUAX-03-TW03-110817 ...	1.83e3	45.6	YES
4	4 13C8-PFOA	1701662-05 TRUAX-03-TW03-110817 ...	9.73e3	58.2	NO
5	5 13C9-PFNA	1701662-05 TRUAX-03-TW03-110817 ...	1.26e4	64.9	NO
6	6 13C4-PFOS	1701662-05 TRUAX-03-TW03-110817 ...	1.77e3	36.4	YES
7	7 13C6-PFDA	1701662-05 TRUAX-03-TW03-110817 ...	4.97e3	48.9	YES
8	8 13C7-PFUdA	1701662-05 TRUAX-03-TW03-110817 ...	4.60e3	27.8	YES

AC 12/1/17

Dataset: U:\Q4.PRO\results\171130M1\171130M1-IIS AREAS.qld

Last Altered: Friday, December 01, 2017 08:58:07 Pacific Standard Time
Printed: Friday, December 01, 2017 09:03:19 Pacific Standard Time

Name: 171130M1_30, Date: 30-Nov-2017, Time: 14:33:33, ID: 1701662-06 TRUAX-07-TW07-110817 0.11822, Description: TRUAX-07-TW07-110817

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701662-06 TRUAX-07-TW07-110817 ...	8.56e3	56.0	NO
2	2	13C5-PFHxA	1701662-06 TRUAX-07-TW07-110817 ...	1.23e4	57.2	NO
3	3	13C3-PFHxS	1701662-06 TRUAX-07-TW07-110817 ...	2.39e3	59.7	NO
4	4	13C8-PFOA	1701662-06 TRUAX-07-TW07-110817 ...	9.19e3	55.0	NO
5	5	13C9-PFNA	1701662-06 TRUAX-07-TW07-110817 ...	9.34e3	48.2	YES
6	6	13C4-PFOS	1701662-06 TRUAX-07-TW07-110817 ...	2.28e3	47.0	YES
7	7	13C6-PFDA	1701662-06 TRUAX-07-TW07-110817 ...	5.18e3	50.9	NO
8	8	13C7-PFUdA	1701662-06 TRUAX-07-TW07-110817 ...	4.35e3	26.3	YES

Name: 171130M1_31, Date: 30-Nov-2017, Time: 14:44:44, ID: 1701662-07 TRUAX-02-TW02-110817 0.12754, Description: TRUAX-02-TW02-110817

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701662-07 TRUAX-02-TW02-110817 ...	7.93e3	51.9	NO
2	2	13C5-PFHxA	1701662-07 TRUAX-02-TW02-110817 ...	1.10e4	51.1	NO
3	3	13C3-PFHxS	1701662-07 TRUAX-02-TW02-110817 ...	1.72e3	42.9	YES
4	4	13C8-PFOA	1701662-07 TRUAX-02-TW02-110817 ...	8.07e3	48.3	YES
5	5	13C9-PFNA	1701662-07 TRUAX-02-TW02-110817 ...	9.37e3	48.3	YES
6	6	13C4-PFOS	1701662-07 TRUAX-02-TW02-110817 ...	1.47e3	30.3	YES
7	7	13C6-PFDA	1701662-07 TRUAX-02-TW02-110817 ...	4.78e3	47.0	YES
8	8	13C7-PFUdA	1701662-07 TRUAX-02-TW02-110817 ...	4.49e3	27.2	YES

Name: 171130M1_32, Date: 30-Nov-2017, Time: 14:55:55, ID: 1701662-08 TRUAX-08-TW08-110817 0.11855, Description: TRUAX-08-TW08-110817

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701662-08 TRUAX-08-TW08-110817 ...	7.92e3	51.8	NO
2	2	13C5-PFHxA	1701662-08 TRUAX-08-TW08-110817 ...	1.22e4	56.9	NO
3	3	13C3-PFHxS	1701662-08 TRUAX-08-TW08-110817 ...	1.80e3	44.9	YES
4	4	13C8-PFOA	1701662-08 TRUAX-08-TW08-110817 ...	9.56e3	57.1	NO
5	5	13C9-PFNA	1701662-08 TRUAX-08-TW08-110817 ...	8.58e3	44.3	YES
6	6	13C4-PFOS	1701662-08 TRUAX-08-TW08-110817 ...	1.80e3	37.0	YES
7	7	13C6-PFDA	1701662-08 TRUAX-08-TW08-110817 ...	3.82e3	37.6	YES
8	8	13C7-PFUdA	1701662-08 TRUAX-08-TW08-110817 ...	2.19e3	13.3	YES

Name: 171130M1_33, Date: 30-Nov-2017, Time: 15:07:05, ID: 1701662-09 TRUAX-BB-TWBB02-110917 0.12138, Description: TRUAX-BB-TWBB02-110917

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701662-09 TRUAX-BB-TWBB02-1109...	8.11e3	53.0	NO
2	2	13C5-PFHxA	1701662-09 TRUAX-BB-TWBB02-1109...	1.20e4	55.8	NO
3	3	13C3-PFHxS	1701662-09 TRUAX-BB-TWBB02-1109...	1.95e3	48.7	YES
4	4	13C8-PFOA	1701662-09 TRUAX-BB-TWBB02-1109...	9.85e3	58.9	NO
5	5	13C9-PFNA	1701662-09 TRUAX-BB-TWBB02-1109...	9.63e3	49.7	YES
6	6	13C4-PFOS	1701662-09 TRUAX-BB-TWBB02-1109...	2.15e3	44.3	YES
7	7	13C6-PFDA	1701662-09 TRUAX-BB-TWBB02-1109...	3.96e3	38.9	YES
8	8	13C7-PFUdA	1701662-09 TRUAX-BB-TWBB02-1109...	2.56e3	15.5	YES

AC 12/1/17

Dataset: U:\Q4.PRO\results\171130M1\171130M1-IIS AREAS.qld

Last Altered: Friday, December 01, 2017 08:58:07 Pacific Standard Time
Printed: Friday, December 01, 2017 09:03:19 Pacific Standard Time

Name: 171130M1_34, Date: 30-Nov-2017, Time: 15:18:16, ID: 1701662-10 TRUAX-BB-TWBB03-110917 0.11755, Description: TRUAX-BB-TWBB03-110917

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701662-10 TRUAX-BB-TWBB03-1109...	8.20e3	53.7	NO
2	2	13C5-PFHxA	1701662-10 TRUAX-BB-TWBB03-1109...	1.27e4	59.1	NO
3	3	13C3-PFHxS	1701662-10 TRUAX-BB-TWBB03-1109...	2.64e3	65.7	NO
4	4	13C8-PFOA	1701662-10 TRUAX-BB-TWBB03-1109...	8.39e3	50.1	NO
5	5	13C9-PFNA	1701662-10 TRUAX-BB-TWBB03-1109...	1.04e4	53.8	NO
6	6	13C4-PFOS	1701662-10 TRUAX-BB-TWBB03-1109...	2.66e3	54.8	NO
7	7	13C6-PFDA	1701662-10 TRUAX-BB-TWBB03-1109...	4.13e3	40.6	YES
8	8	13C7-PFUdA	1701662-10 TRUAX-BB-TWBB03-1109...	3.98e3	24.1	YES

Name: 171130M1_35, Date: 30-Nov-2017, Time: 15:29:27, ID: 1701662-11 TRUAX-09-TW09-110917 0.11447, Description: TRUAX-09-TW09-110917

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701662-11 TRUAX-09-TW09-110917 0..	7.80e3	51.1	NO
2	2	13C5-PFHxA	1701662-11 TRUAX-09-TW09-110917 0..	1.16e4	54.1	NO
3	3	13C3-PFHxS	1701662-11 TRUAX-09-TW09-110917 0..	2.43e3	60.6	NO
4	4	13C8-PFOA	1701662-11 TRUAX-09-TW09-110917 0..	8.84e3	52.9	NO
5	5	13C9-PFNA	1701662-11 TRUAX-09-TW09-110917 0..	7.74e3	39.9	YES
6	6	13C4-PFOS	1701662-11 TRUAX-09-TW09-110917 0..	1.98e3	40.8	YES
7	7	13C6-PFDA	1701662-11 TRUAX-09-TW09-110917 0..	3.53e3	34.7	YES
8	8	13C7-PFUdA	1701662-11 TRUAX-09-TW09-110917 0..	3.19e3	19.3	YES

Name: 171130M1_36, Date: 30-Nov-2017, Time: 15:40:38, ID: 1701662-12 TRUAX-04-TW04-110917 0.12418, Description: TRUAX-04-TW04-110917

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701662-12 TRUAX-04-TW04-110917 ...	7.82e3	51.2	NO
2	2	13C5-PFHxA	1701662-12 TRUAX-04-TW04-110917 ...	1.16e4	54.0	NO
3	3	13C3-PFHxS	1701662-12 TRUAX-04-TW04-110917 ...	2.19e3	54.5	NO
4	4	13C8-PFOA	1701662-12 TRUAX-04-TW04-110917 ...	9.17e3	54.8	NO
5	5	13C9-PFNA	1701662-12 TRUAX-04-TW04-110917 ...	6.61e3	34.1	YES
6	6	13C4-PFOS	1701662-12 TRUAX-04-TW04-110917 ...	1.55e3	32.1	YES
7	7	13C6-PFDA	1701662-12 TRUAX-04-TW04-110917 ...	3.10e3	30.5	YES
8	8	13C7-PFUdA	1701662-12 TRUAX-04-TW04-110917 ...	1.06e3	6.4	YES

Name: 171130M1_37, Date: 30-Nov-2017, Time: 15:51:48, ID: 1701662-13 TRUAX-05-TW05-110917 0.11422, Description: TRUAX-05-TW05-110917

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701662-13 TRUAX-05-TW05-110917 ...	8.18e3	53.5	NO
2	2	13C5-PFHxA	1701662-13 TRUAX-05-TW05-110917 ...	1.17e4	54.4	NO
3	3	13C3-PFHxS	1701662-13 TRUAX-05-TW05-110917 ...	2.41e3	60.1	NO
4	4	13C8-PFOA	1701662-13 TRUAX-05-TW05-110917 ...	8.71e3	52.1	NO
5	5	13C9-PFNA	1701662-13 TRUAX-05-TW05-110917 ...	1.01e4	51.9	NO
6	6	13C4-PFOS	1701662-13 TRUAX-05-TW05-110917 ...	2.52e3	52.0	NO
7	7	13C6-PFDA	1701662-13 TRUAX-05-TW05-110917 ...	3.75e3	36.9	YES
8	8	13C7-PFUdA	1701662-13 TRUAX-05-TW05-110917 ...	2.48e3	15.0	YES

AC 12/1/17

Dataset: U:\Q4.PRO\results\171130M1\171130M1-IIS AREAS.qld

Last Altered: Friday, December 01, 2017 08:58:07 Pacific Standard Time
Printed: Friday, December 01, 2017 09:03:19 Pacific Standard Time

Name: 171130M1_38, Date: 30-Nov-2017, Time: 16:02:59, ID: 1701662-14 TRUAX-EB-110617 0.11648, Description: TRUAX-EB-110617

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701662-14 TRUAX-EB-110617 0.11648	8.60e3	56.3	NO
2	2	13C5-PFHxA	1701662-14 TRUAX-EB-110617 0.11648	1.24e4	57.9	NO
3	3	13C3-PFHxS	1701662-14 TRUAX-EB-110617 0.11648	2.19e3	54.6	NO
4	4	13C8-PFOA	1701662-14 TRUAX-EB-110617 0.11648	8.89e3	53.1	NO
5	5	13C9-PFNA	1701662-14 TRUAX-EB-110617 0.11648	9.01e3	46.5	YES
6	6	13C4-PFOS	1701662-14 TRUAX-EB-110617 0.11648	2.07e3	42.7	YES
7	7	13C6-PFDA	1701662-14 TRUAX-EB-110617 0.11648	4.21e3	41.5	YES
8	8	13C7-PFUdA	1701662-14 TRUAX-EB-110617 0.11648	3.10e3	18.7	YES

Name: 171130M1_39, Date: 30-Nov-2017, Time: 16:14:10, ID: IPA, Description: IPA

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

Name: 171130M1_40, Date: 30-Nov-2017, Time: 16:25:20, ID: ST171130M1-3 PFC CS3 17K2810, Description: PFC CS3 17K2810

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST171130M1-3 PFC CS3 17K2810	1.51e4	98.5	NO
2	2	13C5-PFHxA	ST171130M1-3 PFC CS3 17K2810	2.19e4	102.1	NO
3	3	13C3-PFHxS	ST171130M1-3 PFC CS3 17K2810	3.76e3	93.8	NO
4	4	13C8-PFOA	ST171130M1-3 PFC CS3 17K2810	1.24e4	74.2	NO
5	5	13C9-PFNA	ST171130M1-3 PFC CS3 17K2810	1.46e4	75.5	NO
6	6	13C4-PFOS	ST171130M1-3 PFC CS3 17K2810	4.19e3	86.4	NO
7	7	13C6-PFDA	ST171130M1-3 PFC CS3 17K2810	9.52e3	93.6	NO
8	8	13C7-PFUdA	ST171130M1-3 PFC CS3 17K2810	1.18e4	71.5	NO

Name: 171130M1_41, Date: 30-Nov-2017, Time: 16:36:31, ID: IPA, Description: IPA

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

AC 12/1/17

Dataset: U:\Q4.PRO\results\171130M1\171130M1-IIS AREAS.qld

Last Altered: Friday, December 01, 2017 08:58:07 Pacific Standard Time
Printed: Friday, December 01, 2017 09:03:19 Pacific Standard Time

Name: 171130M1_42, Date: 30-Nov-2017, Time: 16:47:45, ID: 1701649-01 STWRT-12SD02-0.0-0.5 1.11, Description: STWRT-12SD02-0.0-0.5

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701649-01 STWRT-12SD02-0.0-0.5 1....	1.01e4	65.9	NO
2	2 13C5-PFHxA	1701649-01 STWRT-12SD02-0.0-0.5 1....	1.47e4	68.5	NO
3	3 13C3-PFHxS	1701649-01 STWRT-12SD02-0.0-0.5 1....	2.56e3	63.8	NO
4	4 13C8-PFOA	1701649-01 STWRT-12SD02-0.0-0.5 1....	9.43e3	56.4	NO
5	5 13C9-PFNA	1701649-01 STWRT-12SD02-0.0-0.5 1....	7.87e3	40.6	YES
6	6 13C4-PFOS	1701649-01 STWRT-12SD02-0.0-0.5 1....	1.08e3	22.2	YES
7	7 13C6-PFDA	1701649-01 STWRT-12SD02-0.0-0.5 1....	2.62e3	25.8	YES
8	8 13C7-PFUdA	1701649-01 STWRT-12SD02-0.0-0.5 1....	1.68e3	10.2	YES

Name: 171130M1_43, Date: 30-Nov-2017, Time: 16:58:53, ID: 1701649-03 STWRT-SD-DUP-001-110617 1.21, Description: STWRT-SD-DUP-001-110617

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701649-03 STWRT-SD-DUP-001-1106..	1.10e4	71.9	NO
2	2 13C5-PFHxA	1701649-03 STWRT-SD-DUP-001-1106..	1.54e4	71.7	NO
3	3 13C3-PFHxS	1701649-03 STWRT-SD-DUP-001-1106..	2.55e3	63.7	NO
4	4 13C8-PFOA	1701649-03 STWRT-SD-DUP-001-1106..	1.06e4	63.2	NO
5	5 13C9-PFNA	1701649-03 STWRT-SD-DUP-001-1106..	8.94e3	46.1	YES
6	6 13C4-PFOS	1701649-03 STWRT-SD-DUP-001-1106..	1.08e3	22.3	YES
7	7 13C6-PFDA	1701649-03 STWRT-SD-DUP-001-1106..	2.31e3	22.7	YES
8	8 13C7-PFUdA	1701649-03 STWRT-SD-DUP-001-1106..	1.29e3	7.8	YES

Name: 171130M1_44, Date: 30-Nov-2017, Time: 17:10:04, ID: B7K0137-BS1 OPR 0.125, Description: OPR

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7K0137-BS1 OPR 0.125	8.58e3	56.1	NO
2	2 13C5-PFHxA	B7K0137-BS1 OPR 0.125	1.15e4	53.9	NO
3	3 13C3-PFHxS	B7K0137-BS1 OPR 0.125	2.34e3	58.3	NO
4	4 13C8-PFOA	B7K0137-BS1 OPR 0.125	9.14e3	54.6	NO
5	5 13C9-PFNA	B7K0137-BS1 OPR 0.125	1.08e4	55.6	NO
6	6 13C4-PFOS	B7K0137-BS1 OPR 0.125	1.89e3	38.9	YES
7	7 13C6-PFDA	B7K0137-BS1 OPR 0.125	4.86e3	47.9	YES
8	8 13C7-PFUdA	B7K0137-BS1 OPR 0.125	2.62e3	15.9	YES

Name: 171130M1_45, Date: 30-Nov-2017, Time: 17:21:14, ID: B7K0137-BSD1 LCS Dup 0.125, Description: LCS Dup

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7K0137-BSD1 LCS Dup 0.125	9.70e3	63.5	NO
2	2 13C5-PFHxA	B7K0137-BSD1 LCS Dup 0.125	1.35e4	63.2	NO
3	3 13C3-PFHxS	B7K0137-BSD1 LCS Dup 0.125	2.28e3	56.8	NO
4	4 13C8-PFOA	B7K0137-BSD1 LCS Dup 0.125	7.64e3	45.7	YES
5	5 13C9-PFNA	B7K0137-BSD1 LCS Dup 0.125	9.70e3	50.0	NO
6	6 13C4-PFOS	B7K0137-BSD1 LCS Dup 0.125	2.19e3	45.1	YES
7	7 13C6-PFDA	B7K0137-BSD1 LCS Dup 0.125	3.41e3	33.5	YES
8	8 13C7-PFUdA	B7K0137-BSD1 LCS Dup 0.125	2.25e3	13.6	YES

AC 12/1/17

Dataset: U:\Q4.PRO\results\171130M1\171130M1-IIS AREAS.qld

Last Altered: Friday, December 01, 2017 08:58:07 Pacific Standard Time
Printed: Friday, December 01, 2017 09:03:19 Pacific Standard Time

Name: 171130M1_46, Date: 30-Nov-2017, Time: 17:32:25, ID: IPA, Description: IPA

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

Name: 171130M1_47, Date: 30-Nov-2017, Time: 17:43:35, ID: B7K0137-BLK1 Method Blank 0.125, Description: Method Blank

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7K0137-BLK1 Method Blank 0.125	8.73e3	57.1	NO
2	2 13C5-PFHxA	B7K0137-BLK1 Method Blank 0.125	1.21e4	56.7	NO
3	3 13C3-PFHxS	B7K0137-BLK1 Method Blank 0.125	2.37e3	59.0	NO
4	4 13C8-PFOA	B7K0137-BLK1 Method Blank 0.125	8.24e3	49.2	YES
5	5 13C9-PFNA	B7K0137-BLK1 Method Blank 0.125	7.49e3	38.6	YES
6	6 13C4-PFOS	B7K0137-BLK1 Method Blank 0.125	1.51e3	31.0	YES
7	7 13C6-PFDA	B7K0137-BLK1 Method Blank 0.125	2.88e3	28.3	YES
8	8 13C7-PFUdA	B7K0137-BLK1 Method Blank 0.125	9.69e2	5.9	YES

Name: 171130M1_48, Date: 30-Nov-2017, Time: 17:54:46, ID: 1701735-01 MSP-BW-111617 0.1184, Description: MSP-BW-111617

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701735-01 MSP-BW-111617 0.1184	8.14e3	53.3	NO
2	2 13C5-PFHxA	1701735-01 MSP-BW-111617 0.1184	1.12e4	52.5	NO
3	3 13C3-PFHxS	1701735-01 MSP-BW-111617 0.1184	2.31e3	57.7	NO
4	4 13C8-PFOA	1701735-01 MSP-BW-111617 0.1184	7.11e3	42.5	YES
5	5 13C9-PFNA	1701735-01 MSP-BW-111617 0.1184	7.91e3	40.8	YES
6	6 13C4-PFOS	1701735-01 MSP-BW-111617 0.1184	1.77e3	36.5	YES
7	7 13C6-PFDA	1701735-01 MSP-BW-111617 0.1184	3.26e3	32.1	YES
8	8 13C7-PFUdA	1701735-01 MSP-BW-111617 0.1184	1.87e3	11.3	YES

Name: 171130M1_49, Date: 30-Nov-2017, Time: 18:05:57, ID: IPA, Description: IPA

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

AC 12/1/17

Dataset: U:\Q4.PRO\results\171130M1\171130M1-IIS AREAS.qld

Last Altered: Friday, December 01, 2017 08:58:07 Pacific Standard Time
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Name: 171130M1_50, Date: 30-Nov-2017, Time: 18:17:09, ID: B7K0168-BS1 OPR 1, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7K0168-BS1 OPR 1	9.13e3	59.7	NO
2	2	13C5-PFHxA	B7K0168-BS1 OPR 1	1.32e4	61.4	NO
3	3	13C3-PFHxS	B7K0168-BS1 OPR 1	2.40e3	59.9	NO
4	4	13C8-PFOA	B7K0168-BS1 OPR 1	7.88e3	47.1	YES
5	5	13C9-PFNA	B7K0168-BS1 OPR 1	7.77e3	40.1	YES
6	6	13C4-PFOS	B7K0168-BS1 OPR 1	1.33e3	27.5	YES
7	7	13C6-PFDA	B7K0168-BS1 OPR 1	3.00e3	29.6	YES
8	8	13C7-PFUdA	B7K0168-BS1 OPR 1	1.46e3	8.8	YES

Name: 171130M1_51, Date: 30-Nov-2017, Time: 18:28:19, 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: 171130M1_52, Date: 30-Nov-2017, Time: 18:39:30, ID: B7K0168-BLK1 Method Blank 1, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7K0168-BLK1 Method Blank 1	9.14e3	59.8	NO
2	2	13C5-PFHxA	B7K0168-BLK1 Method Blank 1	1.32e4	61.6	NO
3	3	13C3-PFHxS	B7K0168-BLK1 Method Blank 1	2.71e3	67.6	NO
4	4	13C8-PFOA	B7K0168-BLK1 Method Blank 1	9.29e3	55.5	NO
5	5	13C9-PFNA	B7K0168-BLK1 Method Blank 1	8.73e3	45.0	YES
6	6	13C4-PFOS	B7K0168-BLK1 Method Blank 1	2.02e3	41.7	YES
7	7	13C6-PFDA	B7K0168-BLK1 Method Blank 1	3.05e3	30.0	YES
8	8	13C7-PFUdA	B7K0168-BLK1 Method Blank 1	3.55e3	21.5	YES

Name: 171130M1_53, Date: 30-Nov-2017, Time: 18:50:41, ID: B7K0168-MS1 Matrix Spike 1.16, Description: Matrix Spike

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7K0168-MS1 Matrix Spike 1.16	9.06e3	59.3	NO
2	2	13C5-PFHxA	B7K0168-MS1 Matrix Spike 1.16	1.23e4	57.5	NO
3	3	13C3-PFHxS	B7K0168-MS1 Matrix Spike 1.16	2.69e3	67.1	NO
4	4	13C8-PFOA	B7K0168-MS1 Matrix Spike 1.16	1.00e4	59.8	NO
5	5	13C9-PFNA	B7K0168-MS1 Matrix Spike 1.16	9.25e3	47.7	YES
6	6	13C4-PFOS	B7K0168-MS1 Matrix Spike 1.16	2.95e3	60.9	NO
7	7	13C6-PFDA	B7K0168-MS1 Matrix Spike 1.16	5.69e3	56.0	NO
8	8	13C7-PFUdA	B7K0168-MS1 Matrix Spike 1.16	6.39e3	38.6	YES

AC 12/1/17

Dataset: U:\Q4.PRO\results\171130M1\171130M1-IIS AREAS.qld

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Printed: Friday, December 01, 2017 09:03:19 Pacific Standard Time

Name: 171130M1_54, Date: 30-Nov-2017, Time: 19:01:55, ID: B7K0168-MSD1 Matrix Spike Dup 1.2, Description: Matrix Spike Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7K0168-MSD1 Matrix Spike Dup 1.2	9.73e3	63.7	NO
2	2	13C5-PFHxA	B7K0168-MSD1 Matrix Spike Dup 1.2	1.46e4	67.9	NO
3	3	13C3-PFHxS	B7K0168-MSD1 Matrix Spike Dup 1.2	2.65e3	66.1	NO
4	4	13C8-PFOA	B7K0168-MSD1 Matrix Spike Dup 1.2	1.10e4	66.0	NO
5	5	13C9-PFNA	B7K0168-MSD1 Matrix Spike Dup 1.2	9.63e3	49.7	YES
6	6	13C4-PFOS	B7K0168-MSD1 Matrix Spike Dup 1.2	2.47e3	50.9	NO
7	7	13C6-PFDA	B7K0168-MSD1 Matrix Spike Dup 1.2	5.11e3	50.3	NO
8	8	13C7-PFUdA	B7K0168-MSD1 Matrix Spike Dup 1.2	4.98e3	30.1	YES

Name: 171130M1_55, Date: 30-Nov-2017, Time: 19:13:04, ID: 1701663-01 TRUAX-07-SO-DUP2-110717 1.27, Description: TRUAX-07-SO-DUP2-110717

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701663-01 TRUAX-07-SO-DUP2-1107...	8.84e3	57.8	NO
2	2	13C5-PFHxA	1701663-01 TRUAX-07-SO-DUP2-1107...	1.21e4	56.5	NO
3	3	13C3-PFHxS	1701663-01 TRUAX-07-SO-DUP2-1107...	2.49e3	62.1	NO
4	4	13C8-PFOA	1701663-01 TRUAX-07-SO-DUP2-1107...	1.08e4	64.4	NO
5	5	13C9-PFNA	1701663-01 TRUAX-07-SO-DUP2-1107...	9.16e3	47.2	YES
6	6	13C4-PFOS	1701663-01 TRUAX-07-SO-DUP2-1107...	2.27e3	46.7	YES
7	7	13C6-PFDA	1701663-01 TRUAX-07-SO-DUP2-1107...	4.48e3	44.1	YES
8	8	13C7-PFUdA	1701663-01 TRUAX-07-SO-DUP2-1107...	5.32e3	32.2	YES

Name: 171130M1_56, Date: 30-Nov-2017, Time: 19:24:15, ID: 1701663-02 TRUAX-07-SB01-110717-0.5-1.0 1.17, Description: TRUAX-07-SB01-110717-0.5-1.0

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701663-02 TRUAX-07-SB01-110717-0...	9.75e3	63.8	NO
2	2	13C5-PFHxA	1701663-02 TRUAX-07-SB01-110717-0...	1.40e4	65.3	NO
3	3	13C3-PFHxS	1701663-02 TRUAX-07-SB01-110717-0...	2.86e3	71.3	NO
4	4	13C8-PFOA	1701663-02 TRUAX-07-SB01-110717-0...	1.02e4	61.0	NO
5	5	13C9-PFNA	1701663-02 TRUAX-07-SB01-110717-0...	1.08e4	55.9	NO
6	6	13C4-PFOS	1701663-02 TRUAX-07-SB01-110717-0...	2.32e3	47.9	YES
7	7	13C6-PFDA	1701663-02 TRUAX-07-SB01-110717-0...	4.13e3	40.6	YES
8	8	13C7-PFUdA	1701663-02 TRUAX-07-SB01-110717-0...	3.69e3	22.3	YES

Name: 171130M1_57, Date: 30-Nov-2017, Time: 19:35:26, ID: 1701663-03 TRUAX-07-SB01-110717-4.5-5.0 1.1, Description: TRUAX-07-SB01-110717-4.5-5.0

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701663-03 TRUAX-07-SB01-110717-4...	9.61e3	62.9	NO
2	2	13C5-PFHxA	1701663-03 TRUAX-07-SB01-110717-4...	1.45e4	67.5	NO
3	3	13C3-PFHxS	1701663-03 TRUAX-07-SB01-110717-4...	2.80e3	69.9	NO
4	4	13C8-PFOA	1701663-03 TRUAX-07-SB01-110717-4...	9.31e3	55.7	NO
5	5	13C9-PFNA	1701663-03 TRUAX-07-SB01-110717-4...	1.01e4	52.1	NO
6	6	13C4-PFOS	1701663-03 TRUAX-07-SB01-110717-4...	2.04e3	42.0	YES
7	7	13C6-PFDA	1701663-03 TRUAX-07-SB01-110717-4...	3.45e3	33.9	YES
8	8	13C7-PFUdA	1701663-03 TRUAX-07-SB01-110717-4...	3.02e3	18.3	YES

AC 12/1/17

Dataset: U:\Q4.PRO\results\171130M1\171130M1-IIS AREAS.qld

Last Altered: Friday, December 01, 2017 08:58:07 Pacific Standard Time
Printed: Friday, December 01, 2017 09:03:19 Pacific Standard Time

Name: 171130M1_58, Date: 30-Nov-2017, Time: 19:46:44, ID: 1701663-04 TRUAX-08-SB03-110717-0.5-1.0 1.23, Description: TRUAX-08-SB03-110717-0.5-1.0

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701663-04 TRUAX-08-SB03-110717-0...	9.00e3	58.9	NO
2	2 13C5-PFHxA	1701663-04 TRUAX-08-SB03-110717-0...	1.26e4	58.8	NO
3	3 13C3-PFHxS	1701663-04 TRUAX-08-SB03-110717-0...	2.41e3	60.2	NO
4	4 13C8-PFOA	1701663-04 TRUAX-08-SB03-110717-0...	1.04e4	61.9	NO
5	5 13C9-PFNA	1701663-04 TRUAX-08-SB03-110717-0...	1.02e4	52.5	NO
6	6 13C4-PFOS	1701663-04 TRUAX-08-SB03-110717-0...	2.22e3	45.8	YES
7	7 13C6-PFDA	1701663-04 TRUAX-08-SB03-110717-0...	4.88e3	48.0	YES
8	8 13C7-PFUdA	1701663-04 TRUAX-08-SB03-110717-0...	5.70e3	34.5	YES

Name: 171130M1_59, Date: 30-Nov-2017, Time: 19:57:55, ID: 1701663-05 TRUAX-08-SB03-110717-4.5-5.0 1.31, Description: TRUAX-08-SB03-110717-4.5-5.0

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701663-05 TRUAX-08-SB03-110717-4...	9.25e3	60.5	NO
2	2 13C5-PFHxA	1701663-05 TRUAX-08-SB03-110717-4...	1.40e4	65.1	NO
3	3 13C3-PFHxS	1701663-05 TRUAX-08-SB03-110717-4...	2.72e3	67.8	NO
4	4 13C8-PFOA	1701663-05 TRUAX-08-SB03-110717-4...	9.56e3	57.1	NO
5	5 13C9-PFNA	1701663-05 TRUAX-08-SB03-110717-4...	8.24e3	42.5	YES
6	6 13C4-PFOS	1701663-05 TRUAX-08-SB03-110717-4...	2.28e3	47.1	YES
7	7 13C6-PFDA	1701663-05 TRUAX-08-SB03-110717-4...	4.94e3	48.6	YES
8	8 13C7-PFUdA	1701663-05 TRUAX-08-SB03-110717-4...	5.08e3	30.7	YES

Name: 171130M1_60, Date: 30-Nov-2017, Time: 20:09:02, ID: 1701663-06 TRUAX-08-SB02-110717-0.5-1.0 1.14, Description: TRUAX-08-SB02-110717-0.5-1.0

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701663-06 TRUAX-08-SB02-110717-0...	9.72e3	63.6	NO
2	2 13C5-PFHxA	1701663-06 TRUAX-08-SB02-110717-0...	1.36e4	63.7	NO
3	3 13C3-PFHxS	1701663-06 TRUAX-08-SB02-110717-0...	2.60e3	64.9	NO
4	4 13C8-PFOA	1701663-06 TRUAX-08-SB02-110717-0...	1.04e4	62.4	NO
5	5 13C9-PFNA	1701663-06 TRUAX-08-SB02-110717-0...	1.01e4	52.2	NO
6	6 13C4-PFOS	1701663-06 TRUAX-08-SB02-110717-0...	2.44e3	50.2	NO
7	7 13C6-PFDA	1701663-06 TRUAX-08-SB02-110717-0...	5.67e3	55.8	NO
8	8 13C7-PFUdA	1701663-06 TRUAX-08-SB02-110717-0...	3.95e3	23.9	YES

Name: 171130M1_61, Date: 30-Nov-2017, Time: 20:20:13, ID: IPA, Description: IPA

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

AC 12/1/17

Dataset: U:\Q4.PRO\results\171130M1\171130M1-IIS AREAS.qld

Last Altered: Friday, December 01, 2017 08:58:07 Pacific Standard Time
Printed: Friday, December 01, 2017 09:03:19 Pacific Standard Time

Name: 171130M1_62, Date: 30-Nov-2017, Time: 20:31:23, ID: ST171130M1-4 PFC CS0 17K2808, Description: PFC CS0 17K2808

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST171130M1-4 PFC CS0 17K2808	1.79e4	117.4	NO
2	2	13C5-PFHxA	ST171130M1-4 PFC CS0 17K2808	2.50e4	116.8	NO
3	3	13C3-PFHxS	ST171130M1-4 PFC CS0 17K2808	4.97e3	123.8	NO
4	4	13C8-PFOA	ST171130M1-4 PFC CS0 17K2808	1.73e4	103.6	NO
5	5	13C9-PFNA	ST171130M1-4 PFC CS0 17K2808	2.09e4	107.7	NO
6	6	13C4-PFOS	ST171130M1-4 PFC CS0 17K2808	4.57e3	94.3	NO
7	7	13C6-PFDA	ST171130M1-4 PFC CS0 17K2808	1.27e4	124.6	NO
8	8	13C7-PFUdA	ST171130M1-4 PFC CS0 17K2808	1.51e4	91.1	NO

Name: 171130M1_63, Date: 30-Nov-2017, Time: 20:42:34, ID: IPA, Description: IPA

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

Name: 171130M1_64, Date: 30-Nov-2017, Time: 20:53:44, ID: 1701663-07 TRUAX-08-SO-DUP3-110717 1.13, Description: TRUAX-08-SO-DUP3-110717

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701663-07 TRUAX-08-SO-DUP3-1107...	8.51e3	55.7	NO
2	2	13C5-PFHxA	1701663-07 TRUAX-08-SO-DUP3-1107...	1.24e4	58.0	NO
3	3	13C3-PFHxS	1701663-07 TRUAX-08-SO-DUP3-1107...	2.29e3	57.0	NO
4	4	13C8-PFOA	1701663-07 TRUAX-08-SO-DUP3-1107...	8.94e3	53.5	NO
5	5	13C9-PFNA	1701663-07 TRUAX-08-SO-DUP3-1107...	8.46e3	43.7	YES
6	6	13C4-PFOS	1701663-07 TRUAX-08-SO-DUP3-1107...	2.41e3	49.7	YES
7	7	13C6-PFDA	1701663-07 TRUAX-08-SO-DUP3-1107...	4.74e3	46.6	YES
8	8	13C7-PFUdA	1701663-07 TRUAX-08-SO-DUP3-1107...	3.83e3	23.2	YES

Name: 171130M1_65, Date: 30-Nov-2017, Time: 21:04:55, ID: 1701663-08 TRUAX-08-SB02-110717-5.0-5.5 1.17, Description: TRUAX-08-SB02-110717-5.0-5.5

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701663-08 TRUAX-08-SB02-110717-5...	9.06e3	59.3	NO
2	2	13C5-PFHxA	1701663-08 TRUAX-08-SB02-110717-5...	1.33e4	62.1	NO
3	3	13C3-PFHxS	1701663-08 TRUAX-08-SB02-110717-5...	2.65e3	66.1	NO
4	4	13C8-PFOA	1701663-08 TRUAX-08-SB02-110717-5...	1.12e4	66.9	NO
5	5	13C9-PFNA	1701663-08 TRUAX-08-SB02-110717-5...	8.57e3	44.2	YES
6	6	13C4-PFOS	1701663-08 TRUAX-08-SB02-110717-5...	2.36e3	48.6	YES
7	7	13C6-PFDA	1701663-08 TRUAX-08-SB02-110717-5...	4.31e3	42.4	YES
8	8	13C7-PFUdA	1701663-08 TRUAX-08-SB02-110717-5...	3.11e3	18.8	YES

AC 12/1/17

Dataset: U:\Q4.PRO\results\171130M1\171130M1-IIS AREAS.qld

Last Altered: Friday, December 01, 2017 08:58:07 Pacific Standard Time
Printed: Friday, December 01, 2017 09:03:19 Pacific Standard Time

Name: 171130M1_66, Date: 30-Nov-2017, Time: 21:16:06, ID: 1701663-09 TRUAX-08-SB01-110717-0.5-1.0 1.27, Description: TRUAX-08-SB01-110717-0.5-1.0

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701663-09 TRUAX-08-SB01-110717-0...	9.63e3	63.0	NO
2	2 13C5-PFHxA	1701663-09 TRUAX-08-SB01-110717-0...	1.37e4	63.8	NO
3	3 13C3-PFHxS	1701663-09 TRUAX-08-SB01-110717-0...	2.62e3	65.3	NO
4	4 13C8-PFOA	1701663-09 TRUAX-08-SB01-110717-0...	1.07e4	64.1	NO
5	5 13C9-PFNA	1701663-09 TRUAX-08-SB01-110717-0...	1.06e4	54.9	NO
6	6 13C4-PFOS	1701663-09 TRUAX-08-SB01-110717-0...	3.16e3	65.1	NO
7	7 13C6-PFDA	1701663-09 TRUAX-08-SB01-110717-0...	4.82e3	47.4	YES
8	8 13C7-PFUdA	1701663-09 TRUAX-08-SB01-110717-0...	5.49e3	33.2	YES

Name: 171130M1_67, Date: 30-Nov-2017, Time: 21:27:17, ID: 1701663-10 TRUAX-08-SB01-110717-5.0-5.5 1.16, Description: TRUAX-08-SB01-110717-5.0-5.5

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701663-10 TRUAX-08-SB01-110717-5...	9.46e3	61.9	NO
2	2 13C5-PFHxA	1701663-10 TRUAX-08-SB01-110717-5...	1.42e4	66.3	NO
3	3 13C3-PFHxS	1701663-10 TRUAX-08-SB01-110717-5...	2.67e3	66.4	NO
4	4 13C8-PFOA	1701663-10 TRUAX-08-SB01-110717-5...	9.13e3	54.6	NO
5	5 13C9-PFNA	1701663-10 TRUAX-08-SB01-110717-5...	1.11e4	57.1	NO
6	6 13C4-PFOS	1701663-10 TRUAX-08-SB01-110717-5...	1.86e3	38.4	YES
7	7 13C6-PFDA	1701663-10 TRUAX-08-SB01-110717-5...	3.43e3	33.8	YES
8	8 13C7-PFUdA	1701663-10 TRUAX-08-SB01-110717-5...	2.05e3	12.4	YES

Name: 171130M1_68, Date: 30-Nov-2017, Time: 21:38:27, ID: 1701663-11 TRUAX-06-SB03-4.5-5.5 1.27, Description: TRUAX-06-SB03-4.5-5.5

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701663-11 TRUAX-06-SB03-4.5-5.5 1....	9.33e3	61.0	NO
2	2 13C5-PFHxA	1701663-11 TRUAX-06-SB03-4.5-5.5 1....	1.42e4	66.2	NO
3	3 13C3-PFHxS	1701663-11 TRUAX-06-SB03-4.5-5.5 1....	2.69e3	66.9	NO
4	4 13C8-PFOA	1701663-11 TRUAX-06-SB03-4.5-5.5 1....	1.04e4	62.1	NO
5	5 13C9-PFNA	1701663-11 TRUAX-06-SB03-4.5-5.5 1....	1.15e4	59.5	NO
6	6 13C4-PFOS	1701663-11 TRUAX-06-SB03-4.5-5.5 1....	2.34e3	48.3	YES
7	7 13C6-PFDA	1701663-11 TRUAX-06-SB03-4.5-5.5 1....	4.63e3	45.6	YES
8	8 13C7-PFUdA	1701663-11 TRUAX-06-SB03-4.5-5.5 1....	3.82e3	23.1	YES

Name: 171130M1_69, Date: 30-Nov-2017, Time: 21:49:38, ID: 1701663-12 TRUAX-06-SB03-7.0-7.5 1.21, Description: TRUAX-06-SB03-7.0-7.5

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701663-12 TRUAX-06-SB03-7.0-7.5 1....	8.94e3	58.5	NO
2	2 13C5-PFHxA	1701663-12 TRUAX-06-SB03-7.0-7.5 1....	1.24e4	57.9	NO
3	3 13C3-PFHxS	1701663-12 TRUAX-06-SB03-7.0-7.5 1....	2.52e3	62.9	NO
4	4 13C8-PFOA	1701663-12 TRUAX-06-SB03-7.0-7.5 1....	9.33e3	55.8	NO
5	5 13C9-PFNA	1701663-12 TRUAX-06-SB03-7.0-7.5 1....	9.72e3	50.1	NO
6	6 13C4-PFOS	1701663-12 TRUAX-06-SB03-7.0-7.5 1....	1.64e3	33.8	YES
7	7 13C6-PFDA	1701663-12 TRUAX-06-SB03-7.0-7.5 1....	3.49e3	34.3	YES
8	8 13C7-PFUdA	1701663-12 TRUAX-06-SB03-7.0-7.5 1....	3.58e3	21.6	YES

AC 12/1/17

Dataset: U:\Q4.PRO\results\171130M1\171130M1-IIS AREAS.qld

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Name: 171130M1_70, Date: 30-Nov-2017, Time: 22:00:49, ID: 1701663-13 TRUAX-06-SB02-0.5-1.0 1.2, Description: TRUAX-06-SB02-0.5-1.0

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701663-13 TRUAX-06-SB02-0.5-1.0 1.2	9.96e3	65.2	NO
2	2	13C5-PFHxA	1701663-13 TRUAX-06-SB02-0.5-1.0 1.2	1.41e4	65.6	NO
3	3	13C3-PFHxS	1701663-13 TRUAX-06-SB02-0.5-1.0 1.2	2.63e3	65.4	NO
4	4	13C8-PFOA	1701663-13 TRUAX-06-SB02-0.5-1.0 1.2	1.12e4	66.7	NO
5	5	13C9-PFNA	1701663-13 TRUAX-06-SB02-0.5-1.0 1.2	9.77e3	50.4	NO
6	6	13C4-PFOS	1701663-13 TRUAX-06-SB02-0.5-1.0 1.2	2.69e3	55.5	NO
7	7	13C6-PFDA	1701663-13 TRUAX-06-SB02-0.5-1.0 1.2	3.73e3	36.7	YES
8	8	13C7-PFUdA	1701663-13 TRUAX-06-SB02-0.5-1.0 1.2	3.75e3	22.7	YES

Name: 171130M1_71, Date: 30-Nov-2017, Time: 22:12:00, ID: 1701663-14 TRUAX-06-SB02-110717-4.5-5.0 1.27, Description: TRUAX-06-SB02-110717-4.5-5.0

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701663-14 TRUAX-06-SB02-110717-4...	1.00e4	65.6	NO
2	2	13C5-PFHxA	1701663-14 TRUAX-06-SB02-110717-4...	1.48e4	69.0	NO
3	3	13C3-PFHxS	1701663-14 TRUAX-06-SB02-110717-4...	2.85e3	70.9	NO
4	4	13C8-PFOA	1701663-14 TRUAX-06-SB02-110717-4...	1.06e4	63.1	NO
5	5	13C9-PFNA	1701663-14 TRUAX-06-SB02-110717-4...	1.03e4	53.0	NO
6	6	13C4-PFOS	1701663-14 TRUAX-06-SB02-110717-4...	2.29e3	47.3	YES
7	7	13C6-PFDA	1701663-14 TRUAX-06-SB02-110717-4...	4.44e3	43.7	YES
8	8	13C7-PFUdA	1701663-14 TRUAX-06-SB02-110717-4...	3.49e3	21.1	YES

Name: 171130M1_72, Date: 30-Nov-2017, Time: 22:23:10, ID: 1701663-15 TRUAX-09-SB03-110717-3.5-4.0 1.29, Description: TRUAX-09-SB03-110717-3.5-4.0

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701663-15 TRUAX-09-SB03-110717-3...	9.03e3	59.1	NO
2	2	13C5-PFHxA	1701663-15 TRUAX-09-SB03-110717-3...	1.38e4	64.3	NO
3	3	13C3-PFHxS	1701663-15 TRUAX-09-SB03-110717-3...	2.43e3	60.4	NO
4	4	13C8-PFOA	1701663-15 TRUAX-09-SB03-110717-3...	9.85e3	58.9	NO
5	5	13C9-PFNA	1701663-15 TRUAX-09-SB03-110717-3...	1.00e4	51.7	NO
6	6	13C4-PFOS	1701663-15 TRUAX-09-SB03-110717-3...	2.74e3	56.5	NO
7	7	13C6-PFDA	1701663-15 TRUAX-09-SB03-110717-3...	5.85e3	57.5	NO
8	8	13C7-PFUdA	1701663-15 TRUAX-09-SB03-110717-3...	4.97e3	30.1	YES

Name: 171130M1_73, Date: 30-Nov-2017, Time: 22:34:21, ID: 1701663-16 TRUAX-09-SB03-110717-6.5-7.0 1.34, Description: TRUAX-09-SB03-110717-6.5-7.0

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701663-16 TRUAX-09-SB03-110717-6...	9.42e3	61.7	NO
2	2	13C5-PFHxA	1701663-16 TRUAX-09-SB03-110717-6...	1.29e4	60.0	NO
3	3	13C3-PFHxS	1701663-16 TRUAX-09-SB03-110717-6...	2.80e3	69.9	NO
4	4	13C8-PFOA	1701663-16 TRUAX-09-SB03-110717-6...	9.40e3	56.2	NO
5	5	13C9-PFNA	1701663-16 TRUAX-09-SB03-110717-6...	1.05e4	54.3	NO
6	6	13C4-PFOS	1701663-16 TRUAX-09-SB03-110717-6...	2.34e3	48.2	YES
7	7	13C6-PFDA	1701663-16 TRUAX-09-SB03-110717-6...	5.40e3	53.1	NO
8	8	13C7-PFUdA	1701663-16 TRUAX-09-SB03-110717-6...	5.28e3	31.9	YES

AC 12/1/17

Dataset: U:\Q4.PRO\results\171130M1\171130M1-IIS AREAS.qld

Last Altered: Friday, December 01, 2017 08:58:07 Pacific Standard Time
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Name: 171130M1_74, Date: 30-Nov-2017, Time: 22:45:32, ID: IPA, Description: IPA

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

Name: 171130M1_75, Date: 30-Nov-2017, Time: 22:56:43, ID: ST171130M1-5 PFC CS3 17K2810, Description: PFC CS3 17K2810

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST171130M1-5 PFC CS3 17K2810	1.79e4	117.3	NO
2	2 13C5-PFHxA	ST171130M1-5 PFC CS3 17K2810	2.58e4	120.5	NO
3	3 13C3-PFHxS	ST171130M1-5 PFC CS3 17K2810	5.10e3	127.1	NO
4	4 13C8-PFOA	ST171130M1-5 PFC CS3 17K2810	1.83e4	109.1	NO
5	5 13C9-PFNA	ST171130M1-5 PFC CS3 17K2810	2.22e4	114.6	NO
6	6 13C4-PFOS	ST171130M1-5 PFC CS3 17K2810	5.77e3	118.9	NO
7	7 13C6-PFDA	ST171130M1-5 PFC CS3 17K2810	1.39e4	136.5	NO
8	8 13C7-PFUdA	ST171130M1-5 PFC CS3 17K2810	1.76e4	106.2	NO

Name: 171130M1_76, Date: 30-Nov-2017, Time: 23:07:53, ID: IPA, Description: IPA

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

Name: 171130M1_77, Date: 30-Nov-2017, Time: 23:19:04, ID: 1701663-17 TRUAX-07-SB03-110717-0.5-1.0 1.2, Description: TRUAX-07-SB03-110717-0.5-1.0

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701663-17 TRUAX-07-SB03-110717-0...	8.56e3	56.0	NO
2	2 13C5-PFHxA	1701663-17 TRUAX-07-SB03-110717-0...	1.32e4	61.5	NO
3	3 13C3-PFHxS	1701663-17 TRUAX-07-SB03-110717-0...	2.30e3	57.3	NO
4	4 13C8-PFOA	1701663-17 TRUAX-07-SB03-110717-0...	1.07e4	64.2	NO
5	5 13C9-PFNA	1701663-17 TRUAX-07-SB03-110717-0...	1.09e4	56.1	NO
6	6 13C4-PFOS	1701663-17 TRUAX-07-SB03-110717-0...	2.24e3	46.2	YES
7	7 13C6-PFDA	1701663-17 TRUAX-07-SB03-110717-0...	4.76e3	46.8	YES
8	8 13C7-PFUdA	1701663-17 TRUAX-07-SB03-110717-0...	3.64e3	22.0	YES

AC 12/1/17

Dataset: U:\Q4.PRO\results\171130M1\171130M1-IIS AREAS.qld

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Printed: Friday, December 01, 2017 09:03:19 Pacific Standard Time

Name: 171130M1_78, Date: 30-Nov-2017, Time: 23:30:14, ID: 1701663-18 TRUAX-07-SB03-110717-5.0-5.5 1.28, Description: TRUAX-07-SB03-110717-5.0-5.5

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701663-18 TRUAX-07-SB03-110717-5...	9.19e3	60.1	NO
2	2 13C5-PFHxA	1701663-18 TRUAX-07-SB03-110717-5...	1.43e4	66.8	NO
3	3 13C3-PFHxS	1701663-18 TRUAX-07-SB03-110717-5...	2.33e3	58.1	NO
4	4 13C8-PFOA	1701663-18 TRUAX-07-SB03-110717-5...	1.04e4	62.4	NO
5	5 13C9-PFNA	1701663-18 TRUAX-07-SB03-110717-5...	9.60e3	49.5	YES
6	6 13C4-PFOS	1701663-18 TRUAX-07-SB03-110717-5...	2.52e3	51.9	NO
7	7 13C6-PFDA	1701663-18 TRUAX-07-SB03-110717-5...	5.70e3	56.0	NO
8	8 13C7-PFUdA	1701663-18 TRUAX-07-SB03-110717-5...	5.28e3	31.9	YES

Name: 171130M1_79, Date: 30-Nov-2017, Time: 23:41:25, ID: 1701663-19 TRUAX-07-SB02-110717-0.5-1.0 1.19, Description: TRUAX-07-SB02-110717-0.5-1.0

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701663-19 TRUAX-07-SB02-110717-0...	8.74e3	57.2	NO
2	2 13C5-PFHxA	1701663-19 TRUAX-07-SB02-110717-0...	1.30e4	60.7	NO
3	3 13C3-PFHxS	1701663-19 TRUAX-07-SB02-110717-0...	2.61e3	65.1	NO
4	4 13C8-PFOA	1701663-19 TRUAX-07-SB02-110717-0...	1.01e4	60.2	NO
5	5 13C9-PFNA	1701663-19 TRUAX-07-SB02-110717-0...	1.07e4	55.4	NO
6	6 13C4-PFOS	1701663-19 TRUAX-07-SB02-110717-0...	2.51e3	51.7	NO
7	7 13C6-PFDA	1701663-19 TRUAX-07-SB02-110717-0...	4.80e3	47.2	YES
8	8 13C7-PFUdA	1701663-19 TRUAX-07-SB02-110717-0...	4.12e3	24.9	YES

Name: 171130M1_80, Date: 30-Nov-2017, Time: 23:52:36, ID: 1701663-20 TRUAX-07-SB02-110717-4.5-5.0 1.33, Description: TRUAX-07-SB02-110717-4.5-5.0

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701663-20 TRUAX-07-SB02-110717-4...	8.18e3	53.5	NO
2	2 13C5-PFHxA	1701663-20 TRUAX-07-SB02-110717-4...	1.27e4	59.1	NO
3	3 13C3-PFHxS	1701663-20 TRUAX-07-SB02-110717-4...	2.82e3	70.3	NO
4	4 13C8-PFOA	1701663-20 TRUAX-07-SB02-110717-4...	8.29e3	49.6	YES
5	5 13C9-PFNA	1701663-20 TRUAX-07-SB02-110717-4...	9.94e3	51.3	NO
6	6 13C4-PFOS	1701663-20 TRUAX-07-SB02-110717-4...	2.39e3	49.2	YES
7	7 13C6-PFDA	1701663-20 TRUAX-07-SB02-110717-4...	4.56e3	44.8	YES
8	8 13C7-PFUdA	1701663-20 TRUAX-07-SB02-110717-4...	7.83e3	47.4	YES

Name: 171130M1_81, Date: 01-Dec-2017, Time: 00:03:47, 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

AC 12/1/17

Dataset: U:\Q4.PRO\results\171130M1\171130M1-IIS AREAS.qld

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Name: 171130M1_82, Date: 01-Dec-2017, Time: 00:14:58, ID: ST171130M1-6 PFC CS3 17K2810, Description: PFC CS3 17K2810

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST171130M1-6 PFC CS3 17K2810	1.78e4	116.5	NO
2	2	13C5-PFHxA	ST171130M1-6 PFC CS3 17K2810	2.52e4	117.5	NO
3	3	13C3-PFHxS	ST171130M1-6 PFC CS3 17K2810	4.58e3	114.1	NO
4	4	13C8-PFOA	ST171130M1-6 PFC CS3 17K2810	1.77e4	105.8	NO
5	5	13C9-PFNA	ST171130M1-6 PFC CS3 17K2810	2.17e4	112.1	NO
6	6	13C4-PFOS	ST171130M1-6 PFC CS3 17K2810	5.62e3	115.9	NO
7	7	13C6-PFDA	ST171130M1-6 PFC CS3 17K2810	1.45e4	143.1	NO
8	8	13C7-PFUdA	ST171130M1-6 PFC CS3 17K2810	1.40e4	84.8	NO

AC 12/1/17

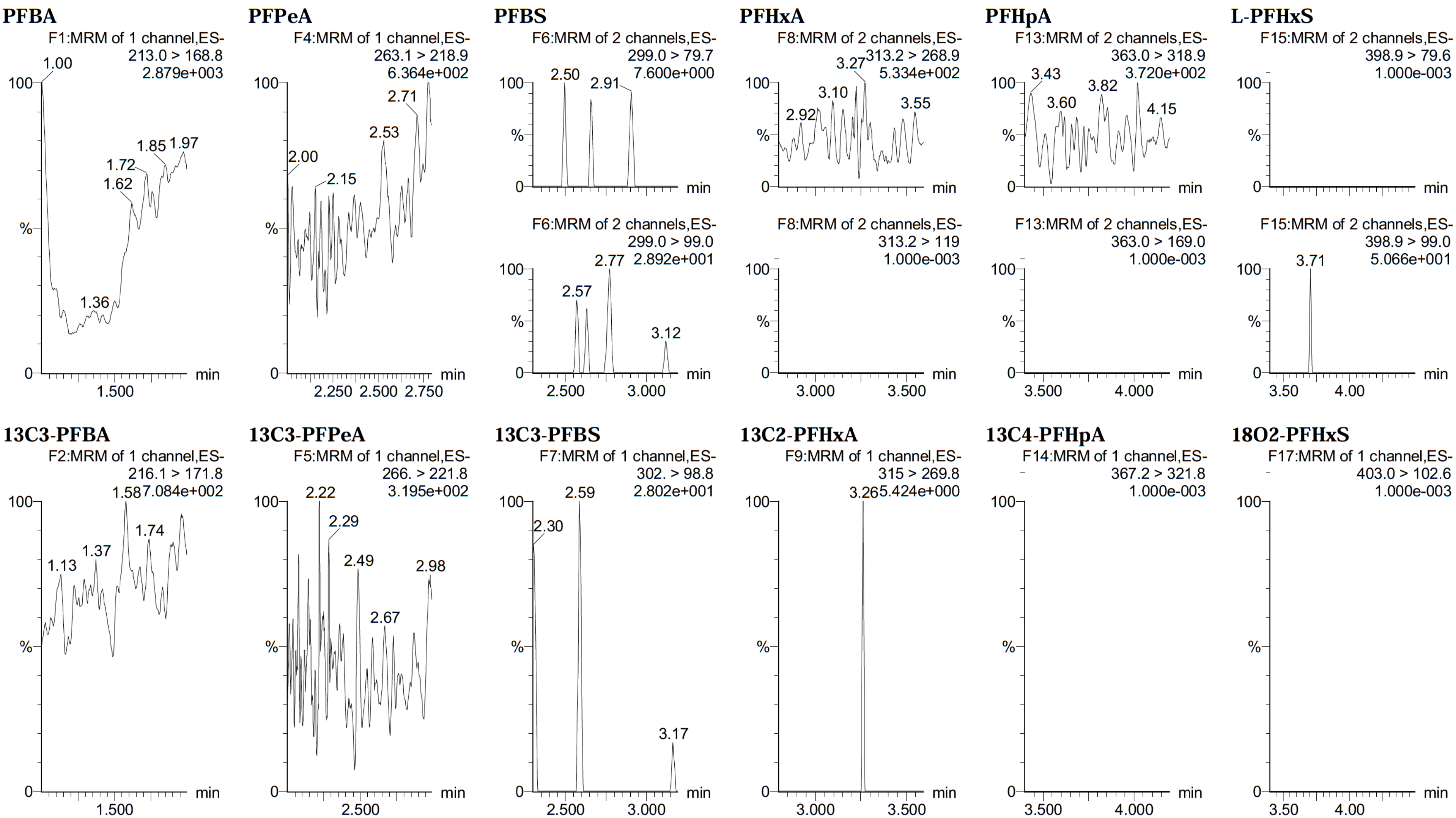
Quantify Sample Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-3.qld

Last Altered: Thursday, November 30, 2017 14:38:01 Pacific Standard Time
Printed: Thursday, November 30, 2017 14:38:56 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_112917.mdb 29 Nov 2017 15:16:56
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-29-17_FULL.cdb 29 Nov 2017 15:34:31

Name: 171130M1_3, Date: 30-Nov-2017, Time: 09:30:16, ID: IPA, Description: IPA



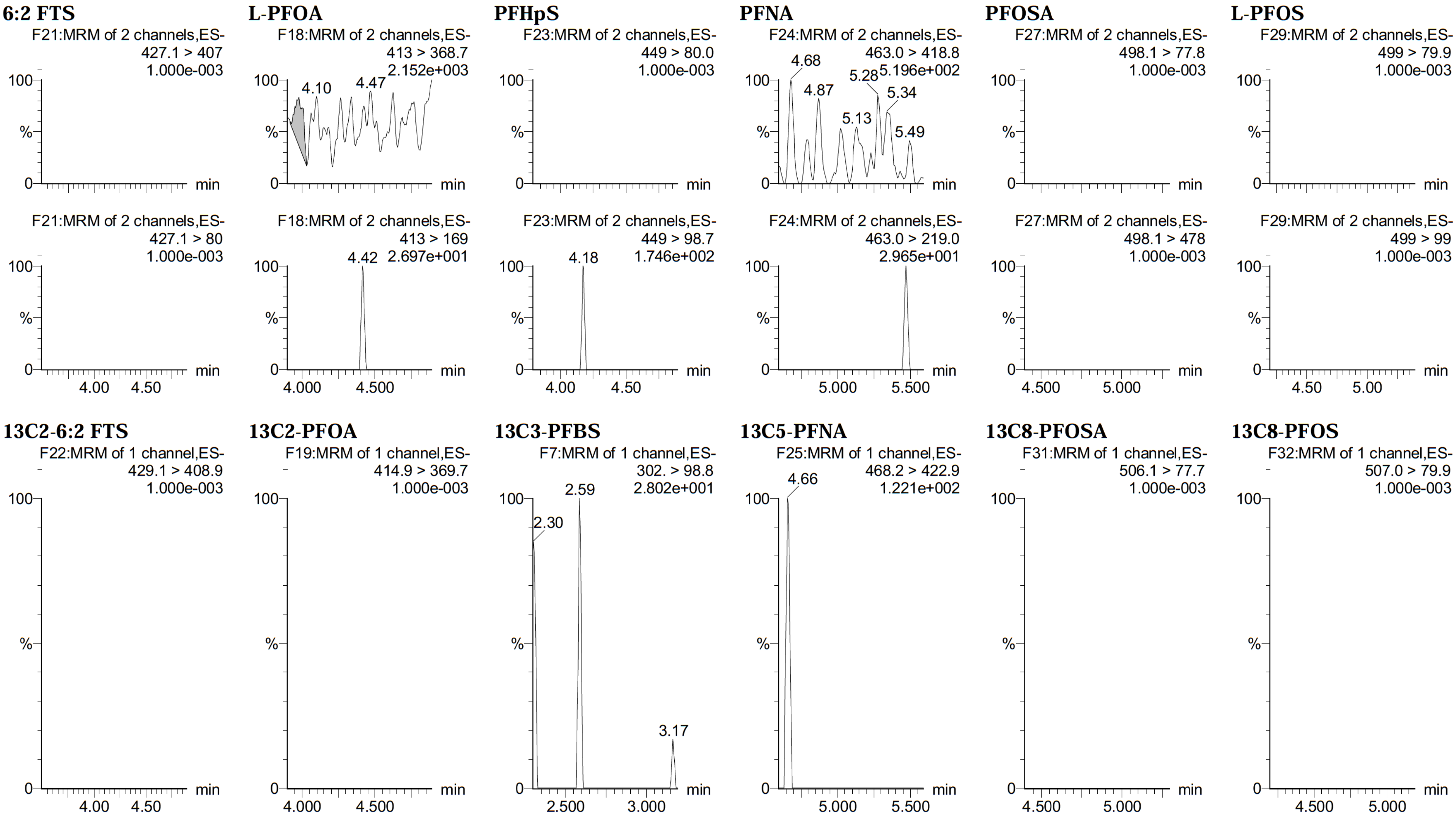
AC 11/30/17

Quantify Sample Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-3.qld

Last Altered: Thursday, November 30, 2017 14:38:01 Pacific Standard Time
Printed: Thursday, November 30, 2017 14:38:56 Pacific Standard Time

Name: 171130M1_3, Date: 30-Nov-2017, Time: 09:30:16, ID: IPA, Description: IPA



AC 11/30/17

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-3.qld

Last Altered: Thursday, November 30, 2017 14:38:01 Pacific Standard Time
Printed: Thursday, November 30, 2017 14:38:56 Pacific Standard Time

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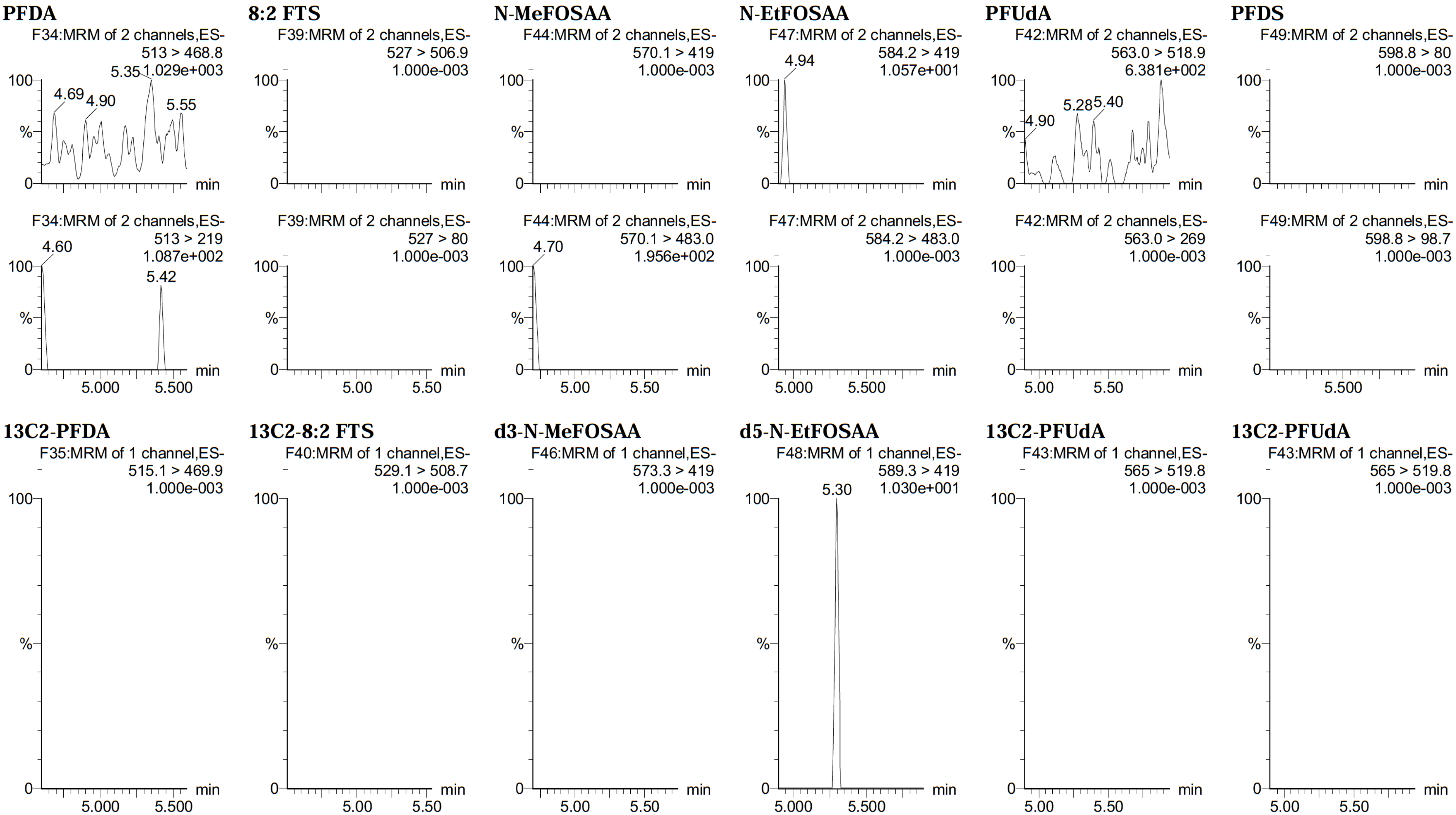


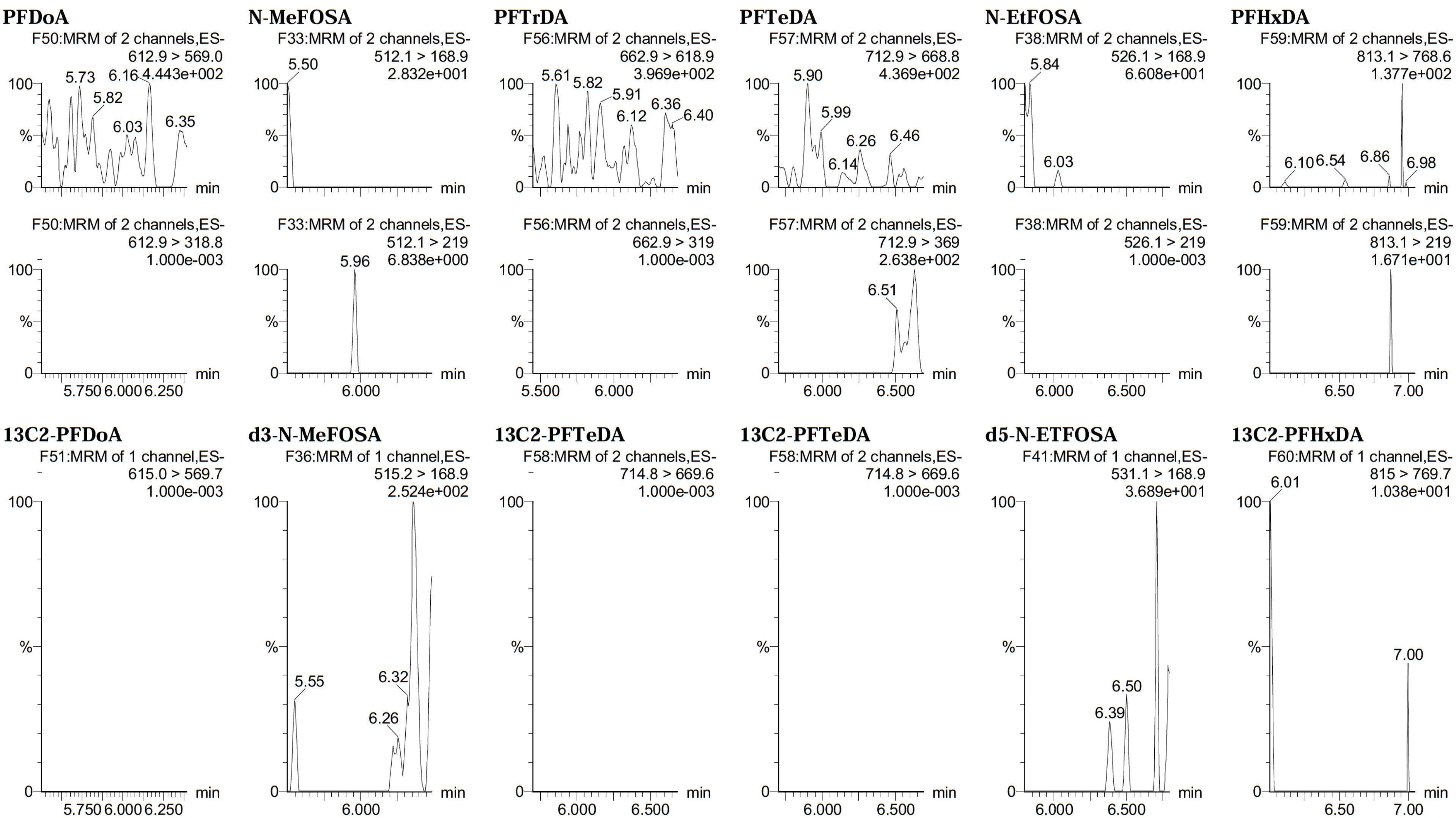
AC 11/30/17

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-3.qld

Last Altered: Thursday, November 30, 2017 14:38:01 Pacific Standard Time
Printed: Thursday, November 30, 2017 14:38:56 Pacific Standard Time

Name: 171130M1_3, Date: 30-Nov-2017, Time: 09:30:16, ID: IPA, Description: IPA



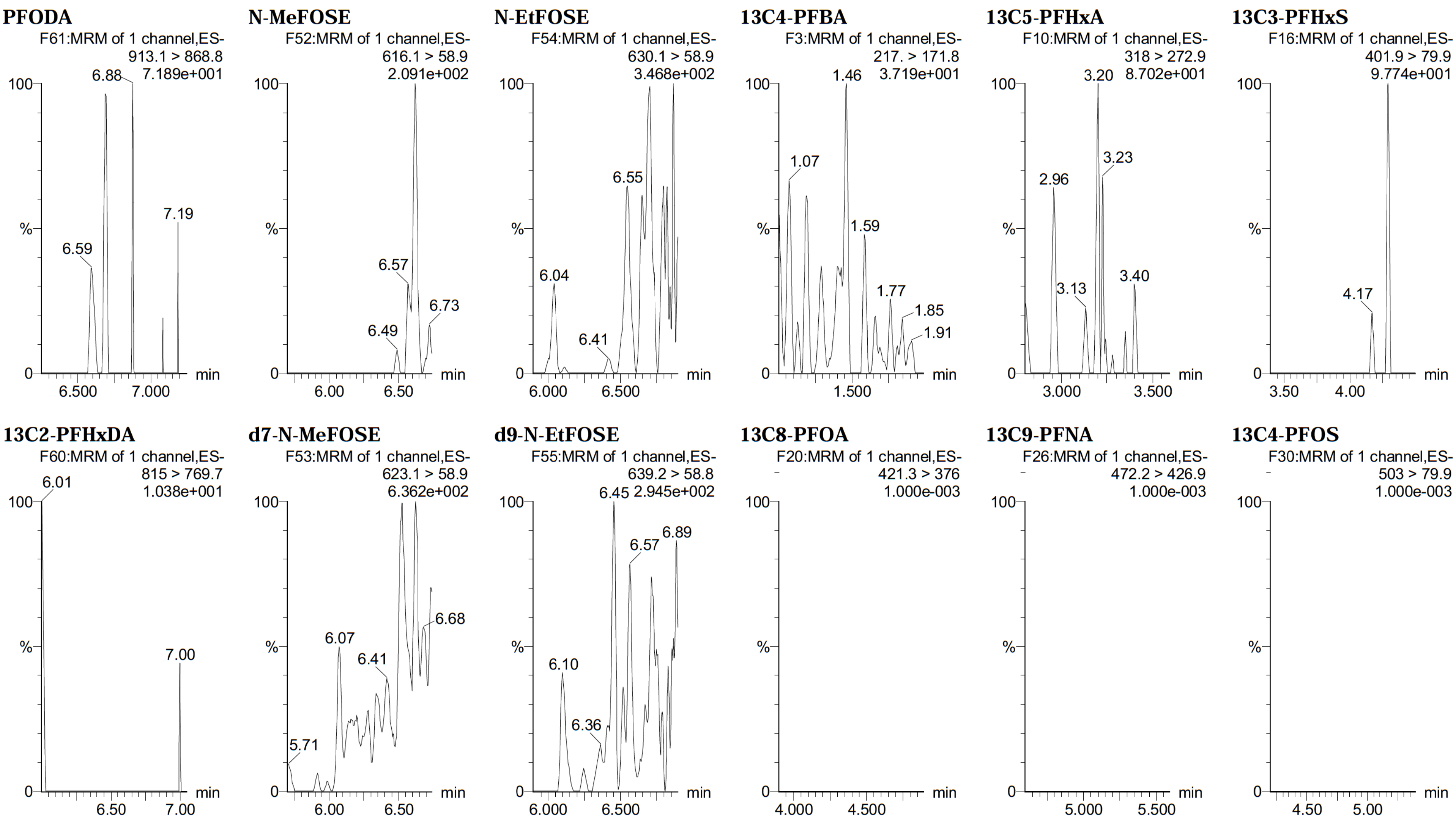
AC 11/30/17

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-3.qld

Last Altered: Thursday, November 30, 2017 14:38:01 Pacific Standard Time
Printed: Thursday, November 30, 2017 14:38:56 Pacific Standard Time

Name: 171130M1_3, Date: 30-Nov-2017, Time: 09:30:16, ID: IPA, Description: IPA



AC 11/30/17

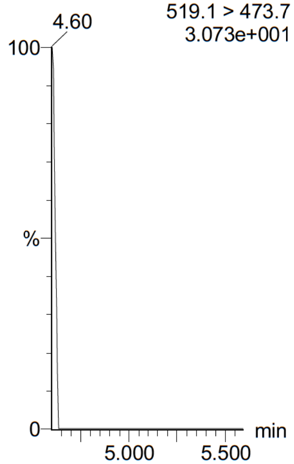
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-3.qld

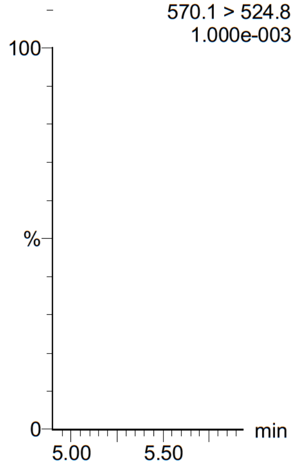
Last Altered: Thursday, November 30, 2017 14:38:01 Pacific Standard Time
Printed: Thursday, November 30, 2017 14:38:56 Pacific Standard Time

Name: 171130M1_3, Date: 30-Nov-2017, Time: 09:30:16, ID: IPA, Description: IPA

13C6-PFDA



13C7-PFUdA



AC 11/30/17

Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Ⓐ PFOSA, PFDA > 130% rec.
Ⓑ PFDS, 8:2FTS < 70% rec., not used.

Dataset: U:\Q4.PRO\results\171130M1\171130M1-2.qld

Last Altered: Thursday, November 30, 2017 09:30:14 Pacific Standard Time
Printed: Thursday, November 30, 2017 09:35:19 Pacific Standard Time

AC 11/30/17

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_112917.mdb 29 Nov 2017 15:16:56
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-29-17_FULL.cdb 29 Nov 2017 15:34:31

11/30/2017

Name: 171130M1_2, Date: 30-Nov-2017, Time: 09:19:04, ID: ST171130M1-1 PFC CS0 17K2808, Description: PFC CS0 17K2808

	#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBA	213.0 > 168.8	1.21e3	1.30e4	1.0000		1.66	1.56	1.16	0.968	96.8
2	2	PFPeA	263.1 > 218.9	1.40e3	1.56e4	1.0000		2.63	2.51	1.12	1.072	107.2
3	3	PFBS	299.0 > 79.7	3.70e2	1.83e3	1.0000		2.90	2.78	2.53	1.151	115.1
4	4	PFHxA	313.2 > 268.9	1.96e3	6.84e3	1.0000		3.40	3.29	1.43	0.926	92.6
5	5	PFHpA	363.0 > 318.9	1.35e3	1.28e4	1.0000		4.03	3.91	1.32	0.926	92.6
6	6	L-PFHxS	398.9 > 79.6	3.20e2	1.82e3	1.0000		4.19	4.06	2.20	1.133	113.3
7	8	6:2 FTS	427.1 > 407	2.89e2	3.51e3	1.0000		4.49	4.38	1.03	0.828	82.8
8	9	L-PFOA	413 > 368.7	1.62e3	1.76e4	1.0000		4.26	4.43	1.15	0.880	88.0
9	11	PFHpS	449 > 80.0	3.23e2	1.76e4	1.0000		4.65	4.53	0.229	0.745	74.5
10	12	PFNA	463.0 > 418.8	1.88e3	1.91e4	1.0000		5.00	4.86	1.22	1.004	100.4
11	13	PFOSA	498.1 > 77.8	5.04e2	4.75e3	1.0000		5.02	4.92	1.33	1.507	Ⓐ 150.7
12	14	L-PFOS	499 > 79.9	4.66e2	4.65e3	1.0000		5.08	4.94	1.25	1.239	123.9
13	16	PFDA	513 > 468.8	2.12e3	1.86e4	1.0000		5.34	5.23	1.42	1.402	Ⓐ 140.2
14	17	8:2 FTS	527 > 506.9	2.94e2	2.29e3	1.0000		5.35	5.20	1.60	0.639	Ⓑ 63.9
15	18	N-MeFOSAA	570.1 > 419	8.26e2	6.53e3	1.0000		5.49	5.38	1.58	1.012	101.2
16	19	N-EtFOSAA	584.2 > 419	6.85e2	7.09e3	1.0000		5.64	5.53	1.21	1.092	109.2
17	20	PFUdA	563.0 > 518.9	1.71e3	1.94e4	1.0000		5.66	5.55	1.10	0.834	83.4
18	21	PFDS	598.8 > 80	3.21e2	1.94e4	1.0000		5.73	5.59	0.206	0.675	Ⓑ 67.5
19	22	PFDoA	612.9 > 569.0	2.51e3	9.08e3	1.0000		5.94	5.83	3.45	1.007	100.7
20	23	N-MeFOSA	512.1 > 168.9	7.92e2	2.15e4	1.0000		5.85	5.83	5.53	5.244	104.9
21	24	PFTrDA	662.9 > 618.9	1.67e3	9.08e3	1.0000		6.18	6.06	2.30	0.844	84.4
22	25	PFTeDA	712.9 > 668.8	1.47e3	1.16e4	1.0000		6.37	6.27	1.58	1.241	124.1
23	26	N-EtFOSA	526.1 > 168.9	1.03e3	3.27e4	1.0000		6.21	6.19	4.74	4.799	96.0
24	27	PFHxDA	813.1 > 768.6	7.21e2	5.63e3	1.0000		6.66	6.57	0.640	1.038	103.8
25	28	PFODA	913.1 > 868.8	7.27e2	5.63e3	1.0000		6.87	6.79	0.645	0.911	91.1
26	29	N-MeFOSE	616.1 > 58.9	8.01e2	2.84e4	1.0000		6.30	6.32	4.23	4.432	88.6
27	30	N-EtFOSE	630.1 > 58.9	1.01e3	2.62e4	1.0000		6.42	6.46	5.78	4.846	96.9
28	31	13C3-PFBA	216.1 > 171.8	1.30e4	1.53e4	1.0000	0.861	1.66	1.56	10.7	12.389	99.1
29	32	13C3-PFPeA	266. > 221.8	1.56e4	2.14e4	1.0000	0.757	2.63	2.51	9.12	12.048	96.4
30	33	13C3-PFBS	302. > 98.8	1.83e3	2.14e4	1.0000	0.094	2.90	2.78	1.07	11.354	90.8
31	34	13C2-PFHxA	315 > 269.8	6.84e3	2.14e4	1.0000	0.738	3.40	3.29	3.99	5.408	108.2

70-130

50-150

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-2.qld

Last Altered: Thursday, November 30, 2017 09:30:14 Pacific Standard Time
Printed: Thursday, November 30, 2017 09:35:19 Pacific Standard Time

Name: 171130M1_2, Date: 30-Nov-2017, Time: 09:19:04, ID: ST171130M1-1 PFC CS0 17K2808, Description: PFC CS0 17K2808

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	35 13C4-PFHpA	367.2 > 321.8	1.28e4	2.14e4	1.0000	0.580	4.03	3.91	7.44	12.820	102.6
33	36 18O2-PFHxS	403.0 > 102.6	1.82e3	4.01e3	1.0000	0.438	4.17	4.06	5.68	12.953	103.6
34	37 13C2-6:2 FTS	429.1 > 408.9	3.51e3	1.67e4	1.0000	0.279	4.49	4.38	2.62	9.409	75.3
35	38 13C2-PFOA	414.9 > 369.7	1.76e4	1.67e4	1.0000	0.912	4.54	4.43	13.2	14.449	115.6
36	39 13C5-PFNA	468.2 > 422.9	1.91e4	1.94e4	1.0000	0.944	4.97	4.86	12.3	13.070	104.6
37	40 13C8-PFOSA	506.1 > 77.7	4.75e3	1.65e4	1.0000	0.444	5.02	4.92	3.59	8.085	64.7
38	41 13C8-PFOS	507.0 > 79.9	4.65e3	4.85e3	1.0000	1.038	5.05	4.93	12.0	11.537	92.3
39	42 13C2-PFDA	515.1 > 469.9	1.86e4	1.02e4	1.0000	2.003	5.34	5.23	22.8	11.402	91.2
40	43 13C2-8:2 FTS	529.1 > 508.7	2.29e3	2.14e4	1.0000	0.095	5.32	5.20	1.33	14.024	112.2
41	44 d3-N-MeFOSAA	573.3 > 419	6.53e3	1.65e4	1.0000	0.497	5.49	5.38	4.94	9.944	79.6
42	45 d5-N-EtFOSAA	589.3 > 419	7.09e3	1.65e4	1.0000	0.548	5.64	5.53	5.36	9.778	78.2
43	46 13C2-PFUdA	565 > 519.8	1.94e4	1.65e4	1.0000	1.135	5.66	5.55	14.7	12.942	103.5
44	47 13C2-PFDoA	615.0 > 569.7	9.08e3	1.65e4	1.0000	0.606	5.94	5.83	6.87	11.328	90.6
45	48 d3-N-MeFOSA	515.2 > 168.9	2.15e4	1.65e4	1.0000	0.144	5.85	5.85	16.2	112.343	74.9
46	49 13C2-PFTeDA	714.8 > 669.6	1.16e4	1.65e4	1.0000	0.769	6.37	6.27	8.78	11.427	91.4
47	50 d5-N-ETFOSA	531.1 > 168.9	3.27e4	1.65e4	1.0000	0.206	6.21	6.21	24.7	120.057	80.0
48	51 13C2-PFHxDA	815 > 769.7	5.63e3	1.65e4	1.0000	0.845	6.66	6.57	4.26	5.039	100.8
49	52 d7-N-MeFOSE	623.1 > 58.9	2.84e4	1.65e4	1.0000	0.190	6.30	6.30	21.5	113.031	75.4
50	53 d9-N-EtFOSE	639.2 > 58.8	2.62e4	1.65e4	1.0000	0.189	6.42	6.45	19.8	104.682	69.8
51	54 13C4-PFBA	217. > 171.8	1.53e4	1.53e4	1.0000	1.000	1.66	1.56	12.5	12.500	100.0
52	55 13C5-PFHxA	318 > 272.9	2.14e4	2.14e4	1.0000	1.000	3.40	3.29	12.5	12.500	100.0
53	56 13C3-PFHxS	401.9 > 79.9	4.01e3	4.01e3	1.0000	1.000	4.17	4.06	12.5	12.500	100.0
54	57 13C8-PFOA	421.3 > 376	1.67e4	1.67e4	1.0000	1.000	4.54	4.43	12.5	12.500	100.0
55	58 13C9-PFNA	472.2 > 426.9	1.94e4	1.94e4	1.0000	1.000	4.97	4.86	12.5	12.500	100.0
56	59 13C4-PFOS	503 > 79.9	4.85e3	4.85e3	1.0000	1.000	5.05	4.93	12.5	12.500	100.0
57	60 13C6-PFDA	519.1 > 473.7	1.02e4	1.02e4	1.0000	1.000	5.34	5.23	12.5	12.500	100.0
58	61 13C7-PFUdA	570.1 > 524.8	1.65e4	1.65e4	1.0000	1.000	5.66	5.55	12.5	12.500	100.0

50-150

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Thursday, November 30, 2017 14:31:42 Pacific Standard Time
Printed: Thursday, November 30, 2017 14:32:58 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_112917.mdb 29 Nov 2017 15:16:56
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-29-17_FULL.cdb 29 Nov 2017 15:34:31

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	171130M1_1	IPA	30-Nov-17	09:07:57
2	171130M1_2	ST171130M1-1 PFC CS0 17K2808	30-Nov-17	09:19:04
3	171130M1_3	IPA	30-Nov-17	09:30:16
4	171130M1_4	B7K0110-BS1 OPR 0.125	30-Nov-17	09:41:26
5	171130M1_5	B7K0110-BSD1 LCS Dup 0.125	30-Nov-17	09:54:08
6	171130M1_6	B7K0137-BS1 OPR 0.125	30-Nov-17	10:05:16
7	171130M1_7	B7K0137-BSD1 LCS Dup 0.125	30-Nov-17	10:16:28
8	171130M1_8	IPA	30-Nov-17	10:27:38
9	171130M1_9	B7K0110-BLK1 Method Blank 0.125	30-Nov-17	10:38:49
10	171130M1_10	B7K0137-BLK1 Method Blank 0.125	30-Nov-17	10:49:59
11	171130M1_11	1701619-02 STWRT-06SB03-0.2-0.7 1.45	30-Nov-17	11:01:10
12	171130M1_12	1701566-19RE1 AFFF-FFTA-SED-SW/SED5-...	30-Nov-17	11:12:21
13	171130M1_13	1701735-01 MSP-BW-111617 0.1184	30-Nov-17	11:23:31
14	171130M1_14	1701634-13@5X ESHEP-SW-DUP01-110617 ...	30-Nov-17	11:34:42
15	171130M1_15	1701633-03 ESHEP-04-SB01-0-2 1.23	30-Nov-17	11:45:52
16	171130M1_16	1701633-05 ESHEP-04-SB02-0-2 1.2	30-Nov-17	11:57:04
17	171130M1_17	1701633-08 ESHEP-04-SB03-13-15 1.35	30-Nov-17	12:08:14
18	171130M1_18	IPA	30-Nov-17	12:19:25
19	171130M1_19	B7K0085-MS1 Matrix Spike 0.12635	30-Nov-17	12:30:36
20	171130M1_20	B7K0085-MSD1 Matrix Spike Dup 0.12326	30-Nov-17	12:41:47
21	171130M1_21	IPA	30-Nov-17	12:52:57
22	171130M1_22	1701662-01 TRUAX-BB-TWBB01-110817 0.1...	30-Nov-17	13:04:08
23	171130M1_23	1701662-02 TRUAX-BB-GW-DUP0101-11081...	30-Nov-17	13:15:18
24	171130M1_24	1701662-03 TRUAX-06-TW06-110617 0.11787	30-Nov-17	13:26:29
25	171130M1_25	IPA	30-Nov-17	13:37:39
26	171130M1_26	ST171130M1-2 PFC CS3 17K2810	30-Nov-17	13:48:50
27	171130M1_27	IPA	30-Nov-17	14:00:01

LC Calibration Standards Review Checklist Q4

AC 11/30/17

		Level	ION Ratio	Concentration	C-Cals Name	Sign Date	Correct I-Cal	Manual Integrations	N/A
Calibration ID:	ST171130M1-1	L M H	N/A	☑ A	☑	☑	☑	☑	☐
Calibration ID:	-2	L M H	☑	☑ B	☑	☑	☑	☑	☑
Calibration ID:		L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:		L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:		L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:		L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:		L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:		L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:		L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:		L M H	☐	☐	☐	☐	☐	☐	☐

Full Mass Cal. Date: 11/14/17

Run Log Present: ☑

# of Samples per Sequence Checked: ☑

Reviewed By: JA 11/30/2017
Initials/Date

Comments:
A PFOSA, PFDA > 130% rec, PFDS, 8:2 FTS < 70%; not used
B PFHxDA > 130% rec.

PFOSA not valid in ICV. Not used. AC 11/30/17

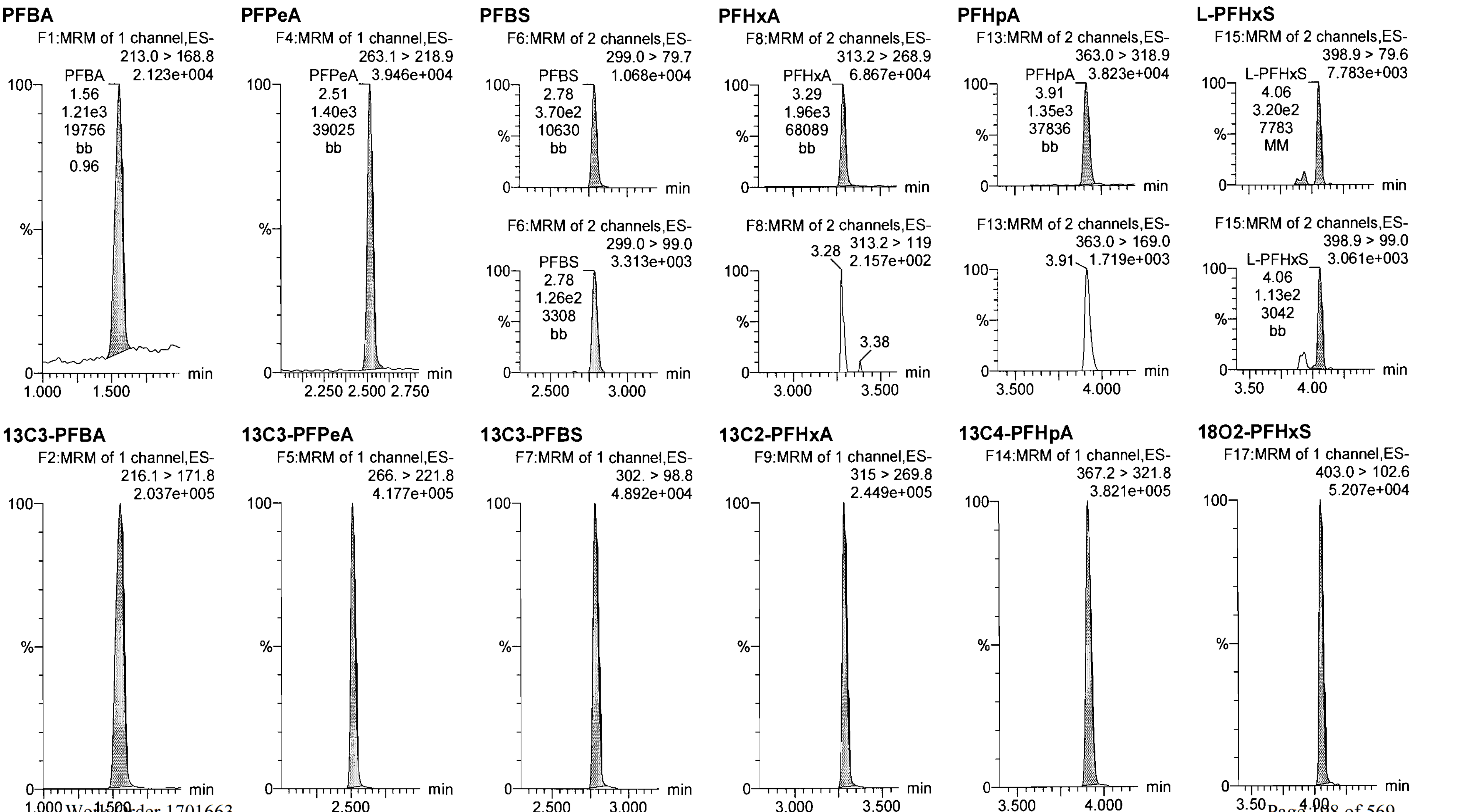
Quantify Sample Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-2.qld

Last Altered: Thursday, November 30, 2017 09:30:14 Pacific Standard Time
Printed: Thursday, November 30, 2017 09:35:19 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_112917.mdb 29 Nov 2017 15:16:56
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-29-17_FULL.cdb 29 Nov 2017 15:34:31

Name: 171130M1_2, Date: 30-Nov-2017, Time: 09:19:04, ID: ST171130M1-1 PFC CS0 17K2808, Description: PFC CS0 17K2808

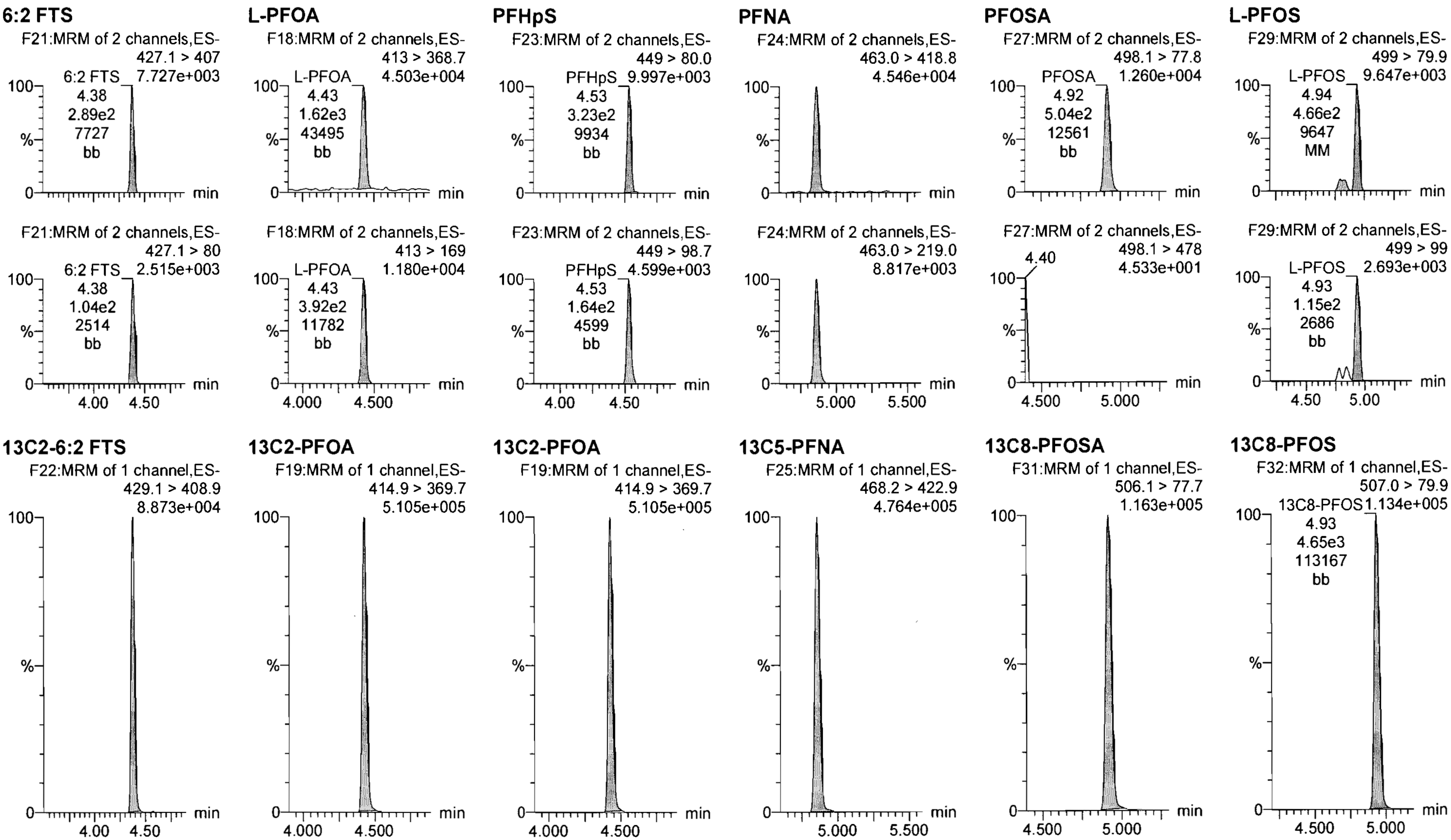


Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-2.qld

Last Altered: Thursday, November 30, 2017 09:30:14 Pacific Standard Time
Printed: Thursday, November 30, 2017 09:35:19 Pacific Standard Time

Name: 171130M1_2, Date: 30-Nov-2017, Time: 09:19:04, ID: ST171130M1-1 PFC CS0 17K2808, Description: PFC CS0 17K2808

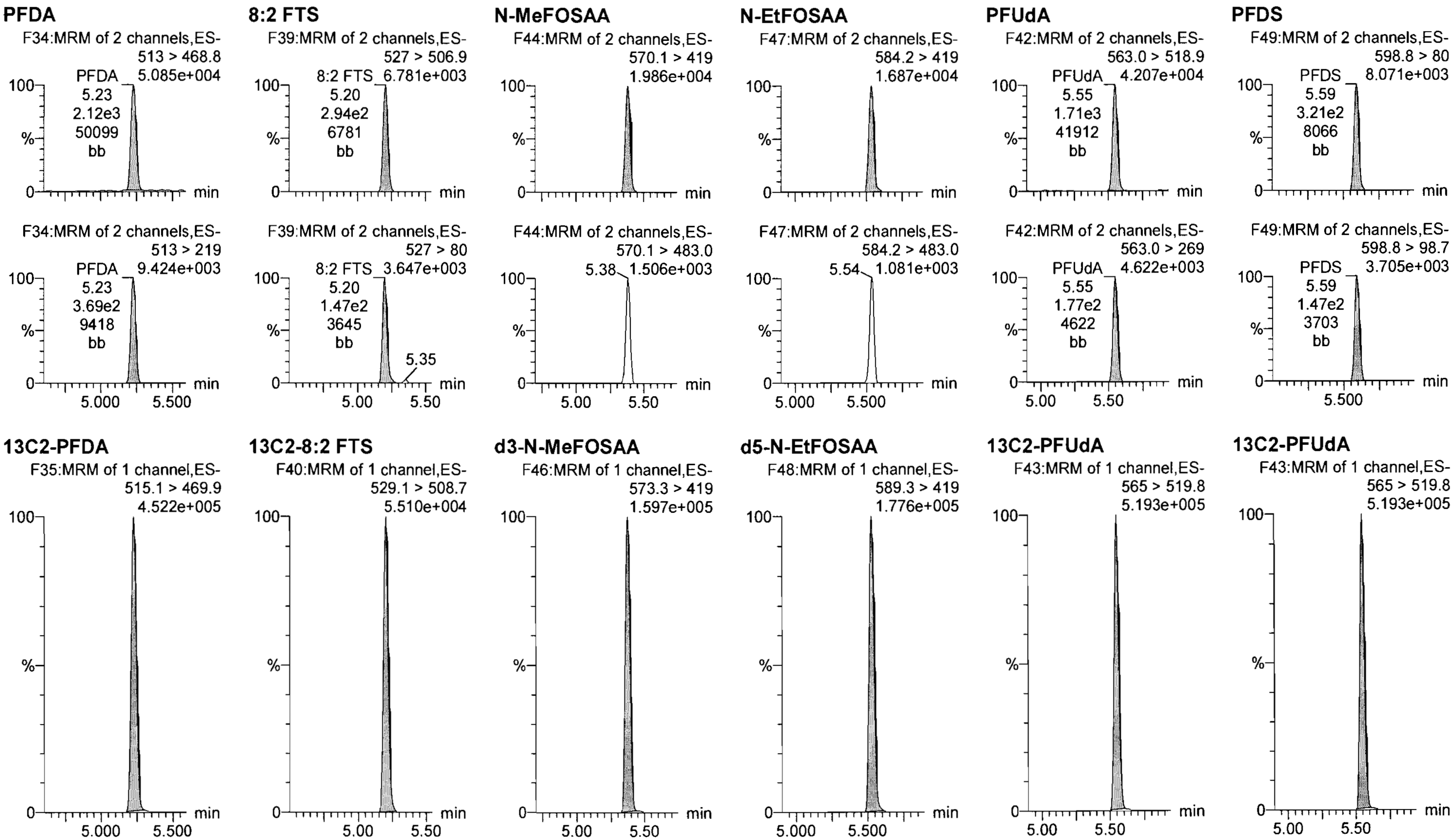


Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-2.qld

Last Altered: Thursday, November 30, 2017 09:30:14 Pacific Standard Time
Printed: Thursday, November 30, 2017 09:35:19 Pacific Standard Time

Name: 171130M1_2, Date: 30-Nov-2017, Time: 09:19:04, ID: ST171130M1-1 PFC CS0 17K2808, Description: PFC CS0 17K2808

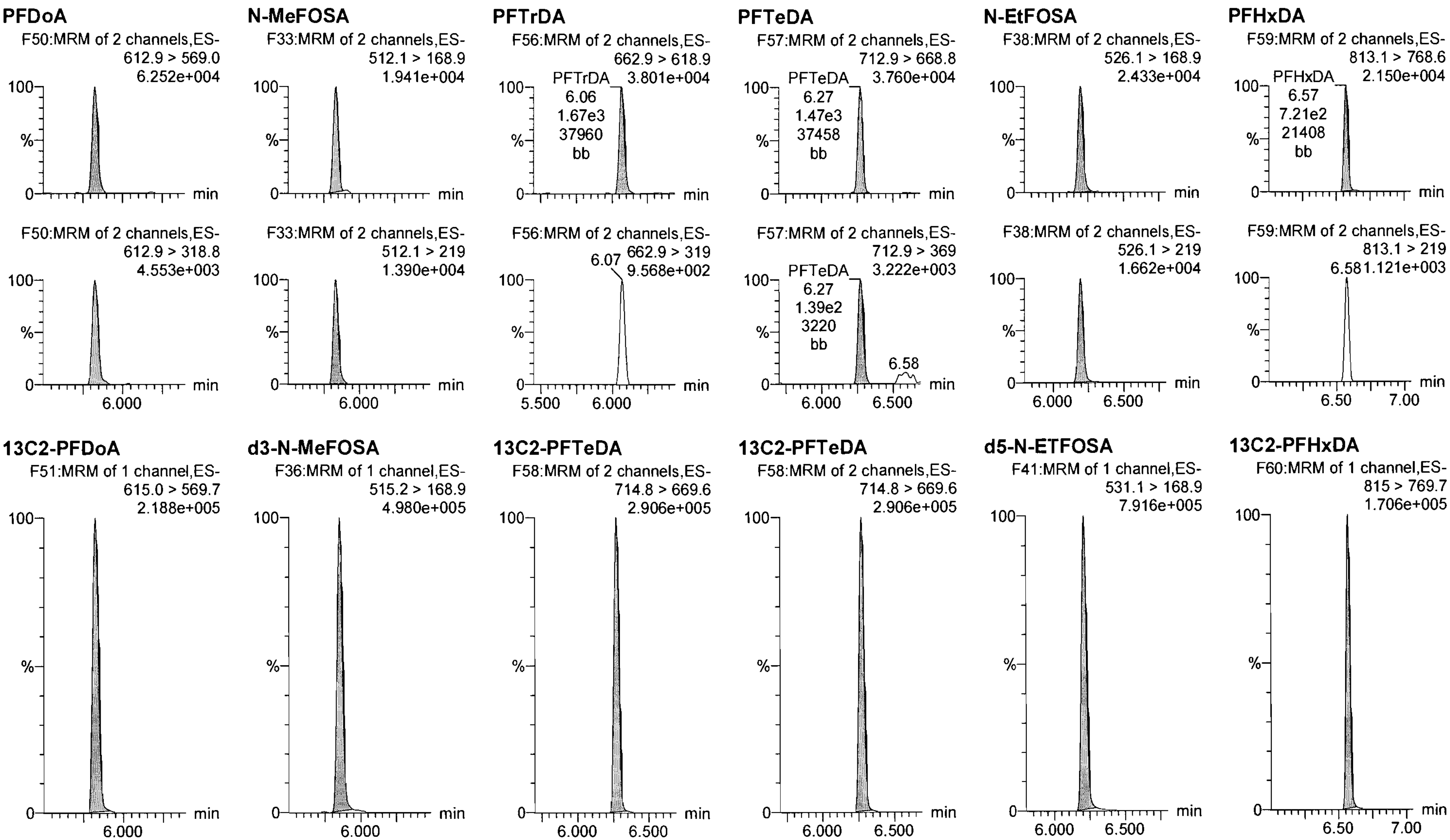


Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-2.qld

Last Altered: Thursday, November 30, 2017 09:30:14 Pacific Standard Time
Printed: Thursday, November 30, 2017 09:35:19 Pacific Standard Time

Name: 171130M1_2, Date: 30-Nov-2017, Time: 09:19:04, ID: ST171130M1-1 PFC CS0 17K2808, Description: PFC CS0 17K2808

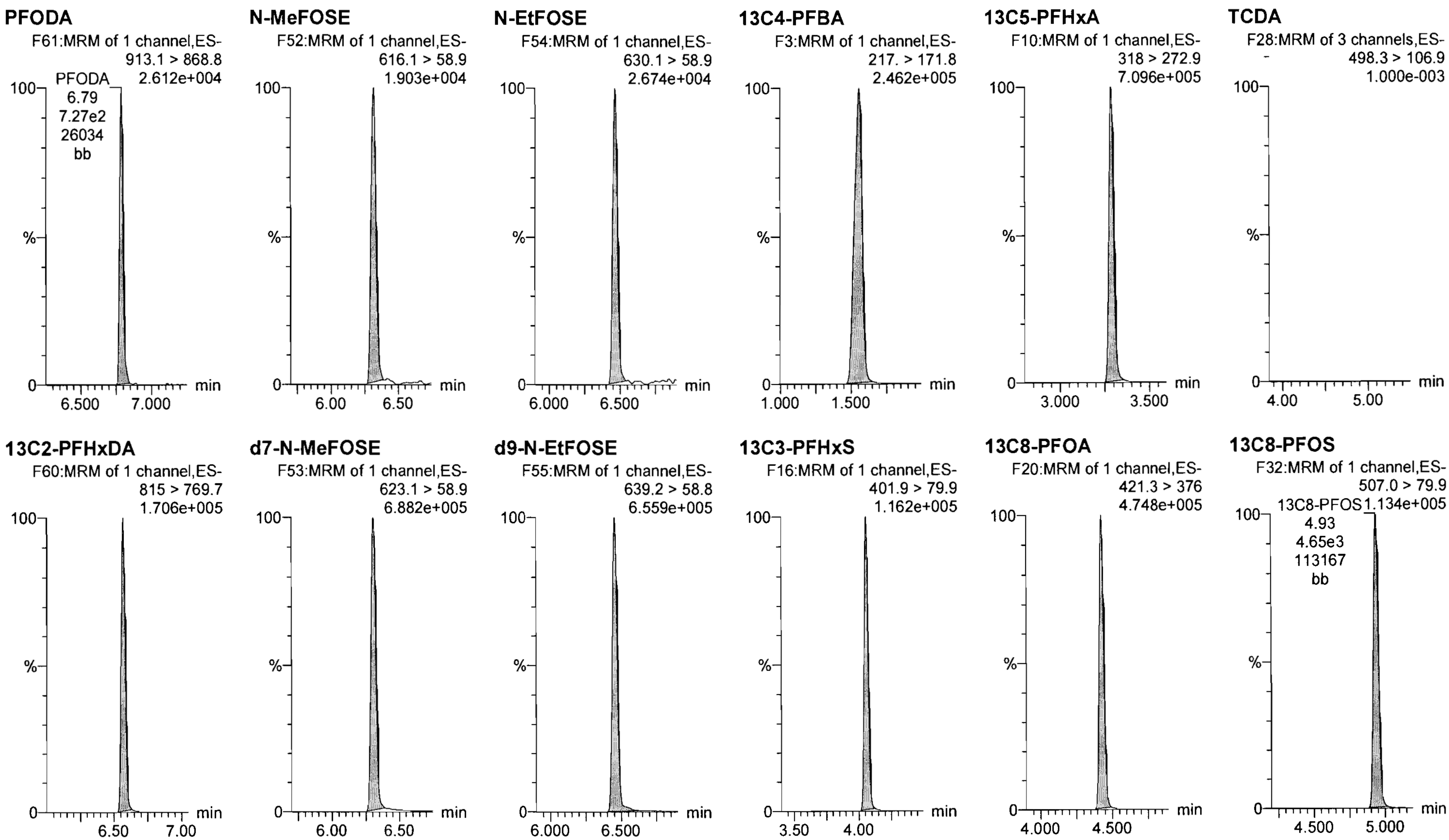


Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-2.qld

Last Altered: Thursday, November 30, 2017 09:30:14 Pacific Standard Time
Printed: Thursday, November 30, 2017 09:35:19 Pacific Standard Time

Name: 171130M1_2, Date: 30-Nov-2017, Time: 09:19:04, ID: ST171130M1-1 PFC CS0 17K2808, Description: PFC CS0 17K2808



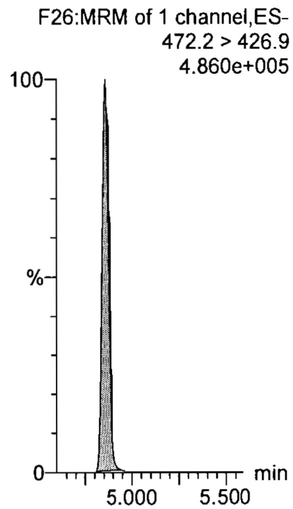
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-2.qld

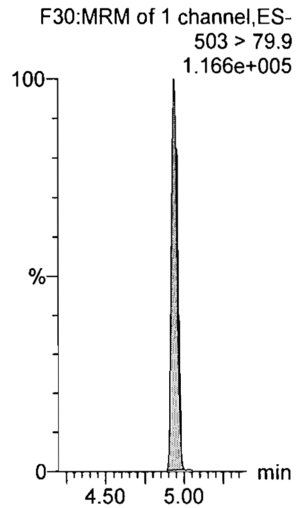
Last Altered: Thursday, November 30, 2017 09:30:14 Pacific Standard Time
Printed: Thursday, November 30, 2017 09:35:19 Pacific Standard Time

Name: 171130M1_2, Date: 30-Nov-2017, Time: 09:19:04, ID: ST171130M1-1 PFC CS0 17K2808, Description: PFC CS0 17K2808

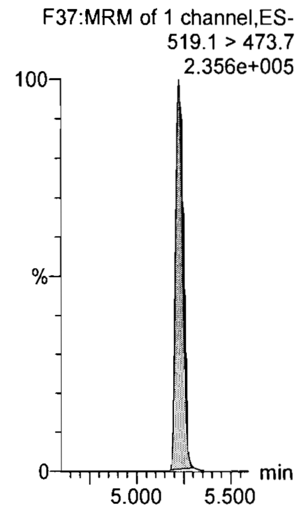
13C9-PFNA



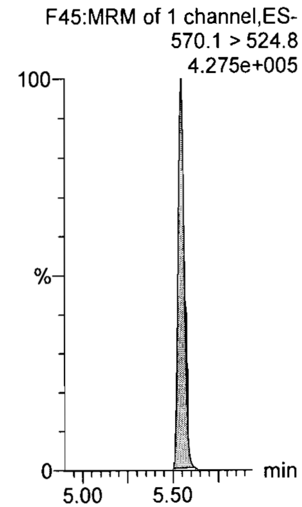
13C4-PFOS



13C6-PFDA



13C7-PFUdA



Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-40.qld

Last Altered: Thursday, November 30, 2017 19:36:44 Pacific Standard Time
Printed: Friday, December 01, 2017 08:13:18 Pacific Standard Time

AC 12/1/17
12/01/2017

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_112917.mdb 29 Nov 2017 15:16:56
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-29-17_FULL.cdb 29 Nov 2017 15:34:31

Name: 171130M1_40, Date: 30-Nov-2017, Time: 16:25:20, ID: ST171130M1-3 PFC CS3 17K2810, Description: PFC CS3 17K2810

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1 PFBA	213.0 > 168.8	1.21e4	1.32e4	1.0000		1.66	1.51	11.5	9.861	98.6
2	2 PFPeA	263.1 > 218.9	1.27e4	1.65e4	1.0000		2.63	2.47	9.63	9.568	95.7
3	3 PFBS	299.0 > 79.7	3.62e3	2.07e3	1.0000		2.90	2.74	21.9	10.155	101.5
4	4 PFHxA	313.2 > 268.9	2.00e4	6.18e3	1.0000		3.40	3.24	16.2	11.535	115.4
5	5 PFHpA	363.0 > 318.9	1.33e4	1.12e4	1.0000		4.03	3.87	14.9	11.413	114.1
6	6 L-PFHxS	398.9 > 79.6	2.70e3	1.65e3	1.0000		4.19	4.01	20.4	9.876	98.8
7	8 6:2 FTS	427.1 > 407	2.24e3	3.05e3	1.0000		4.49	4.33	9.19	7.552	75.5
8	9 L-PFOA	413 > 368.7	1.33e4	1.42e4	1.0000		4.26	4.38	11.7	11.574	115.7
9	11 PFHpS	449 > 80.0	3.11e3	1.42e4	1.0000		4.65	4.49	2.74	8.956	89.6
10	12 PFNA	463.0 > 418.8	1.44e4	1.61e4	1.0000		5.00	4.82	11.2	9.487	94.9
11	13 PFOSA	498.1 > 77.8	3.83e3	4.93e3	1.0000		5.02	4.88	9.70	10.636	106.4
12	14 L-PFOS	499 > 79.9	3.43e3	4.83e3	1.0000		5.08	4.90	8.89	9.067	90.7
13	16 PFDA	513 > 468.8	1.32e4	1.39e4	1.0000		5.34	5.19	11.9	10.857	108.6
14	17 8:2 FTS	527 > 506.9	3.26e3	2.05e3	1.0000		5.35	5.16	19.9	9.058	90.6
15	18 N-MeFOSAA	570.1 > 419	6.99e3	6.33e3	1.0000		5.49	5.34	13.8	8.551	85.5
16	19 N-EtFOSAA	584.2 > 419	6.14e3	6.85e3	1.0000		5.64	5.49	11.2	10.261	102.6
17	20 PFUdA	563.0 > 518.9	1.17e4	1.54e4	1.0000		5.66	5.51	9.51	7.118	71.2
18	21 PFDS	598.8 > 80	4.23e3	1.54e4	1.0000		5.73	5.55	3.42	9.665	96.7
19	22 PFDoA	612.9 > 569.0	1.75e4	7.62e3	1.0000		5.94	5.79	28.6	8.155	81.6
20	23 N-MeFOSA	512.1 > 168.9	8.30e3	2.18e4	1.0000		5.85	5.80	57.2	57.561	115.1
21	24 PFTrDA	662.9 > 618.9	1.41e4	7.62e3	1.0000		6.18	6.04	23.2	7.954	79.5
22	25 PFTeDA	712.9 > 668.8	1.18e4	1.02e4	1.0000		6.37	6.24	14.5	12.319	123.2
23	26 N-EtFOSA	526.1 > 168.9	1.05e4	3.21e4	1.0000		6.21	6.17	49.0	51.567	103.1
24	27 PFHxDA	813.1 > 768.6	5.16e3	4.64e3	1.0000		6.66	6.54	5.56	10.212	102.1
25	28 PFODA	913.1 > 868.8	6.29e3	4.64e3	1.0000		6.87	6.77	6.77	9.729	97.3
26	29 N-MeFOSE	616.1 > 58.9	8.05e3	2.73e4	1.0000		6.30	6.30	44.3	43.864	87.7
27	30 N-EtFOSE	630.1 > 58.9	1.09e4	2.33e4	1.0000		6.42	6.45	70.1	64.671	129.3
28	31 13C3-PFBA	216.1 > 171.8	1.32e4	1.51e4	1.0000	0.861	1.66	1.51	10.9	12.718	101.7
29	32 13C3-PFPeA	266. > 221.8	1.65e4	2.19e4	1.0000	0.757	2.63	2.46	9.39	12.399	99.2
30	33 13C3-PFBS	302. > 98.8	2.07e3	2.19e4	1.0000	0.094	2.90	2.73	1.18	12.578	100.6
31	34 13C2-PFHxA [illegible]	315 > 269.8	6.18e3	2.19e4	1.0000	0.738	3.40	3.24	3.53	4.786	95[illegible]

70-130
50-150

Dataset: U:\Q4.PRO\results\171130M1\171130M1-40.qld

Last Altered: Thursday, November 30, 2017 19:36:44 Pacific Standard Time
Printed: Friday, December 01, 2017 08:13:18 Pacific Standard Time

Name: 171130M1_40, Date: 30-Nov-2017, Time: 16:25:20, ID: ST171130M1-3 PFC CS3 17K2810, Description: PFC CS3 17K2810

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	35 13C4-PFHpA	367.2 > 321.8	1.12e4	2.19e4	1.0000	0.580	4.03	3.87	6.38	10.994	87.9
33	36 18O2-PFHxS	403.0 > 102.6	1.65e3	3.76e3	1.0000	0.438	4.17	4.01	5.48	12.519	100.1
34	37 13C2-6:2 FTS	429.1 > 408.9	3.05e3	1.24e4	1.0000	0.279	4.49	4.33	3.07	11.031	88.2
35	38 13C2-PFOA	414.9 > 369.7	1.42e4	1.24e4	1.0000	0.912	4.54	4.38	14.3	15.650	125.2
36	39 13C5-PFNA	468.2 > 422.9	1.61e4	1.46e4	1.0000	0.944	4.97	4.82	13.7	14.530	116.2
37	40 13C8-PFOSA	506.1 > 77.7	4.93e3	1.18e4	1.0000	0.444	5.02	4.88	5.22	11.748	94.0
38	41 13C8-PFOS	507.0 > 79.9	4.83e3	4.19e3	1.0000	1.038	5.05	4.90	14.4	13.869	110.9
39	42 13C2-PFDA	515.1 > 469.9	1.39e4	9.52e3	1.0000	2.003	5.34	5.19	18.3	9.116	72.9
40	43 13C2-8:2 FTS	529.1 > 508.7	2.05e3	2.19e4	1.0000	0.095	5.32	5.16	1.17	12.289	98.3
41	44 d3-N-MeFOSAA	573.3 > 419	6.33e3	1.18e4	1.0000	0.497	5.49	5.33	6.69	13.479	107.8
42	45 d5-N-EtFOSAA	589.3 > 419	6.85e3	1.18e4	1.0000	0.548	5.64	5.49	7.24	13.211	105.7
43	46 13C2-PFUdA	565 > 519.8	1.54e4	1.18e4	1.0000	1.135	5.66	5.51	16.3	14.379	115.0
44	47 13C2-PFDoA	615.0 > 569.7	7.62e3	1.18e4	1.0000	0.606	5.94	5.79	8.06	13.299	106.4
45	48 d3-N-MeFOSA	515.2 > 168.9	2.18e4	1.18e4	1.0000	0.144	5.85	5.82	23.0	159.485	106.3
46	49 13C2-PFTeDA	714.8 > 669.6	1.02e4	1.18e4	1.0000	0.769	6.37	6.24	10.8	14.030	112.2
47	50 d5-N-ETFOSA	531.1 > 168.9	3.21e4	1.18e4	1.0000	0.206	6.21	6.18	34.0	164.941	110.0
48	51 13C2-PFHxDA	815 > 769.7	4.64e3	1.18e4	1.0000	0.845	6.66	6.54	4.91	5.808	116.2
49	52 d7-N-MeFOSE	623.1 > 58.9	2.73e4	1.18e4	1.0000	0.190	6.30	6.29	28.8	151.673	101.1
50	53 d9-N-EtFOSE	639.2 > 58.8	2.33e4	1.18e4	1.0000	0.189	6.42	6.44	24.7	130.512	87.0
51	54 13C4-PFBA	217. > 171.8	1.51e4	1.51e4	1.0000	1.000	1.66	1.51	12.5	12.500	100.0
52	55 13C5-PFHxA	318 > 272.9	2.19e4	2.19e4	1.0000	1.000	3.40	3.24	12.5	12.500	100.0
53	56 13C3-PFHxS	401.9 > 79.9	3.76e3	3.76e3	1.0000	1.000	4.17	4.01	12.5	12.500	100.0
54	57 13C8-PFOA	421.3 > 376	1.24e4	1.24e4	1.0000	1.000	4.54	4.38	12.5	12.500	100.0
55	58 13C9-PFNA	472.2 > 426.9	1.46e4	1.46e4	1.0000	1.000	4.97	4.82	12.5	12.500	100.0
56	59 13C4-PFOS	503 > 79.9	4.19e3	4.19e3	1.0000	1.000	5.05	4.90	12.5	12.500	100.0
57	60 13C6-PFDA	519.1 > 473.7	9.52e3	9.52e3	1.0000	1.000	5.34	5.19	12.5	12.500	100.0
58	61 13C7-PFUdA	570.1 > 524.8	1.18e4	1.18e4	1.0000	1.000	5.66	5.51	12.5	12.500	100.0

50-150

LC Calibration Standards Review Checklist Q4

Calibration ID	Level	ION Ratio	Concentration	C-Cals Name	Sign Date	Correct I-Cal	Manual Integrations	N/A
Calibration ID: STT71130M1-3	L (M) H	N/A ☐	☑	☑	☑	☑	☑	☐
Calibration ID: -4	(L) M H	☐	☑	☑	☑	☑	☑	☐
Calibration ID: -5	L (M) H	☐	☑ (A)	☑	☑	☑	☑	☐
Calibration ID: -6	L (M) H	☑	☑	☑	☑	☑	☑	☑
Calibration ID:	L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:	L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:	L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:	L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:	L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:	L M H	☐	☐	☐	☐	☐	☐	☐

Full Mass Cal. Date: 11/14/17

Run Log Present: ☑

# of Samples per Sequence Checked: ☑

Reviewed By: JA. 12/01/2017
Initials/Date

Comments:
PFOSA > 130% in ICV.
(A) PFHxDA > 130%. recovery.
AC 12/1/17
12/1/17

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Friday, December 01, 2017 08:29:35 Pacific Standard Time
Printed: Friday, December 01, 2017 08:48:42 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_112917.mdb 29 Nov 2017 15:16:56
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-29-17_FULL.cdb 29 Nov 2017 15:34:31

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	171130M1_1	IPA	30-Nov-17	09:07:57
2	171130M1_2	ST171130M1-1 PFC CS0 17K2808	30-Nov-17	09:19:04
3	171130M1_3	IPA	30-Nov-17	09:30:16
4	171130M1_4	B7K0110-BS1 OPR 0.125	30-Nov-17	09:41:26
5	171130M1_5	B7K0110-BSD1 LCS Dup 0.125	30-Nov-17	09:54:08
6	171130M1_6	B7K0137-BS1 OPR 0.125	30-Nov-17	10:05:16
7	171130M1_7	B7K0137-BSD1 LCS Dup 0.125	30-Nov-17	10:16:28
8	171130M1_8	IPA	30-Nov-17	10:27:38
9	171130M1_9	B7K0110-BLK1 Method Blank 0.125	30-Nov-17	10:38:49
10	171130M1_10	B7K0137-BLK1 Method Blank 0.125	30-Nov-17	10:49:59
11	171130M1_11	1701619-02 STWRT-06SB03-0.2-0.7 1.45	30-Nov-17	11:01:10
12	171130M1_12	1701566-19RE1 AFFF-FFTA-SED-SW/SED5-...	30-Nov-17	11:12:21
13	171130M1_13	1701735-01 MSP-BW-111617 0.1184	30-Nov-17	11:23:31
14	171130M1_14	1701634-13@5X ESHEP-SW-DUP01-110617 ...	30-Nov-17	11:34:42
15	171130M1_15	1701633-03 ESHEP-04-SB01-0-2 1.23	30-Nov-17	11:45:52
16	171130M1_16	1701633-05 ESHEP-04-SB02-0-2 1.2	30-Nov-17	11:57:04
17	171130M1_17	1701633-08 ESHEP-04-SB03-13-15 1.35	30-Nov-17	12:08:14
18	171130M1_18	IPA	30-Nov-17	12:19:25
19	171130M1_19	B7K0085-MS1 Matrix Spike 0.12635	30-Nov-17	12:30:36
20	171130M1_20	B7K0085-MSD1 Matrix Spike Dup 0.12326	30-Nov-17	12:41:47
21	171130M1_21	IPA	30-Nov-17	12:52:57
22	171130M1_22	1701662-01 TRUAX-BB-TWBB01-110817 0.1...	30-Nov-17	13:04:08
23	171130M1_23	1701662-02 TRUAX-BB-GW-DUP0101-11081...	30-Nov-17	13:15:18
24	171130M1_24	1701662-03 TRUAX-06-TW06-110617 0.11787	30-Nov-17	13:26:29
25	171130M1_25	IPA	30-Nov-17	13:37:39
26	171130M1_26	ST171130M1-2 PFC CS3 17K2810	30-Nov-17	13:48:50
27	171130M1_27	IPA	30-Nov-17	14:00:01
28	171130M1_28	1701662-04 TRUAX-01-TW01-110817 0.12211	30-Nov-17	14:11:12
29	171130M1_29	1701662-05 TRUAX-03-TW03-110817 0.12109	30-Nov-17	14:22:23
30	171130M1_30	1701662-06 TRUAX-07-TW07-110817 0.11822	30-Nov-17	14:33:33
31	171130M1_31	1701662-07 TRUAX-02-TW02-110817 0.12754	30-Nov-17	14:44:44

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Friday, December 01, 2017 08:29:35 Pacific Standard Time
Printed: Friday, December 01, 2017 08:48:42 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
32	171130M1_32	1701662-08 TRUAX-08-TW08-110817 0.11855	30-Nov-17	14:55:55
33	171130M1_33	1701662-09 TRUAX-BB-TWBB02-110917 0.1...	30-Nov-17	15:07:05
34	171130M1_34	1701662-10 TRUAX-BB-TWBB03-110917 0.1...	30-Nov-17	15:18:16
35	171130M1_35	1701662-11 TRUAX-09-TW09-110917 0.11447	30-Nov-17	15:29:27
36	171130M1_36	1701662-12 TRUAX-04-TW04-110917 0.12418	30-Nov-17	15:40:38
37	171130M1_37	1701662-13 TRUAX-05-TW05-110917 0.11422	30-Nov-17	15:51:48
38	171130M1_38	1701662-14 TRUAX-EB-110617 0.11648	30-Nov-17	16:02:59
39	171130M1_39	IPA	30-Nov-17	16:14:10
40	171130M1_40	ST171130M1-3 PFC CS3 17K2810	30-Nov-17	16:25:20
41	171130M1_41	IPA	30-Nov-17	16:36:31
42	171130M1_42	1701649-01 STWRT-12SD02-0.0-0.5 1.11	30-Nov-17	16:47:45
43	171130M1_43	1701649-03 STWRT-SD-DUP-001-110617 1.21	30-Nov-17	16:58:53
44	171130M1_44	B7K0137-BS1 OPR 0.125	30-Nov-17	17:10:04
45	171130M1_45	B7K0137-BSD1 LCS Dup 0.125	30-Nov-17	17:21:14
46	171130M1_46	IPA	30-Nov-17	17:32:25
47	171130M1_47	B7K0137-BLK1 Method Blank 0.125	30-Nov-17	17:43:35
48	171130M1_48	1701735-01 MSP-BW-111617 0.1184	30-Nov-17	17:54:46
49	171130M1_49	IPA	30-Nov-17	18:05:57
50	171130M1_50	B7K0168-BS1 OPR 1	30-Nov-17	18:17:09
51	171130M1_51	IPA	30-Nov-17	18:28:19
52	171130M1_52	B7K0168-BLK1 Method Blank 1	30-Nov-17	18:39:30
53	171130M1_53	B7K0168-MS1 Matrix Spike 1.16	30-Nov-17	18:50:41
54	171130M1_54	B7K0168-MSD1 Matrix Spike Dup 1.2	30-Nov-17	19:01:55
55	171130M1_55	1701663-01 TRUAX-07-SO-DUP2-110717 1.27	30-Nov-17	19:13:04
56	171130M1_56	1701663-02 TRUAX-07-SB01-110717-0.5-1.0 ...	30-Nov-17	19:24:15
57	171130M1_57	1701663-03 TRUAX-07-SB01-110717-4.5-5.0 ...	30-Nov-17	19:35:26
58	171130M1_58	1701663-04 TRUAX-08-SB03-110717-0.5-1.0 ...	30-Nov-17	19:46:44
59	171130M1_59	1701663-05 TRUAX-08-SB03-110717-4.5-5.0 ...	30-Nov-17	19:57:55
60	171130M1_60	1701663-06 TRUAX-08-SB02-110717-0.5-1.0 ...	30-Nov-17	20:09:02
61	171130M1_61	IPA	30-Nov-17	20:20:13
62	171130M1_62	ST171130M1-4 PFC CS0 17K2808	30-Nov-17	20:31:23
63	171130M1_63	IPA	30-Nov-17	20:42:34
64	171130M1_64	1701663-07 TRUAX-08-SO-DUP3-110717 1.13	30-Nov-17	20:53:44
65	171130M1_65	1701663-08 TRUAX-08-SB02-110717-5.0-5.5 ...	30-Nov-17	21:04:55

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Friday, December 01, 2017 08:29:35 Pacific Standard Time
Printed: Friday, December 01, 2017 08:48:42 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
66	171130M1_66	1701663-09 TRUAX-08-SB01-110717-0.5-1.0 ...	30-Nov-17	21:16:06
67	171130M1_67	1701663-10 TRUAX-08-SB01-110717-5.0-5.5 ...	30-Nov-17	21:27:17
68	171130M1_68	1701663-11 TRUAX-06-SB03-4.5-5.5 1.27	30-Nov-17	21:38:27
69	171130M1_69	1701663-12 TRUAX-06-SB03-7.0-7.5 1.21	30-Nov-17	21:49:38
70	171130M1_70	1701663-13 TRUAX-06-SB02-0.5-1.0 1.2	30-Nov-17	22:00:49
71	171130M1_71	1701663-14 TRUAX-06-SB02-110717-4.5-5.0 ...	30-Nov-17	22:12:00
72	171130M1_72	1701663-15 TRUAX-09-SB03-110717-3.5-4.0 ...	30-Nov-17	22:23:10
73	171130M1_73	1701663-16 TRUAX-09-SB03-110717-6.5-7.0 ...	30-Nov-17	22:34:21
74	171130M1_74	IPA	30-Nov-17	22:45:32
75	171130M1_75	ST171130M1-5 PFC CS3 17K2810	30-Nov-17	22:56:43
76	171130M1_76	IPA	30-Nov-17	23:07:53
77	171130M1_77	1701663-17 TRUAX-07-SB03-110717-0.5-1.0 ...	30-Nov-17	23:19:04
78	171130M1_78	1701663-18 TRUAX-07-SB03-110717-5.0-5.5 ...	30-Nov-17	23:30:14
79	171130M1_79	1701663-19 TRUAX-07-SB02-110717-0.5-1.0 ...	30-Nov-17	23:41:25
80	171130M1_80	1701663-20 TRUAX-07-SB02-110717-4.5-5.0 ...	30-Nov-17	23:52:36
81	171130M1_81	IPA	01-Dec-17	00:03:47
82	171130M1_82	ST171130M1-6 PFC CS3 17K2810	01-Dec-17	00:14:58
83	171130M1_83	IPA	01-Dec-17	00:26:08

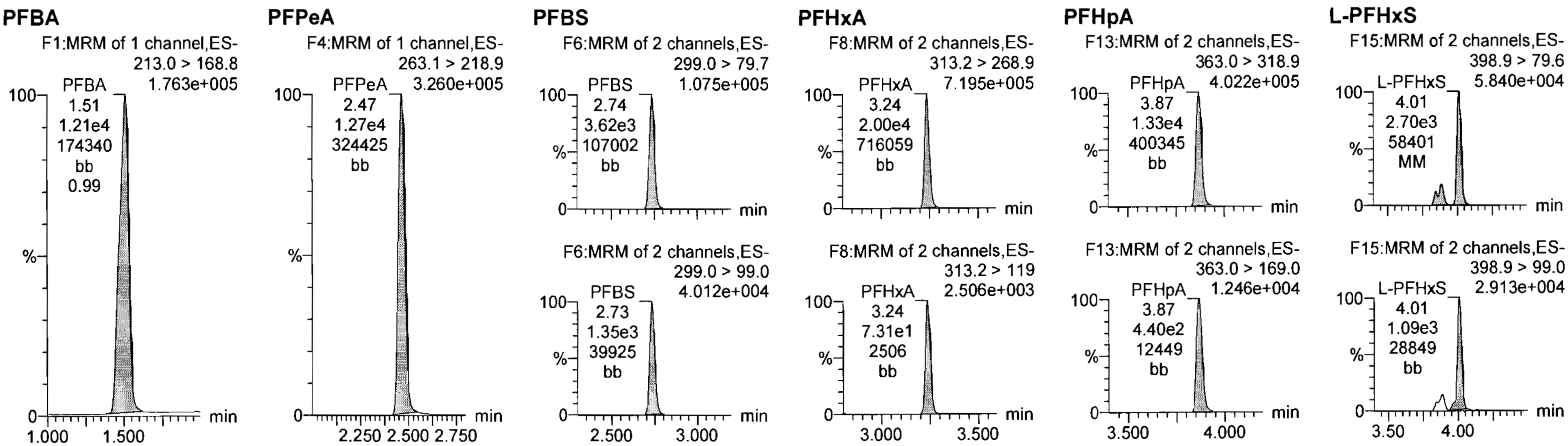
Quantify Sample Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

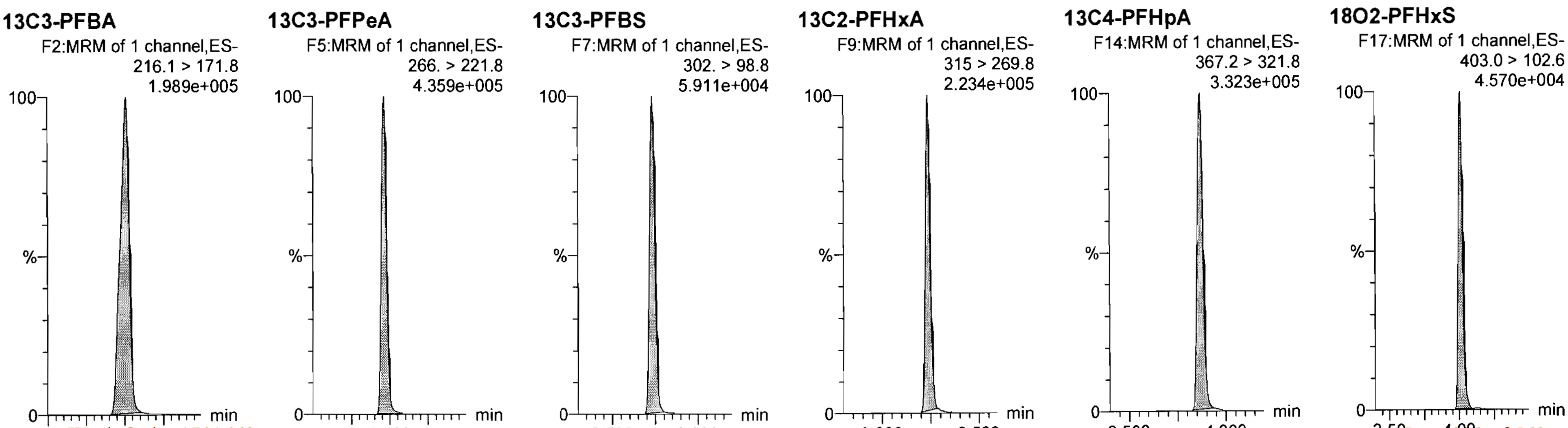
Dataset: U:\Q4.PRO\results\171130M1\171130M1-40.qld

Last Altered: Thursday, November 30, 2017 19:36:44 Pacific Standard Time
Printed: Friday, December 01, 2017 08:13:18 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_112917.mdb 29 Nov 2017 15:16:56
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-29-17_FULL.cdb 29 Nov 2017 15:34:31

Name: 171130M1_40, Date: 30-Nov-2017, Time: 16:25:20, ID: ST171130M1-3 PFC CS3 17K2810, Description: PFC CS3 17K2810

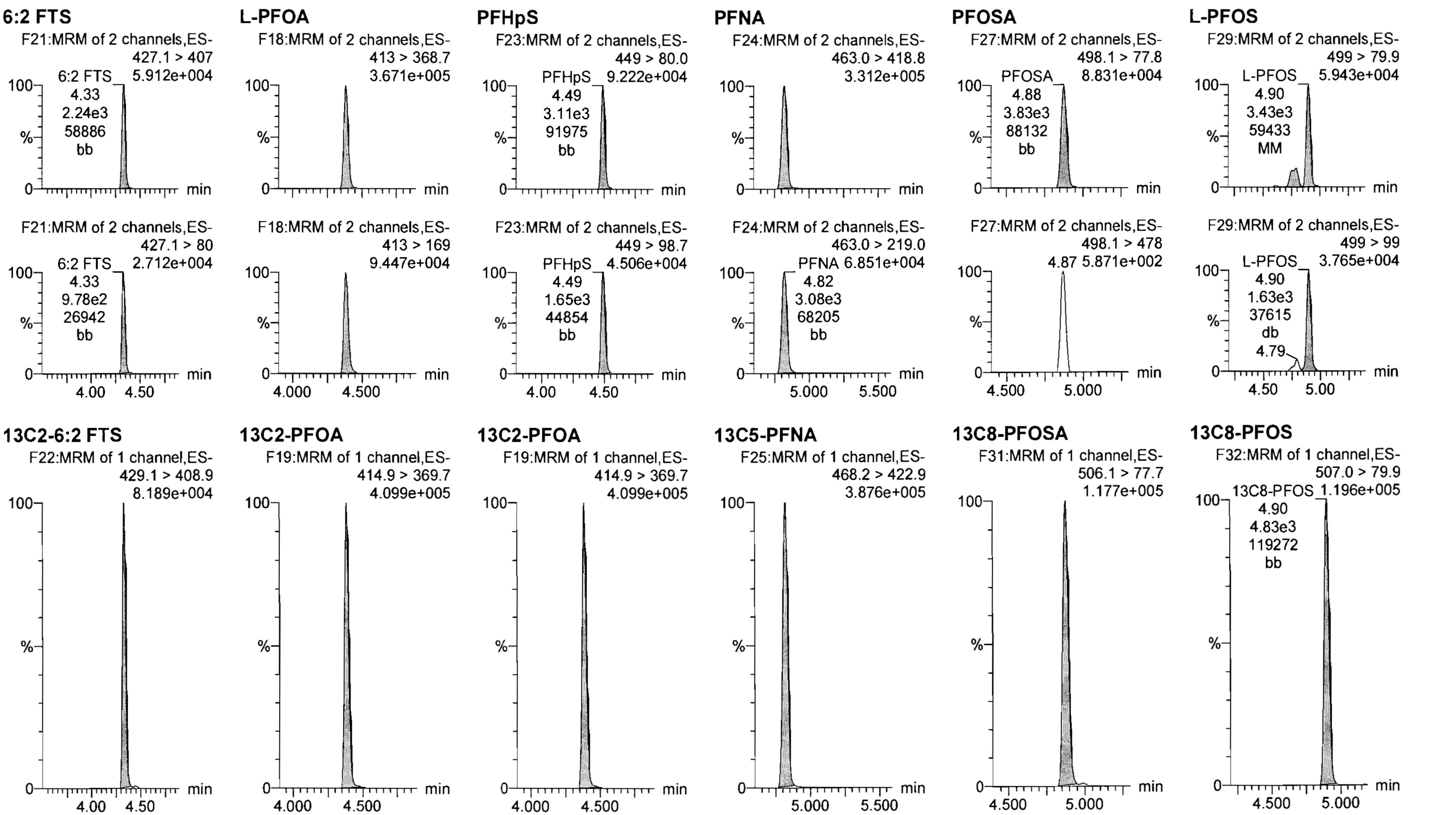




Dataset: U:\Q4.PRO\results\171130M1\171130M1-40.qld

Last Altered: Thursday, November 30, 2017 19:36:44 Pacific Standard Time
Printed: Friday, December 01, 2017 08:13:18 Pacific Standard Time

Name: 171130M1_40, Date: 30-Nov-2017, Time: 16:25:20, ID: ST171130M1-3 PFC CS3 17K2810, Description: PFC CS3 17K2810

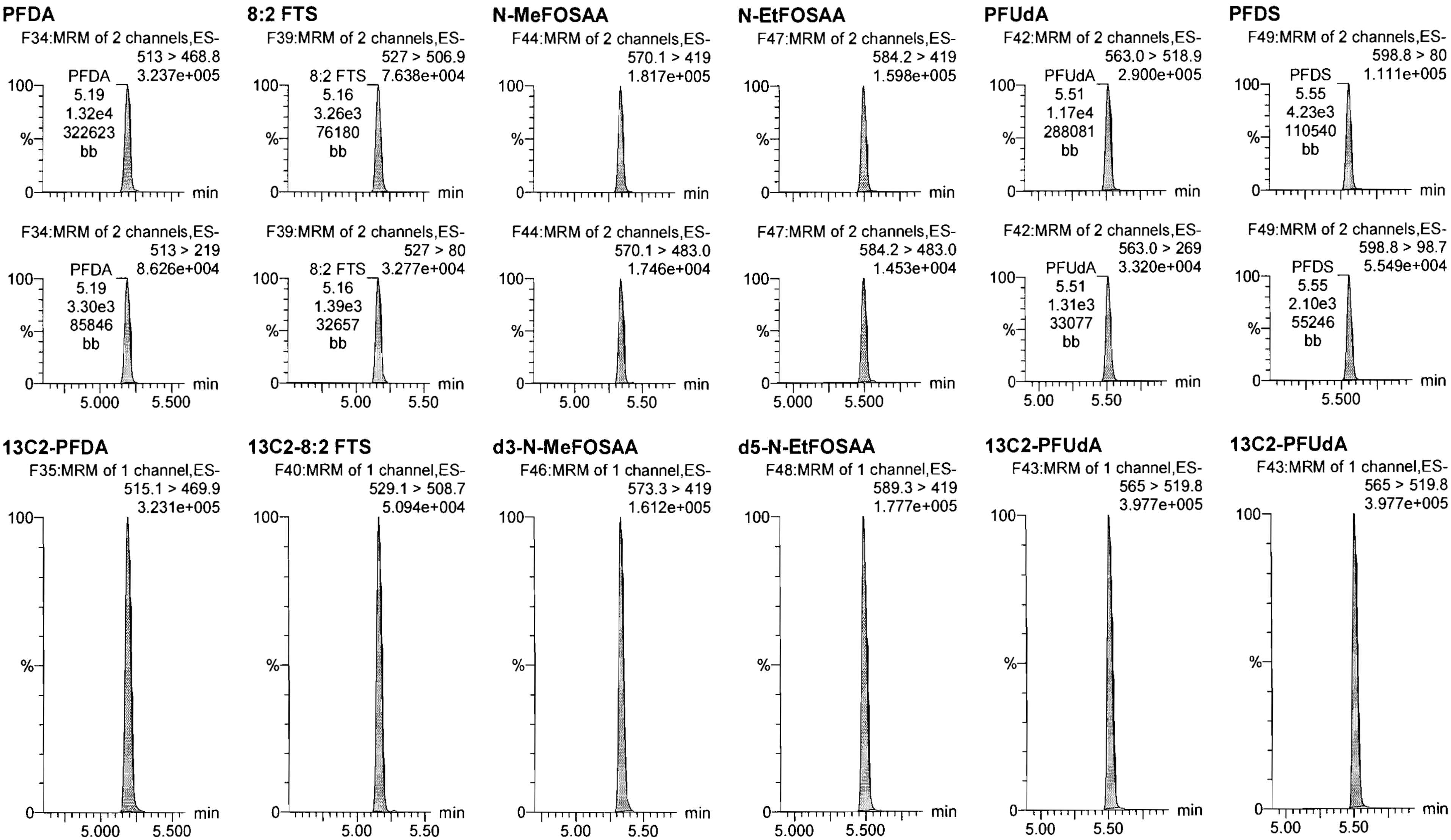


Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-40.qld

Last Altered: Thursday, November 30, 2017 19:36:44 Pacific Standard Time
Printed: Friday, December 01, 2017 08:13:18 Pacific Standard Time

Name: 171130M1_40, Date: 30-Nov-2017, Time: 16:25:20, ID: ST171130M1-3 PFC CS3 17K2810, Description: PFC CS3 17K2810

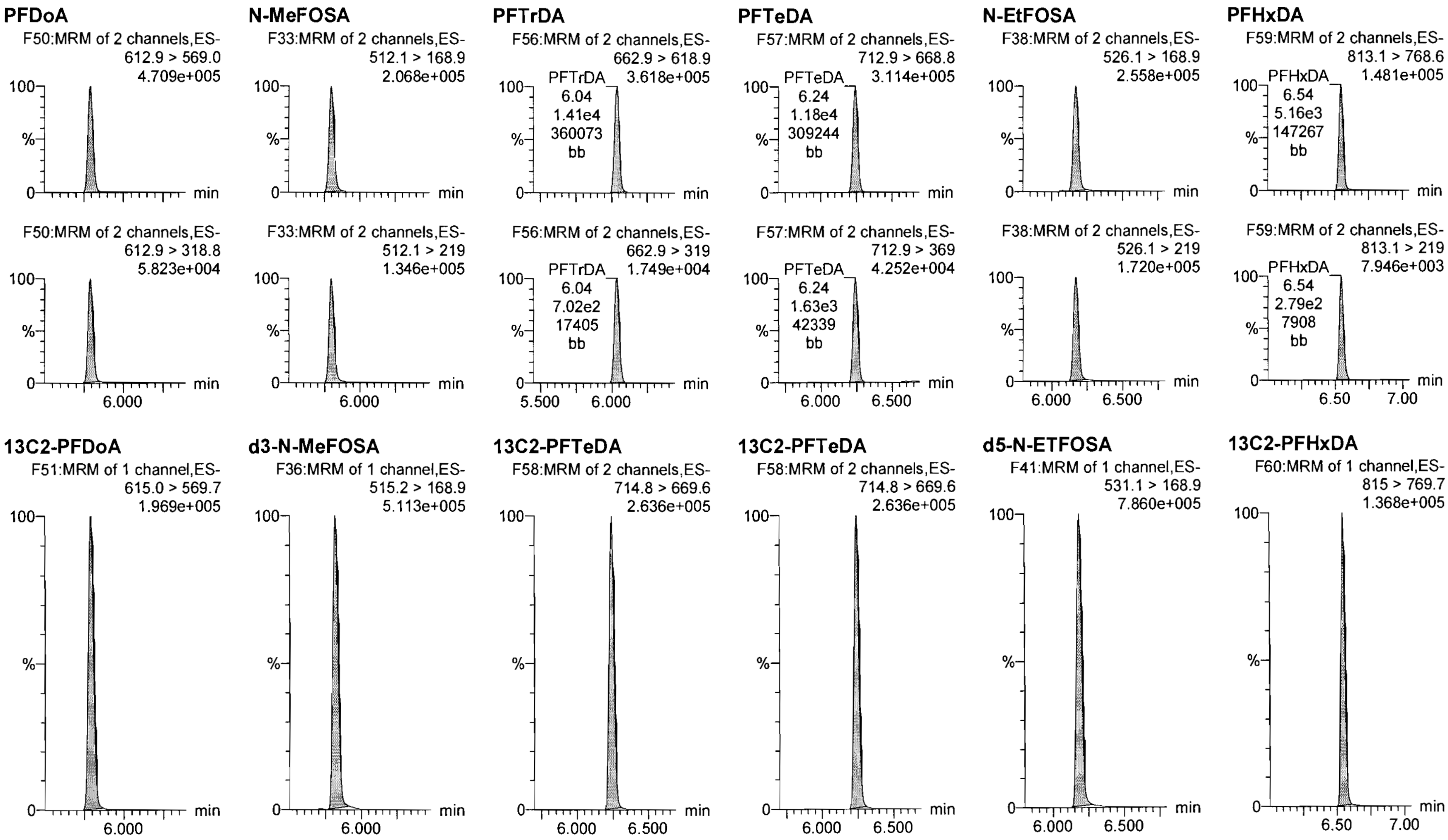


Quantify Sample Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-40.qld

Last Altered: Thursday, November 30, 2017 19:36:44 Pacific Standard Time
Printed: Friday, December 01, 2017 08:13:18 Pacific Standard Time

Name: 171130M1_40, Date: 30-Nov-2017, Time: 16:25:20, ID: ST171130M1-3 PFC CS3 17K2810, Description: PFC CS3 17K2810



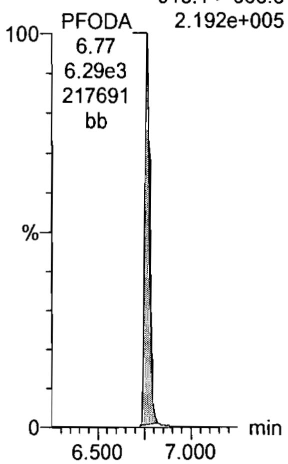
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-40.qld

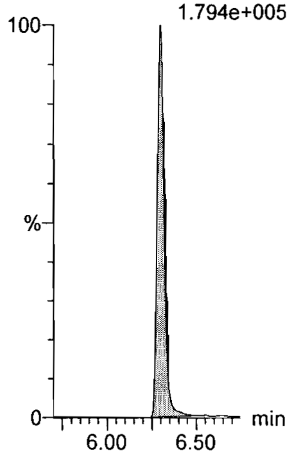
Last Altered: Thursday, November 30, 2017 19:36:44 Pacific Standard Time
Printed: Friday, December 01, 2017 08:13:18 Pacific Standard Time

Name: 171130M1_40, Date: 30-Nov-2017, Time: 16:25:20, ID: ST171130M1-3 PFC CS3 17K2810, Description: PFC CS3 17K2810

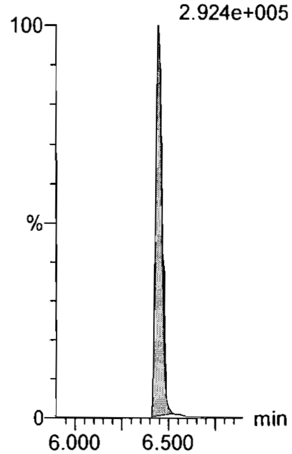
PFODA
F61:MRM of 1 channel,ES-
913.1 > 868.8
2.192e+005



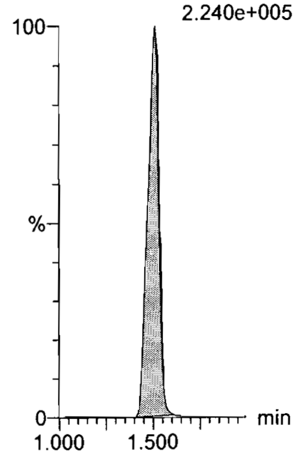
N-MeFOSE
F52:MRM of 1 channel,ES-
616.1 > 58.9
1.794e+005



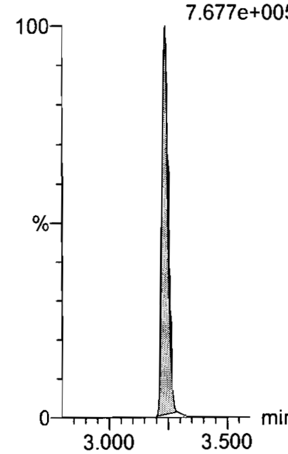
N-EtFOSE
F54:MRM of 1 channel,ES-
630.1 > 58.9
2.924e+005



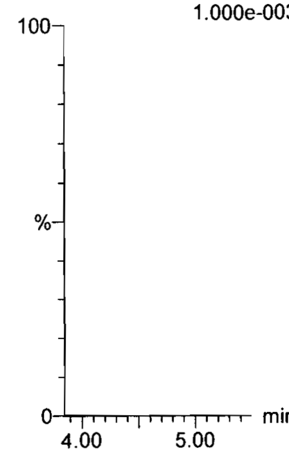
13C4-PFBA
F3:MRM of 1 channel,ES-
217. > 171.8
2.240e+005



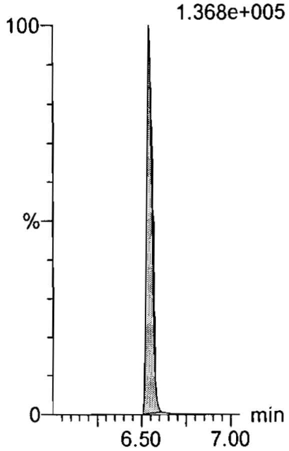
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
7.677e+005



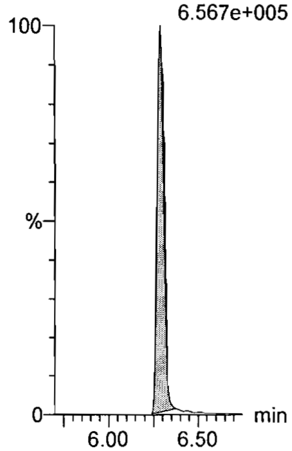
TCDA
F28:MRM of 3 channels,ES-
-
498.3 > 106.9
1.000e-003



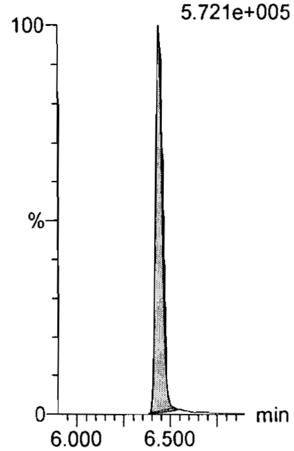
13C2-PFHxDA
F60:MRM of 1 channel,ES-
815 > 769.7
1.368e+005



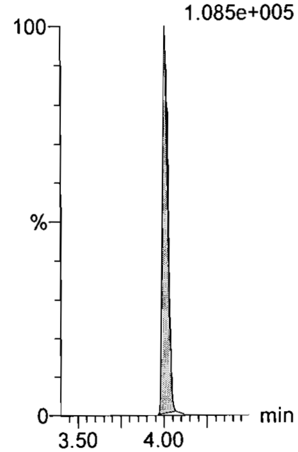
d7-N-MeFOSE
F53:MRM of 1 channel,ES-
623.1 > 58.9
6.567e+005



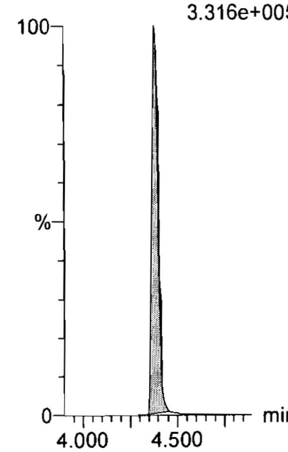
d9-N-EtFOSE
F55:MRM of 1 channel,ES-
639.2 > 58.8
5.721e+005



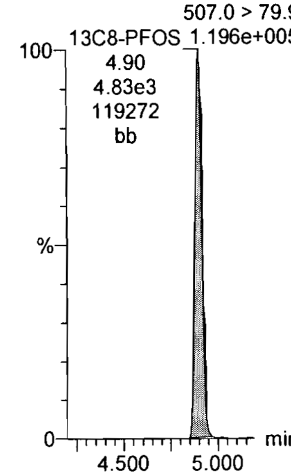
13C3-PFHxS
F16:MRM of 1 channel,ES-
401.9 > 79.9
1.085e+005



13C8-PFOA
F20:MRM of 1 channel,ES-
421.3 > 376
3.316e+005



13C8-PFOS
F32:MRM of 1 channel,ES-
507.0 > 79.9
1.196e+005

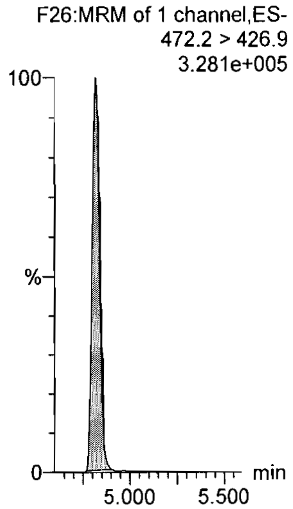


Dataset: U:\Q4.PRO\results\171130M1\171130M1-40.qld

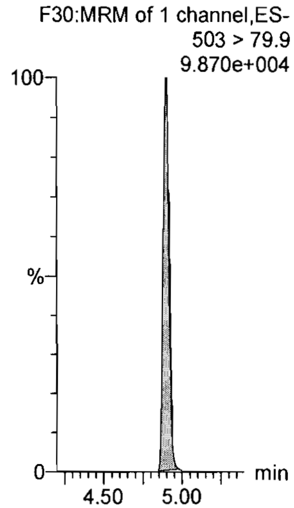
Last Altered: Thursday, November 30, 2017 19:36:44 Pacific Standard Time
Printed: Friday, December 01, 2017 08:13:18 Pacific Standard Time

Name: 171130M1_40, Date: 30-Nov-2017, Time: 16:25:20, ID: ST171130M1-3 PFC CS3 17K2810, Description: PFC CS3 17K2810

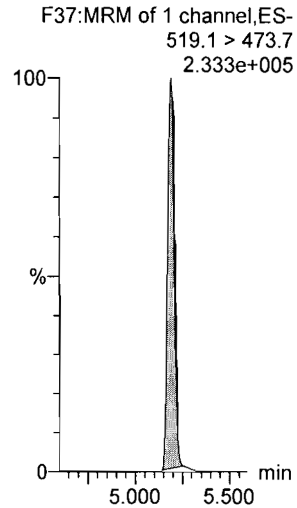
13C9-PFNA



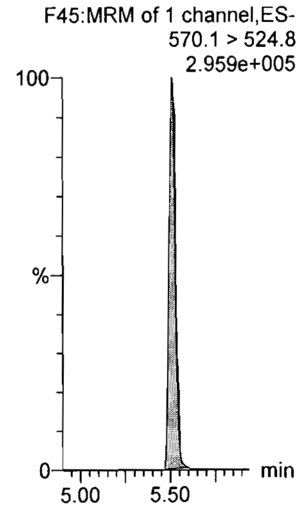
13C4-PFOS



13C6-PFDA



13C7-PFUdA



Dataset: U:\Q4.PRO\results\171130M1\171130M1-62.qld

Last Altered: Friday, December 01, 2017 08:09:58 Pacific Standard Time
Printed: Friday, December 01, 2017 08:11:08 Pacific Standard Time

AC 12/1/17
AC 12/1/17
JA 12/01/2017

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_112917.mdb 29 Nov 2017 15:16:56
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-29-17_FULL.cdb 29 Nov 2017 15:34:31

Name: 171130M1_62, Date: 30-Nov-2017, Time: 20:31:23, ID: ST171130M1-4 PFC CS0 17K2808, Description: PFC CS0 17K2808

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	
1	1 PFBA	213.0 > 168.8	1.49e3	1.62e4	1.0000		1.66	1.48	1.15	0.955	95.5	70-130
2	2 PFPeA	263.1 > 218.9	1.62e3	1.88e4	1.0000		2.63	2.44	1.08	1.029	102.9	
3	3 PFBS	299.0 > 79.7	4.34e2	2.40e3	1.0000		2.90	2.72	2.27	1.029	102.9	
4	4 PFHxA	313.2 > 268.9	2.37e3	7.42e3	1.0000		3.40	3.21	1.60	1.045	104.5	
5	5 PFHpA	363.0 > 318.9	1.81e3	1.42e4	1.0000		4.03	3.84	1.59	1.134	113.4	
6	6 L-PFHxS	398.9 > 79.6	3.10e2	2.06e3	1.0000		4.19	4.00	1.88	0.981	98.1	
7	8 6:2 FTS	427.1 > 407	3.64e2	3.94e3	1.0000		4.49	4.31	1.15	0.926	92.6	
8	9 L-PFOA	413 > 368.7	1.88e3	1.73e4	1.0000		4.26	4.36	1.36	1.097	109.7	
9	11 PFHpS	449 > 80.0	3.67e2	1.73e4	1.0000		4.65	4.48	0.266	0.867	86.7	
10	12 PFNA	463.0 > 418.8	1.89e3	1.81e4	1.0000		5.00	4.80	1.31	1.074	107.4	
11	13 PFOSA	498.1 > 77.8	5.10e2	6.09e3	1.0000		5.02	4.86	1.05	1.200	120.0	
12	14 L-PFOS	499 > 79.9	4.28e2	5.57e3	1.0000		5.08	4.88	0.962	0.938	93.8	
13	16 PFDA	513 > 468.8	1.78e3	1.91e4	1.0000		5.34	5.17	1.16	1.166	116.6	
14	17 8:2 FTS	527 > 506.9	3.04e2	1.68e3	1.0000		5.35	5.15	2.25	0.934	93.4	
15	18 N-MeFOSAA	570.1 > 419	8.71e2	7.42e3	1.0000		5.49	5.33	1.47	0.942	94.2	
16	19 N-EtFOSAA	584.2 > 419	6.24e2	7.82e3	1.0000		5.64	5.48	0.998	0.899	89.9	
17	20 PFUdA	563.0 > 518.9	1.86e3	1.74e4	1.0000		5.66	5.50	1.33	1.008	100.8	
18	21 PFDS	598.8 > 80	5.50e2	1.74e4	1.0000		5.73	5.55	0.394	1.196	119.6	
19	22 PFDoA	612.9 > 569.0	2.18e3	8.30e3	1.0000		5.94	5.78	3.28	0.961	96.1	
20	23 N-MeFOSA	512.1 > 168.9	1.05e3	2.61e4	1.0000		5.85	5.78	6.03	5.744	114.9	
21	24 PFTrDA	662.9 > 618.9	1.76e3	8.30e3	1.0000		6.18	6.03	2.66	0.965	96.5	
22	25 PFTeDA	712.9 > 668.8	1.24e3	1.19e4	1.0000		6.37	6.24	1.30	1.001	100.1	
23	26 N-EtFOSA	526.1 > 168.9	1.30e3	3.92e4	1.0000		6.21	6.16	4.96	5.030	100.6	
24	27 PFHxDA	813.1 > 768.6	6.25e2	4.96e3	1.0000		6.66	6.54	0.629	1.018	101.8	
25	28 PFODA	913.1 > 868.8	6.60e2	4.96e3	1.0000		6.87	6.77	0.665	0.939	93.9	
26	29 N-MeFOSE	616.1 > 58.9	1.05e3	3.37e4	1.0000		6.30	6.31	4.66	4.860	97.2	
27	30 N-EtFOSE	630.1 > 58.9	1.27e3	4.25e4	1.0000		6.42	6.46	4.48	3.631	72.6	
28	31 13C3-PFBA	216.1 > 171.8	1.62e4	1.79e4	1.0000	0.861	1.66	1.48	11.3	13.127	105.0	50-150
29	32 13C3-PFPeA	266. > 221.8	1.88e4	2.50e4	1.0000	0.757	2.63	2.44	9.39	12.392	99.1	
30	33 13C3-PFBS	302. > 98.8	2.40e3	2.50e4	1.0000	0.094	2.90	2.72	1.20	12.732	101.9	
31	34 13C2-PFHxA	315 > 269.8	7.42e3	2.50e4	1.0000	0.738	3.40	3.21	3.70	5.021	100.4	

Dataset: U:\Q4.PRO\results\171130M1\171130M1-62.qld

Last Altered: Friday, December 01, 2017 08:09:58 Pacific Standard Time
Printed: Friday, December 01, 2017 08:11:08 Pacific Standard Time

Name: 171130M1_62, Date: 30-Nov-2017, Time: 20:31:23, ID: ST171130M1-4 PFC CS0 17K2808, Description: PFC CS0 17K2808

	#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	35	13C4-PFHpA	367.2 > 321.8	1.42e4	2.50e4	1.0000	0.580	4.03	3.85	7.09	12.232	97.9
33	36	18O2-PFHxS	403.0 > 102.6	2.06e3	4.97e3	1.0000	0.438	4.17	3.99	5.18	11.830	94.6
34	37	13C2-6:2 FTS	429.1 > 408.9	3.94e3	1.73e4	1.0000	0.279	4.49	4.31	2.84	10.207	81.7
35	38	13C2-PFOA	414.9 > 369.7	1.73e4	1.73e4	1.0000	0.912	4.54	4.36	12.4	13.655	109.2
36	39	13C5-PFNA	468.2 > 422.9	1.81e4	2.09e4	1.0000	0.944	4.97	4.80	10.8	11.473	91.8
37	40	13C8-PFOSA	506.1 > 77.7	6.09e3	1.51e4	1.0000	0.444	5.02	4.85	5.05	11.373	91.0
38	41	13C8-PFOS	507.0 > 79.9	5.57e3	4.57e3	1.0000	1.038	5.05	4.88	15.2	14.659	117.3
39	42	13C2-PFDA	515.1 > 469.9	1.91e4	1.27e4	1.0000	2.003	5.34	5.17	18.9	9.421	75.4
40	43	13C2-8:2 FTS	529.1 > 508.7	1.68e3	2.50e4	1.0000	0.095	5.32	5.15	0.841	8.839	70.7
41	44	d3-N-MeFOSAA	573.3 > 419	7.42e3	1.51e4	1.0000	0.497	5.49	5.32	6.15	12.382	99.1
42	45	d5-N-EtFOSAA	589.3 > 419	7.82e3	1.51e4	1.0000	0.548	5.64	5.48	6.48	11.827	94.6
43	46	13C2-PFUdA	565 > 519.8	1.74e4	1.51e4	1.0000	1.135	5.66	5.50	14.5	12.728	101.8
44	47	13C2-PFDoA	615.0 > 569.7	8.30e3	1.51e4	1.0000	0.606	5.94	5.78	6.89	11.360	90.9
45	48	d3-N-MeFOSA	515.2 > 168.9	2.61e4	1.51e4	1.0000	0.144	5.85	5.80	21.6	149.558	99.7
46	49	13C2-PFTeDA	714.8 > 669.6	1.19e4	1.51e4	1.0000	0.769	6.37	6.24	9.87	12.839	102.7
47	50	d5-N-ETFOSA	531.1 > 168.9	3.92e4	1.51e4	1.0000	0.206	6.21	6.17	32.5	157.784	105.2
48	51	13C2-PFHxDA	815 > 769.7	4.96e3	1.51e4	1.0000	0.845	6.66	6.54	4.12	4.872	97.4
49	52	d7-N-MeFOSE	623.1 > 58.9	3.37e4	1.51e4	1.0000	0.190	6.30	6.30	28.0	147.251	98.2
50	53	d9-N-EtFOSE	639.2 > 58.8	4.25e4	1.51e4	1.0000	0.189	6.42	6.45	35.3	186.662	124.4
51	54	13C4-PFBA	217. > 171.8	1.79e4	1.79e4	1.0000	1.000	1.66	1.48	12.5	12.500	100.0
52	55	13C5-PFHxA	318 > 272.9	2.50e4	2.50e4	1.0000	1.000	3.40	3.21	12.5	12.500	100.0
53	56	13C3-PFHxS	401.9 > 79.9	4.97e3	4.97e3	1.0000	1.000	4.17	3.99	12.5	12.500	100.0
54	57	13C8-PFOA	421.3 > 376	1.73e4	1.73e4	1.0000	1.000	4.54	4.36	12.5	12.500	100.0
55	58	13C9-PFNA	472.2 > 426.9	2.09e4	2.09e4	1.0000	1.000	4.97	4.81	12.5	12.500	100.0
56	59	13C4-PFOS	503 > 79.9	4.57e3	4.57e3	1.0000	1.000	5.05	4.88	12.5	12.500	100.0
57	60	13C6-PFDA	519.1 > 473.7	1.27e4	1.27e4	1.0000	1.000	5.34	5.17	12.5	12.500	100.0
58	61	13C7-PFUdA	570.1 > 524.8	1.51e4	1.51e4	1.0000	1.000	5.66	5.50	12.5	12.500	100.0

50-150

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Dataset: Untitled

Last Altered: Friday, December 01, 2017 08:29:35 Pacific Standard Time
Printed: Friday, December 01, 2017 08:48:42 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_112917.mdb 29 Nov 2017 15:16:56
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-29-17_FULL.cdb 29 Nov 2017 15:34:31

Compound name: PFBA

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1	171130M1_1	IPA	30-Nov-17	09:07:57
2	171130M1_2	ST171130M1-1 PFC CS0 17K2808	30-Nov-17	09:19:04
3	171130M1_3	IPA	30-Nov-17	09:30:16
4	171130M1_4	B7K0110-BS1 OPR 0.125	30-Nov-17	09:41:26
5	171130M1_5	B7K0110-BSD1 LCS Dup 0.125	30-Nov-17	09:54:08
6	171130M1_6	B7K0137-BS1 OPR 0.125	30-Nov-17	10:05:16
7	171130M1_7	B7K0137-BSD1 LCS Dup 0.125	30-Nov-17	10:16:28
8	171130M1_8	IPA	30-Nov-17	10:27:38
9	171130M1_9	B7K0110-BLK1 Method Blank 0.125	30-Nov-17	10:38:49
10	171130M1_10	B7K0137-BLK1 Method Blank 0.125	30-Nov-17	10:49:59
11	171130M1_11	1701619-02 STWRT-06SB03-0.2-0.7 1.45	30-Nov-17	11:01:10
12	171130M1_12	1701566-19RE1 AFFF-FFTA-SED-SW/SED5-...	30-Nov-17	11:12:21
13	171130M1_13	1701735-01 MSP-BW-111617 0.1184	30-Nov-17	11:23:31
14	171130M1_14	1701634-13@5X ESHEP-SW-DUP01-110617 ...	30-Nov-17	11:34:42
15	171130M1_15	1701633-03 ESHEP-04-SB01-0-2 1.23	30-Nov-17	11:45:52
16	171130M1_16	1701633-05 ESHEP-04-SB02-0-2 1.2	30-Nov-17	11:57:04
17	171130M1_17	1701633-08 ESHEP-04-SB03-13-15 1.35	30-Nov-17	12:08:14
18	171130M1_18	IPA	30-Nov-17	12:19:25
19	171130M1_19	B7K0085-MS1 Matrix Spike 0.12635	30-Nov-17	12:30:36
20	171130M1_20	B7K0085-MSD1 Matrix Spike Dup 0.12326	30-Nov-17	12:41:47
21	171130M1_21	IPA	30-Nov-17	12:52:57
22	171130M1_22	1701662-01 TRUAX-BB-TWBB01-110817 0.1...	30-Nov-17	13:04:08
23	171130M1_23	1701662-02 TRUAX-BB-GW-DUP0101-11081...	30-Nov-17	13:15:18
24	171130M1_24	1701662-03 TRUAX-06-TW06-110617 0.11787	30-Nov-17	13:26:29
25	171130M1_25	IPA	30-Nov-17	13:37:39
26	171130M1_26	ST171130M1-2 PFC CS3 17K2810	30-Nov-17	13:48:50
27	171130M1_27	IPA	30-Nov-17	14:00:01
28	171130M1_28	1701662-04 TRUAX-01-TW01-110817 0.12211	30-Nov-17	14:11:12
29	171130M1_29	1701662-05 TRUAX-03-TW03-110817 0.12109	30-Nov-17	14:22:23
30	171130M1_30	1701662-06 TRUAX-07-TW07-110817 0.11822	30-Nov-17	14:33:33
31	171130M1_31	1701662-07 TRUAX-02-TW02-110817 0.12754	30-Nov-17	14:44:44

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Dataset: Untitled

Last Altered: Friday, December 01, 2017 08:29:35 Pacific Standard Time
Printed: Friday, December 01, 2017 08:48:42 Pacific Standard Time

Compound name: PFBA

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32	171130M1_32	1701662-08 TRUAX-08-TW08-110817 0.11855	30-Nov-17	14:55:55
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34	171130M1_34	1701662-10 TRUAX-BB-TWBB03-110917 0.1...	30-Nov-17	15:18:16
35	171130M1_35	1701662-11 TRUAX-09-TW09-110917 0.11447	30-Nov-17	15:29:27
36	171130M1_36	1701662-12 TRUAX-04-TW04-110917 0.12418	30-Nov-17	15:40:38
37	171130M1_37	1701662-13 TRUAX-05-TW05-110917 0.11422	30-Nov-17	15:51:48
38	171130M1_38	1701662-14 TRUAX-EB-110617 0.11648	30-Nov-17	16:02:59
39	171130M1_39	IPA	30-Nov-17	16:14:10
40	171130M1_40	ST171130M1-3 PFC CS3 17K2810	30-Nov-17	16:25:20
41	171130M1_41	IPA	30-Nov-17	16:36:31
42	171130M1_42	1701649-01 STWRT-12SD02-0.0-0.5 1.11	30-Nov-17	16:47:45
43	171130M1_43	1701649-03 STWRT-SD-DUP-001-110617 1.21	30-Nov-17	16:58:53
44	171130M1_44	B7K0137-BS1 OPR 0.125	30-Nov-17	17:10:04
45	171130M1_45	B7K0137-BSD1 LCS Dup 0.125	30-Nov-17	17:21:14
46	171130M1_46	IPA	30-Nov-17	17:32:25
47	171130M1_47	B7K0137-BLK1 Method Blank 0.125	30-Nov-17	17:43:35
48	171130M1_48	1701735-01 MSP-BW-111617 0.1184	30-Nov-17	17:54:46
49	171130M1_49	IPA	30-Nov-17	18:05:57
50	171130M1_50	B7K0168-BS1 OPR 1	30-Nov-17	18:17:09
51	171130M1_51	IPA	30-Nov-17	18:28:19
52	171130M1_52	B7K0168-BLK1 Method Blank 1	30-Nov-17	18:39:30
53	171130M1_53	B7K0168-MS1 Matrix Spike 1.16	30-Nov-17	18:50:41
54	171130M1_54	B7K0168-MSD1 Matrix Spike Dup 1.2	30-Nov-17	19:01:55
55	171130M1_55	1701663-01 TRUAX-07-SO-DUP2-110717 1.27	30-Nov-17	19:13:04
56	171130M1_56	1701663-02 TRUAX-07-SB01-110717-0.5-1.0 ...	30-Nov-17	19:24:15
57	171130M1_57	1701663-03 TRUAX-07-SB01-110717-4.5-5.0 ...	30-Nov-17	19:35:26
58	171130M1_58	1701663-04 TRUAX-08-SB03-110717-0.5-1.0 ...	30-Nov-17	19:46:44
59	171130M1_59	1701663-05 TRUAX-08-SB03-110717-4.5-5.0 ...	30-Nov-17	19:57:55
60	171130M1_60	1701663-06 TRUAX-08-SB02-110717-0.5-1.0 ...	30-Nov-17	20:09:02
61	171130M1_61	IPA	30-Nov-17	20:20:13
62	171130M1_62	ST171130M1-4 PFC CS0 17K2808	30-Nov-17	20:31:23
63	171130M1_63	IPA	30-Nov-17	20:42:34
64	171130M1_64	1701663-07 TRUAX-08-SO-DUP3-110717 1.13	30-Nov-17	20:53:44
65	171130M1_65	1701663-08 TRUAX-08-SB02-110717-5.0-5.5 ...	30-Nov-17	21:04:55

Dataset: Untitled

Last Altered: Friday, December 01, 2017 08:29:35 Pacific Standard Time
Printed: Friday, December 01, 2017 08:48:42 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
66	171130M1_66	1701663-09 TRUAX-08-SB01-110717-0.5-1.0 ...	30-Nov-17	21:16:06
67	171130M1_67	1701663-10 TRUAX-08-SB01-110717-5.0-5.5 ...	30-Nov-17	21:27:17
68	171130M1_68	1701663-11 TRUAX-06-SB03-4.5-5.5 1.27	30-Nov-17	21:38:27
69	171130M1_69	1701663-12 TRUAX-06-SB03-7.0-7.5 1.21	30-Nov-17	21:49:38
70	171130M1_70	1701663-13 TRUAX-06-SB02-0.5-1.0 1.2	30-Nov-17	22:00:49
71	171130M1_71	1701663-14 TRUAX-06-SB02-110717-4.5-5.0 ...	30-Nov-17	22:12:00
72	171130M1_72	1701663-15 TRUAX-09-SB03-110717-3.5-4.0 ...	30-Nov-17	22:23:10
73	171130M1_73	1701663-16 TRUAX-09-SB03-110717-6.5-7.0 ...	30-Nov-17	22:34:21
74	171130M1_74	IPA	30-Nov-17	22:45:32
75	171130M1_75	ST171130M1-5 PFC CS3 17K2810	30-Nov-17	22:56:43
76	171130M1_76	IPA	30-Nov-17	23:07:53
77	171130M1_77	1701663-17 TRUAX-07-SB03-110717-0.5-1.0 ...	30-Nov-17	23:19:04
78	171130M1_78	1701663-18 TRUAX-07-SB03-110717-5.0-5.5 ...	30-Nov-17	23:30:14
79	171130M1_79	1701663-19 TRUAX-07-SB02-110717-0.5-1.0 ...	30-Nov-17	23:41:25
80	171130M1_80	1701663-20 TRUAX-07-SB02-110717-4.5-5.0 ...	30-Nov-17	23:52:36
81	171130M1_81	IPA	01-Dec-17	00:03:47
82	171130M1_82	ST171130M1-6 PFC CS3 17K2810	01-Dec-17	00:14:58
83	171130M1_83	IPA	01-Dec-17	00:26:08

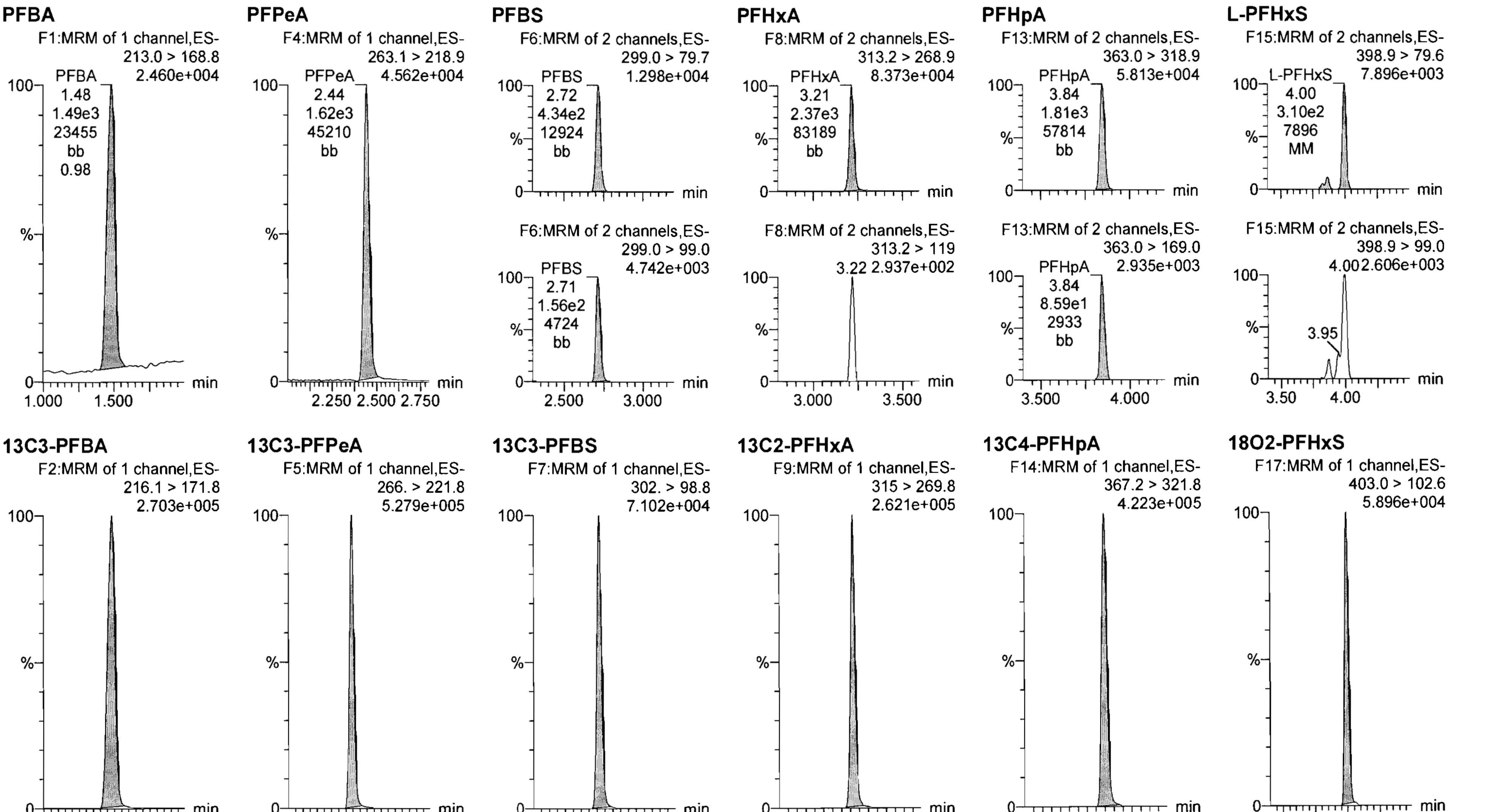
Quantify Sample Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-62.qld

Last Altered: Friday, December 01, 2017 08:09:58 Pacific Standard Time
Printed: Friday, December 01, 2017 08:11:08 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_112917.mdb 29 Nov 2017 15:16:56
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-29-17_FULL.cdb 29 Nov 2017 15:34:31

Name: 171130M1_62, Date: 30-Nov-2017, Time: 20:31:23, ID: ST171130M1-4 PFC CS0 17K2808, Description: PFC CS0 17K2808



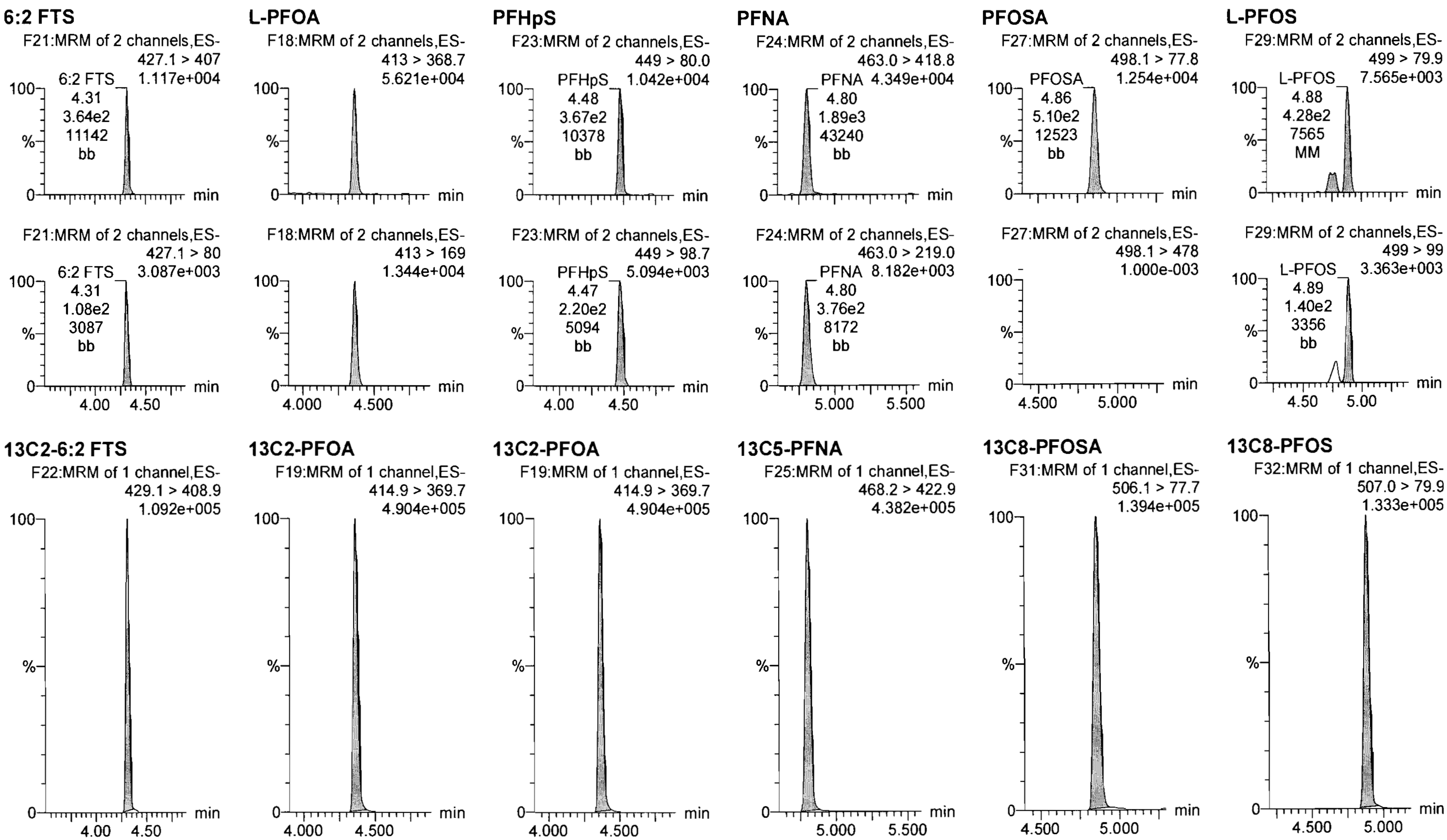
Quantify Sample Report **MassLynx MassLynx V4.1 SCN945 SCN960**

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-62.qld

Last Altered: Friday, December 01, 2017 08:09:58 Pacific Standard Time
Printed: Friday, December 01, 2017 08:11:08 Pacific Standard Time

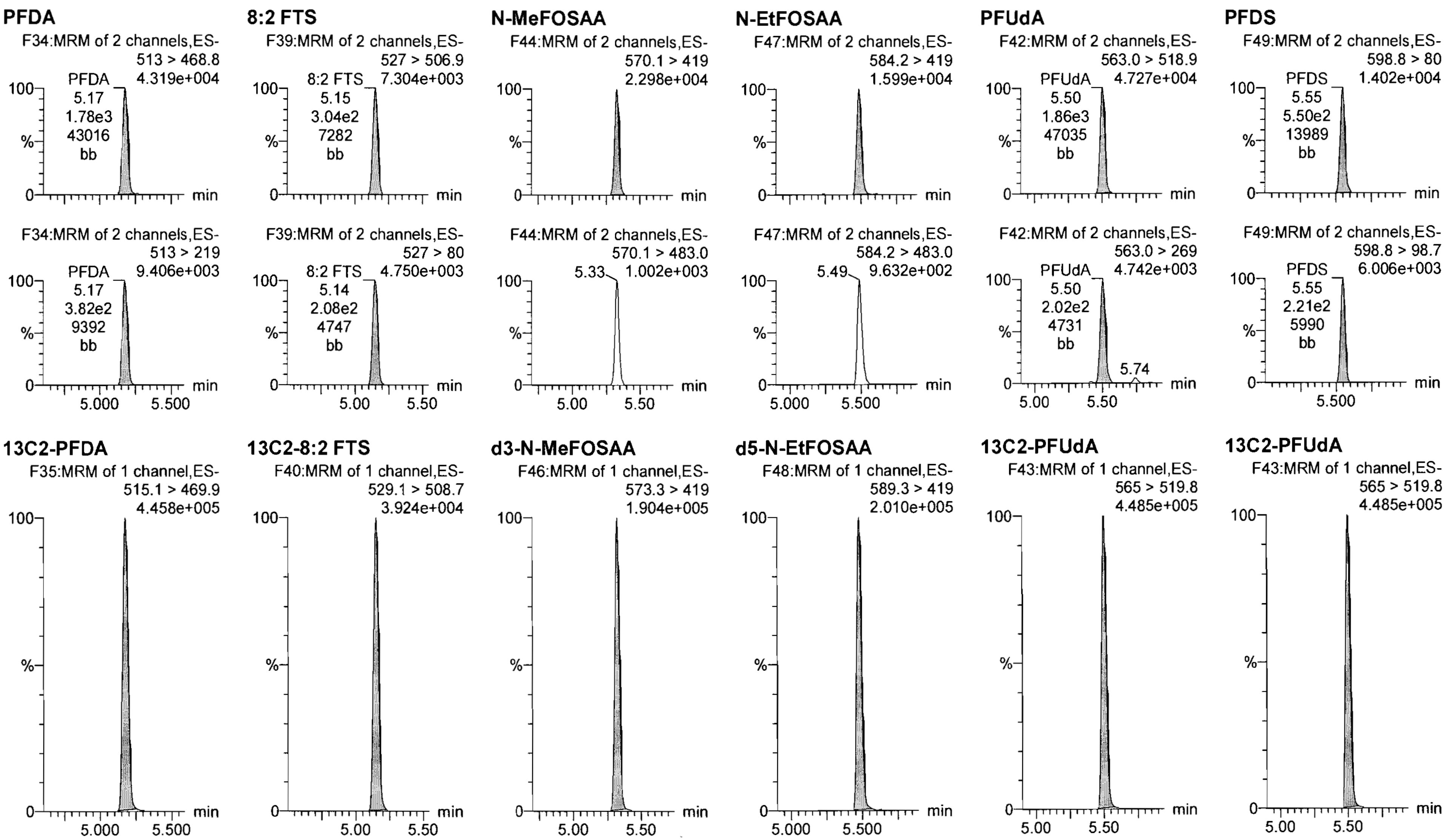
Name: 171130M1_62, Date: 30-Nov-2017, Time: 20:31:23, ID: ST171130M1-4 PFC CS0 17K2808, Description: PFC CS0 17K2808



Dataset: U:\Q4.PRO\results\171130M1\171130M1-62.qld

Last Altered: Friday, December 01, 2017 08:09:58 Pacific Standard Time
Printed: Friday, December 01, 2017 08:11:08 Pacific Standard Time

Name: 171130M1_62, Date: 30-Nov-2017, Time: 20:31:23, ID: ST171130M1-4 PFC CS0 17K2808, Description: PFC CS0 17K2808

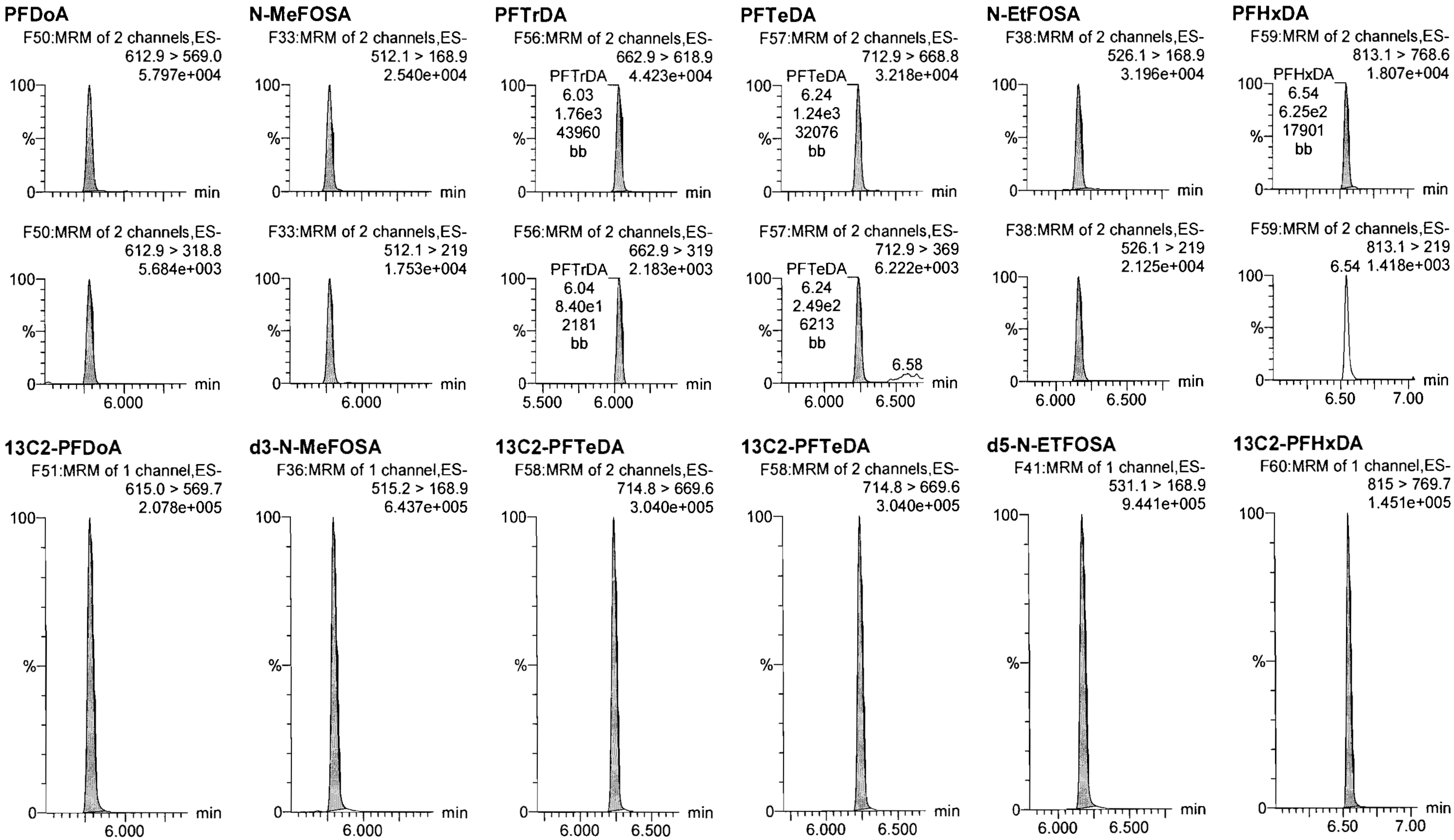


Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-62.qld

Last Altered: Friday, December 01, 2017 08:09:58 Pacific Standard Time
Printed: Friday, December 01, 2017 08:11:08 Pacific Standard Time

Name: 171130M1_62, Date: 30-Nov-2017, Time: 20:31:23, ID: ST171130M1-4 PFC CS0 17K2808, Description: PFC CS0 17K2808



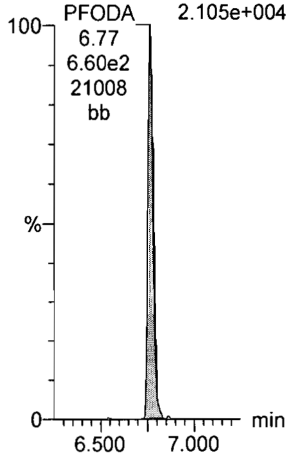
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-62.qld

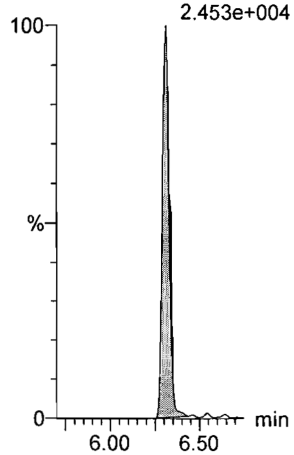
Last Altered: Friday, December 01, 2017 08:09:58 Pacific Standard Time
Printed: Friday, December 01, 2017 08:11:08 Pacific Standard Time

Name: 171130M1_62, Date: 30-Nov-2017, Time: 20:31:23, ID: ST171130M1-4 PFC CS0 17K2808, Description: PFC CS0 17K2808

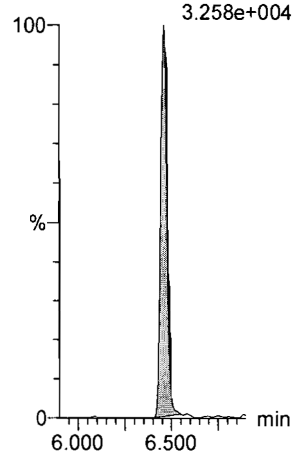
PFODA
F61:MRM of 1 channel,ES-
913.1 > 868.8
2.105e+004



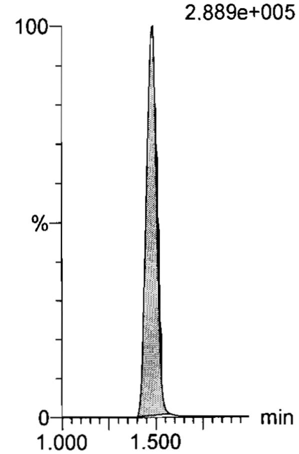
N-MeFOSE
F52:MRM of 1 channel,ES-
616.1 > 58.9
2.453e+004



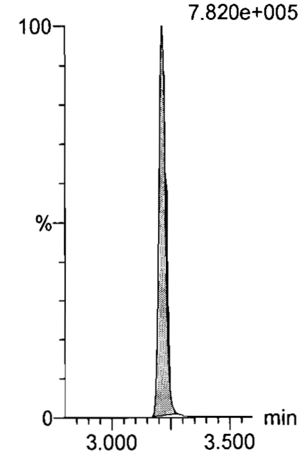
N-EtFOSE
F54:MRM of 1 channel,ES-
630.1 > 58.9
3.258e+004



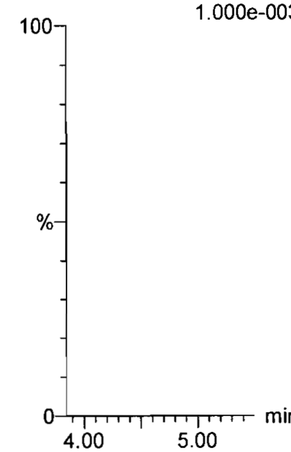
13C4-PFBA
F3:MRM of 1 channel,ES-
217. > 171.8
2.889e+005



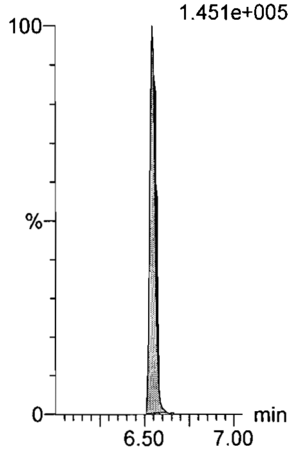
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
7.820e+005



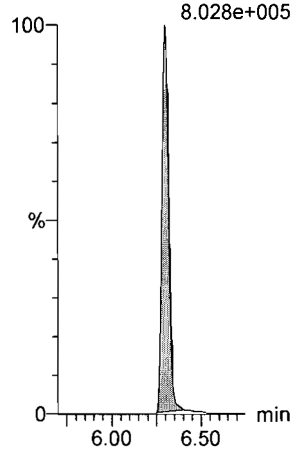
TCDA
F28:MRM of 3 channels,ES-
-
498.3 > 106.9
1.000e-003



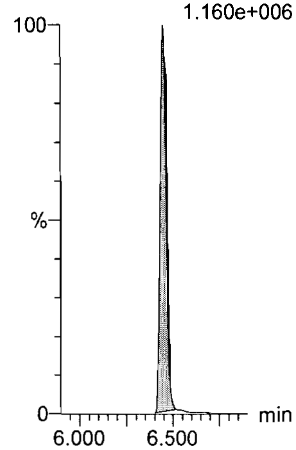
13C2-PFHxDA
F60:MRM of 1 channel,ES-
815 > 769.7
1.451e+005



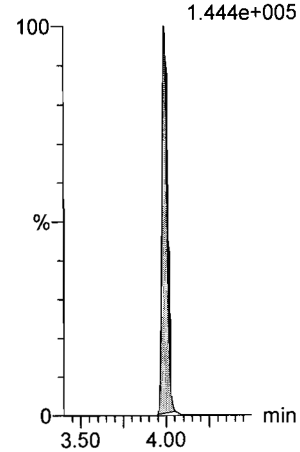
d7-N-MeFOSE
F53:MRM of 1 channel,ES-
623.1 > 58.9
8.028e+005



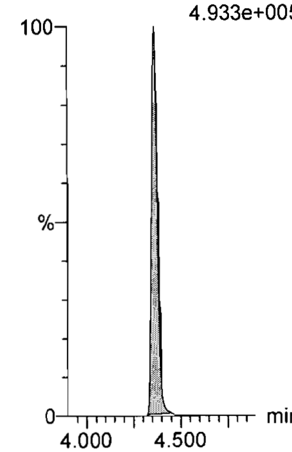
d9-N-EtFOSE
F55:MRM of 1 channel,ES-
639.2 > 58.8
1.160e+006



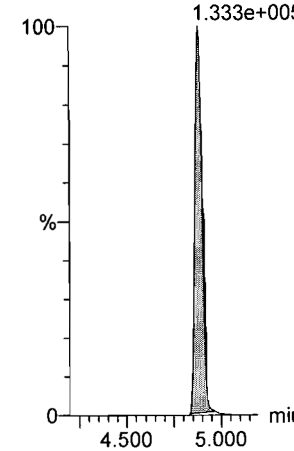
13C3-PFHxS
F16:MRM of 1 channel,ES-
401.9 > 79.9
1.444e+005



13C8-PFOA
F20:MRM of 1 channel,ES-
421.3 > 376
4.933e+005



13C8-PFOS
F32:MRM of 1 channel,ES-
507.0 > 79.9
1.333e+005

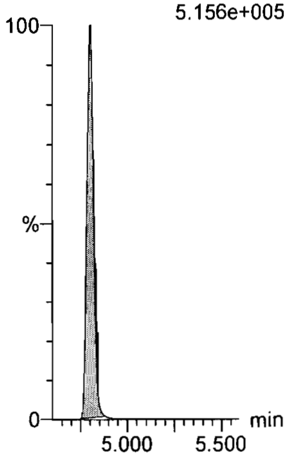


Dataset: U:\Q4.PRO\results\171130M1\171130M1-62.qld

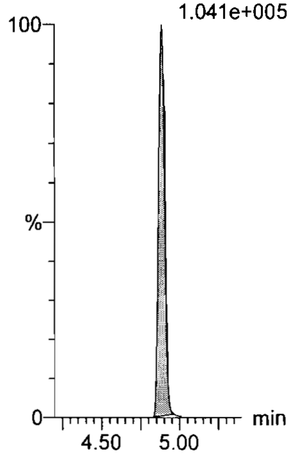
Last Altered: Friday, December 01, 2017 08:09:58 Pacific Standard Time
Printed: Friday, December 01, 2017 08:11:08 Pacific Standard Time

Name: 171130M1_62, Date: 30-Nov-2017, Time: 20:31:23, ID: ST171130M1-4 PFC CS0 17K2808, Description: PFC CS0 17K2808

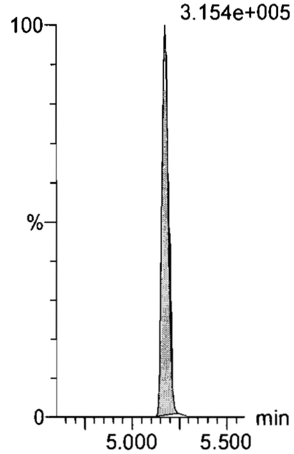
13C9-PFNA
F26:MRM of 1 channel,ES-
472.2 > 426.9
5.156e+005



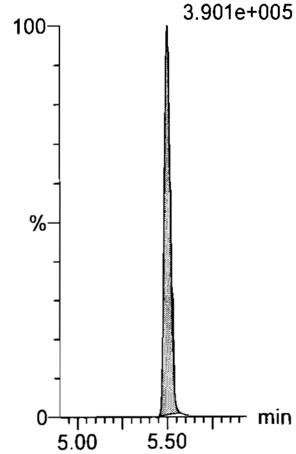
13C4-PFOS
F30:MRM of 1 channel,ES-
503 > 79.9
1.041e+005



13C6-PFDA
F37:MRM of 1 channel,ES-
519.1 > 473.7
3.154e+005



13C7-PFUdA
F45:MRM of 1 channel,ES-
570.1 > 524.8
3.901e+005



Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-75.qld

Ⓐ PFHxDA > 130% recovery

Last Altered: Friday, December 01, 2017 08:15:17 Pacific Standard Time
Printed: Friday, December 01, 2017 08:15:48 Pacific Standard Time

AC 12/1/17

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_112917.mdb 29 Nov 2017 15:16:56
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-29-17_FULL.cdb 29 Nov 2017 15:34:31

JA 12/01/2017

Name: 171130M1_75, Date: 30-Nov-2017, Time: 22:56:43, ID: ST171130M1-5 PFC CS3 17K2810, Description: PFC CS3 17K2810

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1 PFBA	213.0 > 168.8	1.45e4	1.57e4	1.0000		1.66	1.48	11.5	9.899	99.0
2	2 PFPeA	263.1 > 218.9	1.56e4	1.82e4	1.0000		2.63	2.44	10.7	10.667	106.7
3	3 PFBS	299.0 > 79.7	3.97e3	2.45e3	1.0000		2.90	2.71	20.2	9.391	93.9
4	4 PFHxA	313.2 > 268.9	2.17e4	7.73e3	1.0000		3.40	3.21	14.1	9.988	99.9
5	5 PFHpA	363.0 > 318.9	1.56e4	1.49e4	1.0000		4.03	3.84	13.1	10.005	100.1
6	6 L-PFHxS	398.9 > 79.6	3.15e3	1.82e3	1.0000		4.19	3.99	21.7	10.461	104.6
7	8 6:2 FTS	427.1 > 407	4.26e3	4.75e3	1.0000		4.49	4.31	11.2	9.293	92.9
8	9 L-PFOA	413 > 368.7	1.57e4	1.90e4	1.0000		4.26	4.36	10.3	10.187	101.9
9	11 PFHpS	449 > 80.0	3.97e3	1.90e4	1.0000		4.65	4.47	2.61	8.528	85.3
10	12 PFNA	463.0 > 418.8	1.98e4	1.91e4	1.0000		5.00	4.80	12.9	10.958	109.6
11	13 PFOSA	498.1 > 77.8	4.61e3	6.17e3	1.0000		5.02	4.86	9.34	10.247	102.5
12	14 L-PFOS	499 > 79.9	4.76e3	4.96e3	1.0000		5.08	4.88	12.0	12.239	122.4
13	16 PFDA	513 > 468.8	1.88e4	2.28e4	1.0000		5.34	5.17	10.3	9.418	94.2
14	17 8:2 FTS	527 > 506.9	4.13e3	2.22e3	1.0000		5.35	5.15	23.3	10.624	106.2
15	18 N-MeFOSAA	570.1 > 419	9.88e3	7.27e3	1.0000		5.49	5.32	17.0	10.515	105.1
16	19 N-EtFOSAA	584.2 > 419	6.90e3	7.12e3	1.0000		5.64	5.48	12.1	11.085	110.9
17	20 PFUdA	563.0 > 518.9	1.84e4	2.02e4	1.0000		5.66	5.50	11.4	8.535	85.4
18	21 PFDS	598.8 > 80	5.14e3	2.02e4	1.0000		5.73	5.54	3.19	8.997	90.0
19	22 PFDoA	612.9 > 569.0	1.89e4	8.65e3	1.0000		5.94	5.78	27.4	7.782	77.8
20	23 N-MeFOSA	512.1 > 168.9	9.22e3	2.49e4	1.0000		5.85	5.78	55.4	55.806	111.6
21	24 PFTrDA	662.9 > 618.9	1.99e4	8.65e3	1.0000		6.18	6.03	28.8	9.887	98.9
22	25 PFTeDA	712.9 > 668.8	1.32e4	1.20e4	1.0000		6.37	6.24	13.7	11.665	116.6
23	26 N-EtFOSA	526.1 > 168.9	1.21e4	3.76e4	1.0000		6.21	6.17	48.3	50.750	101.5
24	27 PFHxDA	813.1 > 768.6	7.20e3	4.98e3	1.0000		6.66	6.54	7.22	13.307	Ⓐ 133.1
25	28 PFODA	913.1 > 868.8	8.15e3	4.98e3	1.0000		6.87	6.77	8.17	11.748	117.5
26	29 N-MeFOSE	616.1 > 58.9	1.02e4	3.04e4	1.0000		6.30	6.31	50.4	49.839	99.7
27	30 N-EtFOSE	630.1 > 58.9	1.45e4	3.87e4	1.0000		6.42	6.46	56.2	51.750	103.5
28	31 13C3-PFBA	216.1 > 171.8	1.57e4	1.79e4	1.0000	0.861	1.66	1.48	11.0	12.739	101.9
29	32 13C3-PFPeA	266. > 221.8	1.82e4	2.58e4	1.0000	0.757	2.63	2.44	8.79	11.610	92.9
30	33 13C3-PFBS	302. > 98.8	2.45e3	2.58e4	1.0000	0.094	2.90	2.71	1.19	12.626	101.0
31	34 13C2-PFHxA	315 > 269.8	7.73e3	2.58e4	1.0000	0.738	3.40	3.21	3.74	5.070	101.[illegible]

70-130

50-150

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-75.qld

Last Altered: Friday, December 01, 2017 08:15:17 Pacific Standard Time
Printed: Friday, December 01, 2017 08:15:48 Pacific Standard Time

Name: 171130M1_75, Date: 30-Nov-2017, Time: 22:56:43, ID: ST171130M1-5 PFC CS3 17K2810, Description: PFC CS3 17K2810

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	35 13C4-PFHpA	367.2 > 321.8	1.49e4	2.58e4	1.0000	0.580	4.03	3.84	7.21	12.439	99.5
33	36 18O2-PFHxS	403.0 > 102.6	1.82e3	5.10e3	1.0000	0.438	4.17	3.99	4.46	10.179	81.4
34	37 13C2-6:2 FTS	429.1 > 408.9	4.75e3	1.83e4	1.0000	0.279	4.49	4.31	3.25	11.671	93.4
35	38 13C2-PFOA	414.9 > 369.7	1.90e4	1.83e4	1.0000	0.912	4.54	4.36	13.0	14.296	114.4
36	39 13C5-PFNA	468.2 > 422.9	1.91e4	2.22e4	1.0000	0.944	4.97	4.80	10.7	11.378	91.0
37	40 13C8-PFOSA	506.1 > 77.7	6.17e3	1.76e4	1.0000	0.444	5.02	4.86	4.39	9.879	79.0
38	41 13C8-PFOS	507.0 > 79.9	4.96e3	5.77e3	1.0000	1.038	5.05	4.88	10.7	10.345	82.8
39	42 13C2-PFDA	515.1 > 469.9	2.28e4	1.39e4	1.0000	2.003	5.34	5.17	20.6	10.260	82.1
40	43 13C2-8:2 FTS	529.1 > 508.7	2.22e3	2.58e4	1.0000	0.095	5.32	5.14	1.07	11.270	90.2
41	44 d3-N-MeFOSAA	573.3 > 419	7.27e3	1.76e4	1.0000	0.497	5.49	5.32	5.17	10.414	83.3
42	45 d5-N-EtFOSAA	589.3 > 419	7.12e3	1.76e4	1.0000	0.548	5.64	5.48	5.07	9.247	74.0
43	46 13C2-PFUdA	565 > 519.8	2.02e4	1.76e4	1.0000	1.135	5.66	5.50	14.4	12.640	101.1
44	47 13C2-PFDoA	615.0 > 569.7	8.65e3	1.76e4	1.0000	0.606	5.94	5.78	6.15	10.153	81.2
45	48 d3-N-MeFOSA	515.2 > 168.9	2.49e4	1.76e4	1.0000	0.144	5.85	5.80	17.8	122.867	81.9
46	49 13C2-PFTeDA	714.8 > 669.6	1.20e4	1.76e4	1.0000	0.769	6.37	6.24	8.53	11.098	88.8
47	50 d5-N-ETFOSA	531.1 > 168.9	3.76e4	1.76e4	1.0000	0.206	6.21	6.18	26.7	129.781	86.5
48	51 13C2-PFHxDA	815 > 769.7	4.98e3	1.76e4	1.0000	0.845	6.66	6.54	3.55	4.196	83.9
49	52 d7-N-MeFOSE	623.1 > 58.9	3.04e4	1.76e4	1.0000	0.190	6.30	6.30	21.7	114.009	76.0
50	53 d9-N-EtFOSE	639.2 > 58.8	3.87e4	1.76e4	1.0000	0.189	6.42	6.45	27.5	145.692	97.1
51	54 13C4-PFBA	217. > 171.8	1.79e4	1.79e4	1.0000	1.000	1.66	1.48	12.5	12.500	100.0
52	55 13C5-PFHxA	318 > 272.9	2.58e4	2.58e4	1.0000	1.000	3.40	3.21	12.5	12.500	100.0
53	56 13C3-PFHxS	401.9 > 79.9	5.10e3	5.10e3	1.0000	1.000	4.17	3.99	12.5	12.500	100.0
54	57 13C8-PFOA	421.3 > 376	1.83e4	1.83e4	1.0000	1.000	4.54	4.36	12.5	12.500	100.0
55	58 13C9-PFNA	472.2 > 426.9	2.22e4	2.22e4	1.0000	1.000	4.97	4.80	12.5	12.500	100.0
56	59 13C4-PFOS	503 > 79.9	5.77e3	5.77e3	1.0000	1.000	5.05	4.88	12.5	12.500	100.0
57	60 13C6-PFDA	519.1 > 473.7	1.39e4	1.39e4	1.0000	1.000	5.34	5.17	12.5	12.500	100.0
58	61 13C7-PFUdA	570.1 > 524.8	1.76e4	1.76e4	1.0000	1.000	5.66	5.50	12.5	12.500	100.0

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Friday, December 01, 2017 08:29:35 Pacific Standard Time
Printed: Friday, December 01, 2017 08:48:42 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_112917.mdb 29 Nov 2017 15:16:56
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-29-17_FULL.cdb 29 Nov 2017 15:34:31

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	171130M1_1	IPA	30-Nov-17	09:07:57
2	171130M1_2	ST171130M1-1 PFC CS0 17K2808	30-Nov-17	09:19:04
3	171130M1_3	IPA	30-Nov-17	09:30:16
4	171130M1_4	B7K0110-BS1 OPR 0.125	30-Nov-17	09:41:26
5	171130M1_5	B7K0110-BSD1 LCS Dup 0.125	30-Nov-17	09:54:08
6	171130M1_6	B7K0137-BS1 OPR 0.125	30-Nov-17	10:05:16
7	171130M1_7	B7K0137-BSD1 LCS Dup 0.125	30-Nov-17	10:16:28
8	171130M1_8	IPA	30-Nov-17	10:27:38
9	171130M1_9	B7K0110-BLK1 Method Blank 0.125	30-Nov-17	10:38:49
10	171130M1_10	B7K0137-BLK1 Method Blank 0.125	30-Nov-17	10:49:59
11	171130M1_11	1701619-02 STWRT-06SB03-0.2-0.7 1.45	30-Nov-17	11:01:10
12	171130M1_12	1701566-19RE1 AFFF-FFTA-SED-SW/SED5-...	30-Nov-17	11:12:21
13	171130M1_13	1701735-01 MSP-BW-111617 0.1184	30-Nov-17	11:23:31
14	171130M1_14	1701634-13@5X ESHEP-SW-DUP01-110617 ...	30-Nov-17	11:34:42
15	171130M1_15	1701633-03 ESHEP-04-SB01-0-2 1.23	30-Nov-17	11:45:52
16	171130M1_16	1701633-05 ESHEP-04-SB02-0-2 1.2	30-Nov-17	11:57:04
17	171130M1_17	1701633-08 ESHEP-04-SB03-13-15 1.35	30-Nov-17	12:08:14
18	171130M1_18	IPA	30-Nov-17	12:19:25
19	171130M1_19	B7K0085-MS1 Matrix Spike 0.12635	30-Nov-17	12:30:36
20	171130M1_20	B7K0085-MSD1 Matrix Spike Dup 0.12326	30-Nov-17	12:41:47
21	171130M1_21	IPA	30-Nov-17	12:52:57
22	171130M1_22	1701662-01 TRUAX-BB-TWBB01-110817 0.1...	30-Nov-17	13:04:08
23	171130M1_23	1701662-02 TRUAX-BB-GW-DUP0101-11081...	30-Nov-17	13:15:18
24	171130M1_24	1701662-03 TRUAX-06-TW06-110617 0.11787	30-Nov-17	13:26:29
25	171130M1_25	IPA	30-Nov-17	13:37:39
26	171130M1_26	ST171130M1-2 PFC CS3 17K2810	30-Nov-17	13:48:50
27	171130M1_27	IPA	30-Nov-17	14:00:01
28	171130M1_28	1701662-04 TRUAX-01-TW01-110817 0.12211	30-Nov-17	14:11:12
29	171130M1_29	1701662-05 TRUAX-03-TW03-110817 0.12109	30-Nov-17	14:22:23
30	171130M1_30	1701662-06 TRUAX-07-TW07-110817 0.11822	30-Nov-17	14:33:33
31	171130M1_31	1701662-07 TRUAX-02-TW02-110817 0.12754	30-Nov-17	14:44:44

Dataset: Untitled

Last Altered: Friday, December 01, 2017 08:29:35 Pacific Standard Time
Printed: Friday, December 01, 2017 08:48:42 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
32	171130M1_32	1701662-08 TRUAX-08-TW08-110817 0.11855	30-Nov-17	14:55:55
33	171130M1_33	1701662-09 TRUAX-BB-TWBB02-110917 0.1...	30-Nov-17	15:07:05
34	171130M1_34	1701662-10 TRUAX-BB-TWBB03-110917 0.1...	30-Nov-17	15:18:16
35	171130M1_35	1701662-11 TRUAX-09-TW09-110917 0.11447	30-Nov-17	15:29:27
36	171130M1_36	1701662-12 TRUAX-04-TW04-110917 0.12418	30-Nov-17	15:40:38
37	171130M1_37	1701662-13 TRUAX-05-TW05-110917 0.11422	30-Nov-17	15:51:48
38	171130M1_38	1701662-14 TRUAX-EB-110617 0.11648	30-Nov-17	16:02:59
39	171130M1_39	IPA	30-Nov-17	16:14:10
40	171130M1_40	ST171130M1-3 PFC CS3 17K2810	30-Nov-17	16:25:20
41	171130M1_41	IPA	30-Nov-17	16:36:31
42	171130M1_42	1701649-01 STWRT-12SD02-0.0-0.5 1.11	30-Nov-17	16:47:45
43	171130M1_43	1701649-03 STWRT-SD-DUP-001-110617 1.21	30-Nov-17	16:58:53
44	171130M1_44	B7K0137-BS1 OPR 0.125	30-Nov-17	17:10:04
45	171130M1_45	B7K0137-BSD1 LCS Dup 0.125	30-Nov-17	17:21:14
46	171130M1_46	IPA	30-Nov-17	17:32:25
47	171130M1_47	B7K0137-BLK1 Method Blank 0.125	30-Nov-17	17:43:35
48	171130M1_48	1701735-01 MSP-BW-111617 0.1184	30-Nov-17	17:54:46
49	171130M1_49	IPA	30-Nov-17	18:05:57
50	171130M1_50	B7K0168-BS1 OPR 1	30-Nov-17	18:17:09
51	171130M1_51	IPA	30-Nov-17	18:28:19
52	171130M1_52	B7K0168-BLK1 Method Blank 1	30-Nov-17	18:39:30
53	171130M1_53	B7K0168-MS1 Matrix Spike 1.16	30-Nov-17	18:50:41
54	171130M1_54	B7K0168-MSD1 Matrix Spike Dup 1.2	30-Nov-17	19:01:55
55	171130M1_55	1701663-01 TRUAX-07-SO-DUP2-110717 1.27	30-Nov-17	19:13:04
56	171130M1_56	1701663-02 TRUAX-07-SB01-110717-0.5-1.0 ...	30-Nov-17	19:24:15
57	171130M1_57	1701663-03 TRUAX-07-SB01-110717-4.5-5.0 ...	30-Nov-17	19:35:26
58	171130M1_58	1701663-04 TRUAX-08-SB03-110717-0.5-1.0 ...	30-Nov-17	19:46:44
59	171130M1_59	1701663-05 TRUAX-08-SB03-110717-4.5-5.0 ...	30-Nov-17	19:57:55
60	171130M1_60	1701663-06 TRUAX-08-SB02-110717-0.5-1.0 ...	30-Nov-17	20:09:02
61	171130M1_61	IPA	30-Nov-17	20:20:13
62	171130M1_62	ST171130M1-4 PFC CS0 17K2808	30-Nov-17	20:31:23
63	171130M1_63	IPA	30-Nov-17	20:42:34
64	171130M1_64	1701663-07 TRUAX-08-SO-DUP3-110717 1.13	30-Nov-17	20:53:44
65	171130M1_65	1701663-08 TRUAX-08-SB02-110717-5.0-5.5 ...	30-Nov-17	21:04:55

Dataset: Untitled

Last Altered: Friday, December 01, 2017 08:29:35 Pacific Standard Time
Printed: Friday, December 01, 2017 08:48:42 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
66	171130M1_66	1701663-09 TRUAX-08-SB01-110717-0.5-1.0 ...	30-Nov-17	21:16:06
67	171130M1_67	1701663-10 TRUAX-08-SB01-110717-5.0-5.5 ...	30-Nov-17	21:27:17
68	171130M1_68	1701663-11 TRUAX-06-SB03-4.5-5.5 1.27	30-Nov-17	21:38:27
69	171130M1_69	1701663-12 TRUAX-06-SB03-7.0-7.5 1.21	30-Nov-17	21:49:38
70	171130M1_70	1701663-13 TRUAX-06-SB02-0.5-1.0 1.2	30-Nov-17	22:00:49
71	171130M1_71	1701663-14 TRUAX-06-SB02-110717-4.5-5.0 ...	30-Nov-17	22:12:00
72	171130M1_72	1701663-15 TRUAX-09-SB03-110717-3.5-4.0 ...	30-Nov-17	22:23:10
73	171130M1_73	1701663-16 TRUAX-09-SB03-110717-6.5-7.0 ...	30-Nov-17	22:34:21
74	171130M1_74	IPA	30-Nov-17	22:45:32
75	171130M1_75	ST171130M1-5 PFC CS3 17K2810	30-Nov-17	22:56:43
76	171130M1_76	IPA	30-Nov-17	23:07:53
77	171130M1_77	1701663-17 TRUAX-07-SB03-110717-0.5-1.0 ...	30-Nov-17	23:19:04
78	171130M1_78	1701663-18 TRUAX-07-SB03-110717-5.0-5.5 ...	30-Nov-17	23:30:14
79	171130M1_79	1701663-19 TRUAX-07-SB02-110717-0.5-1.0 ...	30-Nov-17	23:41:25
80	171130M1_80	1701663-20 TRUAX-07-SB02-110717-4.5-5.0 ...	30-Nov-17	23:52:36
81	171130M1_81	IPA	01-Dec-17	00:03:47
82	171130M1_82	ST171130M1-6 PFC CS3 17K2810	01-Dec-17	00:14:58
83	171130M1_83	IPA	01-Dec-17	00:26:08

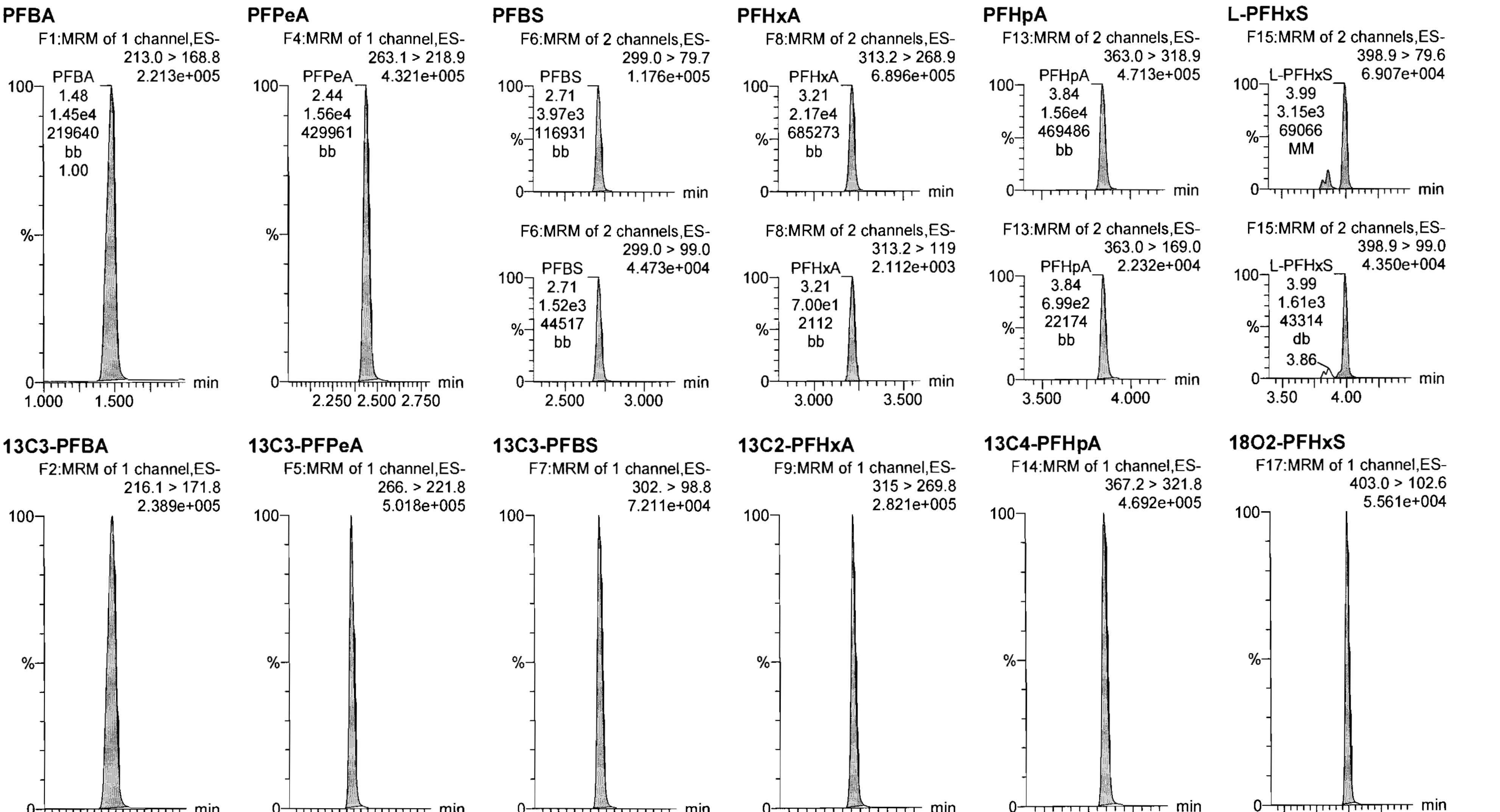
Quantify Sample Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-75.qld

Last Altered: Friday, December 01, 2017 08:15:17 Pacific Standard Time
Printed: Friday, December 01, 2017 08:15:48 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_112917.mdb 29 Nov 2017 15:16:56
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-29-17_FULL.cdb 29 Nov 2017 15:34:31

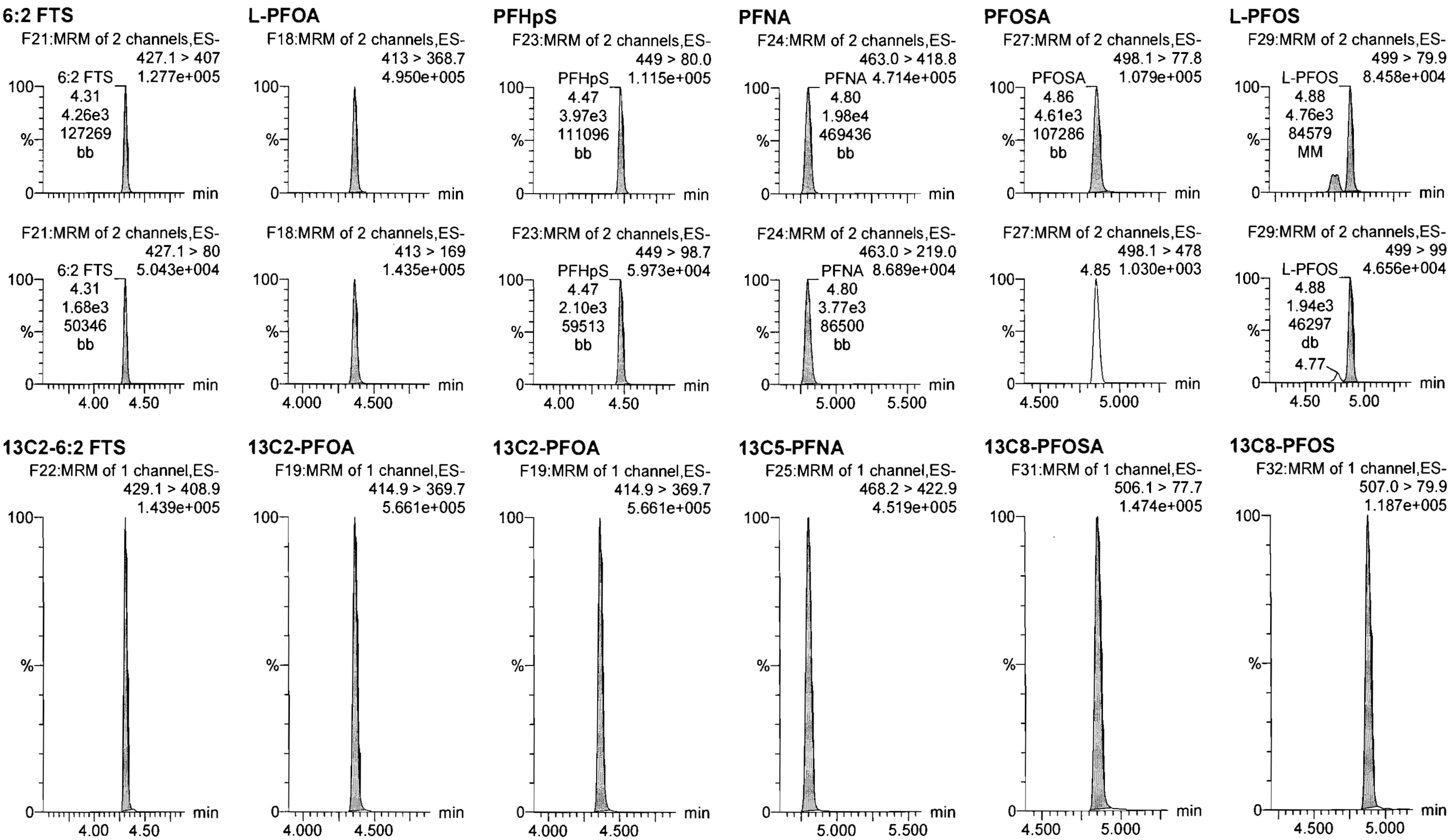
Name: 171130M1_75, Date: 30-Nov-2017, Time: 22:56:43, ID: ST171130M1-5 PFC CS3 17K2810, Description: PFC CS3 17K2810



Dataset: U:\Q4.PRO\results\171130M1\171130M1-75.qld

Last Altered: Friday, December 01, 2017 08:15:17 Pacific Standard Time
Printed: Friday, December 01, 2017 08:15:48 Pacific Standard Time

Name: 171130M1_75, Date: 30-Nov-2017, Time: 22:56:43, ID: ST171130M1-5 PFC CS3 17K2810, Description: PFC CS3 17K2810

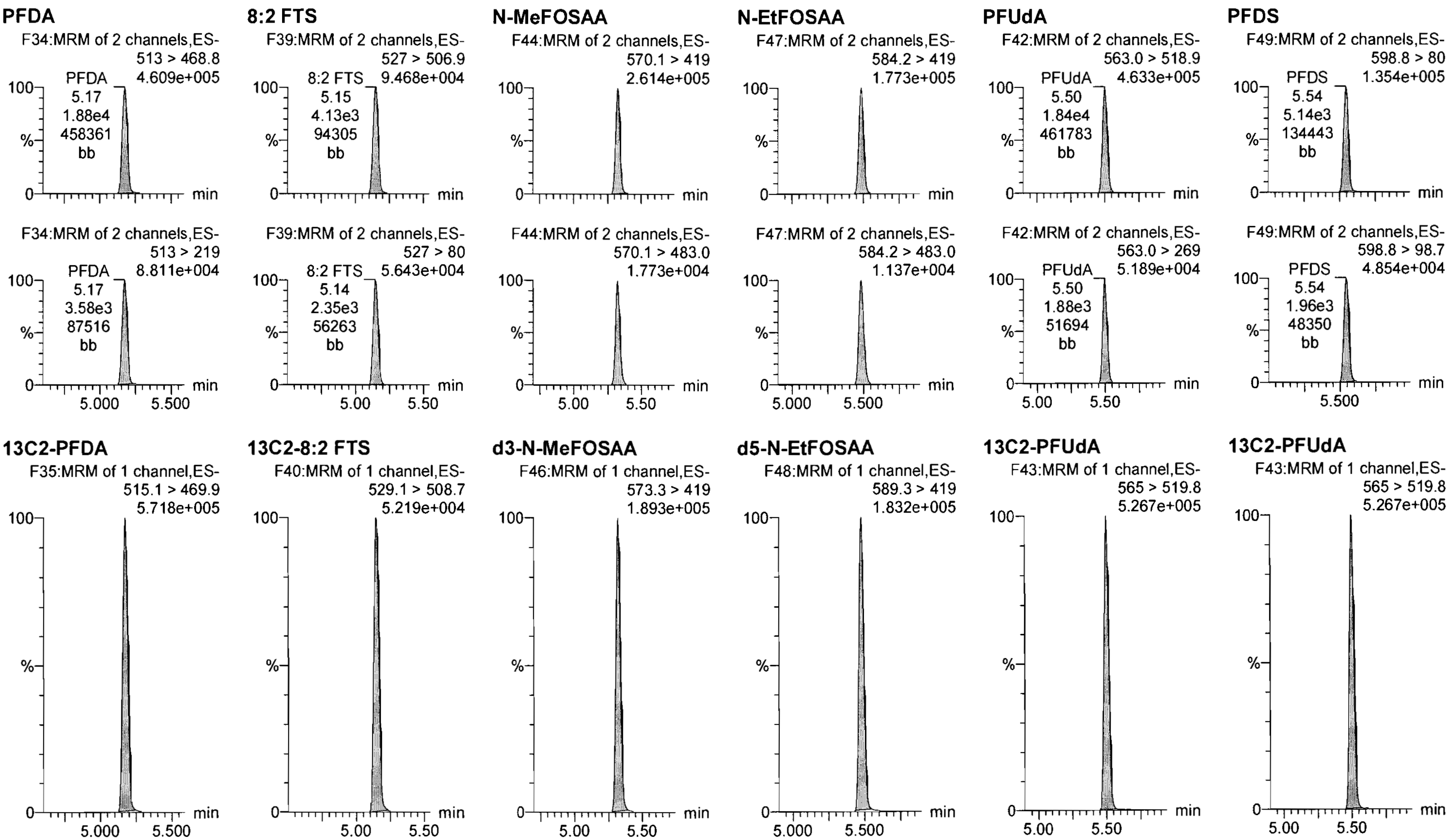


Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-75.qld

Last Altered: Friday, December 01, 2017 08:15:17 Pacific Standard Time
Printed: Friday, December 01, 2017 08:15:48 Pacific Standard Time

Name: 171130M1_75, Date: 30-Nov-2017, Time: 22:56:43, ID: ST171130M1-5 PFC CS3 17K2810, Description: PFC CS3 17K2810



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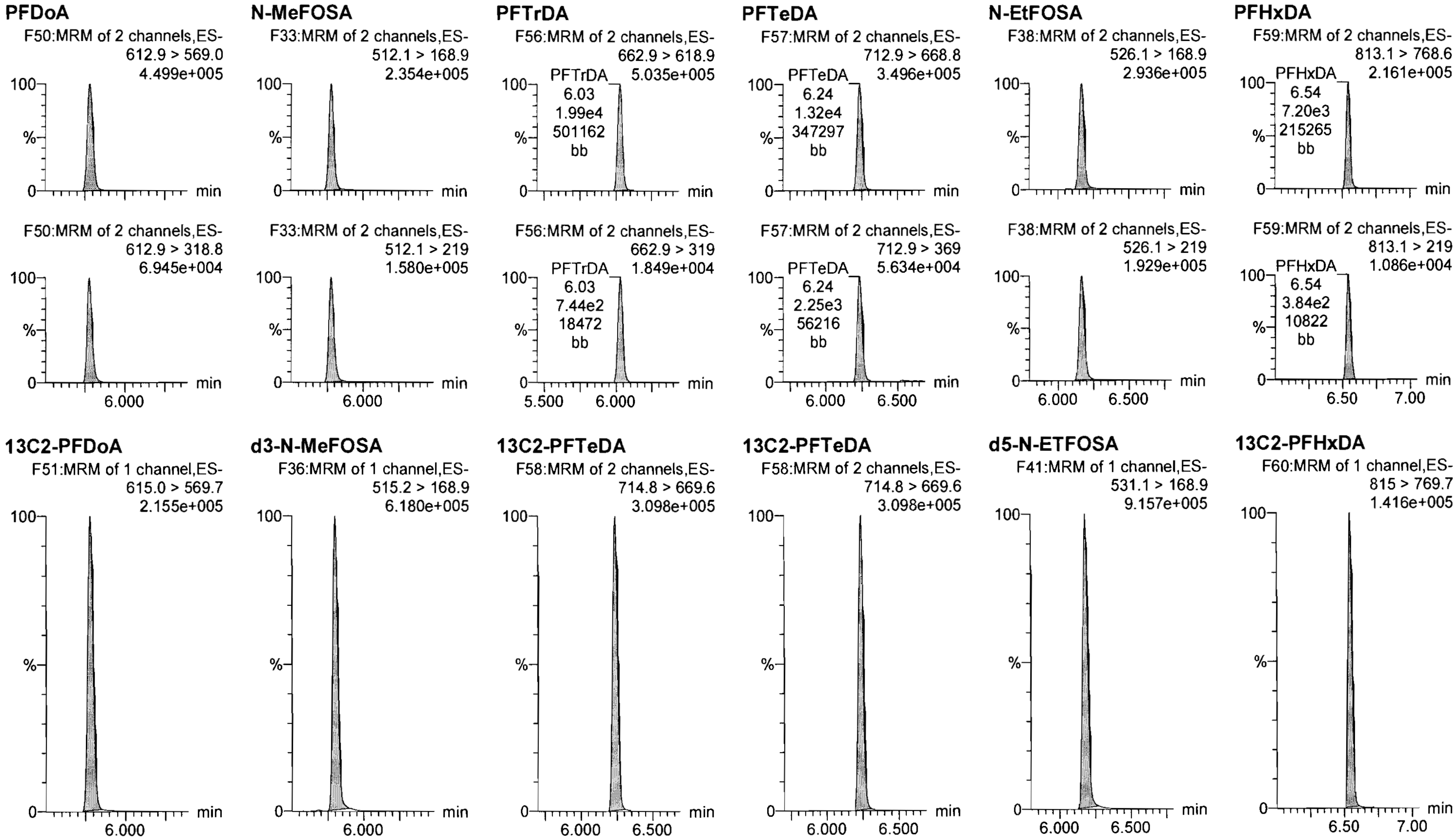
Last Altered: Friday, December 01, 2017 08:15:17 Pacific Standard Time
Printed: Friday, December 01, 2017 08:15:48 Pacific Standard Time

Name: 171130M1_75, Date: 30-Nov-2017, Time: 22:56:43, ID: ST171130M1-5 PFC CS3 17K2810, Description: PFC CS3 17K2810

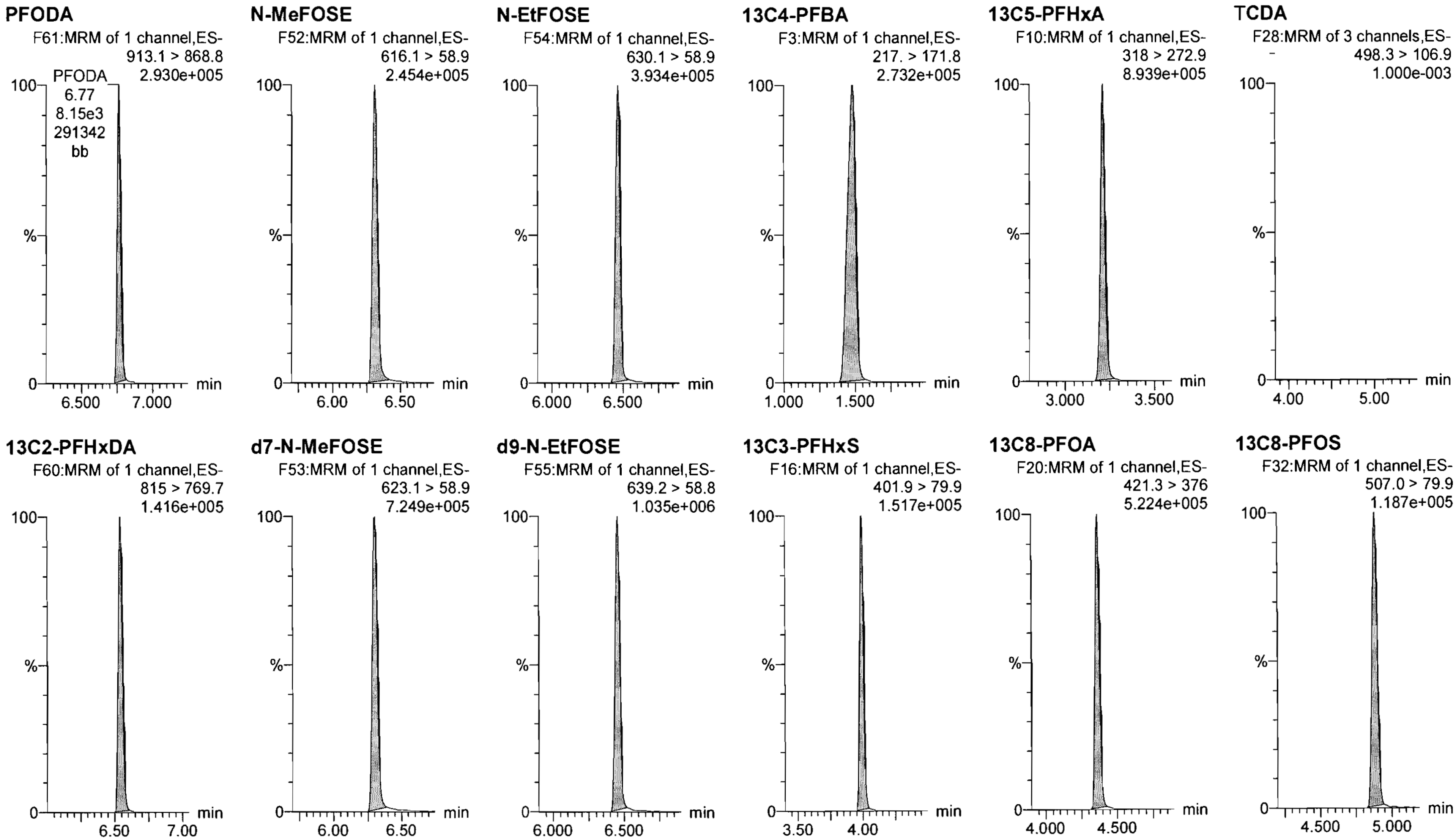


Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-75.qld

Last Altered: Friday, December 01, 2017 08:15:17 Pacific Standard Time
Printed: Friday, December 01, 2017 08:15:48 Pacific Standard Time

Name: 171130M1_75, Date: 30-Nov-2017, Time: 22:56:43, ID: ST171130M1-5 PFC CS3 17K2810, Description: PFC CS3 17K2810

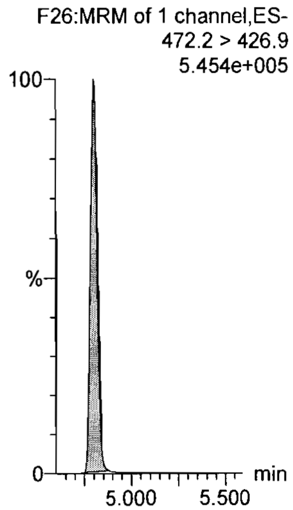


Dataset: U:\Q4.PRO\results\171130M1\171130M1-75.qld

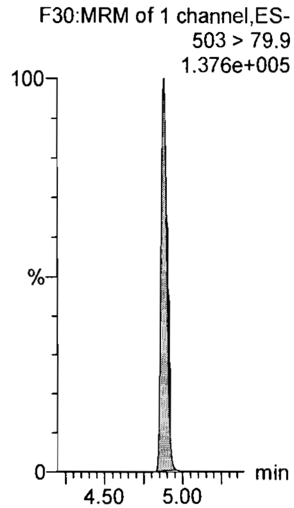
Last Altered: Friday, December 01, 2017 08:15:17 Pacific Standard Time
Printed: Friday, December 01, 2017 08:15:48 Pacific Standard Time

Name: 171130M1_75, Date: 30-Nov-2017, Time: 22:56:43, ID: ST171130M1-5 PFC CS3 17K2810, Description: PFC CS3 17K2810

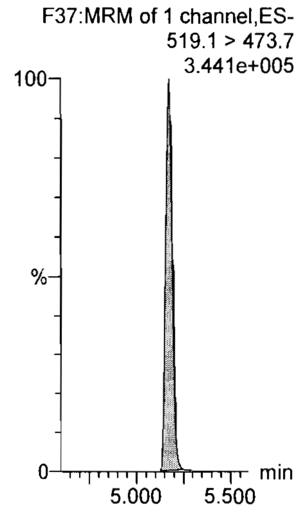
13C9-PFNA



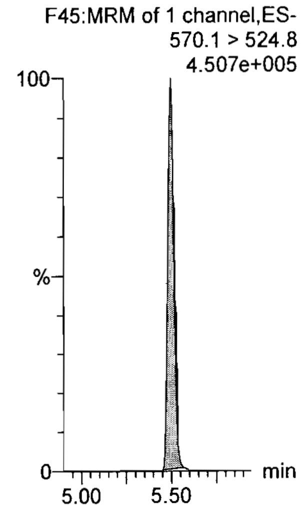
13C4-PFOS



13C6-PFDA



13C7-PFUdA



Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-82.qld

Last Altered: Friday, December 01, 2017 08:19:10 Pacific Standard Time
Printed: Friday, December 01, 2017 08:19:35 Pacific Standard Time

AC 12/1/17

rJA. 12/01/2017

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_112917.mdb 29 Nov 2017 15:16:56
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-29-17_FULL.cdb 29 Nov 2017 15:34:31

Name: 171130M1_82, Date: 01-Dec-2017, Time: 00:14:58, ID: ST171130M1-6 PFC CS3 17K2810, Description: PFC CS3 17K2810

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1 PFBA	213.0 > 168.8	1.46e4	1.56e4	1.0000		1.66	1.48	11.7	10.053	100.5
2	2 PFPeA	263.1 > 218.9	1.56e4	1.81e4	1.0000		2.63	2.44	10.8	10.747	107.5
3	3 PFBS	299.0 > 79.7	4.18e3	2.38e3	1.0000		2.90	2.71	22.0	10.187	101.9
4	4 PFHxA	313.2 > 268.9	2.21e4	7.43e3	1.0000		3.40	3.21	14.9	10.585	105.8
5	5 PFHpA	363.0 > 318.9	1.73e4	1.48e4	1.0000		4.03	3.84	14.6	11.178	111.8
6	6 L-PFHxS	398.9 > 79.6	3.33e3	1.96e3	1.0000		4.19	3.99	21.3	10.285	102.8
7	8 6:2 FTS	427.1 > 407	3.35e3	4.60e3	1.0000		4.49	4.31	9.10	7.477	74.8
8	9 L-PFOA	413 > 368.7	1.47e4	1.85e4	1.0000		4.26	4.36	9.95	9.793	97.9
9	11 PFHpS	449 > 80.0	4.20e3	1.85e4	1.0000		4.65	4.47	2.84	9.267	92.7
10	12 PFNA	463.0 > 418.8	1.91e4	2.11e4	1.0000		5.00	4.80	11.3	9.592	95.9
11	13 PFOSA	498.1 > 77.8	4.79e3	6.63e3	1.0000		5.02	4.85	9.03	9.908	99.1
12	14 L-PFOS	499 > 79.9	4.73e3	6.09e3	1.0000		5.08	4.88	9.72	9.908	99.1
13	16 PFDA	513 > 468.8	2.12e4	2.32e4	1.0000		5.34	5.17	11.4	10.426	104.3
14	17 8:2 FTS	527 > 506.9	4.07e3	2.56e3	1.0000		5.35	5.14	19.9	9.035	90.4
15	18 N-MeFOSAA	570.1 > 419	9.68e3	6.54e3	1.0000		5.49	5.32	18.5	11.446	114.5
16	19 N-EtFOSAA	584.2 > 419	6.77e3	7.26e3	1.0000		5.64	5.48	11.7	10.666	106.7
17	20 PFUdA	563.0 > 518.9	1.64e4	1.92e4	1.0000		5.66	5.50	10.7	7.984	79.8
18	21 PFDS	598.8 > 80	5.18e3	1.92e4	1.0000		5.73	5.54	3.38	9.528	95.3
19	22 PFDoA	612.9 > 569.0	2.33e4	9.96e3	1.0000		5.94	5.78	29.2	8.317	83.2
20	23 N-MeFOSA	512.1 > 168.9	9.13e3	2.35e4	1.0000		5.85	5.78	58.1	58.559	117.1
21	24 PFTrDA	662.9 > 618.9	1.92e4	9.96e3	1.0000		6.18	6.03	24.2	8.294	82.9
22	25 PFTeDA	712.9 > 668.8	1.32e4	1.16e4	1.0000		6.37	6.23	14.3	12.146	121.5
23	26 N-EtFOSA	526.1 > 168.9	1.24e4	3.57e4	1.0000		6.21	6.16	52.2	54.942	109.9
24	27 PFHxDA	813.1 > 768.6	6.44e3	5.41e3	1.0000		6.66	6.54	5.95	10.930	109.3
25	28 PFODA	913.1 > 868.8	8.37e3	5.41e3	1.0000		6.87	6.76	7.73	11.107	111.1
26	29 N-MeFOSE	616.1 > 58.9	9.91e3	3.13e4	1.0000		6.30	6.31	47.5	46.968	93.9
27	30 N-EtFOSE	630.1 > 58.9	1.32e4	3.87e4	1.0000		6.42	6.46	51.1	47.002	94.0
28	31 13C3-PFBA	216.1 > 171.8	1.56e4	1.78e4	1.0000	0.861	1.66	1.48	10.9	12.717	101.7
29	32 13C3-PFPeA	266. > 221.8	1.81e4	2.52e4	1.0000	0.757	2.63	2.44	8.97	11.837	94.7
30	33 13C3-PFBS	302. > 98.8	2.38e3	2.52e4	1.0000	0.094	2.90	2.71	1.18	12.575	100.6
31	34 13C2-PFHxA	315 > 269.8	7.43e3	2.52e4	1.0000	0.738	3.40	3.21	3.69	4.999	100[illegible]

70-130

50-150

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Dataset: U:\Q4.PRO\results\171130M1\171130M1-82.qld

Last Altered: Friday, December 01, 2017 08:19:10 Pacific Standard Time
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Name: 171130M1_82, Date: 01-Dec-2017, Time: 00:14:58, ID: ST171130M1-6 PFC CS3 17K2810, Description: PFC CS3 17K2810

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	
32	35 13C4-PFHpA	367.2 > 321.8	1.48e4	2.52e4	1.0000	0.580	4.03	3.84	7.34	12.653	101.2	50-150
33	36 18O2-PFHxS	403.0 > 102.6	1.96e3	4.58e3	1.0000	0.438	4.17	3.99	5.34	12.177	97.4	
34	37 13C2-6:2 FTS	429.1 > 408.9	4.60e3	1.77e4	1.0000	0.279	4.49	4.31	3.25	11.662	93.3	
35	38 13C2-PFOA	414.9 > 369.7	1.85e4	1.77e4	1.0000	0.912	4.54	4.36	13.1	14.329	114.6	
36	39 13C5-PFNA	468.2 > 422.9	2.11e4	2.17e4	1.0000	0.944	4.97	4.80	12.1	12.847	102.8	
37	40 13C8-PFOSA	506.1 > 77.7	6.63e3	1.40e4	1.0000	0.444	5.02	4.85	5.91	13.315	106.5	
38	41 13C8-PFOS	507.0 > 79.9	6.09e3	5.62e3	1.0000	1.038	5.05	4.88	13.5	13.036	104.3	
39	42 13C2-PFDA	515.1 > 469.9	2.32e4	1.45e4	1.0000	2.003	5.34	5.17	19.9	9.955	79.6	
40	43 13C2-8:2 FTS	529.1 > 508.7	2.56e3	2.52e4	1.0000	0.095	5.32	5.14	1.27	13.359	106.9	
41	44 d3-N-MeFOSAA	573.3 > 419	6.54e3	1.40e4	1.0000	0.497	5.49	5.32	5.83	11.746	94.0	
42	45 d5-N-EtFOSAA	589.3 > 419	7.26e3	1.40e4	1.0000	0.548	5.64	5.47	6.47	11.814	94.5	
43	46 13C2-PFUdA	565 > 519.8	1.92e4	1.40e4	1.0000	1.135	5.66	5.49	17.1	15.074	120.6	
44	47 13C2-PFDoA	615.0 > 569.7	9.96e3	1.40e4	1.0000	0.606	5.94	5.78	8.88	14.647	117.2	
45	48 d3-N-MeFOSA	515.2 > 168.9	2.35e4	1.40e4	1.0000	0.144	5.85	5.80	21.0	145.342	96.9	
46	49 13C2-PFTeDA	714.8 > 669.6	1.16e4	1.40e4	1.0000	0.769	6.37	6.23	10.3	13.421	107.4	
47	50 d5-N-ETFOSA	531.1 > 168.9	3.57e4	1.40e4	1.0000	0.206	6.21	6.18	31.8	154.571	103.0	
48	51 13C2-PFHxDA	815 > 769.7	5.41e3	1.40e4	1.0000	0.845	6.66	6.54	4.83	5.711	114.2	
49	52 d7-N-MeFOSE	623.1 > 58.9	3.13e4	1.40e4	1.0000	0.190	6.30	6.30	27.9	147.087	98.1	
50	53 d9-N-EtFOSE	639.2 > 58.8	3.87e4	1.40e4	1.0000	0.189	6.42	6.45	34.5	182.842	121.9	
51	54 13C4-PFBA	217. > 171.8	1.78e4	1.78e4	1.0000	1.000	1.66	1.48	12.5	12.500	100.0	
52	55 13C5-PFHxA	318 > 272.9	2.52e4	2.52e4	1.0000	1.000	3.40	3.21	12.5	12.500	100.0	
53	56 13C3-PFHxS	401.9 > 79.9	4.58e3	4.58e3	1.0000	1.000	4.17	3.99	12.5	12.500	100.0	
54	57 13C8-PFOA	421.3 > 376	1.77e4	1.77e4	1.0000	1.000	4.54	4.36	12.5	12.500	100.0	
55	58 13C9-PFNA	472.2 > 426.9	2.17e4	2.17e4	1.0000	1.000	4.97	4.80	12.5	12.500	100.0	
56	59 13C4-PFOS	503 > 79.9	5.62e3	5.62e3	1.0000	1.000	5.05	4.88	12.5	12.500	100.0	
57	60 13C6-PFDA	519.1 > 473.7	1.45e4	1.45e4	1.0000	1.000	5.34	5.17	12.5	12.500	100.0	
58	61 13C7-PFUdA	570.1 > 524.8	1.40e4	1.40e4	1.0000	1.000	5.66	5.50	12.5	12.500	100.0	

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Dataset: Untitled

Last Altered: Friday, December 01, 2017 08:29:35 Pacific Standard Time
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Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_112917.mdb 29 Nov 2017 15:16:56
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-29-17_FULL.cdb 29 Nov 2017 15:34:31

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	171130M1_1	IPA	30-Nov-17	09:07:57
2	171130M1_2	ST171130M1-1 PFC CS0 17K2808	30-Nov-17	09:19:04
3	171130M1_3	IPA	30-Nov-17	09:30:16
4	171130M1_4	B7K0110-BS1 OPR 0.125	30-Nov-17	09:41:26
5	171130M1_5	B7K0110-BSD1 LCS Dup 0.125	30-Nov-17	09:54:08
6	171130M1_6	B7K0137-BS1 OPR 0.125	30-Nov-17	10:05:16
7	171130M1_7	B7K0137-BSD1 LCS Dup 0.125	30-Nov-17	10:16:28
8	171130M1_8	IPA	30-Nov-17	10:27:38
9	171130M1_9	B7K0110-BLK1 Method Blank 0.125	30-Nov-17	10:38:49
10	171130M1_10	B7K0137-BLK1 Method Blank 0.125	30-Nov-17	10:49:59
11	171130M1_11	1701619-02 STWRT-06SB03-0.2-0.7 1.45	30-Nov-17	11:01:10
12	171130M1_12	1701566-19RE1 AFFF-FFTA-SED-SW/SED5-...	30-Nov-17	11:12:21
13	171130M1_13	1701735-01 MSP-BW-111617 0.1184	30-Nov-17	11:23:31
14	171130M1_14	1701634-13@5X ESHEP-SW-DUP01-110617 ...	30-Nov-17	11:34:42
15	171130M1_15	1701633-03 ESHEP-04-SB01-0-2 1.23	30-Nov-17	11:45:52
16	171130M1_16	1701633-05 ESHEP-04-SB02-0-2 1.2	30-Nov-17	11:57:04
17	171130M1_17	1701633-08 ESHEP-04-SB03-13-15 1.35	30-Nov-17	12:08:14
18	171130M1_18	IPA	30-Nov-17	12:19:25
19	171130M1_19	B7K0085-MS1 Matrix Spike 0.12635	30-Nov-17	12:30:36
20	171130M1_20	B7K0085-MSD1 Matrix Spike Dup 0.12326	30-Nov-17	12:41:47
21	171130M1_21	IPA	30-Nov-17	12:52:57
22	171130M1_22	1701662-01 TRUAX-BB-TWBB01-110817 0.1...	30-Nov-17	13:04:08
23	171130M1_23	1701662-02 TRUAX-BB-GW-DUP0101-11081...	30-Nov-17	13:15:18
24	171130M1_24	1701662-03 TRUAX-06-TW06-110617 0.11787	30-Nov-17	13:26:29
25	171130M1_25	IPA	30-Nov-17	13:37:39
26	171130M1_26	ST171130M1-2 PFC CS3 17K2810	30-Nov-17	13:48:50
27	171130M1_27	IPA	30-Nov-17	14:00:01
28	171130M1_28	1701662-04 TRUAX-01-TW01-110817 0.12211	30-Nov-17	14:11:12
29	171130M1_29	1701662-05 TRUAX-03-TW03-110817 0.12109	30-Nov-17	14:22:23
30	171130M1_30	1701662-06 TRUAX-07-TW07-110817 0.11822	30-Nov-17	14:33:33
31	171130M1_31	1701662-07 TRUAX-02-TW02-110817 0.12754	30-Nov-17	14:44:44

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Dataset: Untitled

Last Altered: Friday, December 01, 2017 08:29:35 Pacific Standard Time
Printed: Friday, December 01, 2017 08:48:42 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
32	171130M1_32	1701662-08 TRUAX-08-TW08-110817 0.11855	30-Nov-17	14:55:55
33	171130M1_33	1701662-09 TRUAX-BB-TWBB02-110917 0.1...	30-Nov-17	15:07:05
34	171130M1_34	1701662-10 TRUAX-BB-TWBB03-110917 0.1...	30-Nov-17	15:18:16
35	171130M1_35	1701662-11 TRUAX-09-TW09-110917 0.11447	30-Nov-17	15:29:27
36	171130M1_36	1701662-12 TRUAX-04-TW04-110917 0.12418	30-Nov-17	15:40:38
37	171130M1_37	1701662-13 TRUAX-05-TW05-110917 0.11422	30-Nov-17	15:51:48
38	171130M1_38	1701662-14 TRUAX-EB-110617 0.11648	30-Nov-17	16:02:59
39	171130M1_39	IPA	30-Nov-17	16:14:10
40	171130M1_40	ST171130M1-3 PFC CS3 17K2810	30-Nov-17	16:25:20
41	171130M1_41	IPA	30-Nov-17	16:36:31
42	171130M1_42	1701649-01 STWRT-12SD02-0.0-0.5 1.11	30-Nov-17	16:47:45
43	171130M1_43	1701649-03 STWRT-SD-DUP-001-110617 1.21	30-Nov-17	16:58:53
44	171130M1_44	B7K0137-BS1 OPR 0.125	30-Nov-17	17:10:04
45	171130M1_45	B7K0137-BSD1 LCS Dup 0.125	30-Nov-17	17:21:14
46	171130M1_46	IPA	30-Nov-17	17:32:25
47	171130M1_47	B7K0137-BLK1 Method Blank 0.125	30-Nov-17	17:43:35
48	171130M1_48	1701735-01 MSP-BW-111617 0.1184	30-Nov-17	17:54:46
49	171130M1_49	IPA	30-Nov-17	18:05:57
50	171130M1_50	B7K0168-BS1 OPR 1	30-Nov-17	18:17:09
51	171130M1_51	IPA	30-Nov-17	18:28:19
52	171130M1_52	B7K0168-BLK1 Method Blank 1	30-Nov-17	18:39:30
53	171130M1_53	B7K0168-MS1 Matrix Spike 1.16	30-Nov-17	18:50:41
54	171130M1_54	B7K0168-MSD1 Matrix Spike Dup 1.2	30-Nov-17	19:01:55
55	171130M1_55	1701663-01 TRUAX-07-SO-DUP2-110717 1.27	30-Nov-17	19:13:04
56	171130M1_56	1701663-02 TRUAX-07-SB01-110717-0.5-1.0 ...	30-Nov-17	19:24:15
57	171130M1_57	1701663-03 TRUAX-07-SB01-110717-4.5-5.0 ...	30-Nov-17	19:35:26
58	171130M1_58	1701663-04 TRUAX-08-SB03-110717-0.5-1.0 ...	30-Nov-17	19:46:44
59	171130M1_59	1701663-05 TRUAX-08-SB03-110717-4.5-5.0 ...	30-Nov-17	19:57:55
60	171130M1_60	1701663-06 TRUAX-08-SB02-110717-0.5-1.0 ...	30-Nov-17	20:09:02
61	171130M1_61	IPA	30-Nov-17	20:20:13
62	171130M1_62	ST171130M1-4 PFC CS0 17K2808	30-Nov-17	20:31:23
63	171130M1_63	IPA	30-Nov-17	20:42:34
64	171130M1_64	1701663-07 TRUAX-08-SO-DUP3-110717 1.13	30-Nov-17	20:53:44
65	171130M1_65	1701663-08 TRUAX-08-SB02-110717-5.0-5.5 ...	30-Nov-17	21:04:55

Dataset: Untitled

Last Altered: Friday, December 01, 2017 08:29:35 Pacific Standard Time
Printed: Friday, December 01, 2017 08:48:42 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
66	171130M1_66	1701663-09 TRUAX-08-SB01-110717-0.5-1.0 ...	30-Nov-17	21:16:06
67	171130M1_67	1701663-10 TRUAX-08-SB01-110717-5.0-5.5 ...	30-Nov-17	21:27:17
68	171130M1_68	1701663-11 TRUAX-06-SB03-4.5-5.5 1.27	30-Nov-17	21:38:27
69	171130M1_69	1701663-12 TRUAX-06-SB03-7.0-7.5 1.21	30-Nov-17	21:49:38
70	171130M1_70	1701663-13 TRUAX-06-SB02-0.5-1.0 1.2	30-Nov-17	22:00:49
71	171130M1_71	1701663-14 TRUAX-06-SB02-110717-4.5-5.0 ...	30-Nov-17	22:12:00
72	171130M1_72	1701663-15 TRUAX-09-SB03-110717-3.5-4.0 ...	30-Nov-17	22:23:10
73	171130M1_73	1701663-16 TRUAX-09-SB03-110717-6.5-7.0 ...	30-Nov-17	22:34:21
74	171130M1_74	IPA	30-Nov-17	22:45:32
75	171130M1_75	ST171130M1-5 PFC CS3 17K2810	30-Nov-17	22:56:43
76	171130M1_76	IPA	30-Nov-17	23:07:53
77	171130M1_77	1701663-17 TRUAX-07-SB03-110717-0.5-1.0 ...	30-Nov-17	23:19:04
78	171130M1_78	1701663-18 TRUAX-07-SB03-110717-5.0-5.5 ...	30-Nov-17	23:30:14
79	171130M1_79	1701663-19 TRUAX-07-SB02-110717-0.5-1.0 ...	30-Nov-17	23:41:25
80	171130M1_80	1701663-20 TRUAX-07-SB02-110717-4.5-5.0 ...	30-Nov-17	23:52:36
81	171130M1_81	IPA	01-Dec-17	00:03:47
82	171130M1_82	ST171130M1-6 PFC CS3 17K2810	01-Dec-17	00:14:58
83	171130M1_83	IPA	01-Dec-17	00:26:08

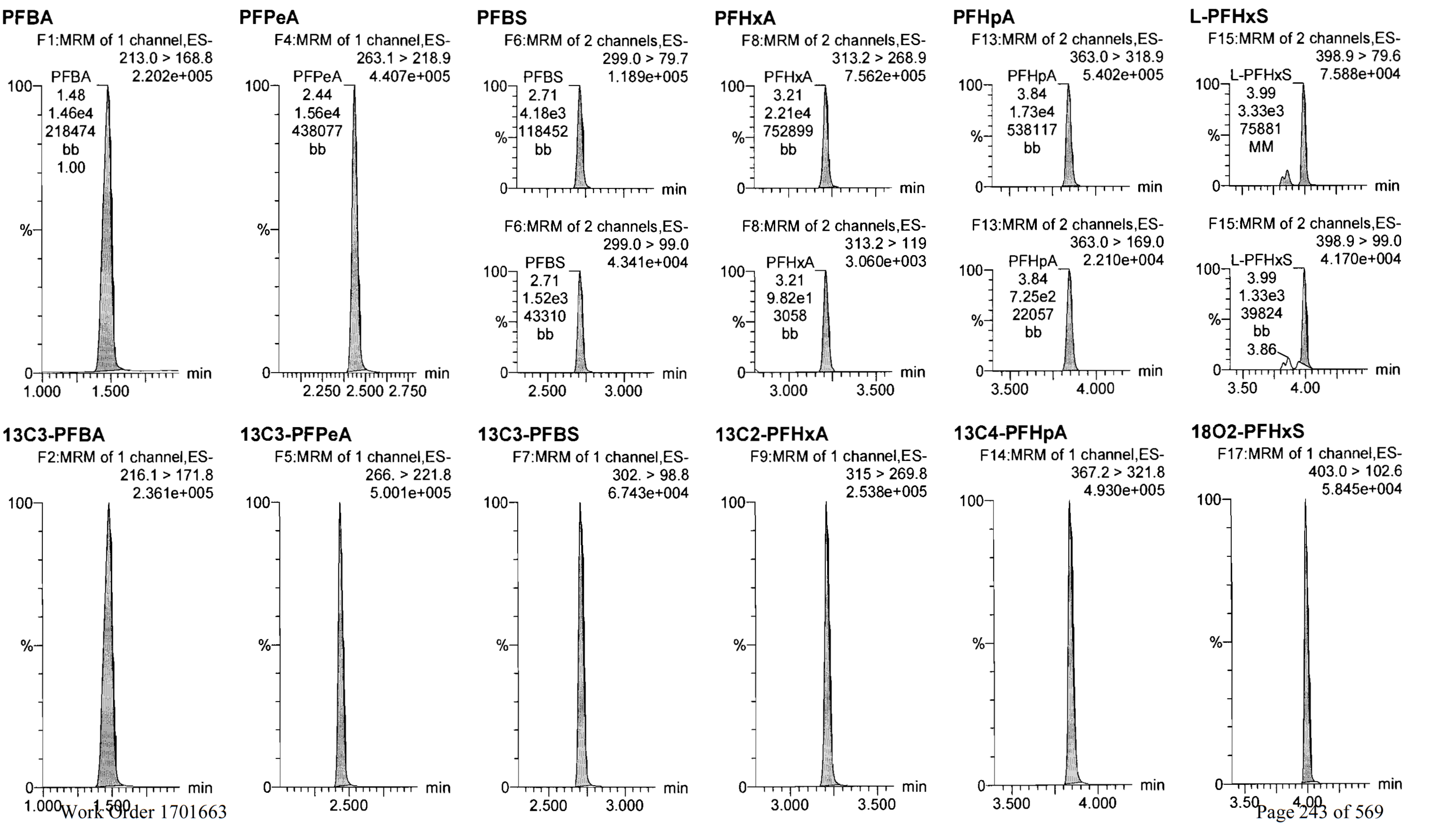
Quantify Sample Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-82.qld

Last Altered: Friday, December 01, 2017 08:19:10 Pacific Standard Time
Printed: Friday, December 01, 2017 08:19:35 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_112917.mdb 29 Nov 2017 15:16:56
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-29-17_FULL.cdb 29 Nov 2017 15:34:31

Name: 171130M1_82, Date: 01-Dec-2017, Time: 00:14:58, ID: ST171130M1-6 PFC CS3 17K2810, Description: PFC CS3 17K2810



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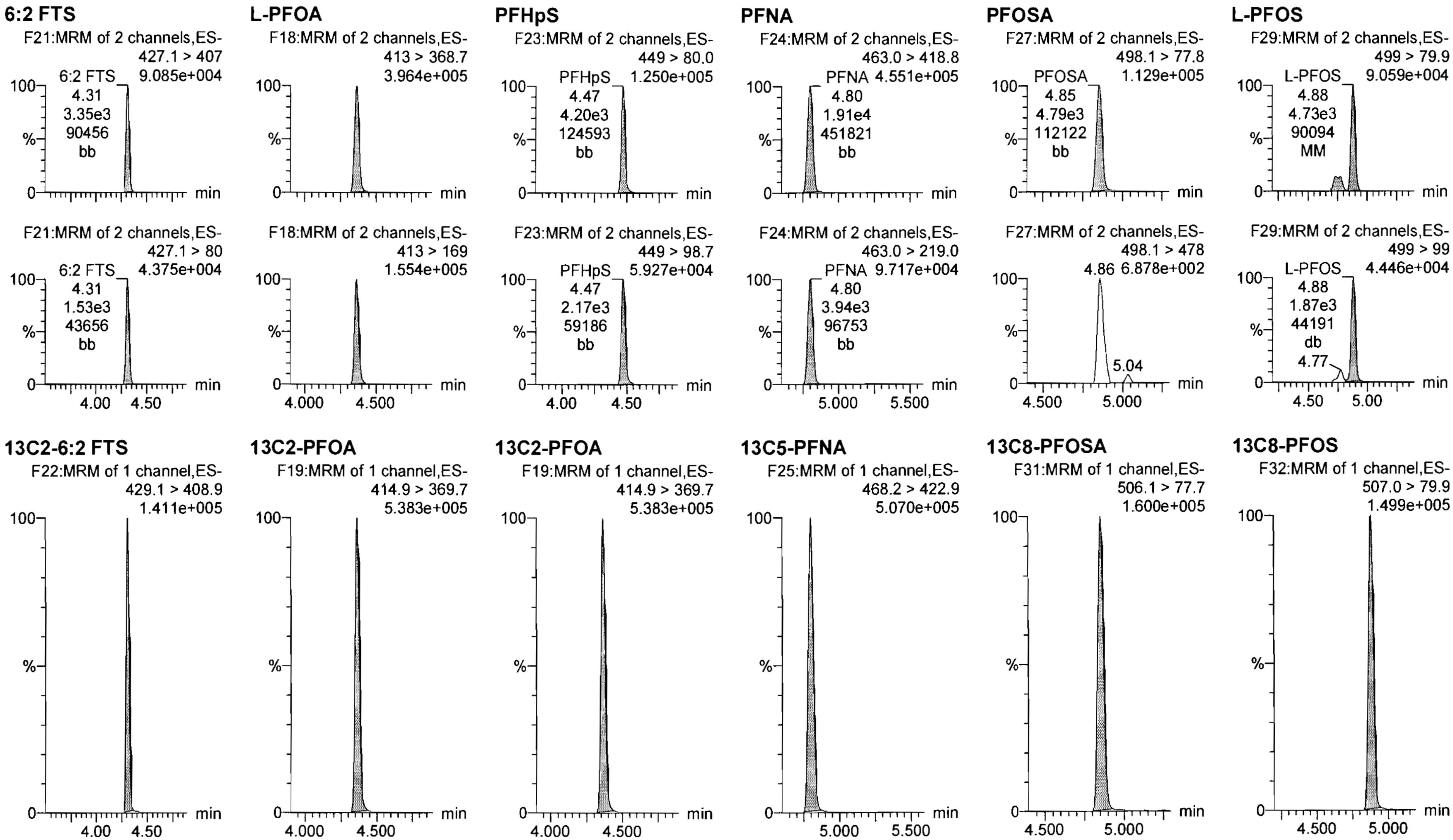
Printed: Friday, December 01, 2017 08:19:35 Pacific Standard Time

Name: 171130M1_82, Date: 01-Dec-2017, Time: 00:14:58, ID: ST171130M1-6 PFC CS3 17K2810, Description: PFC CS3 17K2810



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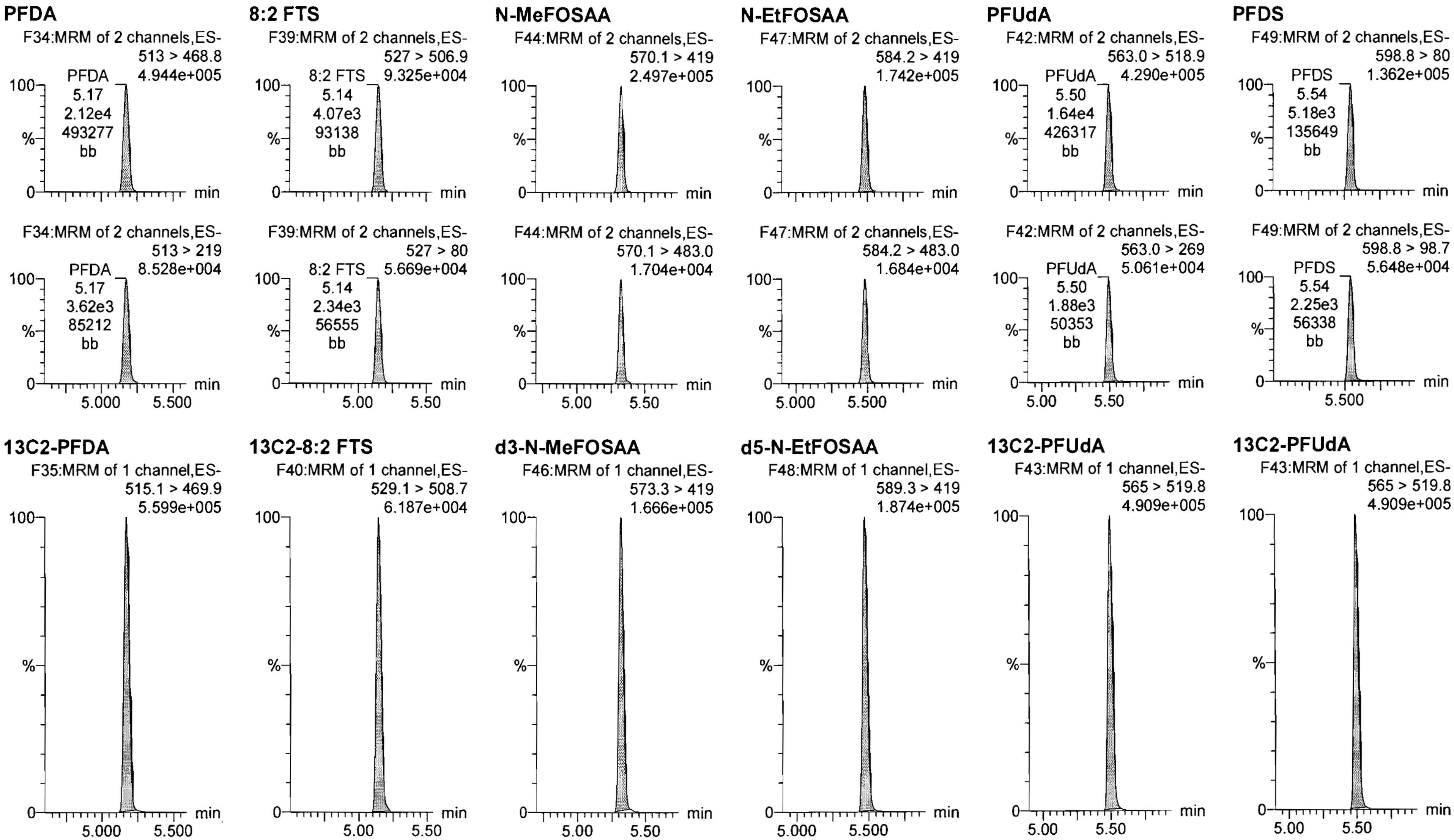

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-82.qld

Last Altered: Friday, December 01, 2017 08:19:10 Pacific Standard Time
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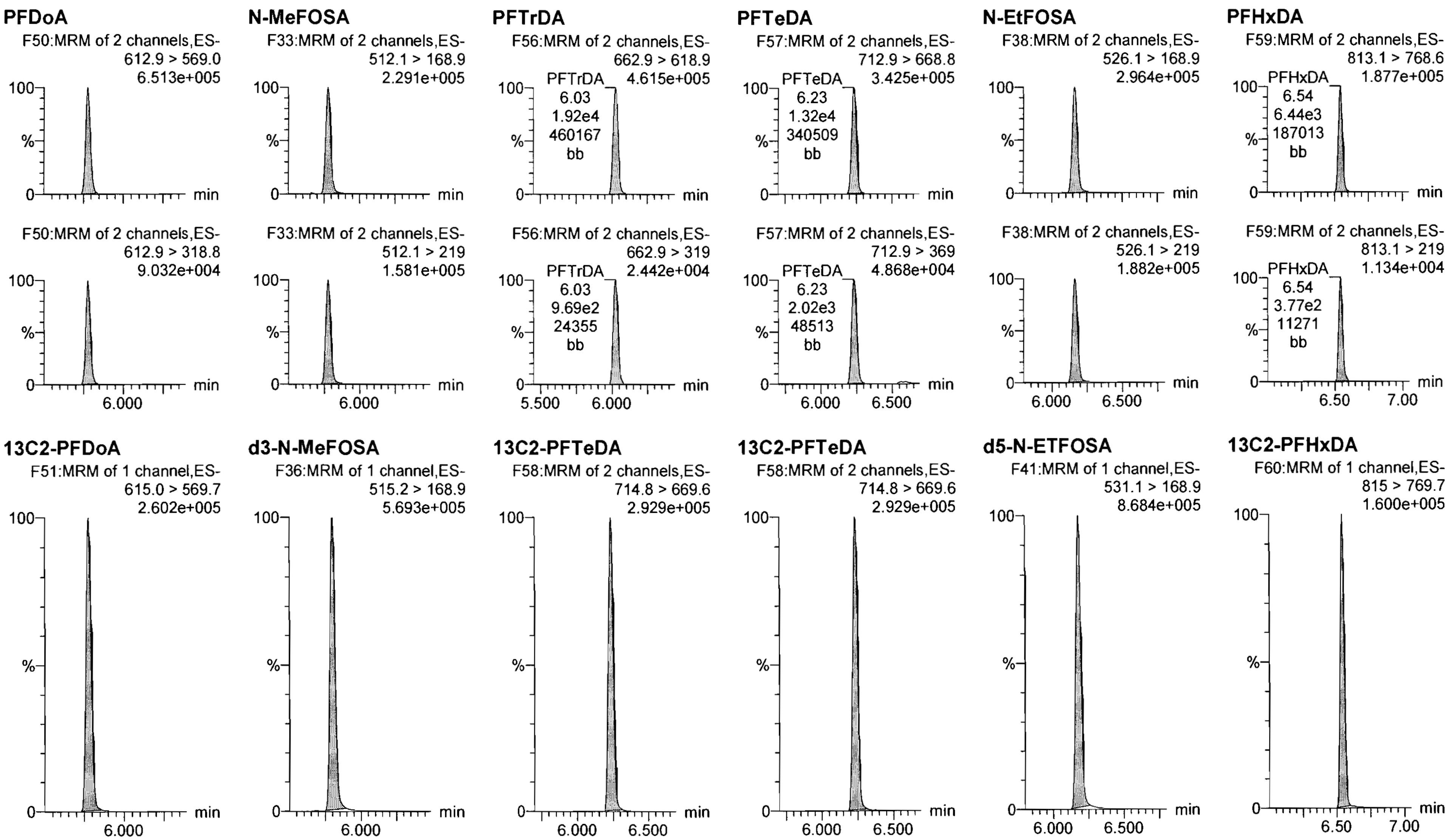

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-82.qld

Last Altered: Friday, December 01, 2017 08:19:10 Pacific Standard Time
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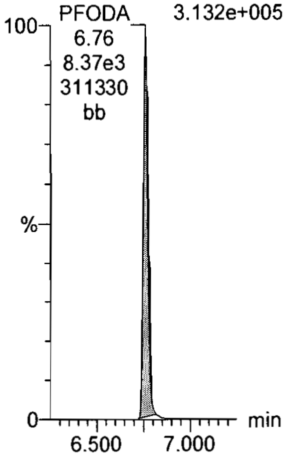
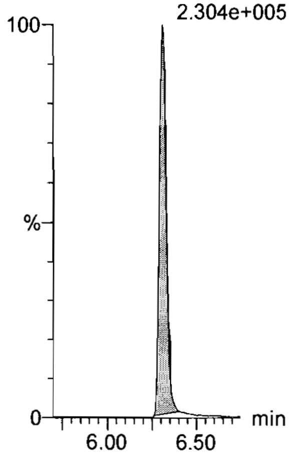
Name: 171130M1_82, Date: 01-Dec-2017, Time: 00:14:58, ID: ST171130M1-6 PFC CS3 17K2810, Description: PFC CS3 17K2810

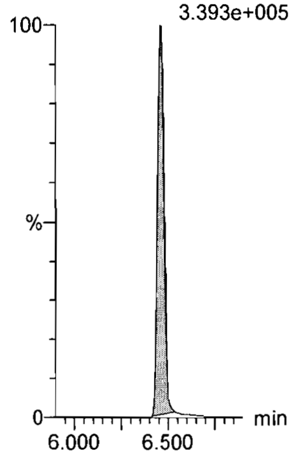
PFODA
F61:MRM of 1 channel,ES-
913.1 > 868.8
3.132e+005



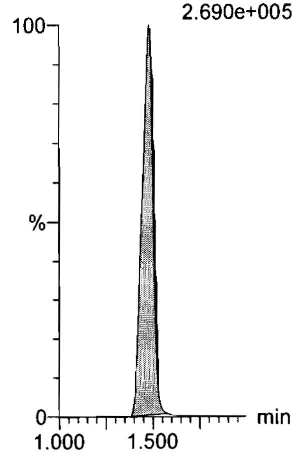
N-MeFOSE
F52:MRM of 1 channel,ES-
616.1 > 58.9
2.304e+005



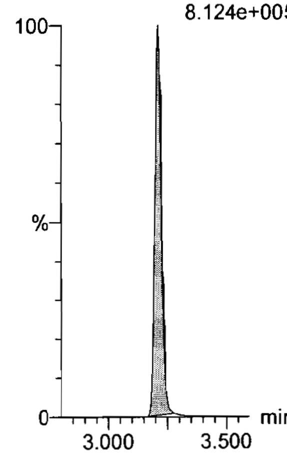
N-EtFOSE
F54:MRM of 1 channel,ES-
630.1 > 58.9
3.393e+005



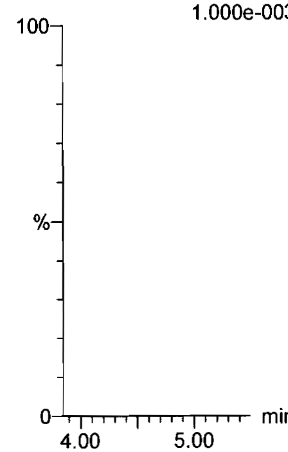
13C4-PFBA
F3:MRM of 1 channel,ES-
217. > 171.8
2.690e+005



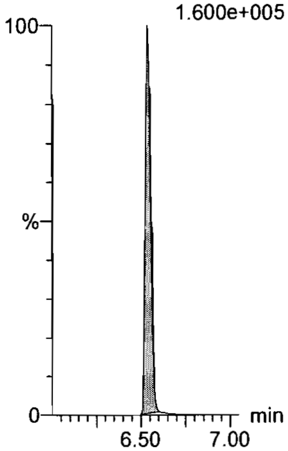
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
8.124e+005



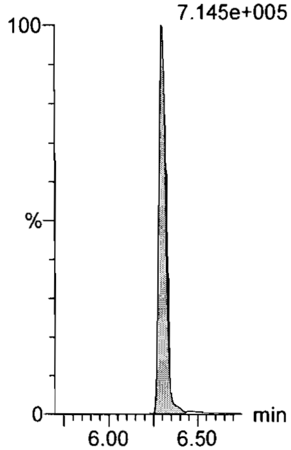
TCDA
F28:MRM of 3 channels,ES-
498.3 > 106.9
1.000e-003



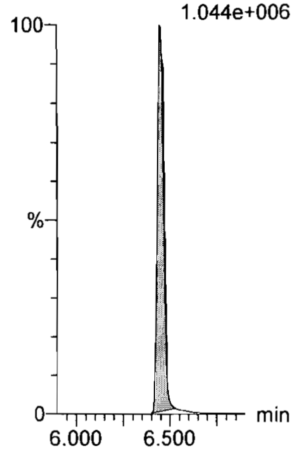
13C2-PFHxDA
F60:MRM of 1 channel,ES-
815 > 769.7
1.600e+005



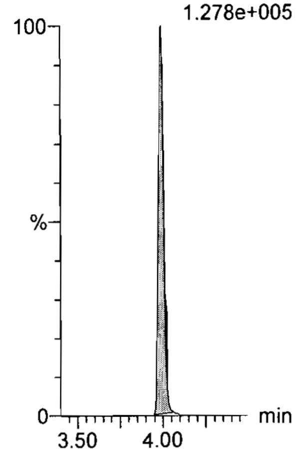
d7-N-MeFOSE
F53:MRM of 1 channel,ES-
623.1 > 58.9
7.145e+005



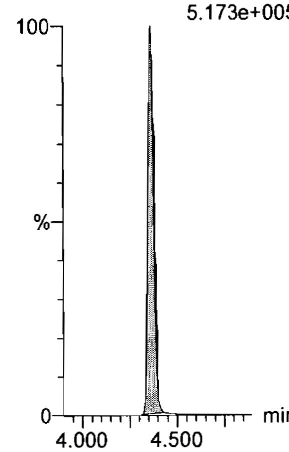
d9-N-EtFOSE
F55:MRM of 1 channel,ES-
639.2 > 58.8
1.044e+006



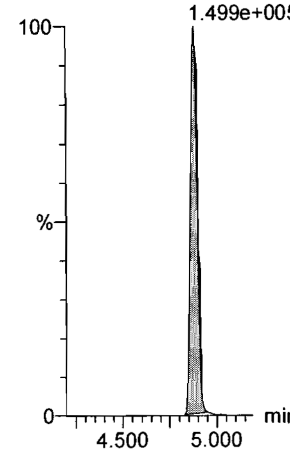
13C3-PFHxS
F16:MRM of 1 channel,ES-
401.9 > 79.9
1.278e+005



13C8-PFOA
F20:MRM of 1 channel,ES-
421.3 > 376
5.173e+005



13C8-PFOS
F32:MRM of 1 channel,ES-
507.0 > 79.9
1.499e+005



Dataset: U:\Q4.PRO\results\171130M1\171130M1-82.qld

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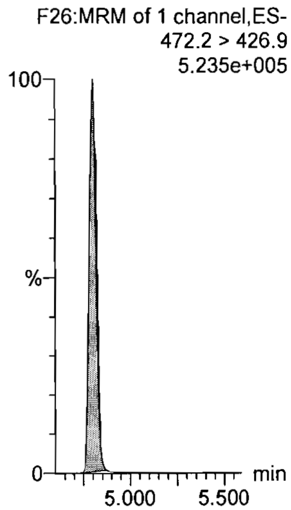
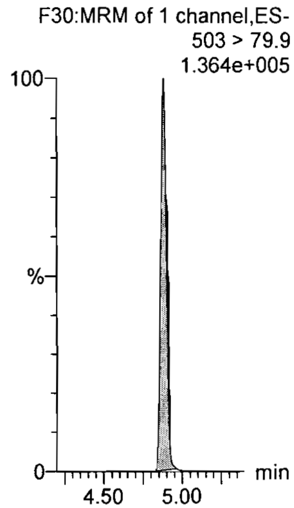
Printed: Friday, December 01, 2017 08:19:35 Pacific Standard Time

Name: 171130M1_82, Date: 01-Dec-2017, Time: 00:14:58, ID: ST171130M1-6 PFC CS3 17K2810, Description: PFC CS3 17K2810

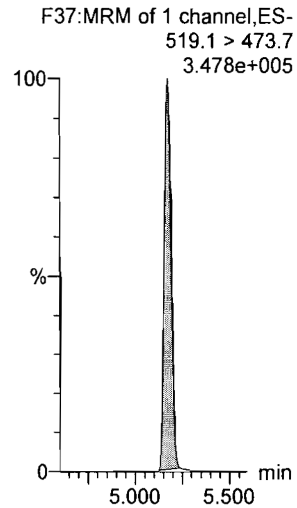
13C9-PFNA



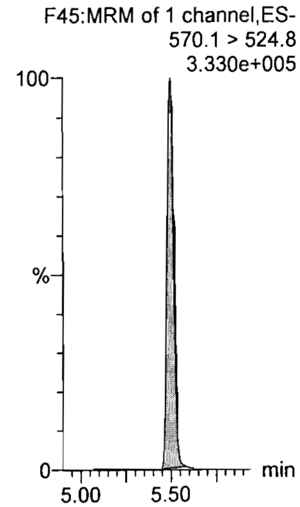
13C4-PFOS



13C6-PFDA



13C7-PFUdA



Dataset: U:\Q4.PRO\results\171201M1\171201M1-IIS AREAS.qld

Last Altered: Saturday, December 02, 2017 12:12:08 Pacific Standard Time
Printed: Saturday, December 02, 2017 12:35:58 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_RS-11-18-17.mdb 19 Nov 2017 11:17:03
Calibration: 02 Dec 2017 12:08:45

Name: 171201M1_2, Date: 01-Dec-2017, Time: 15:11:13, ID: ST171201M1-1 PFC CS0 17K2808, Description: PFC CS0 17K2808

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST171201M1-1 PFC CS0 17K2808	1.16e4	100.0	NO
2	2 13C5-PFHxA	ST171201M1-1 PFC CS0 17K2808	1.55e4	100.0	NO
3	3 13C3-PFHxS	ST171201M1-1 PFC CS0 17K2808	3.07e3	100.0	NO
4	4 13C8-PFOA	ST171201M1-1 PFC CS0 17K2808	1.00e4	100.0	NO
5	5 13C9-PFNA	ST171201M1-1 PFC CS0 17K2808	1.36e4	100.0	NO
6	6 13C4-PFOS	ST171201M1-1 PFC CS0 17K2808	3.50e3	100.0	NO
7	7 13C6-PFDA	ST171201M1-1 PFC CS0 17K2808	6.73e3	100.0	NO
8	8 13C7-PFUdA	ST171201M1-1 PFC CS0 17K2808	1.05e4	100.0	NO

Name: 171201M1_3, Date: 01-Dec-2017, Time: 15:22:24, ID: IPA, Description: IPA

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

Name: 171201M1_4, Date: 01-Dec-2017, Time: 15:33:34, ID: B7K0168-BS1 OPR 1, Description: OPR

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7K0168-BS1 OPR 1	9.49e3	81.7	NO
2	2 13C5-PFHxA	B7K0168-BS1 OPR 1	1.36e4	87.5	NO
3	3 13C3-PFHxS	B7K0168-BS1 OPR 1	2.81e3	91.6	NO
4	4 13C8-PFOA	B7K0168-BS1 OPR 1	9.08e3	90.6	NO
5	5 13C9-PFNA	B7K0168-BS1 OPR 1	8.38e3	61.4	NO
6	6 13C4-PFOS	B7K0168-BS1 OPR 1	1.63e3	46.6	YES
7	7 13C6-PFDA	B7K0168-BS1 OPR 1	2.59e3	38.5	YES
8	8 13C7-PFUdA	B7K0168-BS1 OPR 1	1.91e3	18.2	YES

Name: 171201M1_5, Date: 01-Dec-2017, Time: 15:44:45, ID: IPA, Description: IPA

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

AC 12/2/17

Dataset: U:\Q4.PRO\results\171201M1\171201M1-IIS AREAS.qld

Last Altered: Saturday, December 02, 2017 12:12:08 Pacific Standard Time
Printed: Saturday, December 02, 2017 12:35:58 Pacific Standard Time

Name: 171201M1_6, Date: 01-Dec-2017, Time: 15:55:55, ID: B7K0168-BLK1 Method Blank 1, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7K0168-BLK1 Method Blank 1	9.59e3	82.6	NO
2	2	13C5-PFHxA	B7K0168-BLK1 Method Blank 1	1.24e4	79.9	NO
3	3	13C3-PFHxS	B7K0168-BLK1 Method Blank 1	2.25e3	73.3	NO
4	4	13C8-PFOA	B7K0168-BLK1 Method Blank 1	1.02e4	102.2	NO
5	5	13C9-PFNA	B7K0168-BLK1 Method Blank 1	1.08e4	79.3	NO
6	6	13C4-PFOS	B7K0168-BLK1 Method Blank 1	2.37e3	67.7	NO
7	7	13C6-PFDA	B7K0168-BLK1 Method Blank 1	4.99e3	74.2	NO
8	8	13C7-PFUdA	B7K0168-BLK1 Method Blank 1	4.13e3	39.4	YES

Name: 171201M1_7, Date: 01-Dec-2017, Time: 16:07:06, ID: B7K0168-MS1 Matrix Spike 1.16, Description: Matrix Spike

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7K0168-MS1 Matrix Spike 1.16	8.98e3	77.3	NO
2	2	13C5-PFHxA	B7K0168-MS1 Matrix Spike 1.16	1.31e4	84.3	NO
3	3	13C3-PFHxS	B7K0168-MS1 Matrix Spike 1.16	3.06e3	99.7	NO
4	4	13C8-PFOA	B7K0168-MS1 Matrix Spike 1.16	9.03e3	90.0	NO
5	5	13C9-PFNA	B7K0168-MS1 Matrix Spike 1.16	1.04e4	76.1	NO
6	6	13C4-PFOS	B7K0168-MS1 Matrix Spike 1.16	3.23e3	92.4	NO
7	7	13C6-PFDA	B7K0168-MS1 Matrix Spike 1.16	4.96e3	73.7	NO
8	8	13C7-PFUdA	B7K0168-MS1 Matrix Spike 1.16	5.09e3	48.5	YES

Name: 171201M1_7, Date: 01-Dec-2017, Time: 16:07:06, ID: B7K0168-MS1 Matrix Spike 1.16, Description: Matrix Spike

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7K0168-MS1 Matrix Spike 1.16	8.98e3	77.3	NO
2	2	13C5-PFHxA	B7K0168-MS1 Matrix Spike 1.16	1.31e4	84.3	NO
3	3	13C3-PFHxS	B7K0168-MS1 Matrix Spike 1.16	3.06e3	99.7	NO
4	4	13C8-PFOA	B7K0168-MS1 Matrix Spike 1.16	9.03e3	90.0	NO
5	5	13C9-PFNA	B7K0168-MS1 Matrix Spike 1.16	1.04e4	76.1	NO
6	6	13C4-PFOS	B7K0168-MS1 Matrix Spike 1.16	3.23e3	92.4	NO
7	7	13C6-PFDA	B7K0168-MS1 Matrix Spike 1.16	4.96e3	73.7	NO
8	8	13C7-PFUdA	B7K0168-MS1 Matrix Spike 1.16	5.09e3	48.5	YES

Name: 171201M1_8, Date: 01-Dec-2017, Time: 16:18:17, ID: 1701663-01 TRUAX-07-SO-DUP2-110717 1.27, Description: TRUAX-07-SO-DUP2-110717

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701663-01 TRUAX-07-SO-DUP2-1107...	9.18e3	79.0	NO
2	2	13C5-PFHxA	1701663-01 TRUAX-07-SO-DUP2-1107...	1.35e4	86.6	NO
3	3	13C3-PFHxS	1701663-01 TRUAX-07-SO-DUP2-1107...	2.78e3	90.6	NO
4	4	13C8-PFOA	1701663-01 TRUAX-07-SO-DUP2-1107...	1.03e4	103.0	NO
5	5	13C9-PFNA	1701663-01 TRUAX-07-SO-DUP2-1107...	9.60e3	70.4	NO
6	6	13C4-PFOS	1701663-01 TRUAX-07-SO-DUP2-1107...	2.61e3	74.4	NO
7	7	13C6-PFDA	1701663-01 TRUAX-07-SO-DUP2-1107...	5.19e3	77.1	NO
8	8	13C7-PFUdA	1701663-01 TRUAX-07-SO-DUP2-1107...	5.58e3	53.2	NO

AC 12/2/17

Dataset: U:\Q4.PRO\results\171201M1\171201M1-IIS AREAS.qld

Last Altered: Saturday, December 02, 2017 12:12:08 Pacific Standard Time
Printed: Saturday, December 02, 2017 12:35:58 Pacific Standard Time

Name: 171201M1_9, Date: 01-Dec-2017, Time: 16:29:28, ID: 1701663-02 TRUAX-07-SB01-110717-0.5-1.0 1.17, Description: TRUAX-07-SB01-110717-0.5-1.0

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701663-02 TRUAX-07-SB01-110717-0...	1.01e4	87.1	NO
2	2	13C5-PFHxA	1701663-02 TRUAX-07-SB01-110717-0...	1.41e4	91.0	NO
3	3	13C3-PFHxS	1701663-02 TRUAX-07-SB01-110717-0...	2.67e3	87.2	NO
4	4	13C8-PFOA	1701663-02 TRUAX-07-SB01-110717-0...	1.06e4	105.3	NO
5	5	13C9-PFNA	1701663-02 TRUAX-07-SB01-110717-0...	1.08e4	79.0	NO
6	6	13C4-PFOS	1701663-02 TRUAX-07-SB01-110717-0...	2.65e3	75.8	NO
7	7	13C6-PFDA	1701663-02 TRUAX-07-SB01-110717-0...	3.55e3	52.7	NO
8	8	13C7-PFUdA	1701663-02 TRUAX-07-SB01-110717-0...	3.11e3	29.6	YES

Name: 171201M1_10, Date: 01-Dec-2017, Time: 16:40:38, ID: 1701663-03 TRUAX-07-SB01-110717-4.5-5.0 1.1, Description: TRUAX-07-SB01-110717-4.5-5.0

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701663-03 TRUAX-07-SB01-110717-4...	9.84e3	84.8	NO
2	2	13C5-PFHxA	1701663-03 TRUAX-07-SB01-110717-4...	1.27e4	81.9	NO
3	3	13C3-PFHxS	1701663-03 TRUAX-07-SB01-110717-4...	2.94e3	95.9	NO
4	4	13C8-PFOA	1701663-03 TRUAX-07-SB01-110717-4...	1.02e4	102.1	NO
5	5	13C9-PFNA	1701663-03 TRUAX-07-SB01-110717-4...	1.19e4	87.2	NO
6	6	13C4-PFOS	1701663-03 TRUAX-07-SB01-110717-4...	2.24e3	63.9	NO
7	7	13C6-PFDA	1701663-03 TRUAX-07-SB01-110717-4...	3.23e3	48.1	YES
8	8	13C7-PFUdA	1701663-03 TRUAX-07-SB01-110717-4...	2.61e3	24.9	YES

Name: 171201M1_11, Date: 01-Dec-2017, Time: 16:51:49, ID: 1701663-04 TRUAX-08-SB03-110717-0.5-1.0 1.23, Description: TRUAX-08-SB03-110717-0.5-1.0

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701663-04 TRUAX-08-SB03-110717-0...	9.38e3	80.8	NO
2	2	13C5-PFHxA	1701663-04 TRUAX-08-SB03-110717-0...	1.25e4	80.6	NO
3	3	13C3-PFHxS	1701663-04 TRUAX-08-SB03-110717-0...	2.63e3	85.7	NO
4	4	13C8-PFOA	1701663-04 TRUAX-08-SB03-110717-0...	9.95e3	99.2	NO
5	5	13C9-PFNA	1701663-04 TRUAX-08-SB03-110717-0...	1.04e4	76.4	NO
6	6	13C4-PFOS	1701663-04 TRUAX-08-SB03-110717-0...	3.01e3	85.9	NO
7	7	13C6-PFDA	1701663-04 TRUAX-08-SB03-110717-0...	5.32e3	79.1	NO
8	8	13C7-PFUdA	1701663-04 TRUAX-08-SB03-110717-0...	4.35e3	41.4	YES

Name: 171201M1_12, Date: 01-Dec-2017, Time: 17:03:00, ID: 1701663-05 TRUAX-08-SB03-110717-4.5-5.0 1.31, Description: TRUAX-08-SB03-110717-4.5-5.0

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701663-05 TRUAX-08-SB03-110717-4...	9.77e3	84.2	NO
2	2	13C5-PFHxA	1701663-05 TRUAX-08-SB03-110717-4...	1.45e4	93.3	NO
3	3	13C3-PFHxS	1701663-05 TRUAX-08-SB03-110717-4...	2.87e3	93.7	NO
4	4	13C8-PFOA	1701663-05 TRUAX-08-SB03-110717-4...	1.06e4	106.0	NO
5	5	13C9-PFNA	1701663-05 TRUAX-08-SB03-110717-4...	9.61e3	70.4	NO
6	6	13C4-PFOS	1701663-05 TRUAX-08-SB03-110717-4...	2.14e3	61.2	NO
7	7	13C6-PFDA	1701663-05 TRUAX-08-SB03-110717-4...	3.79e3	56.3	NO
8	8	13C7-PFUdA	1701663-05 TRUAX-08-SB03-110717-4...	3.52e3	33.5	YES

AC 12/2/17

Dataset: U:\Q4.PRO\results\171201M1\171201M1-IIS AREAS.qld

Last Altered: Saturday, December 02, 2017 12:12:08 Pacific Standard Time
Printed: Saturday, December 02, 2017 12:35:58 Pacific Standard Time

Name: 171201M1_13, Date: 01-Dec-2017, Time: 17:14:10, ID: 1701663-07 TRUAX-08-SO-DUP3-110717 1.13, Description: TRUAX-08-SO-DUP3-110717

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701663-07 TRUAX-08-SO-DUP3-1107...	8.65e3	74.5	NO
2	2	13C5-PFHxA	1701663-07 TRUAX-08-SO-DUP3-1107...	1.21e4	77.7	NO
3	3	13C3-PFHxS	1701663-07 TRUAX-08-SO-DUP3-1107...	2.44e3	79.8	NO
4	4	13C8-PFOA	1701663-07 TRUAX-08-SO-DUP3-1107...	8.54e3	85.2	NO
5	5	13C9-PFNA	1701663-07 TRUAX-08-SO-DUP3-1107...	9.62e3	70.5	NO
6	6	13C4-PFOS	1701663-07 TRUAX-08-SO-DUP3-1107...	2.73e3	77.9	NO
7	7	13C6-PFDA	1701663-07 TRUAX-08-SO-DUP3-1107...	3.17e3	47.2	YES
8	8	13C7-PFUdA	1701663-07 TRUAX-08-SO-DUP3-1107...	3.73e3	35.6	YES

Name: 171201M1_14, Date: 01-Dec-2017, Time: 17:25:21, ID: 1701663-08 TRUAX-08-SB02-110717-5.0-5.5 1.17, Description: TRUAX-08-SB02-110717-5.0-5.5

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701663-08 TRUAX-08-SB02-110717-5...	9.69e3	83.4	NO
2	2	13C5-PFHxA	1701663-08 TRUAX-08-SB02-110717-5...	1.39e4	89.4	NO
3	3	13C3-PFHxS	1701663-08 TRUAX-08-SB02-110717-5...	2.74e3	89.5	NO
4	4	13C8-PFOA	1701663-08 TRUAX-08-SB02-110717-5...	1.07e4	107.1	NO
5	5	13C9-PFNA	1701663-08 TRUAX-08-SB02-110717-5...	1.18e4	86.3	NO
6	6	13C4-PFOS	1701663-08 TRUAX-08-SB02-110717-5...	2.69e3	76.9	NO
7	7	13C6-PFDA	1701663-08 TRUAX-08-SB02-110717-5...	5.20e3	77.3	NO
8	8	13C7-PFUdA	1701663-08 TRUAX-08-SB02-110717-5...	3.58e3	34.1	YES

Name: 171201M1_15, Date: 01-Dec-2017, Time: 17:36:32, ID: 1701663-10 TRUAX-08-SB01-110717-5.0-5.5 1.16, Description: TRUAX-08-SB01-110717-5.0-5.5

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701663-10 TRUAX-08-SB01-110717-5...	9.88e3	85.1	NO
2	2	13C5-PFHxA	1701663-10 TRUAX-08-SB01-110717-5...	1.42e4	91.3	NO
3	3	13C3-PFHxS	1701663-10 TRUAX-08-SB01-110717-5...	3.04e3	99.0	NO
4	4	13C8-PFOA	1701663-10 TRUAX-08-SB01-110717-5...	8.46e3	84.3	NO
5	5	13C9-PFNA	1701663-10 TRUAX-08-SB01-110717-5...	8.76e3	64.2	NO
6	6	13C4-PFOS	1701663-10 TRUAX-08-SB01-110717-5...	1.73e3	49.4	YES
7	7	13C6-PFDA	1701663-10 TRUAX-08-SB01-110717-5...	3.84e3	57.1	NO
8	8	13C7-PFUdA	1701663-10 TRUAX-08-SB01-110717-5...	2.38e3	22.7	YES

Name: 171201M1_16, Date: 01-Dec-2017, Time: 17:47:43, ID: 1701663-11 TRUAX-06-SB03-4.5-5.5 1.27, Description: TRUAX-06-SB03-4.5-5.5

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701663-11 TRUAX-06-SB03-4.5-5.5 1....	9.88e3	85.1	NO
2	2	13C5-PFHxA	1701663-11 TRUAX-06-SB03-4.5-5.5 1....	1.49e4	95.8	NO
3	3	13C3-PFHxS	1701663-11 TRUAX-06-SB03-4.5-5.5 1....	2.86e3	93.3	NO
4	4	13C8-PFOA	1701663-11 TRUAX-06-SB03-4.5-5.5 1....	9.99e3	99.6	NO
5	5	13C9-PFNA	1701663-11 TRUAX-06-SB03-4.5-5.5 1....	8.72e3	63.9	NO
6	6	13C4-PFOS	1701663-11 TRUAX-06-SB03-4.5-5.5 1....	1.74e3	49.7	YES
7	7	13C6-PFDA	1701663-11 TRUAX-06-SB03-4.5-5.5 1....	4.90e3	72.9	NO
8	8	13C7-PFUdA	1701663-11 TRUAX-06-SB03-4.5-5.5 1....	2.99e3	28.5	YES

AC 12/2/17

Dataset: U:\Q4.PRO\results\171201M1\171201M1-IIS AREAS.qld

Last Altered: Saturday, December 02, 2017 12:12:08 Pacific Standard Time
Printed: Saturday, December 02, 2017 12:35:58 Pacific Standard Time

Name: 171201M1_17, Date: 01-Dec-2017, Time: 17:58:53, ID: 1701663-12 TRUAX-06-SB03-7.0-7.5 1.21, Description: TRUAX-06-SB03-7.0-7.5

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701663-12 TRUAX-06-SB03-7.0-7.5 1....	9.18e3	79.1	NO
2	2	13C5-PFHxA	1701663-12 TRUAX-06-SB03-7.0-7.5 1....	1.36e4	87.5	NO
3	3	13C3-PFHxS	1701663-12 TRUAX-06-SB03-7.0-7.5 1....	2.53e3	82.5	NO
4	4	13C8-PFOA	1701663-12 TRUAX-06-SB03-7.0-7.5 1....	1.00e4	99.7	NO
5	5	13C9-PFNA	1701663-12 TRUAX-06-SB03-7.0-7.5 1....	1.05e4	77.2	NO
6	6	13C4-PFOS	1701663-12 TRUAX-06-SB03-7.0-7.5 1....	2.03e3	57.9	NO
7	7	13C6-PFDA	1701663-12 TRUAX-06-SB03-7.0-7.5 1....	4.87e3	72.4	NO
8	8	13C7-PFUdA	1701663-12 TRUAX-06-SB03-7.0-7.5 1....	2.91e3	27.8	YES

Name: 171201M1_18, Date: 01-Dec-2017, Time: 18:10:04, ID: IPA, Description: IPA

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

Name: 171201M1_19, Date: 01-Dec-2017, Time: 18:21:15, ID: ST171201M1-2 PFC CS3 17K2810, Description: PFC CS3 17K2810

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST171201M1-2 PFC CS3 17K2810	1.25e4	107.3	NO
2	2	13C5-PFHxA	ST171201M1-2 PFC CS3 17K2810	1.74e4	112.2	NO
3	3	13C3-PFHxS	ST171201M1-2 PFC CS3 17K2810	3.34e3	108.8	NO
4	4	13C8-PFOA	ST171201M1-2 PFC CS3 17K2810	1.24e4	123.4	NO
5	5	13C9-PFNA	ST171201M1-2 PFC CS3 17K2810	1.44e4	105.7	NO
6	6	13C4-PFOS	ST171201M1-2 PFC CS3 17K2810	3.78e3	108.0	NO
7	7	13C6-PFDA	ST171201M1-2 PFC CS3 17K2810	8.48e3	126.0	NO
8	8	13C7-PFUdA	ST171201M1-2 PFC CS3 17K2810	1.07e4	101.6	NO

Name: 171201M1_20, Date: 01-Dec-2017, Time: 18:32:25, ID: IPA, Description: IPA

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

AC 12/2/17

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Name: 171201M1_21, Date: 01-Dec-2017, Time: 18:43:39, ID: B7K0162-BLK1 Method Blank 0.25, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7K0162-BLK1 Method Blank 0.25	7.74e3	66.7	NO
2	2	13C5-PFHxA	B7K0162-BLK1 Method Blank 0.25	1.15e4	73.8	NO
3	3	13C3-PFHxS	B7K0162-BLK1 Method Blank 0.25	2.04e3	66.7	NO
4	4	13C8-PFOA	B7K0162-BLK1 Method Blank 0.25	7.92e3	79.0	NO
5	5	13C9-PFNA	B7K0162-BLK1 Method Blank 0.25	1.08e4	79.5	NO
6	6	13C4-PFOS	B7K0162-BLK1 Method Blank 0.25	1.99e3	56.7	NO
7	7	13C6-PFDA	B7K0162-BLK1 Method Blank 0.25	4.12e3	61.2	NO
8	8	13C7-PFUdA	B7K0162-BLK1 Method Blank 0.25	6.51e3	62.0	NO

Name: 171201M1_22, Date: 01-Dec-2017, Time: 18:54:48, ID: 1701663-14 TRUAX-06-SB02-110717-4.5-5.0 1.27, Description: TRUAX-06-SB02-110717-4.5-5.0

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701663-14 TRUAX-06-SB02-110717-4...	1.02e4	87.5	NO
2	2	13C5-PFHxA	1701663-14 TRUAX-06-SB02-110717-4...	1.55e4	99.4	NO
3	3	13C3-PFHxS	1701663-14 TRUAX-06-SB02-110717-4...	3.12e3	101.9	NO
4	4	13C8-PFOA	1701663-14 TRUAX-06-SB02-110717-4...	9.98e3	99.5	NO
5	5	13C9-PFNA	1701663-14 TRUAX-06-SB02-110717-4...	1.05e4	76.6	NO
6	6	13C4-PFOS	1701663-14 TRUAX-06-SB02-110717-4...	2.41e3	68.8	NO
7	7	13C6-PFDA	1701663-14 TRUAX-06-SB02-110717-4...	4.89e3	72.7	NO
8	8	13C7-PFUdA	1701663-14 TRUAX-06-SB02-110717-4...	3.50e3	33.4	YES

Name: 171201M1_23, Date: 01-Dec-2017, Time: 19:05:58, ID: 1701663-16 TRUAX-09-SB03-110717-6.5-7.0 1.34, Description: TRUAX-09-SB03-110717-6.5-7.0

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701663-16 TRUAX-09-SB03-110717-6...	9.59e3	82.6	NO
2	2	13C5-PFHxA	1701663-16 TRUAX-09-SB03-110717-6...	1.37e4	88.0	NO
3	3	13C3-PFHxS	1701663-16 TRUAX-09-SB03-110717-6...	2.55e3	83.1	NO
4	4	13C8-PFOA	1701663-16 TRUAX-09-SB03-110717-6...	9.45e3	94.2	NO
5	5	13C9-PFNA	1701663-16 TRUAX-09-SB03-110717-6...	8.40e3	61.5	NO
6	6	13C4-PFOS	1701663-16 TRUAX-09-SB03-110717-6...	2.06e3	58.9	NO
7	7	13C6-PFDA	1701663-16 TRUAX-09-SB03-110717-6...	5.75e3	85.4	NO
8	8	13C7-PFUdA	1701663-16 TRUAX-09-SB03-110717-6...	4.05e3	38.6	YES

Name: 171201M1_24, Date: 01-Dec-2017, Time: 19:17:10, ID: 1701663-17 TRUAX-07-SB03-110717-0.5-1.0 1.2, Description: TRUAX-07-SB03-110717-0.5-1.0

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701663-17 TRUAX-07-SB03-110717-0...	9.15e3	78.8	NO
2	2	13C5-PFHxA	1701663-17 TRUAX-07-SB03-110717-0...	1.35e4	86.8	NO
3	3	13C3-PFHxS	1701663-17 TRUAX-07-SB03-110717-0...	2.52e3	82.2	NO
4	4	13C8-PFOA	1701663-17 TRUAX-07-SB03-110717-0...	7.71e3	76.9	NO
5	5	13C9-PFNA	1701663-17 TRUAX-07-SB03-110717-0...	1.07e4	78.6	NO
6	6	13C4-PFOS	1701663-17 TRUAX-07-SB03-110717-0...	2.66e3	75.9	NO
7	7	13C6-PFDA	1701663-17 TRUAX-07-SB03-110717-0...	5.65e3	84.1	NO
8	8	13C7-PFUdA	1701663-17 TRUAX-07-SB03-110717-0...	3.88e3	37.0	YES

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Printed: Saturday, December 02, 2017 12:35:58 Pacific Standard Time

Name: 171201M1_25, Date: 01-Dec-2017, Time: 19:28:20, ID: 1701663-18 TRUAX-07-SB03-110717-5.0-5.5 1.28, Description: TRUAX-07-SB03-110717-5.0-5.5

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701663-18 TRUAX-07-SB03-110717-5...	9.07e3	78.1	NO
2	2	13C5-PFHxA	1701663-18 TRUAX-07-SB03-110717-5...	1.38e4	88.6	NO
3	3	13C3-PFHxS	1701663-18 TRUAX-07-SB03-110717-5...	2.84e3	92.6	NO
4	4	13C8-PFOA	1701663-18 TRUAX-07-SB03-110717-5...	9.24e3	92.1	NO
5	5	13C9-PFNA	1701663-18 TRUAX-07-SB03-110717-5...	1.01e4	74.3	NO
6	6	13C4-PFOS	1701663-18 TRUAX-07-SB03-110717-5...	2.78e3	79.4	NO
7	7	13C6-PFDA	1701663-18 TRUAX-07-SB03-110717-5...	5.47e3	81.3	NO
8	8	13C7-PFUdA	1701663-18 TRUAX-07-SB03-110717-5...	4.97e3	47.4	YES

Name: 171201M1_26, Date: 01-Dec-2017, Time: 19:39:31, ID: 1701663-20 TRUAX-07-SB02-110717-4.5-5.0 1.33, Description: TRUAX-07-SB02-110717-4.5-5.0

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701663-20 TRUAX-07-SB02-110717-4...	8.75e3	75.3	NO
2	2	13C5-PFHxA	1701663-20 TRUAX-07-SB02-110717-4...	1.31e4	84.2	NO
3	3	13C3-PFHxS	1701663-20 TRUAX-07-SB02-110717-4...	2.88e3	93.8	NO
4	4	13C8-PFOA	1701663-20 TRUAX-07-SB02-110717-4...	8.97e3	89.5	NO
5	5	13C9-PFNA	1701663-20 TRUAX-07-SB02-110717-4...	1.15e4	84.4	NO
6	6	13C4-PFOS	1701663-20 TRUAX-07-SB02-110717-4...	3.42e3	97.7	NO
7	7	13C6-PFDA	1701663-20 TRUAX-07-SB02-110717-4...	4.36e3	64.8	NO
8	8	13C7-PFUdA	1701663-20 TRUAX-07-SB02-110717-4...	5.19e3	49.4	YES

Name: 171201M1_27, Date: 01-Dec-2017, Time: 19:50:42, 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	1.12e1	0.1	YES

Name: 171201M1_28, Date: 01-Dec-2017, Time: 20:01:53, ID: B7K0085-MS1 Matrix Spike 0.12635, Description: Matrix Spike

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7K0085-MS1 Matrix Spike 0.12635	8.70e3	74.9	NO
2	2	13C5-PFHxA	B7K0085-MS1 Matrix Spike 0.12635	1.10e4	70.9	NO
3	3	13C3-PFHxS	B7K0085-MS1 Matrix Spike 0.12635	2.29e3	74.6	NO
4	4	13C8-PFOA	B7K0085-MS1 Matrix Spike 0.12635	9.31e3	92.8	NO
5	5	13C9-PFNA	B7K0085-MS1 Matrix Spike 0.12635	9.69e3	71.0	NO
6	6	13C4-PFOS	B7K0085-MS1 Matrix Spike 0.12635	2.40e3	68.5	NO
7	7	13C6-PFDA	B7K0085-MS1 Matrix Spike 0.12635	4.35e3	64.7	NO
8	8	13C7-PFUdA	B7K0085-MS1 Matrix Spike 0.12635	4.32e3	41.2	YES

AC 12/2/17

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Name: 171201M1_29, Date: 01-Dec-2017, Time: 20:13:02, ID: B7K0085-MSD1 Matrix Spike Dup 0.12326, Description: Matrix Spike Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7K0085-MSD1 Matrix Spike Dup 0.123...	8.32e3	71.7	NO
2	2	13C5-PFHxA	B7K0085-MSD1 Matrix Spike Dup 0.123...	1.25e4	80.2	NO
3	3	13C3-PFHxS	B7K0085-MSD1 Matrix Spike Dup 0.123...	2.55e3	83.3	NO
4	4	13C8-PFOA	B7K0085-MSD1 Matrix Spike Dup 0.123...	8.28e3	82.5	NO
5	5	13C9-PFNA	B7K0085-MSD1 Matrix Spike Dup 0.123...	1.01e4	74.0	NO
6	6	13C4-PFOS	B7K0085-MSD1 Matrix Spike Dup 0.123...	2.65e3	75.7	NO
7	7	13C6-PFDA	B7K0085-MSD1 Matrix Spike Dup 0.123...	4.39e3	65.3	NO
8	8	13C7-PFUdA	B7K0085-MSD1 Matrix Spike Dup 0.123...	3.63e3	34.6	YES

Name: 171201M1_30, Date: 01-Dec-2017, Time: 20:24:13, 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	8.98e0	0.1	YES
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUdA	IPA			NO

Name: 171201M1_31, Date: 01-Dec-2017, Time: 20:35:24, ID: 1701662-01 TRUAX-BB-TWBB01-110817 0.11628, Description: TRUAX-BB-TWBB01-110817

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701662-01 TRUAX-BB-TWBB01-1108...	8.82e3	76.0	NO
2	2	13C5-PFHxA	1701662-01 TRUAX-BB-TWBB01-1108...	1.24e4	79.8	NO
3	3	13C3-PFHxS	1701662-01 TRUAX-BB-TWBB01-1108...	2.43e3	79.2	NO
4	4	13C8-PFOA	1701662-01 TRUAX-BB-TWBB01-1108...	9.76e3	97.3	NO
5	5	13C9-PFNA	1701662-01 TRUAX-BB-TWBB01-1108...	9.50e3	69.6	NO
6	6	13C4-PFOS	1701662-01 TRUAX-BB-TWBB01-1108...	2.88e3	82.1	NO
7	7	13C6-PFDA	1701662-01 TRUAX-BB-TWBB01-1108...	4.70e3	69.8	NO
8	8	13C7-PFUdA	1701662-01 TRUAX-BB-TWBB01-1108...	4.34e3	41.4	YES

Name: 171201M1_32, Date: 01-Dec-2017, Time: 20:46:35, ID: 1701662-02 TRUAX-BB-GW-DUP0101-110817 0.12025, Description: TRUAX-BB-GW-DUP0101-110817

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701662-02 TRUAX-BB-GW-DUP0101-...	8.27e3	71.2	NO
2	2	13C5-PFHxA	1701662-02 TRUAX-BB-GW-DUP0101-...	1.13e4	72.9	NO
3	3	13C3-PFHxS	1701662-02 TRUAX-BB-GW-DUP0101-...	2.50e3	81.7	NO
4	4	13C8-PFOA	1701662-02 TRUAX-BB-GW-DUP0101-...	7.62e3	76.0	NO
5	5	13C9-PFNA	1701662-02 TRUAX-BB-GW-DUP0101-...	1.09e4	79.7	NO
6	6	13C4-PFOS	1701662-02 TRUAX-BB-GW-DUP0101-...	2.12e3	60.4	NO
7	7	13C6-PFDA	1701662-02 TRUAX-BB-GW-DUP0101-...	4.25e3	63.2	NO
8	8	13C7-PFUdA	1701662-02 TRUAX-BB-GW-DUP0101-...	6.08e3	57.9	NO

AC 12/2/17

Dataset: U:\Q4.PRO\results\171201M1\171201M1-IIS AREAS.qld

Last Altered: Saturday, December 02, 2017 12:12:08 Pacific Standard Time
Printed: Saturday, December 02, 2017 12:35:58 Pacific Standard Time

Name: 171201M1_33, Date: 01-Dec-2017, Time: 20:57:46, ID: 1701662-03 TRUAX-06-TW06-110617 0.11787, Description: TRUAX-06-TW06-110617

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701662-03 TRUAX-06-TW06-110617 ...	8.17e3	70.3	NO
2	2	13C5-PFHxA	1701662-03 TRUAX-06-TW06-110617 ...	1.19e4	76.3	NO
3	3	13C3-PFHxS	1701662-03 TRUAX-06-TW06-110617 ...	2.14e3	69.7	NO
4	4	13C8-PFOA	1701662-03 TRUAX-06-TW06-110617 ...	7.81e3	77.8	NO
5	5	13C9-PFNA	1701662-03 TRUAX-06-TW06-110617 ...	1.00e4	73.4	NO
6	6	13C4-PFOS	1701662-03 TRUAX-06-TW06-110617 ...	2.62e3	74.7	NO
7	7	13C6-PFDA	1701662-03 TRUAX-06-TW06-110617 ...	5.69e3	84.7	NO
8	8	13C7-PFUdA	1701662-03 TRUAX-06-TW06-110617 ...	3.62e3	34.5	YES

Name: 171201M1_34, Date: 01-Dec-2017, Time: 21:08:56, ID: 1701662-04 TRUAX-01-TW01-110817 0.12211, Description: TRUAX-01-TW01-110817

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701662-04 TRUAX-01-TW01-110817 ...	8.65e3	74.4	NO
2	2	13C5-PFHxA	1701662-04 TRUAX-01-TW01-110817 ...	1.27e4	81.9	NO
3	3	13C3-PFHxS	1701662-04 TRUAX-01-TW01-110817 ...	1.87e3	61.1	NO
4	4	13C8-PFOA	1701662-04 TRUAX-01-TW01-110817 ...	8.83e3	88.1	NO
5	5	13C9-PFNA	1701662-04 TRUAX-01-TW01-110817 ...	1.10e4	80.4	NO
6	6	13C4-PFOS	1701662-04 TRUAX-01-TW01-110817 ...	1.34e3	38.3	YES
7	7	13C6-PFDA	1701662-04 TRUAX-01-TW01-110817 ...	4.25e3	63.2	NO
8	8	13C7-PFUdA	1701662-04 TRUAX-01-TW01-110817 ...	4.15e3	39.6	YES

Name: 171201M1_35, Date: 01-Dec-2017, Time: 21:20:06, ID: IPA, Description: IPA

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

Name: 171201M1_36, Date: 01-Dec-2017, Time: 21:31:17, ID: 1701662-05 TRUAX-03-TW03-110817 0.12109, Description: TRUAX-03-TW03-110817

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701662-05 TRUAX-03-TW03-110817 ...	8.54e3	73.5	NO
2	2	13C5-PFHxA	1701662-05 TRUAX-03-TW03-110817 ...	1.21e4	78.1	NO
3	3	13C3-PFHxS	1701662-05 TRUAX-03-TW03-110817 ...	1.92e3	62.8	NO
4	4	13C8-PFOA	1701662-05 TRUAX-03-TW03-110817 ...	9.09e3	90.6	NO
5	5	13C9-PFNA	1701662-05 TRUAX-03-TW03-110817 ...	1.11e4	81.4	NO
6	6	13C4-PFOS	1701662-05 TRUAX-03-TW03-110817 ...	1.85e3	52.7	NO
7	7	13C6-PFDA	1701662-05 TRUAX-03-TW03-110817 ...	5.53e3	82.2	NO
8	8	13C7-PFUdA	1701662-05 TRUAX-03-TW03-110817 ...	4.00e3	38.1	YES

AC 12/2/17

Dataset: U:\Q4.PRO\results\171201M1\171201M1-IIS AREAS.qld

Last Altered: Saturday, December 02, 2017 12:12:08 Pacific Standard Time
Printed: Saturday, December 02, 2017 12:35:58 Pacific Standard Time

Name: 171201M1_37, Date: 01-Dec-2017, Time: 21:42:28, ID: IPA, Description: IPA

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

Name: 171201M1_38, Date: 01-Dec-2017, Time: 21:53:39, ID: ST171201M1-3 PFC CS3 17K2810, Description: PFC CS3 17K2810

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST171201M1-3 PFC CS3 17K2810	1.29e4	111.0	NO
2	2	13C5-PFHxA	ST171201M1-3 PFC CS3 17K2810	1.68e4	108.3	NO
3	3	13C3-PFHxS	ST171201M1-3 PFC CS3 17K2810	3.66e3	119.4	NO
4	4	13C8-PFOA	ST171201M1-3 PFC CS3 17K2810	1.32e4	131.7	NO
5	5	13C9-PFNA	ST171201M1-3 PFC CS3 17K2810	1.56e4	114.2	NO
6	6	13C4-PFOS	ST171201M1-3 PFC CS3 17K2810	4.37e3	124.7	NO
7	7	13C6-PFDA	ST171201M1-3 PFC CS3 17K2810	8.64e3	128.4	NO
8	8	13C7-PFUdA	ST171201M1-3 PFC CS3 17K2810	1.34e4	127.8	NO

Name: 171201M1_39, Date: 01-Dec-2017, Time: 22:04:49, ID: IPA, Description: IPA

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

Name: 171201M1_40, Date: 01-Dec-2017, Time: 22:16:00, ID: 1701662-06 TRUAX-07-TW07-110817 0.11822, Description: TRUAX-07-TW07-110817

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701662-06 TRUAX-07-TW07-110817 ...	9.11e3	78.5	NO
2	2	13C5-PFHxA	1701662-06 TRUAX-07-TW07-110817 ...	1.22e4	78.4	NO
3	3	13C3-PFHxS	1701662-06 TRUAX-07-TW07-110817 ...	2.52e3	82.1	NO
4	4	13C8-PFOA	1701662-06 TRUAX-07-TW07-110817 ...	8.33e3	83.0	NO
5	5	13C9-PFNA	1701662-06 TRUAX-07-TW07-110817 ...	8.50e3	62.3	NO
6	6	13C4-PFOS	1701662-06 TRUAX-07-TW07-110817 ...	2.23e3	63.6	NO
7	7	13C6-PFDA	1701662-06 TRUAX-07-TW07-110817 ...	4.55e3	67.6	NO
8	8	13C7-PFUdA	1701662-06 TRUAX-07-TW07-110817 ...	4.13e3	39.4	YES

AC 12/2/17

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Name: 171201M1_41, Date: 01-Dec-2017, Time: 22:27:10, ID: IPA, Description: IPA

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

Name: 171201M1_42, Date: 01-Dec-2017, Time: 22:38:22, ID: 1701662-07 TRUAX-02-TW02-110817 0.12754, Description: TRUAX-02-TW02-110817

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701662-07 TRUAX-02-TW02-110817 ...	8.85e3	76.2	NO
2	2	13C5-PFHxA	1701662-07 TRUAX-02-TW02-110817 ...	1.21e4	78.1	NO
3	3	13C3-PFHxS	1701662-07 TRUAX-02-TW02-110817 ...	2.14e3	69.7	NO
4	4	13C8-PFOA	1701662-07 TRUAX-02-TW02-110817 ...	8.82e3	87.9	NO
5	5	13C9-PFNA	1701662-07 TRUAX-02-TW02-110817 ...	9.42e3	69.1	NO
6	6	13C4-PFOS	1701662-07 TRUAX-02-TW02-110817 ...	1.50e3	42.9	YES
7	7	13C6-PFDA	1701662-07 TRUAX-02-TW02-110817 ...	6.12e3	91.0	NO
8	8	13C7-PFUdA	1701662-07 TRUAX-02-TW02-110817 ...	3.86e3	36.8	YES

Name: 171201M1_43, Date: 01-Dec-2017, Time: 22:49:33, ID: IPA, Description: IPA

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

Name: 171201M1_44, Date: 01-Dec-2017, Time: 23:00:43, ID: 1701662-08 TRUAX-08-TW08-110817 0.11855, Description: TRUAX-08-TW08-110817

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701662-08 TRUAX-08-TW08-110817 ...	8.56e3	73.7	NO
2	2	13C5-PFHxA	1701662-08 TRUAX-08-TW08-110817 ...	1.33e4	85.7	NO
3	3	13C3-PFHxS	1701662-08 TRUAX-08-TW08-110817 ...	2.37e3	77.3	NO
4	4	13C8-PFOA	1701662-08 TRUAX-08-TW08-110817 ...	9.92e3	98.9	NO
5	5	13C9-PFNA	1701662-08 TRUAX-08-TW08-110817 ...	8.42e3	61.7	NO
6	6	13C4-PFOS	1701662-08 TRUAX-08-TW08-110817 ...	1.80e3	51.3	NO
7	7	13C6-PFDA	1701662-08 TRUAX-08-TW08-110817 ...	5.52e3	82.1	NO
8	8	13C7-PFUdA	1701662-08 TRUAX-08-TW08-110817 ...	3.21e3	30.6	YES

AC 12/2/17

Dataset: U:\Q4.PRO\results\171201M1\171201M1-IIS AREAS.qld

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Name: 171201M1_45, Date: 01-Dec-2017, Time: 23:11:54, 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: 171201M1_46, Date: 01-Dec-2017, Time: 23:23:04, ID: 1701662-09 TRUAX-BB-TWBB02-110917 0.12138, Description: TRUAX-BB-TWBB02-110917

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701662-09 TRUAX-BB-TWBB02-1109...	9.13e3	78.6	NO
2	2	13C5-PFHxA	1701662-09 TRUAX-BB-TWBB02-1109...	1.20e4	77.5	NO
3	3	13C3-PFHxS	1701662-09 TRUAX-BB-TWBB02-1109...	2.29e3	74.7	NO
4	4	13C8-PFOA	1701662-09 TRUAX-BB-TWBB02-1109...	8.98e3	89.5	NO
5	5	13C9-PFNA	1701662-09 TRUAX-BB-TWBB02-1109...	1.04e4	76.1	NO
6	6	13C4-PFOS	1701662-09 TRUAX-BB-TWBB02-1109...	2.16e3	61.7	NO
7	7	13C6-PFDA	1701662-09 TRUAX-BB-TWBB02-1109...	4.57e3	67.9	NO
8	8	13C7-PFUdA	1701662-09 TRUAX-BB-TWBB02-1109...	3.42e3	32.6	YES

Name: 171201M1_47, Date: 01-Dec-2017, Time: 23:34:15, 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: 171201M1_48, Date: 01-Dec-2017, Time: 23:45:26, ID: 1701662-10 TRUAX-BB-TWBB03-110917 0.11755, Description: TRUAX-BB-TWBB03-110917

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701662-10 TRUAX-BB-TWBB03-1109...	9.16e3	78.9	NO
2	2	13C5-PFHxA	1701662-10 TRUAX-BB-TWBB03-1109...	1.35e4	86.5	NO
3	3	13C3-PFHxS	1701662-10 TRUAX-BB-TWBB03-1109...	2.82e3	92.0	NO
4	4	13C8-PFOA	1701662-10 TRUAX-BB-TWBB03-1109...	9.71e3	96.8	NO
5	5	13C9-PFNA	1701662-10 TRUAX-BB-TWBB03-1109...	1.10e4	80.6	NO
6	6	13C4-PFOS	1701662-10 TRUAX-BB-TWBB03-1109...	3.34e3	95.5	NO
7	7	13C6-PFDA	1701662-10 TRUAX-BB-TWBB03-1109...	6.49e3	96.5	NO
8	8	13C7-PFUdA	1701662-10 TRUAX-BB-TWBB03-1109...	6.66e3	63.5	NO

AC 12/2/17

Dataset: U:\Q4.PRO\results\171201M1\171201M1-IIS AREAS.qld

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Name: 171201M1_49, Date: 01-Dec-2017, Time: 23:56:37, ID: 1701662-11 TRUAX-09-TW09-110917 0.11447, Description: TRUAX-09-TW09-110917

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701662-11 TRUAX-09-TW09-110917 0..	8.69e3	74.8	NO
2	2 13C5-PFHxA	1701662-11 TRUAX-09-TW09-110917 0..	1.17e4	75.0	NO
3	3 13C3-PFHxS	1701662-11 TRUAX-09-TW09-110917 0..	2.46e3	80.4	NO
4	4 13C8-PFOA	1701662-11 TRUAX-09-TW09-110917 0..	8.64e3	86.1	NO
5	5 13C9-PFNA	1701662-11 TRUAX-09-TW09-110917 0..	1.03e4	75.8	NO
6	6 13C4-PFOS	1701662-11 TRUAX-09-TW09-110917 0..	2.50e3	71.5	NO
7	7 13C6-PFDA	1701662-11 TRUAX-09-TW09-110917 0..	4.40e3	65.4	NO
8	8 13C7-PFUdA	1701662-11 TRUAX-09-TW09-110917 0..	4.36e3	41.5	YES

Name: 171201M1_50, Date: 02-Dec-2017, Time: 00:07:47, ID: 1701662-12 TRUAX-04-TW04-110917 0.12418, Description: TRUAX-04-TW04-110917

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701662-12 TRUAX-04-TW04-110917 ...	8.69e3	74.9	NO
2	2 13C5-PFHxA	1701662-12 TRUAX-04-TW04-110917 ...	1.27e4	81.8	NO
3	3 13C3-PFHxS	1701662-12 TRUAX-04-TW04-110917 ...	2.64e3	86.0	NO
4	4 13C8-PFOA	1701662-12 TRUAX-04-TW04-110917 ...	9.64e3	96.1	NO
5	5 13C9-PFNA	1701662-12 TRUAX-04-TW04-110917 ...	8.46e3	62.0	NO
6	6 13C4-PFOS	1701662-12 TRUAX-04-TW04-110917 ...	1.88e3	53.7	NO
7	7 13C6-PFDA	1701662-12 TRUAX-04-TW04-110917 ...	2.98e3	44.3	YES
8	8 13C7-PFUdA	1701662-12 TRUAX-04-TW04-110917 ...	1.95e3	18.6	YES

Name: 171201M1_51, Date: 02-Dec-2017, Time: 00:18:58, ID: 1701662-13 TRUAX-05-TW05-110917 0.11422, Description: TRUAX-05-TW05-110917

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701662-13 TRUAX-05-TW05-110917 ...	8.40e3	72.4	NO
2	2 13C5-PFHxA	1701662-13 TRUAX-05-TW05-110917 ...	1.29e4	82.9	NO
3	3 13C3-PFHxS	1701662-13 TRUAX-05-TW05-110917 ...	2.44e3	79.4	NO
4	4 13C8-PFOA	1701662-13 TRUAX-05-TW05-110917 ...	8.95e3	89.2	NO
5	5 13C9-PFNA	1701662-13 TRUAX-05-TW05-110917 ...	9.16e3	67.1	NO
6	6 13C4-PFOS	1701662-13 TRUAX-05-TW05-110917 ...	2.37e3	67.6	NO
7	7 13C6-PFDA	1701662-13 TRUAX-05-TW05-110917 ...	4.42e3	65.7	NO
8	8 13C7-PFUdA	1701662-13 TRUAX-05-TW05-110917 ...	3.38e3	32.2	YES

Name: 171201M1_52, Date: 02-Dec-2017, Time: 00:30:09, ID: 1701662-14 TRUAX-EB-110617 0.11648, Description: TRUAX-EB-110617

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701662-14 TRUAX-EB-110617 0.11648	8.92e3	76.8	NO
2	2 13C5-PFHxA	1701662-14 TRUAX-EB-110617 0.11648	1.18e4	75.7	NO
3	3 13C3-PFHxS	1701662-14 TRUAX-EB-110617 0.11648	2.45e3	79.8	NO
4	4 13C8-PFOA	1701662-14 TRUAX-EB-110617 0.11648	9.44e3	94.1	NO
5	5 13C9-PFNA	1701662-14 TRUAX-EB-110617 0.11648	1.04e4	76.2	NO
6	6 13C4-PFOS	1701662-14 TRUAX-EB-110617 0.11648	2.28e3	65.2	NO
7	7 13C6-PFDA	1701662-14 TRUAX-EB-110617 0.11648	4.63e3	68.9	NO
8	8 13C7-PFUdA	1701662-14 TRUAX-EB-110617 0.11648	2.31e3	22.0	YES

AC 12/2/17

Dataset: U:\Q4.PRO\results\171201M1\171201M1-IIS AREAS.qld

Last Altered: Saturday, December 02, 2017 12:12:08 Pacific Standard Time
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Name: 171201M1_53, Date: 02-Dec-2017, Time: 00:41:19, ID: 1701662-04@20X TRUAX-01-TW01-110817 0.12211, Description: TRUAX-01-TW01-110817

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701662-04@20X TRUAX-01-TW01-11...	6.18e2	5.3	YES
2	2 13C5-PFHxA	1701662-04@20X TRUAX-01-TW01-11...	8.31e2	5.3	YES
3	3 13C3-PFHxS	1701662-04@20X TRUAX-01-TW01-11...	1.72e2	5.6	YES
4	4 13C8-PFOA	1701662-04@20X TRUAX-01-TW01-11...	7.99e2	8.0	YES
5	5 13C9-PFNA	1701662-04@20X TRUAX-01-TW01-11...	7.01e2	5.1	YES
6	6 13C4-PFOS	1701662-04@20X TRUAX-01-TW01-11...	1.57e2	4.5	YES
7	7 13C6-PFDA	1701662-04@20X TRUAX-01-TW01-11...	3.64e2	5.4	YES
8	8 13C7-PFUdA	1701662-04@20X TRUAX-01-TW01-11...	3.08e2	2.9	YES

Name: 171201M1_54, Date: 02-Dec-2017, Time: 00:52:30, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUdA	IPA	7.83e0	0.1	YES

Name: 171201M1_55, Date: 02-Dec-2017, Time: 01:03:41, ID: ST171201M1-4 PFC CS0 17K2808, Description: PFC CS0 17K2808

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST171201M1-4 PFC CS0 17K2808	1.37e4	118.2	NO
2	2 13C5-PFHxA	ST171201M1-4 PFC CS0 17K2808	1.87e4	120.2	NO
3	3 13C3-PFHxS	ST171201M1-4 PFC CS0 17K2808	3.76e3	122.6	NO
4	4 13C8-PFOA	ST171201M1-4 PFC CS0 17K2808	1.43e4	142.2	NO
5	5 13C9-PFNA	ST171201M1-4 PFC CS0 17K2808	1.72e4	126.1	NO
6	6 13C4-PFOS	ST171201M1-4 PFC CS0 17K2808	3.82e3	109.2	NO
7	7 13C6-PFDA	ST171201M1-4 PFC CS0 17K2808	1.07e4	158.8	YES
8	8 13C7-PFUdA	ST171201M1-4 PFC CS0 17K2808	1.17e4	111.9	NO

Name: 171201M1_56, Date: 02-Dec-2017, Time: 01:14:52, ID: IPA, Description: IPA

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

AC 12/2/17

Dataset: U:\Q4.PRO\results\171201M1\171201M1-IIS AREAS.qld

Last Altered: Saturday, December 02, 2017 12:12:08 Pacific Standard Time
Printed: Saturday, December 02, 2017 12:35:58 Pacific Standard Time

Name: 171201M1_57, Date: 02-Dec-2017, Time: 01:26:02, ID: 1701662-05@10X TRUAX-03-TW03-110817 0.12109, Description: TRUAX-03-TW03-110817

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701662-05@10X TRUAX-03-TW03-11...	8.27e2	7.1	YES
2	2	13C5-PFHxA	1701662-05@10X TRUAX-03-TW03-11...	1.11e3	7.1	YES
3	3	13C3-PFHxS	1701662-05@10X TRUAX-03-TW03-11...	1.79e2	5.9	YES
4	4	13C8-PFOA	1701662-05@10X TRUAX-03-TW03-11...	6.88e2	6.9	YES
5	5	13C9-PFNA	1701662-05@10X TRUAX-03-TW03-11...	6.78e2	5.0	YES
6	6	13C4-PFOS	1701662-05@10X TRUAX-03-TW03-11...	7.74e1	2.2	YES
7	7	13C6-PFDA	1701662-05@10X TRUAX-03-TW03-11...	1.12e2	1.7	YES
8	8	13C7-PFUdA	1701662-05@10X TRUAX-03-TW03-11...	3.99e1	0.4	YES

Name: 171201M1_58, Date: 02-Dec-2017, Time: 01:37:13, ID: 1701662-06@5X TRUAX-07-TW07-110817 0.11822, Description: TRUAX-07-TW07-110817

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701662-06@5X TRUAX-07-TW07-110...	1.76e3	15.2	YES
2	2	13C5-PFHxA	1701662-06@5X TRUAX-07-TW07-110...	2.42e3	15.6	YES
3	3	13C3-PFHxS	1701662-06@5X TRUAX-07-TW07-110...	4.98e2	16.3	YES
4	4	13C8-PFOA	1701662-06@5X TRUAX-07-TW07-110...	1.65e3	16.5	YES
5	5	13C9-PFNA	1701662-06@5X TRUAX-07-TW07-110...	1.32e3	9.7	YES
6	6	13C4-PFOS	1701662-06@5X TRUAX-07-TW07-110...	3.04e2	8.7	YES
7	7	13C6-PFDA	1701662-06@5X TRUAX-07-TW07-110...	4.92e2	7.3	YES
8	8	13C7-PFUdA	1701662-06@5X TRUAX-07-TW07-110...	1.75e2	1.7	YES

Name: 171201M1_59, Date: 02-Dec-2017, Time: 01:48:23, ID: 1701662-07@20X TRUAX-02-TW02-110817 0.12754, Description: TRUAX-02-TW02-110817

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701662-07@20X TRUAX-02-TW02-11...	5.60e2	4.8	YES
2	2	13C5-PFHxA	1701662-07@20X TRUAX-02-TW02-11...	7.12e2	4.6	YES
3	3	13C3-PFHxS	1701662-07@20X TRUAX-02-TW02-11...	1.27e2	4.1	YES
4	4	13C8-PFOA	1701662-07@20X TRUAX-02-TW02-11...	4.44e2	4.4	YES
5	5	13C9-PFNA	1701662-07@20X TRUAX-02-TW02-11...	6.67e2	4.9	YES
6	6	13C4-PFOS	1701662-07@20X TRUAX-02-TW02-11...	1.61e2	4.6	YES
7	7	13C6-PFDA	1701662-07@20X TRUAX-02-TW02-11...	2.97e2	4.4	YES
8	8	13C7-PFUdA	1701662-07@20X TRUAX-02-TW02-11...	2.25e2	2.1	YES

Name: 171201M1_60, Date: 02-Dec-2017, Time: 01:59:35, ID: 1701662-08@5X TRUAX-08-TW08-110817 0.11855, Description: TRUAX-08-TW08-110817

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701662-08@5X TRUAX-08-TW08-110...	1.75e3	15.1	YES
2	2	13C5-PFHxA	1701662-08@5X TRUAX-08-TW08-110...	2.48e3	16.0	YES
3	3	13C3-PFHxS	1701662-08@5X TRUAX-08-TW08-110...	4.07e2	13.3	YES
4	4	13C8-PFOA	1701662-08@5X TRUAX-08-TW08-110...	1.57e3	15.7	YES
5	5	13C9-PFNA	1701662-08@5X TRUAX-08-TW08-110...	1.46e3	10.7	YES
6	6	13C4-PFOS	1701662-08@5X TRUAX-08-TW08-110...	3.37e2	9.6	YES
7	7	13C6-PFDA	1701662-08@5X TRUAX-08-TW08-110...	6.66e2	9.9	YES
8	8	13C7-PFUdA	1701662-08@5X TRUAX-08-TW08-110...	2.63e2	2.5	YES

AC 12/2/17

Dataset: U:\Q4.PRO\results\171201M1\171201M1-IIS AREAS.qld

Last Altered: Saturday, December 02, 2017 12:12:08 Pacific Standard Time
Printed: Saturday, December 02, 2017 12:35:58 Pacific Standard Time

Name: 171201M1_61, Date: 02-Dec-2017, Time: 02:10:45, ID: 1701662-09@5X TRUAX-BB-TWBB02-110917 0.12138, Description: TRUAX-BB-TWBB02-110917

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701662-09@5X TRUAX-BB-TWBB02-...	1.79e3	15.4	YES
2	2	13C5-PFHxA	1701662-09@5X TRUAX-BB-TWBB02-...	2.62e3	16.9	YES
3	3	13C3-PFHxS	1701662-09@5X TRUAX-BB-TWBB02-...	3.63e2	11.8	YES
4	4	13C8-PFOA	1701662-09@5X TRUAX-BB-TWBB02-...	1.62e3	16.2	YES
5	5	13C9-PFNA	1701662-09@5X TRUAX-BB-TWBB02-...	1.94e3	14.2	YES
6	6	13C4-PFOS	1701662-09@5X TRUAX-BB-TWBB02-...	3.64e2	10.4	YES
7	7	13C6-PFDA	1701662-09@5X TRUAX-BB-TWBB02-...	8.12e2	12.1	YES
8	8	13C7-PFUdA	1701662-09@5X TRUAX-BB-TWBB02-...	4.48e2	4.3	YES

Name: 171201M1_62, Date: 02-Dec-2017, Time: 02:21:56, ID: 1701625-01@5X PT 537 Mod DW Part#38292 0.001, Description: PT 537 Mod DW Part#38292

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701625-01@5X PT 537 Mod DW Part...	1.76e3	15.1	YES
2	2	13C5-PFHxA	1701625-01@5X PT 537 Mod DW Part...	2.59e3	16.7	YES
3	3	13C3-PFHxS	1701625-01@5X PT 537 Mod DW Part...	5.67e2	18.5	YES
4	4	13C8-PFOA	1701625-01@5X PT 537 Mod DW Part...	1.57e3	15.7	YES
5	5	13C9-PFNA	1701625-01@5X PT 537 Mod DW Part...	2.10e3	15.4	YES
6	6	13C4-PFOS	1701625-01@5X PT 537 Mod DW Part...	5.83e2	16.6	YES
7	7	13C6-PFDA	1701625-01@5X PT 537 Mod DW Part...	1.42e3	21.2	YES
8	8	13C7-PFUdA	1701625-01@5X PT 537 Mod DW Part...	1.63e3	15.5	YES

Name: 171201M1_63, Date: 02-Dec-2017, Time: 02:33:06, ID: IPA, Description: IPA

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

Name: 171201M1_64, Date: 02-Dec-2017, Time: 02:44:17, ID: 1701676-10 RICHM-GW-TW04-110817 0.11319, Description: RICHM-GW-TW04-110817

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701676-10 RICHM-GW-TW04-110817...	1.02e4	87.4	NO
2	2	13C5-PFHxA	1701676-10 RICHM-GW-TW04-110817...	1.43e4	91.9	NO
3	3	13C3-PFHxS	1701676-10 RICHM-GW-TW04-110817...	2.73e3	89.1	NO
4	4	13C8-PFOA	1701676-10 RICHM-GW-TW04-110817...	1.00e4	99.9	NO
5	5	13C9-PFNA	1701676-10 RICHM-GW-TW04-110817...	9.78e3	71.7	NO
6	6	13C4-PFOS	1701676-10 RICHM-GW-TW04-110817...	1.75e3	49.9	NO
7	7	13C6-PFDA	1701676-10 RICHM-GW-TW04-110817...	4.00e3	59.5	NO
8	8	13C7-PFUdA	1701676-10 RICHM-GW-TW04-110817...	2.32e3	22.1	YES

AC 12/2/17

Dataset: U:\Q4.PRO\results\171201M1\171201M1-IIS AREAS.qld

Last Altered: Saturday, December 02, 2017 12:12:08 Pacific Standard Time
Printed: Saturday, December 02, 2017 12:35:58 Pacific Standard Time

Name: 171201M1_65, Date: 02-Dec-2017, Time: 02:55:28, ID: 1701674-10 RICHM-GW-DUP01-110717 0.11733, Description: RICHM-GW-DUP01-110717

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701674-10 RICHM-GW-DUP01-11071...	9.71e3	83.6	NO
2	2 13C5-PFHxA	1701674-10 RICHM-GW-DUP01-11071...	1.32e4	84.7	NO
3	3 13C3-PFHxS	1701674-10 RICHM-GW-DUP01-11071...	2.64e3	86.0	NO
4	4 13C8-PFOA	1701674-10 RICHM-GW-DUP01-11071...	9.55e3	95.2	NO
5	5 13C9-PFNA	1701674-10 RICHM-GW-DUP01-11071...	8.98e3	65.8	NO
6	6 13C4-PFOS	1701674-10 RICHM-GW-DUP01-11071...	1.61e3	46.1	YES
7	7 13C6-PFDA	1701674-10 RICHM-GW-DUP01-11071...	3.90e3	58.0	NO
8	8 13C7-PFUdA	1701674-10 RICHM-GW-DUP01-11071...	1.50e3	14.3	YES

Name: 171201M1_66, Date: 02-Dec-2017, Time: 03:06:39, 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: 171201M1_67, Date: 02-Dec-2017, Time: 03:17:49, ID: B7K0146-BS1 OPR 0.125, Description: OPR

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7K0146-BS1 OPR 0.125	1.08e4	93.0	NO
2	2 13C5-PFHxA	B7K0146-BS1 OPR 0.125	1.57e4	101.3	NO
3	3 13C3-PFHxS	B7K0146-BS1 OPR 0.125	2.89e3	94.2	NO
4	4 13C8-PFOA	B7K0146-BS1 OPR 0.125	8.45e3	84.3	NO
5	5 13C9-PFNA	B7K0146-BS1 OPR 0.125	1.03e4	75.6	NO
6	6 13C4-PFOS	B7K0146-BS1 OPR 0.125	2.06e3	58.9	NO
7	7 13C6-PFDA	B7K0146-BS1 OPR 0.125	3.71e3	55.2	NO
8	8 13C7-PFUdA	B7K0146-BS1 OPR 0.125	1.28e3	12.2	YES

Name: 171201M1_68, Date: 02-Dec-2017, Time: 03:29:00, ID: B7K0166-BS1 OPR 1, Description: OPR

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7K0166-BS1 OPR 1	8.87e3	76.4	NO
2	2 13C5-PFHxA	B7K0166-BS1 OPR 1	1.25e4	80.5	NO
3	3 13C3-PFHxS	B7K0166-BS1 OPR 1	2.54e3	82.8	NO
4	4 13C8-PFOA	B7K0166-BS1 OPR 1	9.17e3	91.4	NO
5	5 13C9-PFNA	B7K0166-BS1 OPR 1	9.55e3	70.0	NO
6	6 13C4-PFOS	B7K0166-BS1 OPR 1	2.33e3	66.7	NO
7	7 13C6-PFDA	B7K0166-BS1 OPR 1	4.40e3	65.4	NO
8	8 13C7-PFUdA	B7K0166-BS1 OPR 1	2.91e3	27.7	YES

AC 12/2/17

Dataset: U:\Q4.PRO\results\171201M1\171201M1-IIS AREAS.qld

Last Altered: Saturday, December 02, 2017 12:12:08 Pacific Standard Time
Printed: Saturday, December 02, 2017 12:35:58 Pacific Standard Time

Name: 171201M1_69, Date: 02-Dec-2017, Time: 03:40:11, 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: 171201M1_70, Date: 02-Dec-2017, Time: 03:51:21, ID: B7K0146-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7K0146-BLK1 Method Blank 0.125	1.06e4	91.0	NO
2	2	13C5-PFHxA	B7K0146-BLK1 Method Blank 0.125	1.53e4	98.3	NO
3	3	13C3-PFHxS	B7K0146-BLK1 Method Blank 0.125	3.10e3	101.1	NO
4	4	13C8-PFOA	B7K0146-BLK1 Method Blank 0.125	9.38e3	93.6	NO
5	5	13C9-PFNA	B7K0146-BLK1 Method Blank 0.125	1.18e4	86.5	NO
6	6	13C4-PFOS	B7K0146-BLK1 Method Blank 0.125	2.07e3	59.0	NO
7	7	13C6-PFDA	B7K0146-BLK1 Method Blank 0.125	3.49e3	51.9	NO
8	8	13C7-PFUdA	B7K0146-BLK1 Method Blank 0.125	1.87e3	17.8	YES

Name: 171201M1_71, Date: 02-Dec-2017, Time: 04:02:32, ID: B7K0166-BLK1 Method Blank 1, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7K0166-BLK1 Method Blank 1	8.41e3	72.5	NO
2	2	13C5-PFHxA	B7K0166-BLK1 Method Blank 1	1.21e4	77.7	NO
3	3	13C3-PFHxS	B7K0166-BLK1 Method Blank 1	2.15e3	70.1	NO
4	4	13C8-PFOA	B7K0166-BLK1 Method Blank 1	7.90e3	78.8	NO
5	5	13C9-PFNA	B7K0166-BLK1 Method Blank 1	6.36e3	46.6	YES
6	6	13C4-PFOS	B7K0166-BLK1 Method Blank 1	1.66e3	47.4	YES
7	7	13C6-PFDA	B7K0166-BLK1 Method Blank 1	2.97e3	44.2	YES
8	8	13C7-PFUdA	B7K0166-BLK1 Method Blank 1	3.15e3	30.1	YES

Name: 171201M1_72, Date: 02-Dec-2017, Time: 04:13:43, ID: B7K0166-MS1 Matrix Spike 1.41, Description: Matrix Spike

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7K0166-MS1 Matrix Spike 1.41	8.13e3	70.0	NO
2	2	13C5-PFHxA	B7K0166-MS1 Matrix Spike 1.41	1.18e4	76.1	NO
3	3	13C3-PFHxS	B7K0166-MS1 Matrix Spike 1.41	2.75e3	89.6	NO
4	4	13C8-PFOA	B7K0166-MS1 Matrix Spike 1.41	8.45e3	84.3	NO
5	5	13C9-PFNA	B7K0166-MS1 Matrix Spike 1.41	1.09e4	79.9	NO
6	6	13C4-PFOS	B7K0166-MS1 Matrix Spike 1.41	2.96e3	84.6	NO
7	7	13C6-PFDA	B7K0166-MS1 Matrix Spike 1.41	5.99e3	89.0	NO
8	8	13C7-PFUdA	B7K0166-MS1 Matrix Spike 1.41	7.42e3	70.7	NO

AC 12/2/17

Dataset: U:\Q4.PRO\results\171201M1\171201M1-IIS AREAS.qld

Last Altered: Saturday, December 02, 2017 12:12:08 Pacific Standard Time
Printed: Saturday, December 02, 2017 12:35:58 Pacific Standard Time

Name: 171201M1_73, Date: 02-Dec-2017, Time: 04:24:53, ID: B7K0166-MSD1 Matrix Spike Dup 1.41, Description: Matrix Spike Dup

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7K0166-MSD1 Matrix Spike Dup 1.41	7.85e3	67.6	NO
2	2 13C5-PFHxA	B7K0166-MSD1 Matrix Spike Dup 1.41	1.11e4	71.5	NO
3	3 13C3-PFHxS	B7K0166-MSD1 Matrix Spike Dup 1.41	2.56e3	83.6	NO
4	4 13C8-PFOA	B7K0166-MSD1 Matrix Spike Dup 1.41	8.54e3	85.2	NO
5	5 13C9-PFNA	B7K0166-MSD1 Matrix Spike Dup 1.41	8.53e3	62.5	NO
6	6 13C4-PFOS	B7K0166-MSD1 Matrix Spike Dup 1.41	2.61e3	74.4	NO
7	7 13C6-PFDA	B7K0166-MSD1 Matrix Spike Dup 1.41	5.30e3	78.8	NO
8	8 13C7-PFUdA	B7K0166-MSD1 Matrix Spike Dup 1.41	3.20e3	30.5	YES

Name: 171201M1_74, Date: 02-Dec-2017, Time: 04:36:04, ID: 1701675-01RE1 RICHM-01-SB01-0-2 1.27, Description: RICHM-01-SB01-0-2

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701675-01RE1 RICHM-01-SB01-0-2 1...	8.86e3	76.3	NO
2	2 13C5-PFHxA	1701675-01RE1 RICHM-01-SB01-0-2 1...	1.21e4	78.1	NO
3	3 13C3-PFHxS	1701675-01RE1 RICHM-01-SB01-0-2 1...	2.53e3	82.7	NO
4	4 13C8-PFOA	1701675-01RE1 RICHM-01-SB01-0-2 1...	8.68e3	86.5	NO
5	5 13C9-PFNA	1701675-01RE1 RICHM-01-SB01-0-2 1...	8.78e3	64.4	NO
6	6 13C4-PFOS	1701675-01RE1 RICHM-01-SB01-0-2 1...	1.77e3	50.4	NO
7	7 13C6-PFDA	1701675-01RE1 RICHM-01-SB01-0-2 1...	2.87e3	42.7	YES
8	8 13C7-PFUdA	1701675-01RE1 RICHM-01-SB01-0-2 1...	3.21e3	30.6	YES

Name: 171201M1_75, Date: 02-Dec-2017, Time: 04:47:15, ID: 1701675-02RE1 RICHM-01-SB01-8-10 1.35, Description: RICHM-01-SB01-8-10

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701675-02RE1 RICHM-01-SB01-8-10 ...	8.35e3	71.9	NO
2	2 13C5-PFHxA	1701675-02RE1 RICHM-01-SB01-8-10 ...	1.30e4	83.8	NO
3	3 13C3-PFHxS	1701675-02RE1 RICHM-01-SB01-8-10 ...	2.66e3	86.7	NO
4	4 13C8-PFOA	1701675-02RE1 RICHM-01-SB01-8-10 ...	8.60e3	85.8	NO
5	5 13C9-PFNA	1701675-02RE1 RICHM-01-SB01-8-10 ...	9.38e3	68.7	NO
6	6 13C4-PFOS	1701675-02RE1 RICHM-01-SB01-8-10 ...	1.63e3	46.7	YES
7	7 13C6-PFDA	1701675-02RE1 RICHM-01-SB01-8-10 ...	3.26e3	48.5	YES
8	8 13C7-PFUdA	1701675-02RE1 RICHM-01-SB01-8-10 ...	2.47e3	23.6	YES

Name: 171201M1_76, Date: 02-Dec-2017, Time: 04:58:26, 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	1.16e1	0.2	YES
8	8 13C7-PFUdA	IPA			NO

AC 12/2/17

Dataset: U:\Q4.PRO\results\171201M1\171201M1-IIS AREAS.qld

Last Altered: Saturday, December 02, 2017 12:12:08 Pacific Standard Time
Printed: Saturday, December 02, 2017 12:35:58 Pacific Standard Time

Name: 171201M1_77, Date: 02-Dec-2017, Time: 05:09:36, ID: ST171201M1-5 PFC CS3 17K2810, Description: PFC CS3 17K2810

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST171201M1-5 PFC CS3 17K2810	1.40e4	120.5	NO
2	2 13C5-PFHxA	ST171201M1-5 PFC CS3 17K2810	2.07e4	133.2	NO
3	3 13C3-PFHxS	ST171201M1-5 PFC CS3 17K2810	4.10e3	133.8	NO
4	4 13C8-PFOA	ST171201M1-5 PFC CS3 17K2810	1.22e4	121.1	NO
5	5 13C9-PFNA	ST171201M1-5 PFC CS3 17K2810	1.48e4	108.8	NO
6	6 13C4-PFOS	ST171201M1-5 PFC CS3 17K2810	4.41e3	126.0	NO
7	7 13C6-PFDA	ST171201M1-5 PFC CS3 17K2810	7.61e3	113.1	NO
8	8 13C7-PFUdA	ST171201M1-5 PFC CS3 17K2810	1.22e4	116.6	NO

Name: 171201M1_78, Date: 02-Dec-2017, Time: 05:20:47, 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: 171201M1_79, Date: 02-Dec-2017, Time: 05:31:58, ID: 1701675-03RE1 RICHM-01-SB02-0-2 1.24, Description: RICHM-01-SB02-0-2

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701675-03RE1 RICHM-01-SB02-0-2 1...	1.01e4	87.2	NO
2	2 13C5-PFHxA	1701675-03RE1 RICHM-01-SB02-0-2 1...	1.46e4	93.9	NO
3	3 13C3-PFHxS	1701675-03RE1 RICHM-01-SB02-0-2 1...	2.85e3	93.1	NO
4	4 13C8-PFOA	1701675-03RE1 RICHM-01-SB02-0-2 1...	9.69e3	96.7	NO
5	5 13C9-PFNA	1701675-03RE1 RICHM-01-SB02-0-2 1...	9.21e3	67.5	NO
6	6 13C4-PFOS	1701675-03RE1 RICHM-01-SB02-0-2 1...	2.57e3	73.4	NO
7	7 13C6-PFDA	1701675-03RE1 RICHM-01-SB02-0-2 1...	4.19e3	62.3	NO
8	8 13C7-PFUdA	1701675-03RE1 RICHM-01-SB02-0-2 1...	4.41e3	42.1	YES

Name: 171201M1_80, Date: 02-Dec-2017, Time: 05:43:08, ID: 1701675-04RE1 RICHM-01-SB02-8-10 1.29, Description: RICHM-01-SB02-8-10

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701675-04RE1 RICHM-01-SB02-8-10 ...	8.48e3	73.0	NO
2	2 13C5-PFHxA	1701675-04RE1 RICHM-01-SB02-8-10 ...	1.19e4	76.8	NO
3	3 13C3-PFHxS	1701675-04RE1 RICHM-01-SB02-8-10 ...	2.37e3	77.3	NO
4	4 13C8-PFOA	1701675-04RE1 RICHM-01-SB02-8-10 ...	6.67e3	66.5	NO
5	5 13C9-PFNA	1701675-04RE1 RICHM-01-SB02-8-10 ...	8.21e3	60.1	NO
6	6 13C4-PFOS	1701675-04RE1 RICHM-01-SB02-8-10 ...	1.83e3	52.3	NO
7	7 13C6-PFDA	1701675-04RE1 RICHM-01-SB02-8-10 ...	3.12e3	46.4	YES
8	8 13C7-PFUdA	1701675-04RE1 RICHM-01-SB02-8-10 ...	2.67e3	25.5	YES

AC 12/2/17

Dataset: U:\Q4.PRO\results\171201M1\171201M1-IIS AREAS.qld

Last Altered: Saturday, December 02, 2017 12:12:08 Pacific Standard Time
Printed: Saturday, December 02, 2017 12:35:58 Pacific Standard Time

Name: 171201M1_81, Date: 02-Dec-2017, Time: 05:54:19, ID: 1701675-05RE1 RICHM-01-SB03-0-2 1.19, Description: RICHM-01-SB03-0-2

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701675-05RE1 RICHM-01-SB03-0-2 1...	8.90e3	76.7	NO
2	2 13C5-PFHxA	1701675-05RE1 RICHM-01-SB03-0-2 1...	1.29e4	83.2	NO
3	3 13C3-PFHxS	1701675-05RE1 RICHM-01-SB03-0-2 1...	2.52e3	82.1	NO
4	4 13C8-PFOA	1701675-05RE1 RICHM-01-SB03-0-2 1...	8.52e3	84.9	NO
5	5 13C9-PFNA	1701675-05RE1 RICHM-01-SB03-0-2 1...	1.01e4	73.8	NO
6	6 13C4-PFOS	1701675-05RE1 RICHM-01-SB03-0-2 1...	2.37e3	67.8	NO
7	7 13C6-PFDA	1701675-05RE1 RICHM-01-SB03-0-2 1...	4.26e3	63.4	NO
8	8 13C7-PFUdA	1701675-05RE1 RICHM-01-SB03-0-2 1...	3.38e3	32.2	YES

Name: 171201M1_82, Date: 02-Dec-2017, Time: 06:05:30, ID: 1701675-06RE1 RICHM-01-SB03-8-10 1.27, Description: RICHM-01-SB03-8-10

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701675-06RE1 RICHM-01-SB03-8-10 ...	9.87e3	85.0	NO
2	2 13C5-PFHxA	1701675-06RE1 RICHM-01-SB03-8-10 ...	1.34e4	86.1	NO
3	3 13C3-PFHxS	1701675-06RE1 RICHM-01-SB03-8-10 ...	2.64e3	86.1	NO
4	4 13C8-PFOA	1701675-06RE1 RICHM-01-SB03-8-10 ...	9.28e3	92.5	NO
5	5 13C9-PFNA	1701675-06RE1 RICHM-01-SB03-8-10 ...	8.57e3	62.8	NO
6	6 13C4-PFOS	1701675-06RE1 RICHM-01-SB03-8-10 ...	2.09e3	59.8	NO
7	7 13C6-PFDA	1701675-06RE1 RICHM-01-SB03-8-10 ...	4.43e3	65.9	NO
8	8 13C7-PFUdA	1701675-06RE1 RICHM-01-SB03-8-10 ...	2.84e3	27.1	YES

Name: 171201M1_83, Date: 02-Dec-2017, Time: 06:16:41, ID: 1701675-07RE1 RICHM-04-SB01-0-2 1.25, Description: RICHM-04-SB01-0-2

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701675-07RE1 RICHM-04-SB01-0-2 1...	9.09e3	78.3	NO
2	2 13C5-PFHxA	1701675-07RE1 RICHM-04-SB01-0-2 1...	1.37e4	88.2	NO
3	3 13C3-PFHxS	1701675-07RE1 RICHM-04-SB01-0-2 1...	2.70e3	88.2	NO
4	4 13C8-PFOA	1701675-07RE1 RICHM-04-SB01-0-2 1...	8.89e3	88.7	NO
5	5 13C9-PFNA	1701675-07RE1 RICHM-04-SB01-0-2 1...	1.21e4	88.4	NO
6	6 13C4-PFOS	1701675-07RE1 RICHM-04-SB01-0-2 1...	2.63e3	75.0	NO
7	7 13C6-PFDA	1701675-07RE1 RICHM-04-SB01-0-2 1...	4.83e3	71.8	NO
8	8 13C7-PFUdA	1701675-07RE1 RICHM-04-SB01-0-2 1...	5.39e3	51.3	NO

Name: 171201M1_84, Date: 02-Dec-2017, Time: 06:27:51, ID: 1701675-08RE1 RICHM-04-SB01-8-10 1.23, Description: RICHM-04-SB01-8-10

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701675-08RE1 RICHM-04-SB01-8-10 ...	9.03e3	77.8	NO
2	2 13C5-PFHxA	1701675-08RE1 RICHM-04-SB01-8-10 ...	1.30e4	83.7	NO
3	3 13C3-PFHxS	1701675-08RE1 RICHM-04-SB01-8-10 ...	2.69e3	87.7	NO
4	4 13C8-PFOA	1701675-08RE1 RICHM-04-SB01-8-10 ...	1.01e4	100.7	NO
5	5 13C9-PFNA	1701675-08RE1 RICHM-04-SB01-8-10 ...	9.92e3	72.7	NO
6	6 13C4-PFOS	1701675-08RE1 RICHM-04-SB01-8-10 ...	2.09e3	59.7	NO
7	7 13C6-PFDA	1701675-08RE1 RICHM-04-SB01-8-10 ...	4.93e3	73.3	NO
8	8 13C7-PFUdA	1701675-08RE1 RICHM-04-SB01-8-10 ...	3.97e3	37.8	YES

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Name: 171201M1_85, Date: 02-Dec-2017, Time: 06:39:02, ID: 1701675-09RE1 RICHM-04-SB02-0-2 1.21, Description: RICHM-04-SB02-0-2

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701675-09RE1 RICHM-04-SB02-0-2 1...	8.86e3	76.3	NO
2	2	13C5-PFHxA	1701675-09RE1 RICHM-04-SB02-0-2 1...	1.16e4	74.9	NO
3	3	13C3-PFHxS	1701675-09RE1 RICHM-04-SB02-0-2 1...	2.52e3	82.2	NO
4	4	13C8-PFOA	1701675-09RE1 RICHM-04-SB02-0-2 1...	9.34e3	93.2	NO
5	5	13C9-PFNA	1701675-09RE1 RICHM-04-SB02-0-2 1...	9.29e3	68.1	NO
6	6	13C4-PFOS	1701675-09RE1 RICHM-04-SB02-0-2 1...	2.60e3	74.2	NO
7	7	13C6-PFDA	1701675-09RE1 RICHM-04-SB02-0-2 1...	5.58e3	82.9	NO
8	8	13C7-PFUdA	1701675-09RE1 RICHM-04-SB02-0-2 1...	5.79e3	55.2	NO

Name: 171201M1_86, Date: 02-Dec-2017, Time: 06:50:13, ID: 1701675-10RE1 RICHM-04-SB02-8-10 1.29, Description: RICHM-04-SB02-8-10

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701675-10RE1 RICHM-04-SB02-8-10 ...	9.13e3	78.6	NO
2	2	13C5-PFHxA	1701675-10RE1 RICHM-04-SB02-8-10 ...	1.29e4	83.2	NO
3	3	13C3-PFHxS	1701675-10RE1 RICHM-04-SB02-8-10 ...	2.86e3	93.3	NO
4	4	13C8-PFOA	1701675-10RE1 RICHM-04-SB02-8-10 ...	9.41e3	93.9	NO
5	5	13C9-PFNA	1701675-10RE1 RICHM-04-SB02-8-10 ...	1.08e4	79.1	NO
6	6	13C4-PFOS	1701675-10RE1 RICHM-04-SB02-8-10 ...	1.96e3	56.0	NO
7	7	13C6-PFDA	1701675-10RE1 RICHM-04-SB02-8-10 ...	4.13e3	61.4	NO
8	8	13C7-PFUdA	1701675-10RE1 RICHM-04-SB02-8-10 ...	1.40e3	13.3	YES

Name: 171201M1_87, Date: 02-Dec-2017, Time: 07:01:23, ID: 1701675-12RE1 RICHM-SO-DUP01-110717 1.21, Description: RICHM-SO-DUP01-110717

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701675-12RE1 RICHM-SO-DUP01-11...	9.52e3	82.0	NO
2	2	13C5-PFHxA	1701675-12RE1 RICHM-SO-DUP01-11...	1.32e4	85.1	NO
3	3	13C3-PFHxS	1701675-12RE1 RICHM-SO-DUP01-11...	2.87e3	93.6	NO
4	4	13C8-PFOA	1701675-12RE1 RICHM-SO-DUP01-11...	9.21e3	91.8	NO
5	5	13C9-PFNA	1701675-12RE1 RICHM-SO-DUP01-11...	1.08e4	79.0	NO
6	6	13C4-PFOS	1701675-12RE1 RICHM-SO-DUP01-11...	2.28e3	65.1	NO
7	7	13C6-PFDA	1701675-12RE1 RICHM-SO-DUP01-11...	4.01e3	59.7	NO
8	8	13C7-PFUdA	1701675-12RE1 RICHM-SO-DUP01-11...	2.72e3	26.0	YES

Name: 171201M1_88, Date: 02-Dec-2017, Time: 07:12:34, ID: 1701677-01RE1 RICHM-01-SD01-0-0.5 1.41, Description: RICHM-01-SD01-0-0.5

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701677-01RE1 RICHM-01-SD01-0-0.5...	8.94e3	76.9	NO
2	2	13C5-PFHxA	1701677-01RE1 RICHM-01-SD01-0-0.5...	1.34e4	86.5	NO
3	3	13C3-PFHxS	1701677-01RE1 RICHM-01-SD01-0-0.5...	2.85e3	93.1	NO
4	4	13C8-PFOA	1701677-01RE1 RICHM-01-SD01-0-0.5...	8.75e3	87.2	NO
5	5	13C9-PFNA	1701677-01RE1 RICHM-01-SD01-0-0.5...	9.38e3	68.8	NO
6	6	13C4-PFOS	1701677-01RE1 RICHM-01-SD01-0-0.5...	2.95e3	84.4	NO
7	7	13C6-PFDA	1701677-01RE1 RICHM-01-SD01-0-0.5...	4.47e3	66.5	NO
8	8	13C7-PFUdA	1701677-01RE1 RICHM-01-SD01-0-0.5...	2.87e3	27.3	YES

AC 12/2/17

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Printed: Saturday, December 02, 2017 12:35:58 Pacific Standard Time

Name: 171201M1_89, Date: 02-Dec-2017, Time: 07:23:45, 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: 171201M1_90, Date: 02-Dec-2017, Time: 07:34:56, ID: ST171201M1-6 PFC CS3 17K2810, Description: PFC CS3 17K2810

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST171201M1-6 PFC CS3 17K2810	1.51e4	129.7	NO
2	2	13C5-PFHxA	ST171201M1-6 PFC CS3 17K2810	1.97e4	126.5	NO
3	3	13C3-PFHxS	ST171201M1-6 PFC CS3 17K2810	3.68e3	120.2	NO
4	4	13C8-PFOA	ST171201M1-6 PFC CS3 17K2810	1.66e4	165.1	YES
5	5	13C9-PFNA	ST171201M1-6 PFC CS3 17K2810	1.84e4	134.7	NO
6	6	13C4-PFOS	ST171201M1-6 PFC CS3 17K2810	4.33e3	123.7	NO
7	7	13C6-PFDA	ST171201M1-6 PFC CS3 17K2810	1.07e4	158.8	YES
8	8	13C7-PFUdA	ST171201M1-6 PFC CS3 17K2810	1.55e4	147.9	NO

Name: 171201M1_91, Date: 02-Dec-2017, Time: 07:46:06, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA	6.69e0	0.0	YES
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUdA	IPA			NO

Name: 171201M1_92, Date: 02-Dec-2017, Time: 07:57:17, ID: 1701677-02RE1 RICHM-02-SD01-0-0.5 1.36, Description: RICHM-02-SD01-0-0.5

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701677-02RE1 RICHM-02-SD01-0-0.5...	9.49e3	81.7	NO
2	2	13C5-PFHxA	1701677-02RE1 RICHM-02-SD01-0-0.5...	1.39e4	89.2	NO
3	3	13C3-PFHxS	1701677-02RE1 RICHM-02-SD01-0-0.5...	2.51e3	81.8	NO
4	4	13C8-PFOA	1701677-02RE1 RICHM-02-SD01-0-0.5...	1.05e4	104.6	NO
5	5	13C9-PFNA	1701677-02RE1 RICHM-02-SD01-0-0.5...	9.98e3	73.2	NO
6	6	13C4-PFOS	1701677-02RE1 RICHM-02-SD01-0-0.5...	2.79e3	79.8	NO
7	7	13C6-PFDA	1701677-02RE1 RICHM-02-SD01-0-0.5...	5.33e3	79.2	NO
8	8	13C7-PFUdA	1701677-02RE1 RICHM-02-SD01-0-0.5...	4.82e3	45.9	YES

AC 12/2/17

Dataset: U:\Q4.PRO\results\171201M1\171201M1-IIS AREAS.qld

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Name: 171201M1_93, Date: 02-Dec-2017, Time: 08:08:28, ID: 1701677-04RE1 RICHM-03-SB01-0-2 1.27, Description: RICHM-03-SB01-0-2

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701677-04RE1 RICHM-03-SB01-0-2 1...	9.15e3	78.8	NO
2	2 13C5-PFHxA	1701677-04RE1 RICHM-03-SB01-0-2 1...	1.31e4	84.2	NO
3	3 13C3-PFHxS	1701677-04RE1 RICHM-03-SB01-0-2 1...	2.45e3	79.8	NO
4	4 13C8-PFOA	1701677-04RE1 RICHM-03-SB01-0-2 1...	9.57e3	95.4	NO
5	5 13C9-PFNA	1701677-04RE1 RICHM-03-SB01-0-2 1...	8.74e3	64.1	NO
6	6 13C4-PFOS	1701677-04RE1 RICHM-03-SB01-0-2 1...	1.87e3	53.4	NO
7	7 13C6-PFDA	1701677-04RE1 RICHM-03-SB01-0-2 1...	3.99e3	59.3	NO
8	8 13C7-PFUdA	1701677-04RE1 RICHM-03-SB01-0-2 1...	3.55e3	33.8	YES

Name: 171201M1_94, Date: 02-Dec-2017, Time: 08:19:38, ID: 1701677-05RE1 RICHM-03-SB01-8-10 1.27, Description: RICHM-03-SB01-8-10

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701677-05RE1 RICHM-03-SB01-8-10 ...	8.99e3	77.4	NO
2	2 13C5-PFHxA	1701677-05RE1 RICHM-03-SB01-8-10 ...	1.30e4	83.7	NO
3	3 13C3-PFHxS	1701677-05RE1 RICHM-03-SB01-8-10 ...	2.72e3	88.8	NO
4	4 13C8-PFOA	1701677-05RE1 RICHM-03-SB01-8-10 ...	8.60e3	85.7	NO
5	5 13C9-PFNA	1701677-05RE1 RICHM-03-SB01-8-10 ...	8.23e3	60.3	NO
6	6 13C4-PFOS	1701677-05RE1 RICHM-03-SB01-8-10 ...	2.00e3	57.2	NO
7	7 13C6-PFDA	1701677-05RE1 RICHM-03-SB01-8-10 ...	2.81e3	41.8	YES
8	8 13C7-PFUdA	1701677-05RE1 RICHM-03-SB01-8-10 ...	2.06e3	19.7	YES

Name: 171201M1_95, Date: 02-Dec-2017, Time: 08:30:49, ID: 1701677-06RE1 RICHM-05-SB01-0-2 1.21, Description: RICHM-05-SB01-0-2

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701677-06RE1 RICHM-05-SB01-0-2 1...	8.96e3	77.1	NO
2	2 13C5-PFHxA	1701677-06RE1 RICHM-05-SB01-0-2 1...	1.27e4	81.7	NO
3	3 13C3-PFHxS	1701677-06RE1 RICHM-05-SB01-0-2 1...	2.44e3	79.6	NO
4	4 13C8-PFOA	1701677-06RE1 RICHM-05-SB01-0-2 1...	8.71e3	86.9	NO
5	5 13C9-PFNA	1701677-06RE1 RICHM-05-SB01-0-2 1...	9.09e3	66.6	NO
6	6 13C4-PFOS	1701677-06RE1 RICHM-05-SB01-0-2 1...	2.59e3	74.0	NO
7	7 13C6-PFDA	1701677-06RE1 RICHM-05-SB01-0-2 1...	4.90e3	72.8	NO
8	8 13C7-PFUdA	1701677-06RE1 RICHM-05-SB01-0-2 1...	5.03e3	47.9	YES

Name: 171201M1_96, Date: 02-Dec-2017, Time: 08:42:00, ID: 1701677-07RE1 RICHM-05-SB01-8-10 1.31, Description: RICHM-05-SB01-8-10

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701677-07RE1 RICHM-05-SB01-8-10 ...	9.59e3	82.6	NO
2	2 13C5-PFHxA	1701677-07RE1 RICHM-05-SB01-8-10 ...	1.36e4	87.2	NO
3	3 13C3-PFHxS	1701677-07RE1 RICHM-05-SB01-8-10 ...	3.01e3	98.1	NO
4	4 13C8-PFOA	1701677-07RE1 RICHM-05-SB01-8-10 ...	8.87e3	88.4	NO
5	5 13C9-PFNA	1701677-07RE1 RICHM-05-SB01-8-10 ...	8.21e3	60.2	NO
6	6 13C4-PFOS	1701677-07RE1 RICHM-05-SB01-8-10 ...	2.14e3	61.2	NO
7	7 13C6-PFDA	1701677-07RE1 RICHM-05-SB01-8-10 ...	4.48e3	66.7	NO
8	8 13C7-PFUdA	1701677-07RE1 RICHM-05-SB01-8-10 ...	2.53e3	24.1	YES

AC 12/2/17

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Last Altered: Saturday, December 02, 2017 12:12:08 Pacific Standard Time
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Name: 171201M1_97, Date: 02-Dec-2017, Time: 08:53:11, ID: 1701677-08RE1 RICHM-05-SB04-8-10 1.31, Description: RICHM-05-SB04-8-10

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701677-08RE1 RICHM-05-SB04-8-10 ...	9.73e3	83.8	NO
2	2 13C5-PFHxA	1701677-08RE1 RICHM-05-SB04-8-10 ...	1.50e4	96.2	NO
3	3 13C3-PFHxS	1701677-08RE1 RICHM-05-SB04-8-10 ...	2.88e3	94.0	NO
4	4 13C8-PFOA	1701677-08RE1 RICHM-05-SB04-8-10 ...	1.07e4	106.7	NO
5	5 13C9-PFNA	1701677-08RE1 RICHM-05-SB04-8-10 ...	1.12e4	82.3	NO
6	6 13C4-PFOS	1701677-08RE1 RICHM-05-SB04-8-10 ...	2.37e3	67.7	NO
7	7 13C6-PFDA	1701677-08RE1 RICHM-05-SB04-8-10 ...	4.70e3	69.9	NO
8	8 13C7-PFUdA	1701677-08RE1 RICHM-05-SB04-8-10 ...	2.55e3	24.3	YES

Name: 171201M1_98, Date: 02-Dec-2017, Time: 09:04:21, ID: 1701677-11RE1 RICHM-SD-DUP01-110817 1.4, Description: RICHM-SD-DUP01-110817

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701677-11RE1 RICHM-SD-DUP01-11...	8.83e3	76.1	NO
2	2 13C5-PFHxA	1701677-11RE1 RICHM-SD-DUP01-11...	1.24e4	79.8	NO
3	3 13C3-PFHxS	1701677-11RE1 RICHM-SD-DUP01-11...	2.57e3	83.9	NO
4	4 13C8-PFOA	1701677-11RE1 RICHM-SD-DUP01-11...	8.51e3	84.9	NO
5	5 13C9-PFNA	1701677-11RE1 RICHM-SD-DUP01-11...	1.15e4	84.3	NO
6	6 13C4-PFOS	1701677-11RE1 RICHM-SD-DUP01-11...	2.29e3	65.3	NO
7	7 13C6-PFDA	1701677-11RE1 RICHM-SD-DUP01-11...	6.29e3	93.6	NO
8	8 13C7-PFUdA	1701677-11RE1 RICHM-SD-DUP01-11...	5.42e3	51.7	NO

Name: 171201M1_99, Date: 02-Dec-2017, Time: 09:15:32, ID: 1701730-01 MW-106S(R) 0.10998, Description: MW-106S(R)

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701730-01 MW-106S(R) 0.10998	1.03e4	88.6	NO
2	2 13C5-PFHxA	1701730-01 MW-106S(R) 0.10998	1.58e4	101.4	NO
3	3 13C3-PFHxS	1701730-01 MW-106S(R) 0.10998	2.98e3	97.2	NO
4	4 13C8-PFOA	1701730-01 MW-106S(R) 0.10998	1.11e4	110.9	NO
5	5 13C9-PFNA	1701730-01 MW-106S(R) 0.10998	1.04e4	76.5	NO
6	6 13C4-PFOS	1701730-01 MW-106S(R) 0.10998	2.68e3	76.7	NO
7	7 13C6-PFDA	1701730-01 MW-106S(R) 0.10998	5.09e3	75.7	NO
8	8 13C7-PFUdA	1701730-01 MW-106S(R) 0.10998	2.43e3	23.2	YES

Name: 171201M1_100, Date: 02-Dec-2017, Time: 09:26:43, ID: 1701730-02 MW-106R 0.08994, Description: MW-106R

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701730-02 MW-106R 0.08994	1.07e4	91.9	NO
2	2 13C5-PFHxA	1701730-02 MW-106R 0.08994	1.49e4	96.0	NO
3	3 13C3-PFHxS	1701730-02 MW-106R 0.08994	3.62e3	118.2	NO
4	4 13C8-PFOA	1701730-02 MW-106R 0.08994	1.02e4	101.5	NO
5	5 13C9-PFNA	1701730-02 MW-106R 0.08994	1.09e4	80.1	NO
6	6 13C4-PFOS	1701730-02 MW-106R 0.08994	2.50e3	71.5	NO
7	7 13C6-PFDA	1701730-02 MW-106R 0.08994	3.99e3	59.3	NO
8	8 13C7-PFUdA	1701730-02 MW-106R 0.08994	2.74e3	26.1	YES

AC 12/2/17

Dataset: U:\Q4.PRO\results\171201M1\171201M1-IIS AREAS.qld

Last Altered: Saturday, December 02, 2017 12:12:08 Pacific Standard Time
Printed: Saturday, December 02, 2017 12:35:58 Pacific Standard Time

Name: 171201M1_101, Date: 02-Dec-2017, Time: 09:37:53, ID: 1701730-03 MW-111R 0.10865, Description: MW-111R

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701730-03 MW-111R 0.10865	1.11e4	95.4	NO
2	2	13C5-PFHxA	1701730-03 MW-111R 0.10865	1.49e4	95.7	NO
3	3	13C3-PFHxS	1701730-03 MW-111R 0.10865	3.08e3	100.6	NO
4	4	13C8-PFOA	1701730-03 MW-111R 0.10865	1.06e4	105.8	NO
5	5	13C9-PFNA	1701730-03 MW-111R 0.10865	9.90e3	72.6	NO
6	6	13C4-PFOS	1701730-03 MW-111R 0.10865	1.76e3	50.4	NO
7	7	13C6-PFDA	1701730-03 MW-111R 0.10865	3.45e3	51.3	NO
8	8	13C7-PFUdA	1701730-03 MW-111R 0.10865	9.42e2	9.0	YES

Name: 171201M1_102, Date: 02-Dec-2017, Time: 09:49:04, ID: IPA, Description: IPA

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

Name: 171201M1_103, Date: 02-Dec-2017, Time: 10:00:15, ID: ST171201M1-7 PFC CS3 17K2810, Description: PFC CS3 17K2810

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST171201M1-7 PFC CS3 17K2810	1.47e4	126.7	NO
2	2	13C5-PFHxA	ST171201M1-7 PFC CS3 17K2810	2.11e4	135.6	NO
3	3	13C3-PFHxS	ST171201M1-7 PFC CS3 17K2810	4.12e3	134.4	NO
4	4	13C8-PFOA	ST171201M1-7 PFC CS3 17K2810	1.44e4	143.7	NO
5	5	13C9-PFNA	ST171201M1-7 PFC CS3 17K2810	1.45e4	106.6	NO
6	6	13C4-PFOS	ST171201M1-7 PFC CS3 17K2810	4.36e3	124.5	NO
7	7	13C6-PFDA	ST171201M1-7 PFC CS3 17K2810	9.51e3	141.3	NO
8	8	13C7-PFUdA	ST171201M1-7 PFC CS3 17K2810	1.33e4	126.5	NO

AC 12/2/17

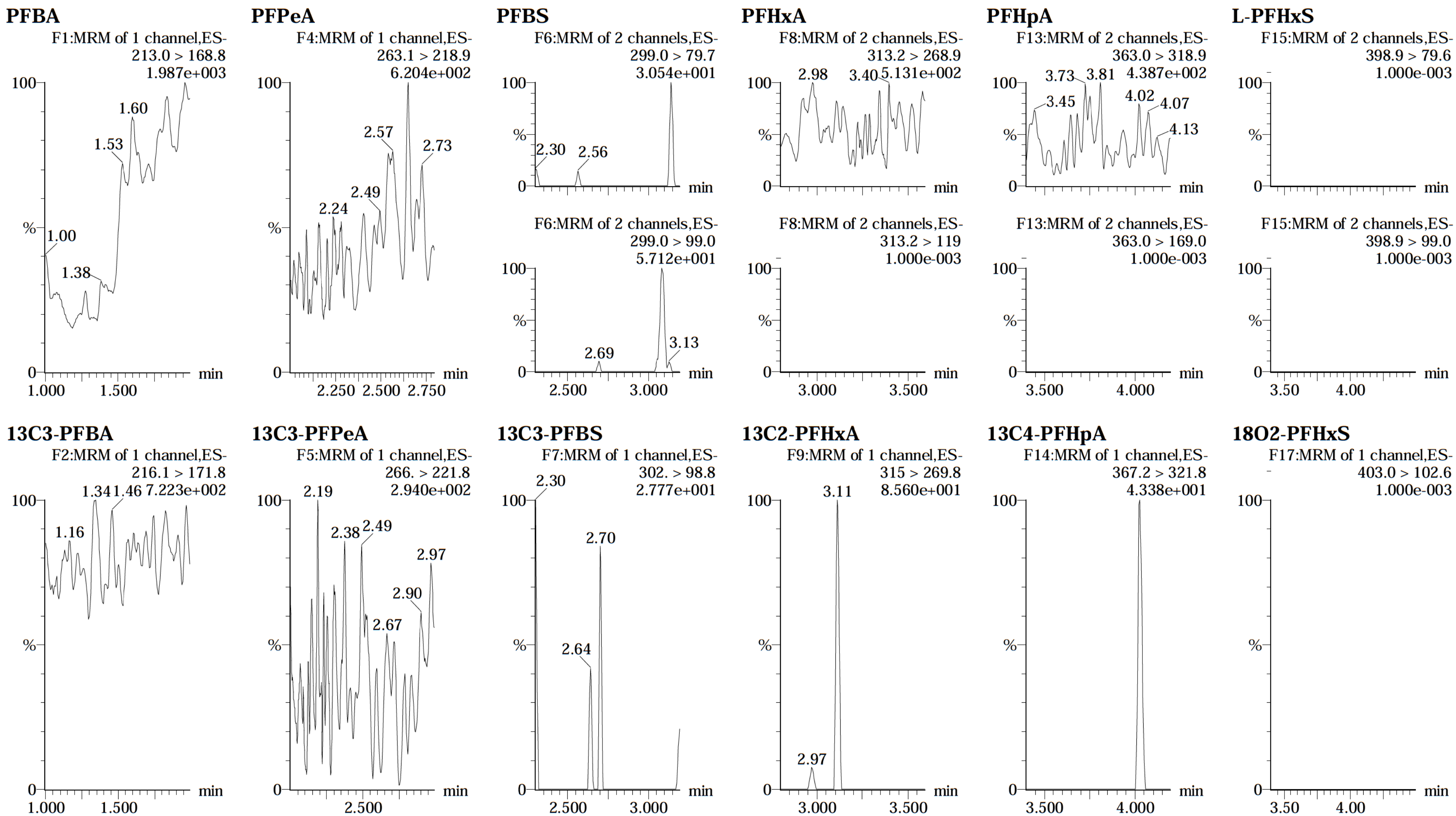
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171201M1\171201M1-3.qld

Last Altered: Saturday, December 02, 2017 10:55:55 Pacific Standard Time
Printed: Saturday, December 02, 2017 10:56:17 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_113017.mdb 01 Dec 2017 12:18:40
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-30-17_FULL.cdb 01 Dec 2017 12:17:32

Name: 171201M1_3, Date: 01-Dec-2017, Time: 15:22:24, ID: IPA, Description: IPA



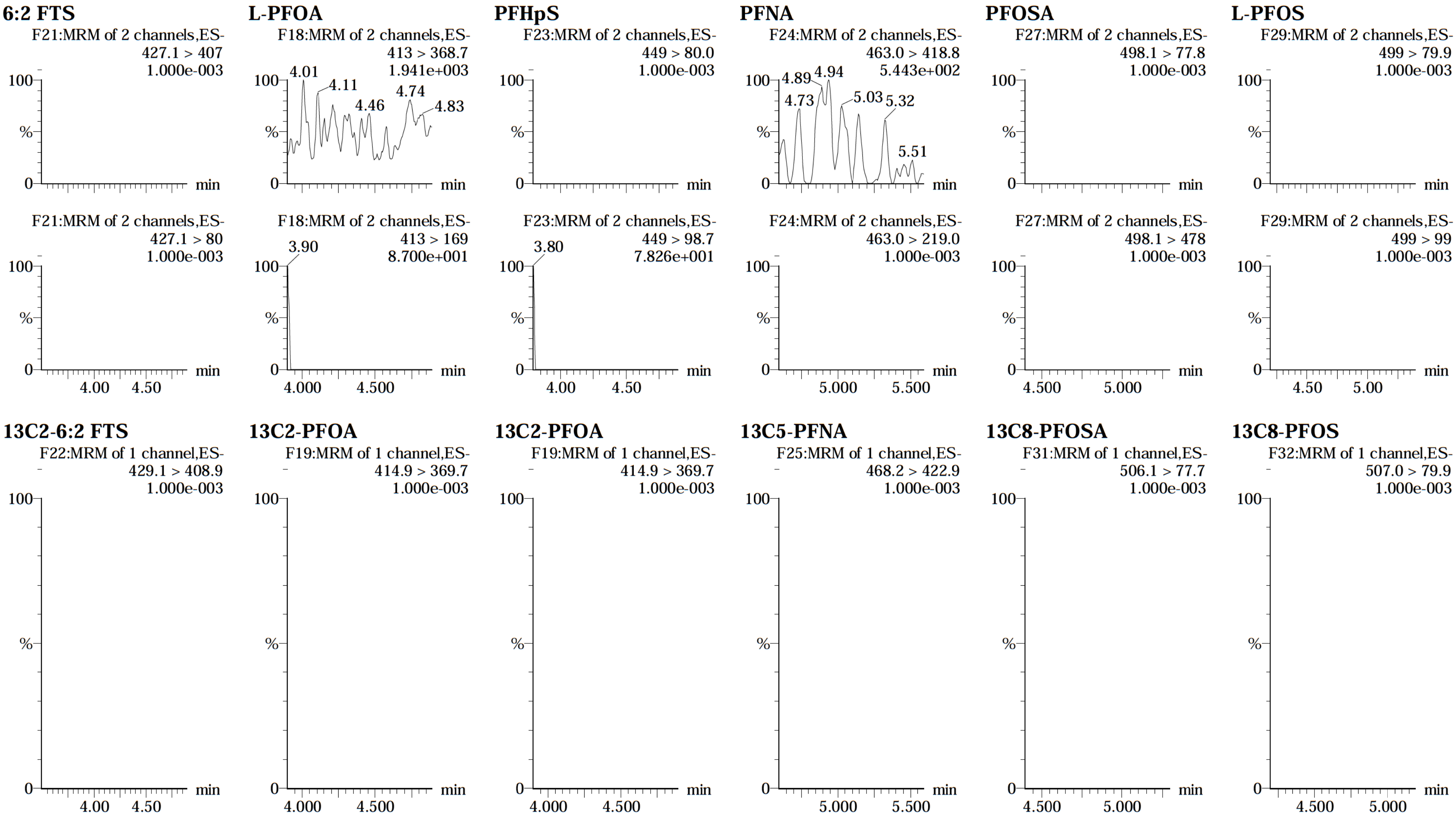
AC 12/2/17

Quantify Sample Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171201M1\171201M1-3.qld

Last Altered: Saturday, December 02, 2017 10:55:55 Pacific Standard Time
Printed: Saturday, December 02, 2017 10:56:17 Pacific Standard Time

Name: 171201M1_3, Date: 01-Dec-2017, Time: 15:22:24, ID: IPA, Description: IPA



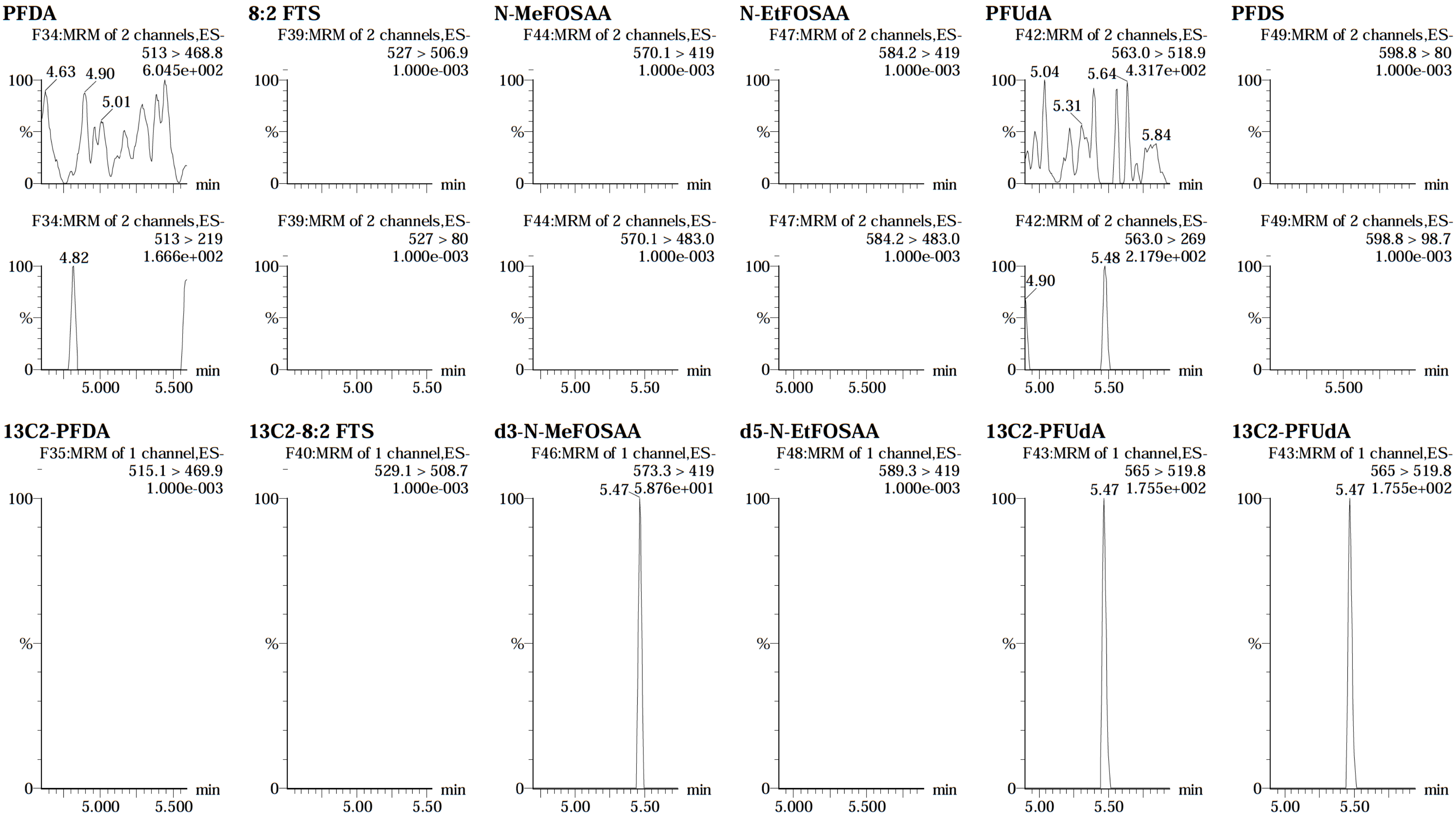
AC 12/2/17

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171201M1\171201M1-3.qld

Last Altered: Saturday, December 02, 2017 10:55:55 Pacific Standard Time
Printed: Saturday, December 02, 2017 10:56:17 Pacific Standard Time

Name: 171201M1_3, Date: 01-Dec-2017, Time: 15:22:24, ID: IPA, Description: IPA



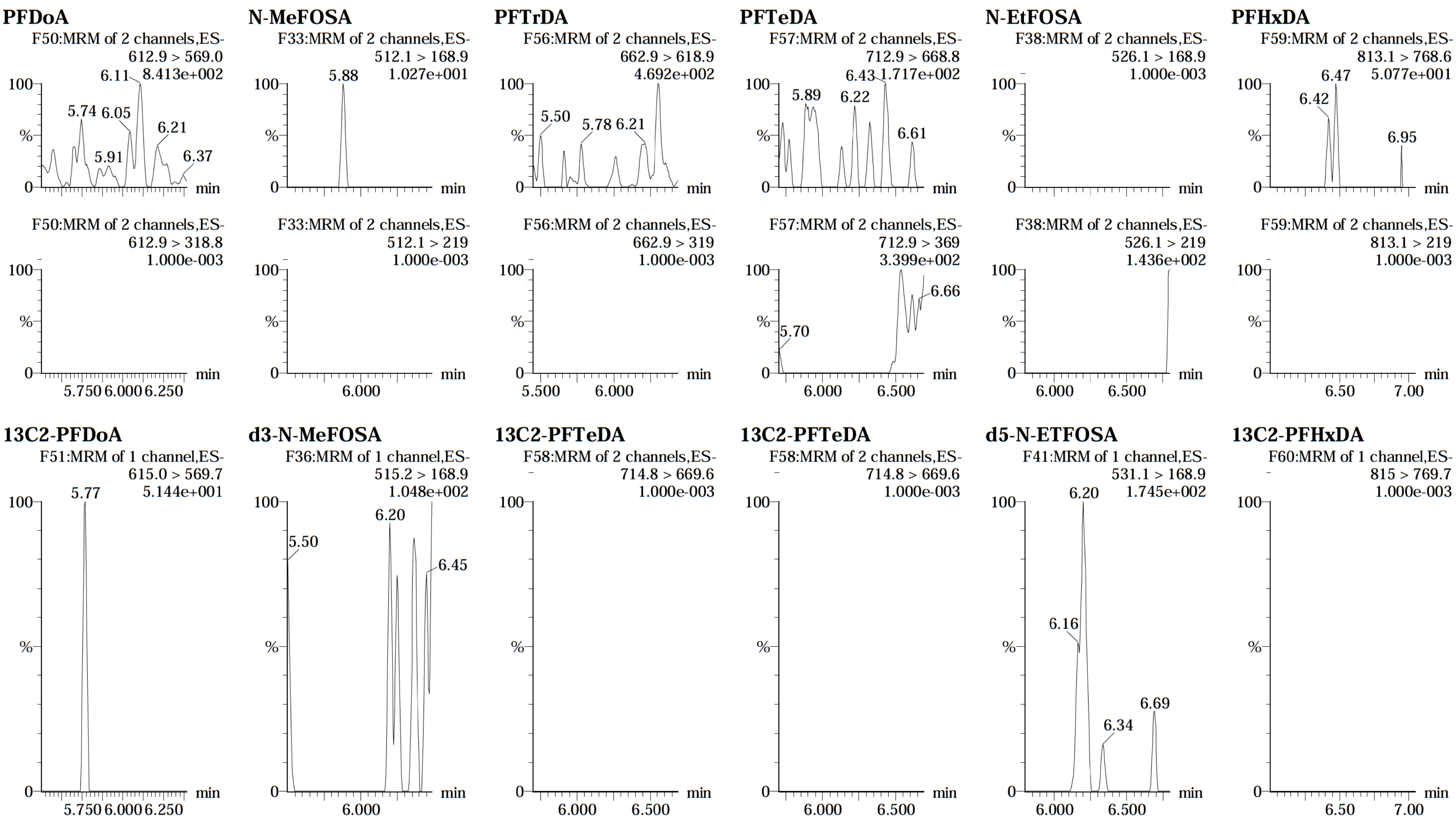
AC 12/2/17

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171201M1\171201M1-3.qld

Last Altered: Saturday, December 02, 2017 10:55:55 Pacific Standard Time
Printed: Saturday, December 02, 2017 10:56:17 Pacific Standard Time

Name: 171201M1_3, Date: 01-Dec-2017, Time: 15:22:24, ID: IPA, Description: IPA



AC 12/2/17

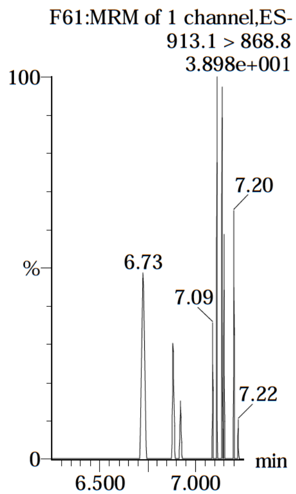
Quantify Sample Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171201M1\171201M1-3.qld

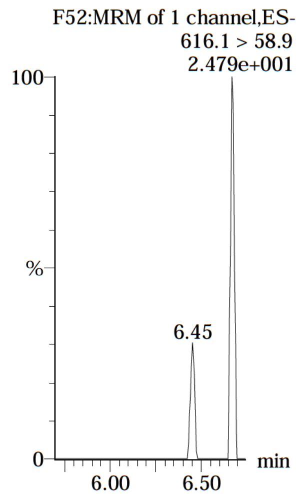
Last Altered: Saturday, December 02, 2017 10:55:55 Pacific Standard Time
Printed: Saturday, December 02, 2017 10:56:17 Pacific Standard Time

Name: 171201M1_3, Date: 01-Dec-2017, Time: 15:22:24, ID: IPA, Description: IPA

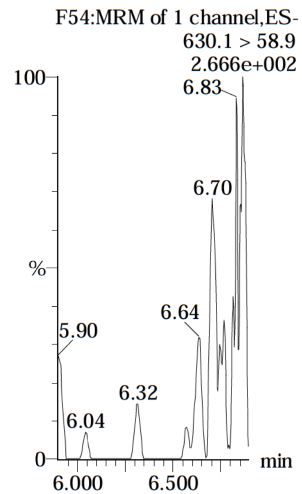
PFODA



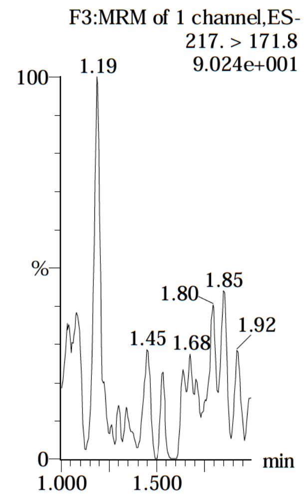
N-MeFOSE



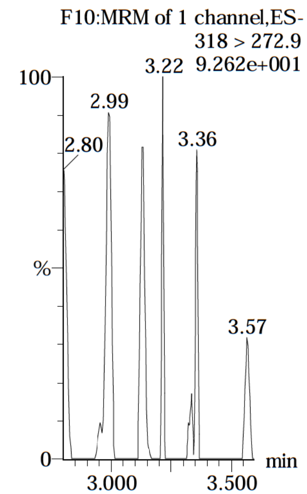
N-EtFOSE



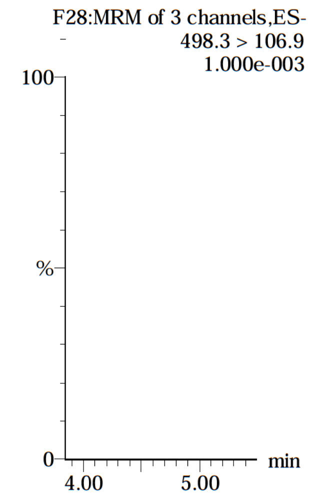
13C4-PFBA



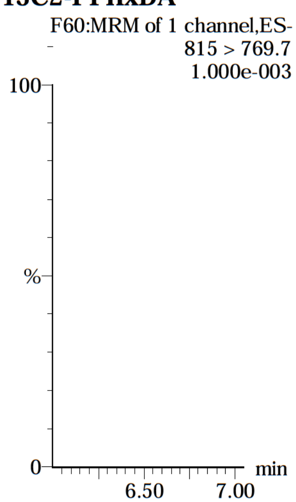
13C5-PFHxA



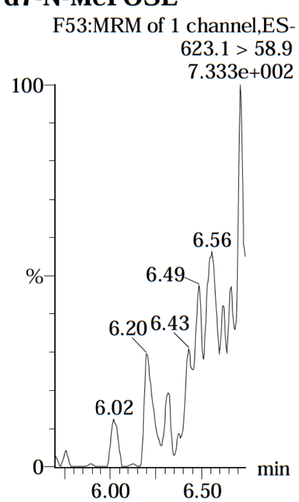
TCDA



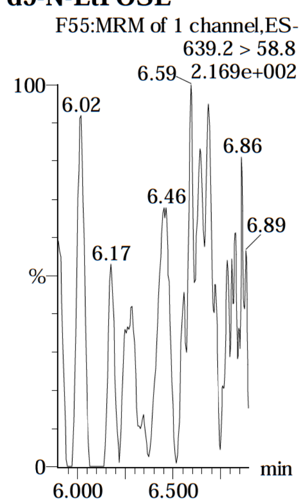
13C2-PFHxDA



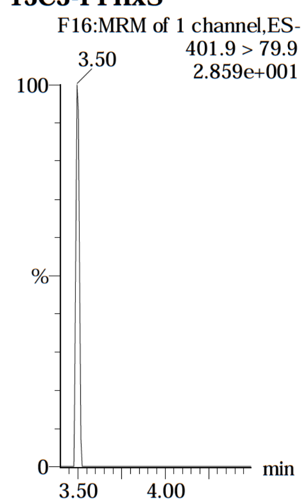
d7-N-MeFOSE



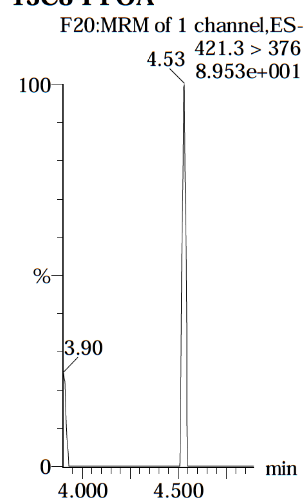
d9-N-EtFOSE



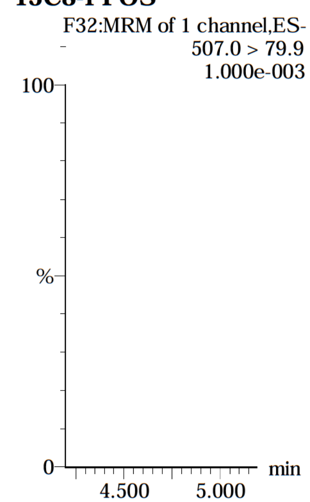
13C3-PFHxS



13C8-PFOA



13C8-PFOS



AC 12/2/17

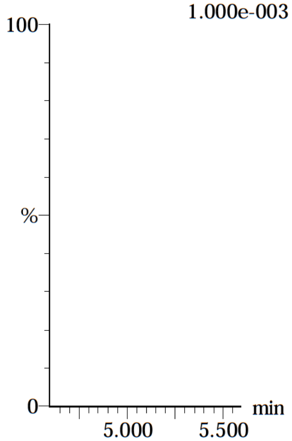
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171201M1\171201M1-3.qld

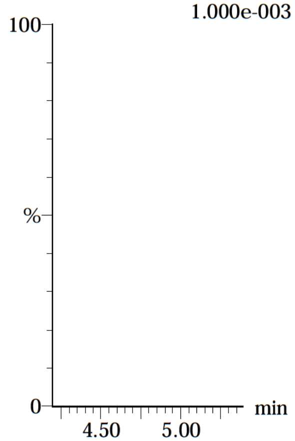
Last Altered: Saturday, December 02, 2017 10:55:55 Pacific Standard Time
Printed: Saturday, December 02, 2017 10:56:17 Pacific Standard Time

Name: 171201M1_3, Date: 01-Dec-2017, Time: 15:22:24, ID: IPA, Description: IPA

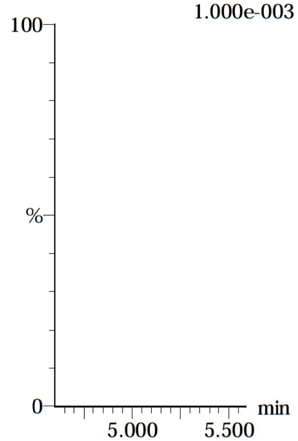
13C9-PFNA
F26:MRM of 1 channel,ES-
472.2 > 426.9
1.000e-003



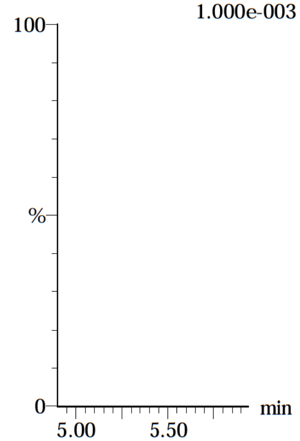
13C4-PFOS
F30:MRM of 1 channel,ES-
503 > 79.9
1.000e-003



13C6-PFDA
F37:MRM of 1 channel,ES-
519.1 > 473.7
1.000e-003



13C7-PFUdA
F45:MRM of 1 channel,ES-
570.1 > 524.8
1.000e-003



AC 12/2/17

Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171201M1\171201M1-2.qld

Last Altered: Friday, December 01, 2017 19:20:22 Pacific Standard Time
Printed: Saturday, December 02, 2017 12:01:52 Pacific Standard Time

AC 12/2/17

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_113017.mdb 01 Dec 2017 12:18:40
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-30-17_FULL.cdb 01 Dec 2017 12:17:32

JA 12/09/2017

Name: 171201M1_2, Date: 01-Dec-2017, Time: 15:11:13, ID: ST171201M1-1 PFC CS0 17K2808, Description: PFC CS0 17K2808

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	
1	1 PFBA	213.0 > 168.8	9.63e2	1.01e4	1.0000		1.66	1.47	1.19	1.064	106.4	70-130
2	2 PFPeA	263.1 > 218.9	1.02e3	1.20e4	1.0000		2.63	2.42	1.06	0.982	98.2	
3	3 PFBS	299.0 > 79.7	2.95e2	1.55e3	1.0000		2.90	2.70	2.37	1.050	105.0	
4	4 PFHxA	313.2 > 268.9	1.52e3	4.57e3	1.0000		3.40	3.20	1.66	1.075	107.5	
5	5 PFHpA	363.0 > 318.9	1.08e3	8.96e3	1.0000		4.03	3.83	1.51	1.022	102.2	
6	6 L-PFHxS	398.9 > 79.6	2.56e2	1.38e3	1.0000		4.19	3.98	2.32	1.089	108.9	
7	8 6:2 FTS	427.1 > 407	2.38e2	3.56e3	1.0000		4.49	4.29	0.838	0.751	75.1	
8	9 L-PFOA	413 > 368.7	1.17e3	1.10e4	1.0000		4.26	4.34	1.32	1.108	110.8	
9	11 PFHpS	449 > 80.0	2.43e2	1.10e4	1.0000		4.65	4.45	0.276	0.993	99.3	
10	12 PFNA	463.0 > 418.8	1.16e3	1.25e4	1.0000		5.00	4.78	1.16	0.872	87.2	
11	13 PFOSA	498.1 > 77.8	3.51e2	4.24e3	1.0000		5.02	4.84	1.04	1.043	104.3	
12	14 L-PFOS	499 > 79.9	3.29e2	3.80e3	1.0000		5.08	4.86	1.08	1.120	112.0	
13	16 PFDA	513 > 468.8	1.16e3	1.32e4	1.0000		5.34	5.15	1.10	0.917	91.7	
14	17 8:2 FTS	527 > 506.9	3.11e2	1.32e4	1.0000		5.35	5.13	0.294	1.149	114.9	
15	18 N-MeFOSAA	570.1 > 419	6.17e2	5.06e3	1.0000		5.49	5.30	1.52	0.910	91.0	
16	19 N-EtFOSAA	584.2 > 419	3.91e2	5.17e3	1.0000		5.64	5.46	0.944	0.839	83.9	
17	20 PFUdA	563.0 > 518.9	1.07e3	1.07e4	1.0000		5.66	5.48	1.25	1.125	112.5	
18	21 PFDS	598.8 > 80	3.11e2	1.07e4	1.0000		5.73	5.52	0.364	1.207	120.7	
19	22 PFDoA	612.9 > 569.0	1.11e3	4.88e3	1.0000		5.94	5.75	2.83	0.993	99.3	
20	23 N-MeFOSA	512.1 > 168.9	5.99e2	1.60e4	1.0000		5.85	5.79	5.60	4.931	98.6	
21	24 PFTrDA	662.9 > 618.9	9.96e2	4.88e3	1.0000		6.18	6.00	2.55	0.998	99.8	
22	25 PFTeDA	712.9 > 668.8	6.07e2	6.33e3	1.0000		6.37	6.21	1.20	0.770	77.0	
23	26 N-EtFOSA	526.1 > 168.9	8.79e2	2.49e4	1.0000		6.21	6.17	5.30	5.354	107.1	
24	27 PFHxDA	813.1 > 768.6	4.83e2	3.44e3	1.0000		6.66	6.52	0.701	1.006	100.6	
25	28 PFODA	913.1 > 868.8	5.21e2	3.44e3	1.0000		6.87	6.75	0.756	0.956	95.6	
26	29 N-MeFOSE	616.1 > 58.9	5.90e2	1.83e4	1.0000		6.30	6.32	4.83	4.545	90.9	
27	30 N-EtFOSE	630.1 > 58.9	7.68e2	2.30e4	1.0000		6.42	6.46	5.00	4.234	84.7	
28	31 13C3-PFBA	216.1 > 171.8	1.01e4	1.16e4	1.0000	0.870	1.66	1.47	10.9	12.518	100.1	50-150
29	32 13C3-PFPeA	266. > 221.8	1.20e4	1.55e4	1.0000	0.733	2.63	2.42	9.67	13.187	105.5	
30	33 13C3-PFBS	302. > 98.8	1.55e3	1.55e4	1.0000	0.092	2.90	2.70	1.25	13.614	108.9	
31	34 13C2-PFHxA	315 > 269.8	4.57e3	1.55e4	1.0000	0.738	3.40	3.20	3.68	4.983	99.7	

Dataset: U:\Q4.PRO\results\171201M1\171201M1-2.qld

Last Altered: Friday, December 01, 2017 19:20:22 Pacific Standard Time
Printed: Saturday, December 02, 2017 12:01:52 Pacific Standard Time

Name: 171201M1_2, Date: 01-Dec-2017, Time: 15:11:13, ID: ST171201M1-1 PFC CS0 17K2808, Description: PFC CS0 17K2808

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	
32	35 13C4-PFHpA	367.2 > 321.8	8.96e3	1.55e4	1.0000	0.564	4.03	3.82	7.20	12.766	102.1	50-150
33	36 18O2-PFHxS	403.0 > 102.6	1.38e3	3.07e3	1.0000	0.407	4.17	3.97	5.62	13.807	110.5	
34	37 13C2-6:2 FTS	429.1 > 408.9	3.56e3	1.00e4	1.0000	0.265	4.49	4.29	4.43	16.749	134.0	
35	38 13C2-PFOA	414.9 > 369.7	1.10e4	1.00e4	1.0000	1.026	4.54	4.34	13.7	13.387	107.1	
36	39 13C5-PFNA	468.2 > 422.9	1.25e4	1.36e4	1.0000	0.942	4.97	4.78	11.4	12.147	97.2	
37	40 13C8-PFOSA	506.1 > 77.7	4.24e3	1.05e4	1.0000	0.360	5.02	4.84	5.05	14.036	112.3	
38	41 13C8-PFOS	507.0 > 79.9	3.80e3	3.50e3	1.0000	1.023	5.05	4.86	13.6	13.252	106.0	
39	42 13C2-PFDA	515.1 > 469.9	1.32e4	6.73e3	1.0000	1.569	5.34	5.15	24.5	15.648	125.2	
40	43 13C2-8:2 FTS	529.1 > 508.7	1.18e3	1.55e4	1.0000	0.082	5.32	5.12	0.949	11.609	92.9	
41	44 d3-N-MeFOSAA	573.3 > 419	5.06e3	1.05e4	1.0000	0.428	5.49	5.30	6.03	14.076	112.6	
42	45 d5-N-EtFOSAA	589.3 > 419	5.17e3	1.05e4	1.0000	0.434	5.64	5.45	6.16	14.203	113.6	
43	46 13C2-PFUdA	565 > 519.8	1.07e4	1.05e4	1.0000	1.126	5.66	5.48	12.7	11.298	90.4	
44	47 13C2-PFDoA	615.0 > 569.7	4.88e3	1.05e4	1.0000	0.577	5.94	5.76	5.81	10.075	80.6	
45	48 d3-N-MeFOSA	515.2 > 168.9	1.60e4	1.05e4	1.0000	0.121	5.85	5.81	19.1	158.249	105.5	
46	49 13C2-PFTeDA	714.8 > 669.6	6.33e3	1.05e4	1.0000	0.654	6.37	6.21	7.55	11.541	92.3	
47	50 d5-N-ETFOSA	531.1 > 168.9	2.49e4	1.05e4	1.0000	0.183	6.21	6.18	29.7	161.906	107.9	
48	51 13C2-PFHxDA	815 > 769.7	3.44e3	1.05e4	1.0000	0.794	6.66	6.52	4.10	5.164	103.3	
49	52 d7-N-MeFOSE	623.1 > 58.9	1.83e4	1.05e4	1.0000	0.163	6.30	6.30	21.8	133.578	89.1	
50	53 d9-N-EtFOSE	639.2 > 58.8	2.30e4	1.05e4	1.0000	0.166	6.42	6.45	27.4	164.932	110.0	
51	54 13C4-PFBA	217. > 171.8	1.16e4	1.16e4	1.0000	1.000	1.66	1.47	12.5	12.500	100.0	
52	55 13C5-PFHxA	318 > 272.9	1.55e4	1.55e4	1.0000	1.000	3.40	3.20	12.5	12.500	100.0	
53	56 13C3-PFHxS	401.9 > 79.9	3.07e3	3.07e3	1.0000	1.000	4.17	3.97	12.5	12.500	100.0	
54	57 13C8-PFOA	421.3 > 376	1.00e4	1.00e4	1.0000	1.000	4.54	4.34	12.5	12.500	100.0	
55	58 13C9-PFNA	472.2 > 426.9	1.36e4	1.36e4	1.0000	1.000	4.97	4.78	12.5	12.500	100.0	
56	59 13C4-PFOS	503 > 79.9	3.50e3	3.50e3	1.0000	1.000	5.05	4.86	12.5	12.500	100.0	
57	60 13C6-PFDA	519.1 > 473.7	6.73e3	6.73e3	1.0000	1.000	5.34	5.15	12.5	12.500	100.0	
58	61 13C7-PFUdA	570.1 > 524.8	1.05e4	1.05e4	1.0000	1.000	5.66	5.47	12.5	12.500	100.0	

Dataset: Untitled

Last Altered: Monday, December 04, 2017 08:51:43 Pacific Standard Time
Printed: Monday, December 04, 2017 08:59:13 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_113017.mdb 01 Dec 2017 12:18:40
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-30-17_FULL.cdb 01 Dec 2017 12:17:32

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	171201M1_1	IPA	01-Dec-17	15:00:03
2	171201M1_2	ST171201M1-1 PFC CS0 17K2808	01-Dec-17	15:11:13
3	171201M1_3	IPA	01-Dec-17	15:22:24
4	171201M1_4	B7K0168-BS1 OPR 1	01-Dec-17	15:33:34
5	171201M1_5	IPA	01-Dec-17	15:44:45
6	171201M1_6	B7K0168-BLK1 Method Blank 1	01-Dec-17	15:55:55
7	171201M1_7	B7K0168-MS1 Matrix Spike 1.16	01-Dec-17	16:07:06
8	171201M1_7	B7K0168-MS1 Matrix Spike 1.16	01-Dec-17	16:07:06
9	171201M1_8	1701663-01 TRUAX-07-SO-DUP2-110717 1.27	01-Dec-17	16:18:17
10	171201M1_9	1701663-02 TRUAX-07-SB01-110717-0.5-1.0 ...	01-Dec-17	16:29:28
11	171201M1_10	1701663-03 TRUAX-07-SB01-110717-4.5-5.0 ...	01-Dec-17	16:40:38
12	171201M1_11	1701663-04 TRUAX-08-SB03-110717-0.5-1.0 ...	01-Dec-17	16:51:49
13	171201M1_12	1701663-05 TRUAX-08-SB03-110717-4.5-5.0 ...	01-Dec-17	17:03:00
14	171201M1_13	1701663-07 TRUAX-08-SO-DUP3-110717 1.13	01-Dec-17	17:14:10
15	171201M1_14	1701663-08 TRUAX-08-SB02-110717-5.0-5.5 ...	01-Dec-17	17:25:21
16	171201M1_15	1701663-10 TRUAX-08-SB01-110717-5.0-5.5 ...	01-Dec-17	17:36:32
17	171201M1_16	1701663-11 TRUAX-06-SB03-4.5-5.5 1.27	01-Dec-17	17:47:43
18	171201M1_17	1701663-12 TRUAX-06-SB03-7.0-7.5 1.21	01-Dec-17	17:58:53
19	171201M1_18	IPA	01-Dec-17	18:10:04
20	171201M1_19	ST171201M1-2 PFC CS3 17K2810	01-Dec-17	18:21:15
21	171201M1_20	IPA	01-Dec-17	18:32:25
22	171201M1_21	B7K0162-BLK1 Method Blank 0.25	01-Dec-17	18:43:39
23	171201M1_22	1701663-14 TRUAX-06-SB02-110717-4.5-5.0 ...	01-Dec-17	18:54:48
24	171201M1_23	1701663-16 TRUAX-09-SB03-110717-6.5-7.0 ...	01-Dec-17	19:05:58
25	171201M1_24	1701663-17 TRUAX-07-SB03-110717-0.5-1.0 ...	01-Dec-17	19:17:10
26	171201M1_25	1701663-18 TRUAX-07-SB03-110717-5.0-5.5 ...	01-Dec-17	19:28:20
27	171201M1_26	1701663-20 TRUAX-07-SB02-110717-4.5-5.0 ...	01-Dec-17	19:39:31
28	171201M1_27	IPA	01-Dec-17	19:50:42
29	171201M1_28	B7K0085-MS1 Matrix Spike 0.12635	01-Dec-17	20:01:53
30	171201M1_29	B7K0085-MSD1 Matrix Spike Dup 0.12326	01-Dec-17	20:13:02
31	171201M1_30	IPA	01-Dec-17	20:24:13

Dataset: Untitled

Last Altered: Monday, December 04, 2017 08:51:43 Pacific Standard Time
Printed: Monday, December 04, 2017 08:59:13 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
32	171201M1_31	1701662-01 TRUAX-BB-TWBB01-110817 0.1...	01-Dec-17	20:35:24
33	171201M1_32	1701662-02 TRUAX-BB-GW-DUP0101-11081...	01-Dec-17	20:46:35
34	171201M1_33	1701662-03 TRUAX-06-TW06-110617 0.11787	01-Dec-17	20:57:46
35	171201M1_34	1701662-04 TRUAX-01-TW01-110817 0.12211	01-Dec-17	21:08:56
36	171201M1_35	IPA	01-Dec-17	21:20:06
37	171201M1_36	1701662-05 TRUAX-03-TW03-110817 0.12109	01-Dec-17	21:31:17
38	171201M1_37	IPA	01-Dec-17	21:42:28
39	171201M1_38	ST171201M1-3 PFC CS3 17K2810	01-Dec-17	21:53:39
40	171201M1_39	IPA	01-Dec-17	22:04:49
41	171201M1_40	1701662-06 TRUAX-07-TW07-110817 0.11822	01-Dec-17	22:16:00
42	171201M1_41	IPA	01-Dec-17	22:27:10
43	171201M1_42	1701662-07 TRUAX-02-TW02-110817 0.12754	01-Dec-17	22:38:22
44	171201M1_43	IPA	01-Dec-17	22:49:33
45	171201M1_44	1701662-08 TRUAX-08-TW08-110817 0.11855	01-Dec-17	23:00:43
46	171201M1_45	IPA	01-Dec-17	23:11:54
47	171201M1_46	1701662-09 TRUAX-BB-TWBB02-110917 0.1...	01-Dec-17	23:23:04
48	171201M1_47	IPA	01-Dec-17	23:34:15
49	171201M1_48	1701662-10 TRUAX-BB-TWBB03-110917 0.1...	01-Dec-17	23:45:26
50	171201M1_49	1701662-11 TRUAX-09-TW09-110917 0.11447	01-Dec-17	23:56:37
51	171201M1_50	1701662-12 TRUAX-04-TW04-110917 0.12418	02-Dec-17	00:07:47
52	171201M1_51	1701662-13 TRUAX-05-TW05-110917 0.11422	02-Dec-17	00:18:58
53	171201M1_52	1701662-14 TRUAX-EB-110617 0.11648	02-Dec-17	00:30:09
54	171201M1_53	1701662-04@20X TRUAX-01-TW01-110817 ...	02-Dec-17	00:41:19
55	171201M1_54	IPA	02-Dec-17	00:52:30
56	171201M1_55	ST171201M1-4 PFC CS0 17K2808	02-Dec-17	01:03:41
57	171201M1_56	IPA	02-Dec-17	01:14:52
58	171201M1_57	1701662-05@10X TRUAX-03-TW03-110817 ...	02-Dec-17	01:26:02
59	171201M1_58	1701662-06@5X TRUAX-07-TW07-110817 0....	02-Dec-17	01:37:13
60	171201M1_59	1701662-07@20X TRUAX-02-TW02-110817 ...	02-Dec-17	01:48:23
61	171201M1_60	1701662-08@5X TRUAX-08-TW08-110817 0....	02-Dec-17	01:59:35
62	171201M1_61	1701662-09@5X TRUAX-BB-TWBB02-11091...	02-Dec-17	02:10:45
63	171201M1_62	1701625-01@5X PT 537 Mod DW Part#3829...	02-Dec-17	02:21:56
64	171201M1_63	IPA	02-Dec-17	02:33:06
65	171201M1_64	1701676-10 RICHM-GW-TW04-110817 0.11319	02-Dec-17	02:44:17

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Dataset: Untitled

Last Altered: Monday, December 04, 2017 08:51:43 Pacific Standard Time
Printed: Monday, December 04, 2017 08:59:13 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
66	171201M1_65	1701674-10 RICHM-GW-DUP01-110717 0.11...	02-Dec-17	02:55:28
67	171201M1_66	IPA	02-Dec-17	03:06:39
68	171201M1_67	B7K0146-BS1 OPR 0.125	02-Dec-17	03:17:49
69	171201M1_68	B7K0166-BS1 OPR 1	02-Dec-17	03:29:00
70	171201M1_69	IPA	02-Dec-17	03:40:11
71	171201M1_70	B7K0146-BLK1 Method Blank 0.125	02-Dec-17	03:51:21
72	171201M1_71	B7K0166-BLK1 Method Blank 1	02-Dec-17	04:02:32
73	171201M1_72	B7K0166-MS1 Matrix Spike 1.41	02-Dec-17	04:13:43
74	171201M1_73	B7K0166-MSD1 Matrix Spike Dup 1.41	02-Dec-17	04:24:53
75	171201M1_74	1701675-01RE1 RICHM-01-SB01-0-2 1.27	02-Dec-17	04:36:04
76	171201M1_75	1701675-02RE1 RICHM-01-SB01-8-10 1.35	02-Dec-17	04:47:15
77	171201M1_76	IPA	02-Dec-17	04:58:26
78	171201M1_77	ST171201M1-5 PFC CS3 17K2810	02-Dec-17	05:09:36
79	171201M1_78	IPA	02-Dec-17	05:20:47
80	171201M1_79	1701675-03RE1 RICHM-01-SB02-0-2 1.24	02-Dec-17	05:31:58
81	171201M1_80	1701675-04RE1 RICHM-01-SB02-8-10 1.29	02-Dec-17	05:43:08
82	171201M1_81	1701675-05RE1 RICHM-01-SB03-0-2 1.19	02-Dec-17	05:54:19
83	171201M1_82	1701675-06RE1 RICHM-01-SB03-8-10 1.27	02-Dec-17	06:05:30
84	171201M1_83	1701675-07RE1 RICHM-04-SB01-0-2 1.25	02-Dec-17	06:16:41
85	171201M1_84	1701675-08RE1 RICHM-04-SB01-8-10 1.23	02-Dec-17	06:27:51
86	171201M1_85	1701675-09RE1 RICHM-04-SB02-0-2 1.21	02-Dec-17	06:39:02
87	171201M1_86	1701675-10RE1 RICHM-04-SB02-8-10 1.29	02-Dec-17	06:50:13
88	171201M1_87	1701675-12RE1 RICHM-SO-DUP01-110717 1...	02-Dec-17	07:01:23
89	171201M1_88	1701677-01RE1 RICHM-01-SD01-0-0.5 1.41	02-Dec-17	07:12:34
90	171201M1_89	IPA	02-Dec-17	07:23:45
91	171201M1_90	ST171201M1-6 PFC CS3 17K2810	02-Dec-17	07:34:56
92	171201M1_91	IPA	02-Dec-17	07:46:06
93	171201M1_92	1701677-02RE1 RICHM-02-SD01-0-0.5 1.36	02-Dec-17	07:57:17
94	171201M1_93	1701677-04RE1 RICHM-03-SB01-0-2 1.27	02-Dec-17	08:08:28
95	171201M1_94	1701677-05RE1 RICHM-03-SB01-8-10 1.27	02-Dec-17	08:19:38
96	171201M1_95	1701677-06RE1 RICHM-05-SB01-0-2 1.21	02-Dec-17	08:30:49
97	171201M1_96	1701677-07RE1 RICHM-05-SB01-8-10 1.31	02-Dec-17	08:42:00
98	171201M1_97	1701677-08RE1 RICHM-05-SB04-8-10 1.31	02-Dec-17	08:53:11
99	171201M1_98	1701677-11RE1 RICHM-SD-DUP01-110817 1.4	02-Dec-17	09:04:21

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Dataset: Untitled

Last Altered: Monday, December 04, 2017 08:51:43 Pacific Standard Time
Printed: Monday, December 04, 2017 08:59:13 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
100	171201M1_99	1701730-01 MW-106S(R) 0.10998	02-Dec-17	09:15:32
101	171201M1_100	1701730-02 MW-106R 0.08994	02-Dec-17	09:26:43
102	171201M1_101	1701730-03 MW-111R 0.10865	02-Dec-17	09:37:53
103	171201M1_102	IPA	02-Dec-17	09:49:04
104	171201M1_103	ST171201M1-7 PFC CS3 17K2810	02-Dec-17	10:00:15
105	171201M1_104	IPA	02-Dec-17	10:11:25
106	171201M1_105	1701730-04 MW-111S 0.09727	02-Dec-17	10:22:36
107	171201M1_106	1701730-05 M-9R 0.1087	02-Dec-17	10:33:47
108	171201M1_107	1701730-06 MW-10(R) 0.10514	02-Dec-17	10:44:57
109	171201M1_108	1701730-07 M-1S 0.09279	02-Dec-17	10:56:08
110	171201M1_109	1701730-08 M-1R 0.10992	02-Dec-17	11:07:19
111	171201M1_110	1701730-09 M-11S 0.09824	02-Dec-17	11:18:30
112	171201M1_111	1701730-10 M-11M 0.10351	02-Dec-17	11:29:40
113	171201M1_112	1701730-11 M-11R 0.0856	02-Dec-17	11:40:51
114	171201M1_113	1701730-12 FB-PFAS-1 0.10728	02-Dec-17	11:52:02
115	171201M1_114	1701730-13 TB-PFAS-1 0.10709	02-Dec-17	12:03:13
116	171201M1_115	IPA	02-Dec-17	12:14:23
117	171201M1_116	ST171201M1-8 PFC CS3 17K2810	02-Dec-17	12:25:34
118	171201M1_117	IPA	02-Dec-17	12:36:45

LC Calibration Standards Review Checklist Q4

Calibration ID	Level	ION Ratio	Concentration	C-Cals Name	Sign Date	Correct I-Cal	Manual Integrations	N/A
ST171201M1-1	L M H (L)	N/A	☑	☑	☑	☑	☑	☐
-2	L M H (M)	☐	☑	☑	☑	☑	☑	☐
-3	L M H (M)	☐	☑	☑	☑	☑	☑	☐
-4	L M H (L)	☐	☑ A	☑	☑	☑	☑	☐
-5	L M H (M)	☐	☑ B	☑	☑	☑	☑	☐
-6	L M H (M)	☐	☑ C	☑	☑	☑	☑	☐
-7	L M H (M)	☑	☑	☑	☑	☑	☑	☑
-8	L M H (M)	N/A	☑ D	☑	☑	☑	☑	N/A
	L M H	☐	☐	☐	☐	☐	☐	☐
	L M H	☐	☐	☐	☐	☐	☐	☐

Full Mass Cal. Date: 11/14/17

8:2 FTS > 130% in ICV.

Run Log Present: ☑

# of Samples per Sequence Checked: ☑

Comments:
(A) PFTeDA <70%; not used.
(B) N-MeFOSAA, PFDS, PFTrDA > 130%
(C) PFTrDA > 130%
(D) PFDS > 130%.

Reviewed By: YA, 12/04/2017
Initials/Date

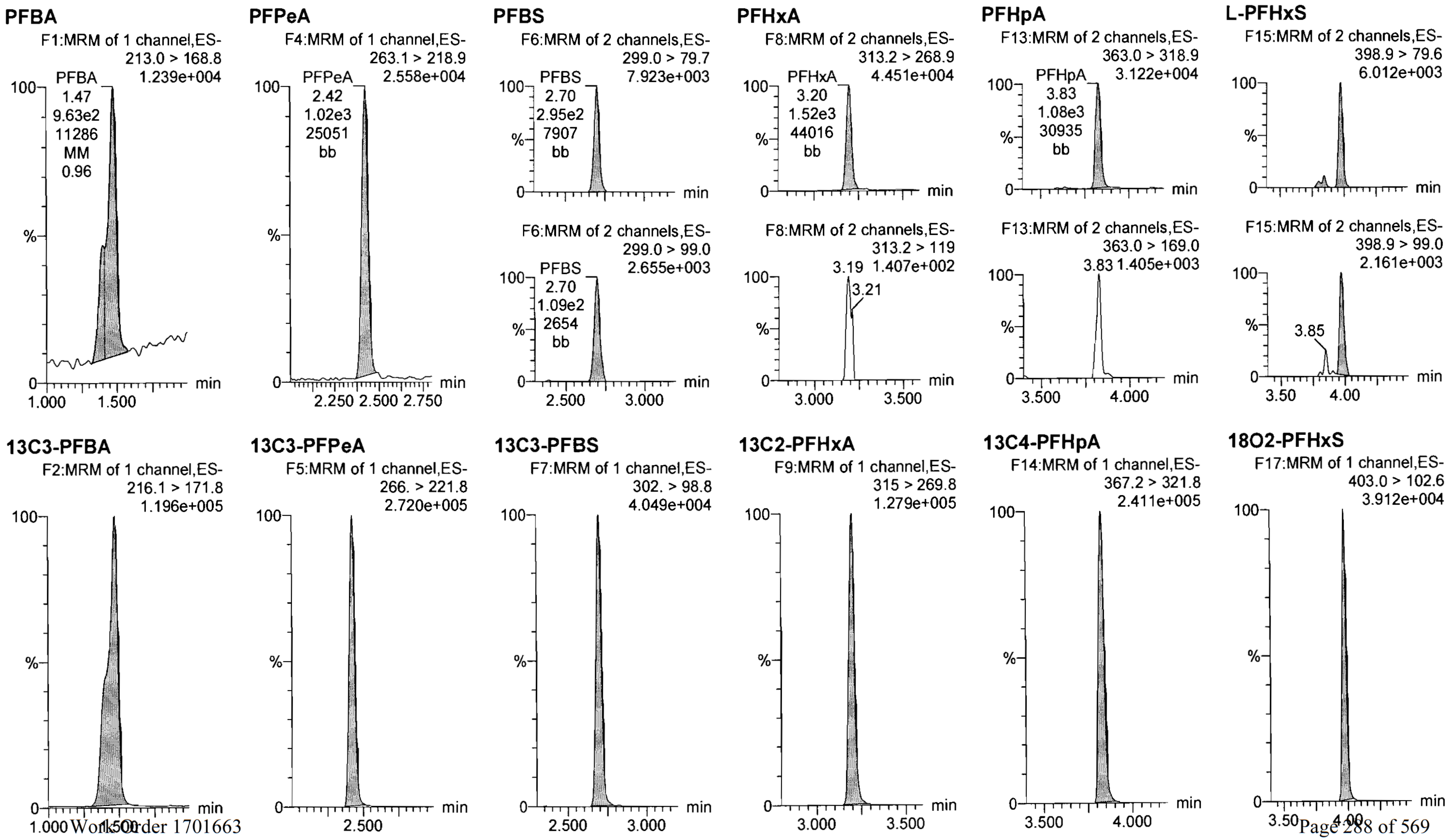
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171201M1\171201M1-2.qld

Last Altered: Friday, December 01, 2017 19:20:22 Pacific Standard Time
Printed: Saturday, December 02, 2017 12:01:52 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_113017.mdb 01 Dec 2017 12:18:40
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-30-17_FULL.cdb 01 Dec 2017 12:17:32

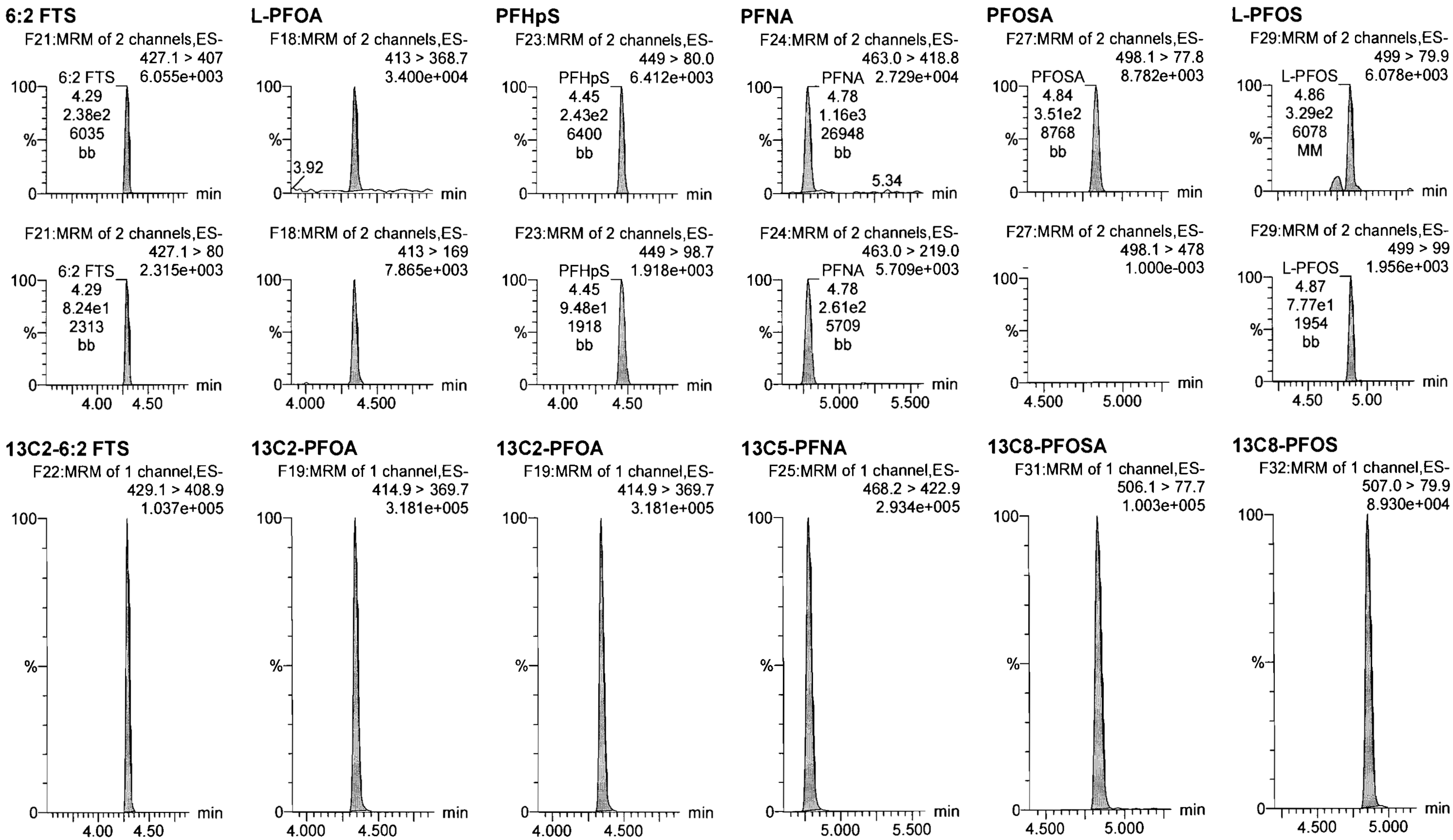
Name: 171201M1_2, Date: 01-Dec-2017, Time: 15:11:13, ID: ST171201M1-1 PFC CS0 17K2808, Description: PFC CS0 17K2808



Dataset: U:\Q4.PRO\results\171201M1\171201M1-2.qld

Last Altered: Friday, December 01, 2017 19:20:22 Pacific Standard Time
Printed: Saturday, December 02, 2017 12:01:52 Pacific Standard Time

Name: 171201M1_2, Date: 01-Dec-2017, Time: 15:11:13, ID: ST171201M1-1 PFC CS0 17K2808, Description: PFC CS0 17K2808

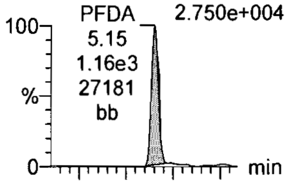


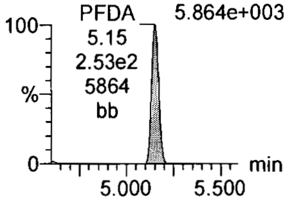
Vista Analytical Laboratory

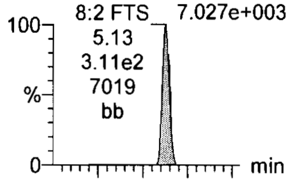
Dataset: U:\Q4.PRO\results\171201M1\171201M1-2.qld

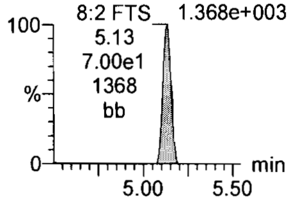
Last Altered: Friday, December 01, 2017 19:20:22 Pacific Standard Time
Printed: Saturday, December 02, 2017 12:01:52 Pacific Standard Time

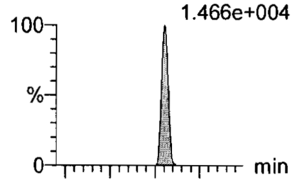
Name: 171201M1_2, Date: 01-Dec-2017, Time: 15:11:13, ID: ST171201M1-1 PFC CS0 17K2808, Description: PFC CS0 17K2808

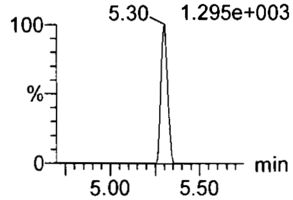
PFDA
F34:MRM of 2 channels,ES-
513 > 468.8
2.750e+004


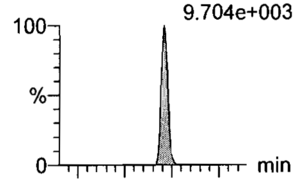
F34:MRM of 2 channels,ES-
513 > 219
5.864e+003


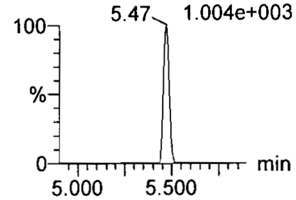
8:2 FTS
F39:MRM of 2 channels,ES-
527 > 506.9
7.027e+003


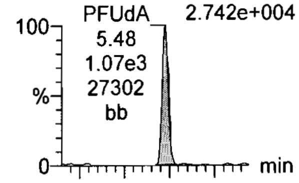
F39:MRM of 2 channels,ES-
527 > 80
1.368e+003


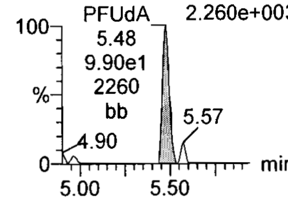
N-MeFOSAA
F44:MRM of 2 channels,ES-
570.1 > 419
1.466e+004


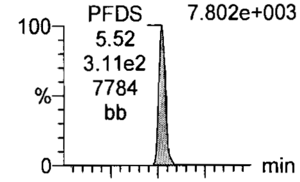
F44:MRM of 2 channels,ES-
570.1 > 483.0
1.295e+003


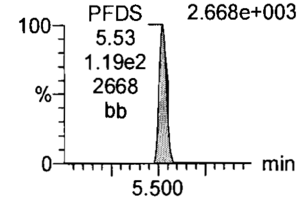
N-EtFOSAA
F47:MRM of 2 channels,ES-
584.2 > 419
9.704e+003


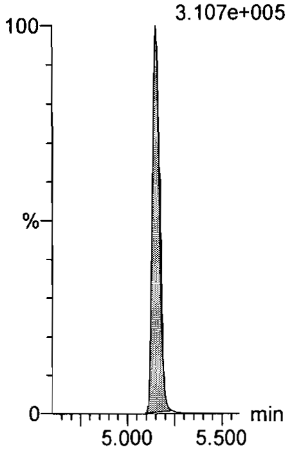
F47:MRM of 2 channels,ES-
584.2 > 483.0
1.004e+003


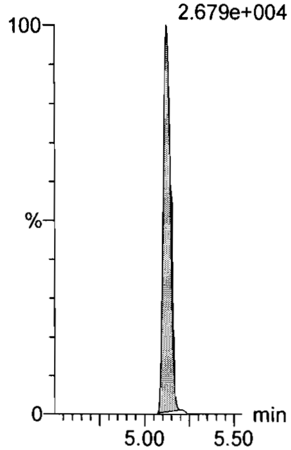
PFUdA
F42:MRM of 2 channels,ES-
563.0 > 518.9
2.742e+004


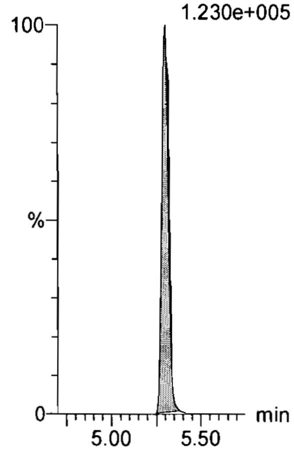
F42:MRM of 2 channels,ES-
563.0 > 269
2.260e+003


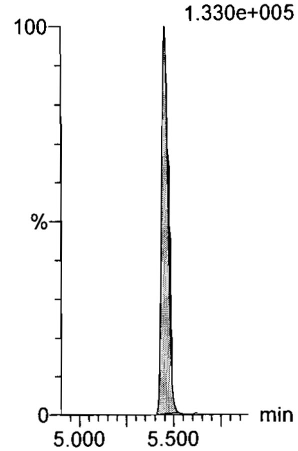
PFDS
F49:MRM of 2 channels,ES-
598.8 > 80
7.802e+003


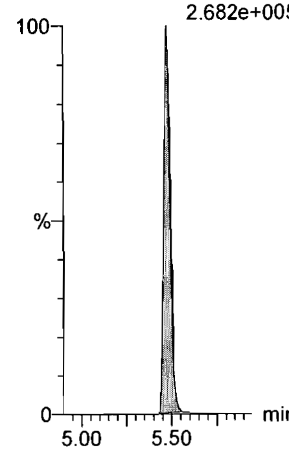
F49:MRM of 2 channels,ES-
598.8 > 98.7
2.668e+003


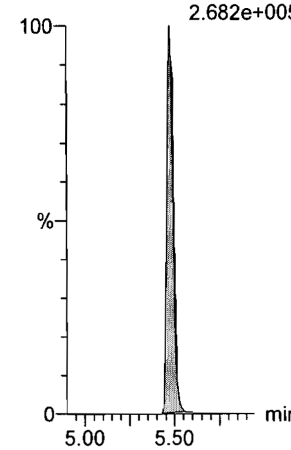
13C2-PFDA
F35:MRM of 1 channel,ES-
515.1 > 469.9
3.107e+005


13C2-8:2 FTS
F40:MRM of 1 channel,ES-
529.1 > 508.7
2.679e+004


d3-N-MeFOSAA
F46:MRM of 1 channel,ES-
573.3 > 419
1.230e+005


d5-N-EtFOSAA
F48:MRM of 1 channel,ES-
589.3 > 419
1.330e+005


13C2-PFUdA
F43:MRM of 1 channel,ES-
565 > 519.8
2.682e+005


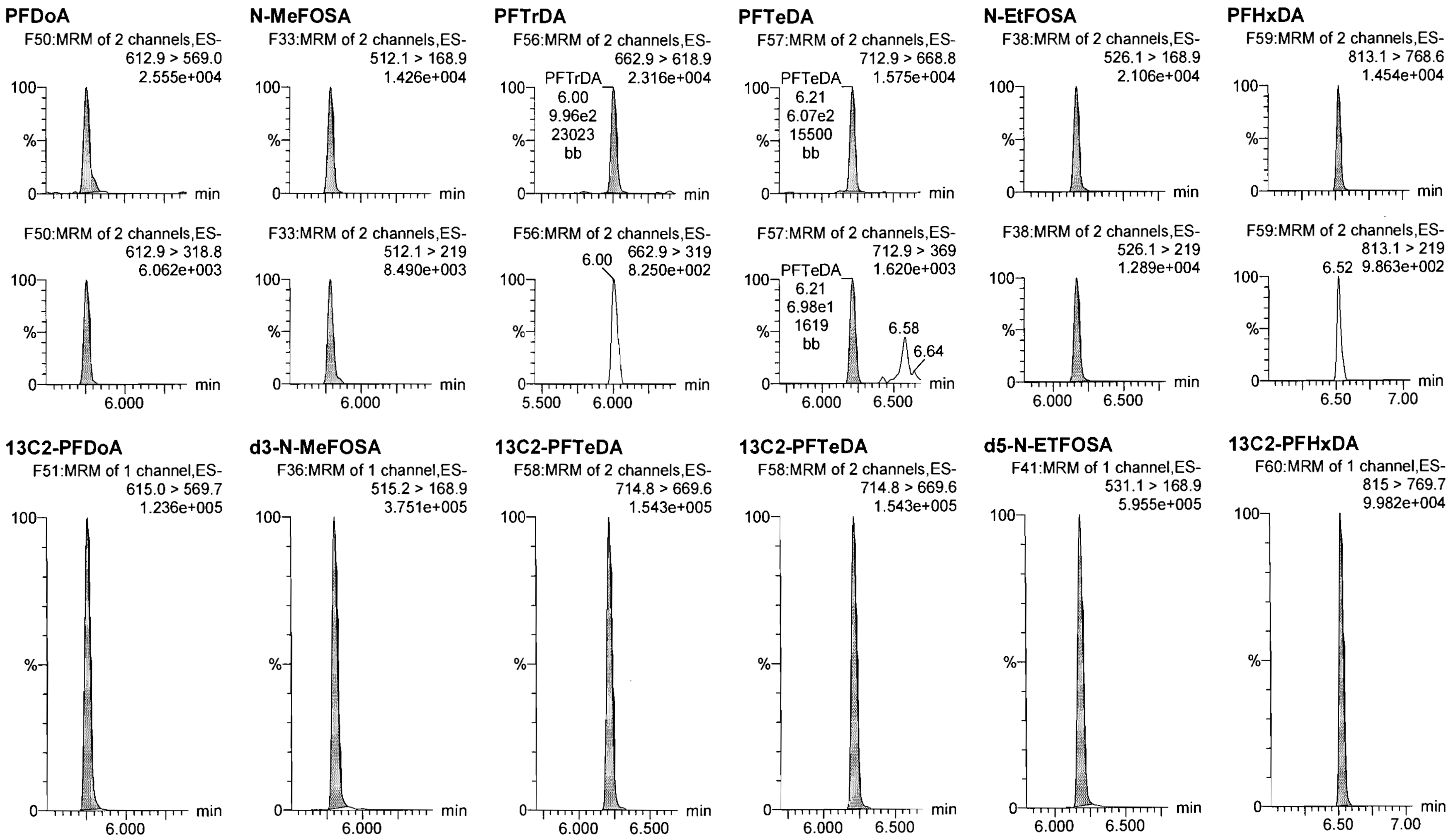
13C2-PFUdA
F43:MRM of 1 channel,ES-
565 > 519.8
2.682e+005


Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171201M1\171201M1-2.qld

Last Altered: Friday, December 01, 2017 19:20:22 Pacific Standard Time
Printed: Saturday, December 02, 2017 12:01:52 Pacific Standard Time

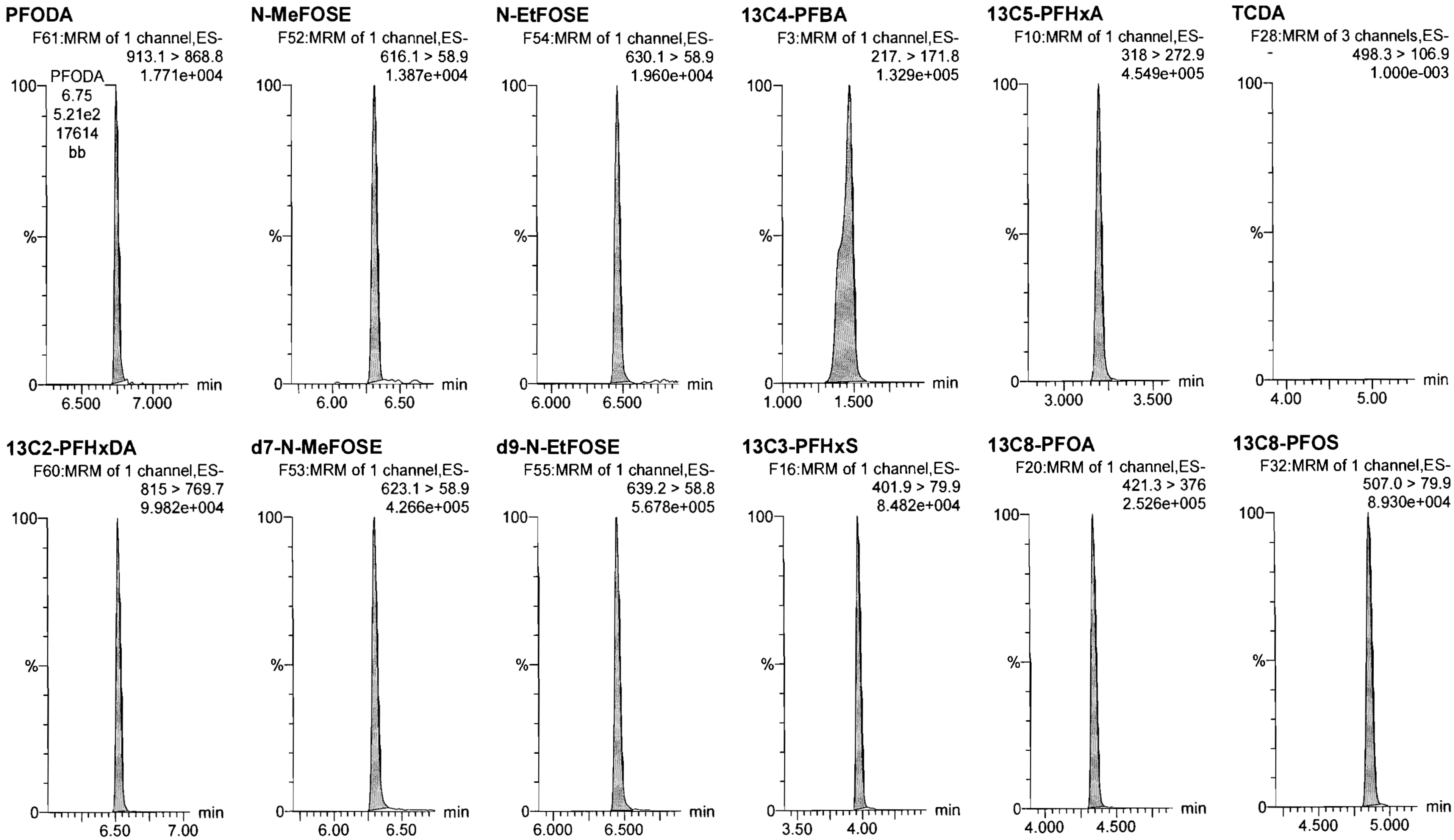
Name: 171201M1_2, Date: 01-Dec-2017, Time: 15:11:13, ID: ST171201M1-1 PFC CS0 17K2808, Description: PFC CS0 17K2808



Dataset: U:\Q4.PRO\results\171201M1\171201M1-2.qld

Last Altered: Friday, December 01, 2017 19:20:22 Pacific Standard Time
Printed: Saturday, December 02, 2017 12:01:52 Pacific Standard Time

Name: 171201M1_2, Date: 01-Dec-2017, Time: 15:11:13, ID: ST171201M1-1 PFC CS0 17K2808, Description: PFC CS0 17K2808



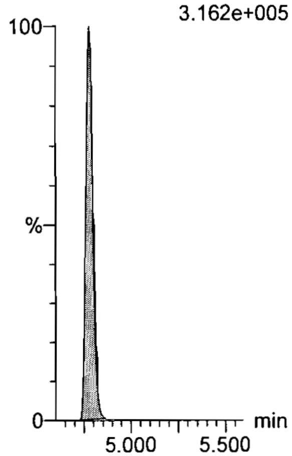
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171201M1\171201M1-2.qld

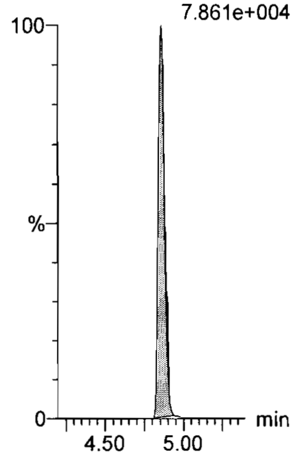
Last Altered: Friday, December 01, 2017 19:20:22 Pacific Standard Time
Printed: Saturday, December 02, 2017 12:01:52 Pacific Standard Time

Name: 171201M1_2, Date: 01-Dec-2017, Time: 15:11:13, ID: ST171201M1-1 PFC CS0 17K2808, Description: PFC CS0 17K2808

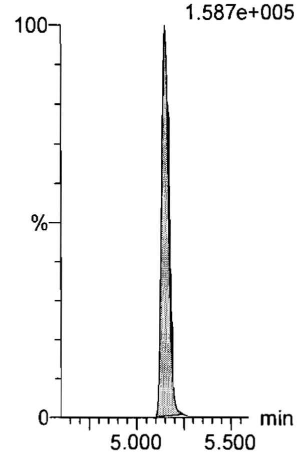
13C9-PFNA
F26:MRM of 1 channel,ES-
472.2 > 426.9
3.162e+005



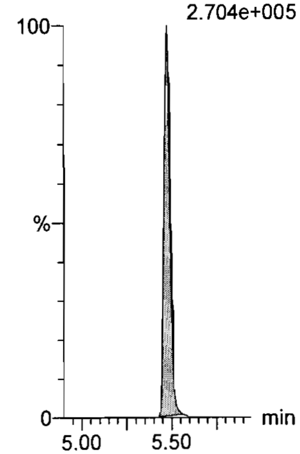
13C4-PFOS
F30:MRM of 1 channel,ES-
503 > 79.9
7.861e+004



13C6-PFDA
F37:MRM of 1 channel,ES-
519.1 > 473.7
1.587e+005



13C7-PFUdA
F45:MRM of 1 channel,ES-
570.1 > 524.8
2.704e+005



Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171201M1\171201M1-19.qld

Last Altered: Friday, December 01, 2017 19:18:16 Pacific Standard Time
Printed: Saturday, December 02, 2017 12:03:37 Pacific Standard Time

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✓JHA 12/04/2017

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_113017.mdb 01 Dec 2017 12:18:40
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-30-17_FULL.cdb 01 Dec 2017 12:17:32

Name: 171201M1_19, Date: 01-Dec-2017, Time: 18:21:15, ID: ST171201M1-2 PFC CS3 17K2810, Description: PFC CS3 17K2810

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1 PFBA	213.0 > 168.8	9.93e3	1.08e4	1.0000		1.66	1.48	11.5	9.942	99.4
2	2 PFPeA	263.1 > 218.9	1.10e4	1.30e4	1.0000		2.63	2.43	10.6	10.069	100.7
3	3 PFBS	299.0 > 79.7	3.03e3	1.53e3	1.0000		2.90	2.70	24.7	10.697	107.0
4	4 PFHxA	313.2 > 268.9	1.41e4	4.47e3	1.0000		3.40	3.20	15.7	10.454	104.5
5	5 PFHpA	363.0 > 318.9	1.11e4	9.60e3	1.0000		4.03	3.82	14.5	10.049	100.5
6	6 L-PFHxS	398.9 > 79.6	2.53e3	1.37e3	1.0000		4.19	3.98	23.1	10.540	105.4
7	8 6:2 FTS	427.1 > 407	2.56e3	3.07e3	1.0000		4.49	4.29	10.4	9.474	94.7
8	9 L-PFOA	413 > 368.7	1.09e4	1.16e4	1.0000		4.26	4.34	11.7	11.574	115.7
9	11 PFHpS	449 > 80.0	2.84e3	1.16e4	1.0000		4.65	4.45	3.06	10.155	101.5
10	12 PFNA	463.0 > 418.8	1.31e4	1.26e4	1.0000		5.00	4.78	13.0	10.148	101.5
11	13 PFOSA	498.1 > 77.8	2.79e3	4.02e3	1.0000		5.02	4.84	8.67	8.722	87.2
12	14 L-PFOS	499 > 79.9	3.02e3	3.04e3	1.0000		5.08	4.87	12.4	12.323	123.2
13	16 PFDA	513 > 468.8	1.29e4	1.09e4	1.0000		5.34	5.15	14.8	11.955	119.5
14	17 8:2 FTS	527 > 506.9	2.71e3	1.09e4	1.0000		5.35	5.13	3.10	12.653	126.5
15	18 N-MeFOSAA	570.1 > 419	6.63e3	5.38e3	1.0000		5.49	5.31	15.4	9.449	94.5
16	19 N-EtFOSAA	584.2 > 419	5.17e3	5.25e3	1.0000		5.64	5.46	12.3	10.787	107.9
17	20 PFUdA	563.0 > 518.9	9.91e3	1.09e4	1.0000		5.66	5.48	11.4	10.630	106.3
18	21 PFDS	598.8 > 80	3.39e3	1.09e4	1.0000		5.73	5.52	3.90	12.993	129.9
19	22 PFDoA	612.9 > 569.0	1.74e4	6.50e3	1.0000		5.94	5.76	33.5	12.818	128.2
20	23 N-MeFOSA	512.1 > 168.9	5.83e3	1.51e4	1.0000		5.85	5.79	58.0	55.598	111.2
21	24 PFTrDA	662.9 > 618.9	1.19e4	6.50e3	1.0000		6.18	6.00	22.8	8.963	89.6
22	25 PFTeDA	712.9 > 668.8	6.05e3	5.21e3	1.0000		6.37	6.21	14.5	9.645	96.5
23	26 N-EtFOSA	526.1 > 168.9	7.87e3	2.40e4	1.0000		6.21	6.17	49.1	50.243	100.5
24	27 PFHxDA	813.1 > 768.6	3.91e3	3.35e3	1.0000		6.66	6.52	5.83	9.708	97.1
25	28 PFODA	913.1 > 868.8	5.74e3	3.35e3	1.0000		6.87	6.74	8.56	10.733	107.3
26	29 N-MeFOSE	616.1 > 58.9	7.38e3	1.89e4	1.0000		6.30	6.32	58.5	55.025	110.0
27	30 N-EtFOSE	630.1 > 58.9	7.70e3	2.08e4	1.0000		6.42	6.46	55.5	47.337	94.7
28	31 13C3-PFBA	216.1 > 171.8	1.08e4	1.25e4	1.0000	0.870	1.66	1.48	10.9	12.489	99.9
29	32 13C3-PFPeA	266. > 221.8	1.30e4	1.74e4	1.0000	0.733	2.63	2.43	9.29	12.672	101.4
30	33 13C3-PFBS	302. > 98.8	1.53e3	1.74e4	1.0000	0.092	2.90	2.70	1.10	11.983	95.9
31	34 13C2-PFHxA	315 > 269.8	4.47e3	1.74e4	1.0000	0.738	3.40	3.20	3.21	4.347	86.[illegible]

70-130

50-150

Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171201M1\171201M1-19.qld

Last Altered: Friday, December 01, 2017 19:18:16 Pacific Standard Time
Printed: Saturday, December 02, 2017 12:03:37 Pacific Standard Time

Name: 171201M1_19, Date: 01-Dec-2017, Time: 18:21:15, ID: ST171201M1-2 PFC CS3 17K2810, Description: PFC CS3 17K2810

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	35 13C4-PFHpA	367.2 > 321.8	9.60e3	1.74e4	1.0000	0.564	4.03	3.82	6.88	12.189	97.5
33	36 18O2-PFHxS	403.0 > 102.6	1.37e3	3.34e3	1.0000	0.407	4.17	3.97	5.12	12.579	100.6
34	37 13C2-6:2 FTS	429.1 > 408.9	3.07e3	1.24e4	1.0000	0.265	4.49	4.29	3.11	11.737	93.9
35	38 13C2-PFOA	414.9 > 369.7	1.16e4	1.24e4	1.0000	1.026	4.54	4.34	11.7	11.414	91.3
36	39 13C5-PFNA	468.2 > 422.9	1.26e4	1.44e4	1.0000	0.942	4.97	4.78	10.9	11.557	92.5
37	40 13C8-PFOSA	506.1 > 77.7	4.02e3	1.07e4	1.0000	0.360	5.02	4.84	4.71	13.091	104.7
38	41 13C8-PFOS	507.0 > 79.9	3.04e3	3.78e3	1.0000	1.023	5.05	4.86	10.0	9.817	78.5
39	42 13C2-PFDA	515.1 > 469.9	1.09e4	8.48e3	1.0000	1.569	5.34	5.16	16.1	10.249	82.0
40	43 13C2-8:2 FTS	529.1 > 508.7	1.03e3	1.74e4	1.0000	0.082	5.32	5.13	0.737	9.022	72.2
41	44 d3-N-MeFOSAA	573.3 > 419	5.38e3	1.07e4	1.0000	0.428	5.49	5.30	6.31	14.732	117.9
42	45 d5-N-EtFOSAA	589.3 > 419	5.25e3	1.07e4	1.0000	0.434	5.64	5.46	6.16	14.186	113.5
43	46 13C2-PFUdA	565 > 519.8	1.09e4	1.07e4	1.0000	1.126	5.66	5.48	12.7	11.319	90.6
44	47 13C2-PFDoA	615.0 > 569.7	6.50e3	1.07e4	1.0000	0.577	5.94	5.76	7.62	13.223	105.8
45	48 d3-N-MeFOSA	515.2 > 168.9	1.51e4	1.07e4	1.0000	0.121	5.85	5.81	17.7	146.366	97.6
46	49 13C2-PFTeDA	714.8 > 669.6	5.21e3	1.07e4	1.0000	0.654	6.37	6.22	6.10	9.337	74.7
47	50 d5-N-ETFOSA	531.1 > 168.9	2.40e4	1.07e4	1.0000	0.183	6.21	6.18	28.2	153.867	102.6
48	51 13C2-PFHxDA	815 > 769.7	3.35e3	1.07e4	1.0000	0.794	6.66	6.52	3.93	4.950	99.0
49	52 d7-N-MeFOSE	623.1 > 58.9	1.89e4	1.07e4	1.0000	0.163	6.30	6.30	22.2	135.789	90.5
50	53 d9-N-EtFOSE	639.2 > 58.8	2.08e4	1.07e4	1.0000	0.166	6.42	6.45	24.4	146.673	97.8
51	54 13C4-PFBA	217. > 171.8	1.25e4	1.25e4	1.0000	1.000	1.66	1.47	12.5	12.500	100.0
52	55 13C5-PFHxA	318 > 272.9	1.74e4	1.74e4	1.0000	1.000	3.40	3.20	12.5	12.500	100.0
53	56 13C3-PFHxS	401.9 > 79.9	3.34e3	3.34e3	1.0000	1.000	4.17	3.97	12.5	12.500	100.0
54	57 13C8-PFOA	421.3 > 376	1.24e4	1.24e4	1.0000	1.000	4.54	4.34	12.5	12.500	100.0
55	58 13C9-PFNA	472.2 > 426.9	1.44e4	1.44e4	1.0000	1.000	4.97	4.78	12.5	12.500	100.0
56	59 13C4-PFOS	503 > 79.9	3.78e3	3.78e3	1.0000	1.000	5.05	4.86	12.5	12.500	100.0
57	60 13C6-PFDA	519.1 > 473.7	8.48e3	8.48e3	1.0000	1.000	5.34	5.16	12.5	12.500	100.0
58	61 13C7-PFUdA	570.1 > 524.8	1.07e4	1.07e4	1.0000	1.000	5.66	5.48	12.5	12.500	100.0

50-150

Dataset: Untitled

Last Altered: Monday, December 04, 2017 08:51:43 Pacific Standard Time
Printed: Monday, December 04, 2017 08:59:13 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_113017.mdb 01 Dec 2017 12:18:40
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-30-17_FULL.cdb 01 Dec 2017 12:17:32

Compound name: PFBA

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2	171201M1_2	ST171201M1-1 PFC CS0 17K2808	01-Dec-17	15:11:13
3	171201M1_3	IPA	01-Dec-17	15:22:24
4	171201M1_4	B7K0168-BS1 OPR 1	01-Dec-17	15:33:34
5	171201M1_5	IPA	01-Dec-17	15:44:45
6	171201M1_6	B7K0168-BLK1 Method Blank 1	01-Dec-17	15:55:55
7	171201M1_7	B7K0168-MS1 Matrix Spike 1.16	01-Dec-17	16:07:06
8	171201M1_7	B7K0168-MS1 Matrix Spike 1.16	01-Dec-17	16:07:06
9	171201M1_8	1701663-01 TRUAX-07-SO-DUP2-110717 1.27	01-Dec-17	16:18:17
10	171201M1_9	1701663-02 TRUAX-07-SB01-110717-0.5-1.0 ...	01-Dec-17	16:29:28
11	171201M1_10	1701663-03 TRUAX-07-SB01-110717-4.5-5.0 ...	01-Dec-17	16:40:38
12	171201M1_11	1701663-04 TRUAX-08-SB03-110717-0.5-1.0 ...	01-Dec-17	16:51:49
13	171201M1_12	1701663-05 TRUAX-08-SB03-110717-4.5-5.0 ...	01-Dec-17	17:03:00
14	171201M1_13	1701663-07 TRUAX-08-SO-DUP3-110717 1.13	01-Dec-17	17:14:10
15	171201M1_14	1701663-08 TRUAX-08-SB02-110717-5.0-5.5 ...	01-Dec-17	17:25:21
16	171201M1_15	1701663-10 TRUAX-08-SB01-110717-5.0-5.5 ...	01-Dec-17	17:36:32
17	171201M1_16	1701663-11 TRUAX-06-SB03-4.5-5.5 1.27	01-Dec-17	17:47:43
18	171201M1_17	1701663-12 TRUAX-06-SB03-7.0-7.5 1.21	01-Dec-17	17:58:53
19	171201M1_18	IPA	01-Dec-17	18:10:04
20	171201M1_19	ST171201M1-2 PFC CS3 17K2810	01-Dec-17	18:21:15
21	171201M1_20	IPA	01-Dec-17	18:32:25
22	171201M1_21	B7K0162-BLK1 Method Blank 0.25	01-Dec-17	18:43:39
23	171201M1_22	1701663-14 TRUAX-06-SB02-110717-4.5-5.0 ...	01-Dec-17	18:54:48
24	171201M1_23	1701663-16 TRUAX-09-SB03-110717-6.5-7.0 ...	01-Dec-17	19:05:58
25	171201M1_24	1701663-17 TRUAX-07-SB03-110717-0.5-1.0 ...	01-Dec-17	19:17:10
26	171201M1_25	1701663-18 TRUAX-07-SB03-110717-5.0-5.5 ...	01-Dec-17	19:28:20
27	171201M1_26	1701663-20 TRUAX-07-SB02-110717-4.5-5.0 ...	01-Dec-17	19:39:31
28	171201M1_27	IPA	01-Dec-17	19:50:42
29	171201M1_28	B7K0085-MS1 Matrix Spike 0.12635	01-Dec-17	20:01:53
30	171201M1_29	B7K0085-MSD1 Matrix Spike Dup 0.12326	01-Dec-17	20:13:02
31	171201M1_30	IPA	01-Dec-17	20:24:13

Dataset: Untitled

Last Altered: Monday, December 04, 2017 08:51:43 Pacific Standard Time
Printed: Monday, December 04, 2017 08:59:13 Pacific Standard Time

Compound name: PFBA

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32	171201M1_31	1701662-01 TRUAX-BB-TWBB01-110817 0.1...	01-Dec-17	20:35:24
33	171201M1_32	1701662-02 TRUAX-BB-GW-DUP0101-11081...	01-Dec-17	20:46:35
34	171201M1_33	1701662-03 TRUAX-06-TW06-110617 0.11787	01-Dec-17	20:57:46
35	171201M1_34	1701662-04 TRUAX-01-TW01-110817 0.12211	01-Dec-17	21:08:56
36	171201M1_35	IPA	01-Dec-17	21:20:06
37	171201M1_36	1701662-05 TRUAX-03-TW03-110817 0.12109	01-Dec-17	21:31:17
38	171201M1_37	IPA	01-Dec-17	21:42:28
39	171201M1_38	ST171201M1-3 PFC CS3 17K2810	01-Dec-17	21:53:39
40	171201M1_39	IPA	01-Dec-17	22:04:49
41	171201M1_40	1701662-06 TRUAX-07-TW07-110817 0.11822	01-Dec-17	22:16:00
42	171201M1_41	IPA	01-Dec-17	22:27:10
43	171201M1_42	1701662-07 TRUAX-02-TW02-110817 0.12754	01-Dec-17	22:38:22
44	171201M1_43	IPA	01-Dec-17	22:49:33
45	171201M1_44	1701662-08 TRUAX-08-TW08-110817 0.11855	01-Dec-17	23:00:43
46	171201M1_45	IPA	01-Dec-17	23:11:54
47	171201M1_46	1701662-09 TRUAX-BB-TWBB02-110917 0.1...	01-Dec-17	23:23:04
48	171201M1_47	IPA	01-Dec-17	23:34:15
49	171201M1_48	1701662-10 TRUAX-BB-TWBB03-110917 0.1...	01-Dec-17	23:45:26
50	171201M1_49	1701662-11 TRUAX-09-TW09-110917 0.11447	01-Dec-17	23:56:37
51	171201M1_50	1701662-12 TRUAX-04-TW04-110917 0.12418	02-Dec-17	00:07:47
52	171201M1_51	1701662-13 TRUAX-05-TW05-110917 0.11422	02-Dec-17	00:18:58
53	171201M1_52	1701662-14 TRUAX-EB-110617 0.11648	02-Dec-17	00:30:09
54	171201M1_53	1701662-04@20X TRUAX-01-TW01-110817 ...	02-Dec-17	00:41:19
55	171201M1_54	IPA	02-Dec-17	00:52:30
56	171201M1_55	ST171201M1-4 PFC CS0 17K2808	02-Dec-17	01:03:41
57	171201M1_56	IPA	02-Dec-17	01:14:52
58	171201M1_57	1701662-05@10X TRUAX-03-TW03-110817 ...	02-Dec-17	01:26:02
59	171201M1_58	1701662-06@5X TRUAX-07-TW07-110817 0....	02-Dec-17	01:37:13
60	171201M1_59	1701662-07@20X TRUAX-02-TW02-110817 ...	02-Dec-17	01:48:23
61	171201M1_60	1701662-08@5X TRUAX-08-TW08-110817 0....	02-Dec-17	01:59:35
62	171201M1_61	1701662-09@5X TRUAX-BB-TWBB02-11091...	02-Dec-17	02:10:45
63	171201M1_62	1701625-01@5X PT 537 Mod DW Part#3829...	02-Dec-17	02:21:56
64	171201M1_63	IPA	02-Dec-17	02:33:06
65	171201M1_64	1701676-10 RICHM-GW-TW04-110817 0.11319	02-Dec-17	02:44:17

Dataset: Untitled

Last Altered: Monday, December 04, 2017 08:51:43 Pacific Standard Time
Printed: Monday, December 04, 2017 08:59:13 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
66	171201M1_65	1701674-10 RICHM-GW-DUP01-110717 0.11...	02-Dec-17	02:55:28
67	171201M1_66	IPA	02-Dec-17	03:06:39
68	171201M1_67	B7K0146-BS1 OPR 0.125	02-Dec-17	03:17:49
69	171201M1_68	B7K0166-BS1 OPR 1	02-Dec-17	03:29:00
70	171201M1_69	IPA	02-Dec-17	03:40:11
71	171201M1_70	B7K0146-BLK1 Method Blank 0.125	02-Dec-17	03:51:21
72	171201M1_71	B7K0166-BLK1 Method Blank 1	02-Dec-17	04:02:32
73	171201M1_72	B7K0166-MS1 Matrix Spike 1.41	02-Dec-17	04:13:43
74	171201M1_73	B7K0166-MSD1 Matrix Spike Dup 1.41	02-Dec-17	04:24:53
75	171201M1_74	1701675-01RE1 RICHM-01-SB01-0-2 1.27	02-Dec-17	04:36:04
76	171201M1_75	1701675-02RE1 RICHM-01-SB01-8-10 1.35	02-Dec-17	04:47:15
77	171201M1_76	IPA	02-Dec-17	04:58:26
78	171201M1_77	ST171201M1-5 PFC CS3 17K2810	02-Dec-17	05:09:36
79	171201M1_78	IPA	02-Dec-17	05:20:47
80	171201M1_79	1701675-03RE1 RICHM-01-SB02-0-2 1.24	02-Dec-17	05:31:58
81	171201M1_80	1701675-04RE1 RICHM-01-SB02-8-10 1.29	02-Dec-17	05:43:08
82	171201M1_81	1701675-05RE1 RICHM-01-SB03-0-2 1.19	02-Dec-17	05:54:19
83	171201M1_82	1701675-06RE1 RICHM-01-SB03-8-10 1.27	02-Dec-17	06:05:30
84	171201M1_83	1701675-07RE1 RICHM-04-SB01-0-2 1.25	02-Dec-17	06:16:41
85	171201M1_84	1701675-08RE1 RICHM-04-SB01-8-10 1.23	02-Dec-17	06:27:51
86	171201M1_85	1701675-09RE1 RICHM-04-SB02-0-2 1.21	02-Dec-17	06:39:02
87	171201M1_86	1701675-10RE1 RICHM-04-SB02-8-10 1.29	02-Dec-17	06:50:13
88	171201M1_87	1701675-12RE1 RICHM-SO-DUP01-110717 1...	02-Dec-17	07:01:23
89	171201M1_88	1701677-01RE1 RICHM-01-SD01-0-0.5 1.41	02-Dec-17	07:12:34
90	171201M1_89	IPA	02-Dec-17	07:23:45
91	171201M1_90	ST171201M1-6 PFC CS3 17K2810	02-Dec-17	07:34:56
92	171201M1_91	IPA	02-Dec-17	07:46:06
93	171201M1_92	1701677-02RE1 RICHM-02-SD01-0-0.5 1.36	02-Dec-17	07:57:17
94	171201M1_93	1701677-04RE1 RICHM-03-SB01-0-2 1.27	02-Dec-17	08:08:28
95	171201M1_94	1701677-05RE1 RICHM-03-SB01-8-10 1.27	02-Dec-17	08:19:38
96	171201M1_95	1701677-06RE1 RICHM-05-SB01-0-2 1.21	02-Dec-17	08:30:49
97	171201M1_96	1701677-07RE1 RICHM-05-SB01-8-10 1.31	02-Dec-17	08:42:00
98	171201M1_97	1701677-08RE1 RICHM-05-SB04-8-10 1.31	02-Dec-17	08:53:11
99	171201M1_98	1701677-11RE1 RICHM-SD-DUP01-110817 1.4	02-Dec-17	09:04:21

Dataset: Untitled

Last Altered: Monday, December 04, 2017 08:51:43 Pacific Standard Time
Printed: Monday, December 04, 2017 08:59:13 Pacific Standard Time

Compound name: PFBA

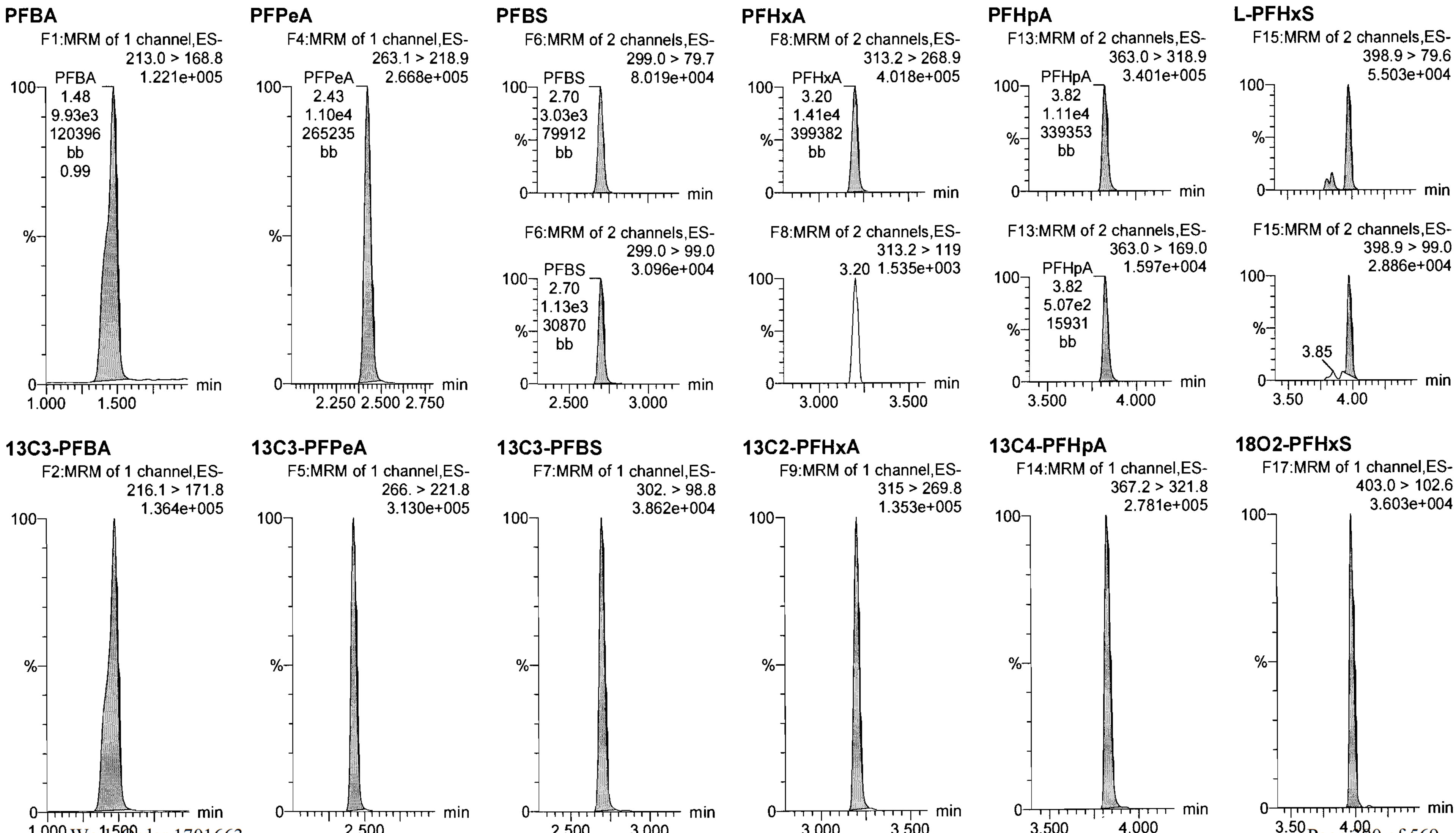
	Name	ID	Acq.Date	Acq.Time
100	171201M1_99	1701730-01 MW-106S(R) 0.10998	02-Dec-17	09:15:32
101	171201M1_100	1701730-02 MW-106R 0.08994	02-Dec-17	09:26:43
102	171201M1_101	1701730-03 MW-111R 0.10865	02-Dec-17	09:37:53
103	171201M1_102	IPA	02-Dec-17	09:49:04
104	171201M1_103	ST171201M1-7 PFC CS3 17K2810	02-Dec-17	10:00:15
105	171201M1_104	IPA	02-Dec-17	10:11:25
106	171201M1_105	1701730-04 MW-111S 0.09727	02-Dec-17	10:22:36
107	171201M1_106	1701730-05 M-9R 0.1087	02-Dec-17	10:33:47
108	171201M1_107	1701730-06 MW-10(R) 0.10514	02-Dec-17	10:44:57
109	171201M1_108	1701730-07 M-1S 0.09279	02-Dec-17	10:56:08
110	171201M1_109	1701730-08 M-1R 0.10992	02-Dec-17	11:07:19
111	171201M1_110	1701730-09 M-11S 0.09824	02-Dec-17	11:18:30
112	171201M1_111	1701730-10 M-11M 0.10351	02-Dec-17	11:29:40
113	171201M1_112	1701730-11 M-11R 0.0856	02-Dec-17	11:40:51
114	171201M1_113	1701730-12 FB-PFAS-1 0.10728	02-Dec-17	11:52:02
115	171201M1_114	1701730-13 TB-PFAS-1 0.10709	02-Dec-17	12:03:13
116	171201M1_115	IPA	02-Dec-17	12:14:23
117	171201M1_116	ST171201M1-8 PFC CS3 17K2810	02-Dec-17	12:25:34
118	171201M1_117	IPA	02-Dec-17	12:36:45

Dataset: U:\Q4.PRO\results\171201M1\171201M1-19.qld

Last Altered: Friday, December 01, 2017 19:18:16 Pacific Standard Time
Printed: Saturday, December 02, 2017 12:03:37 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_113017.mdb 01 Dec 2017 12:18:40
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-30-17_FULL.cdb 01 Dec 2017 12:17:32

Name: 171201M1_19, Date: 01-Dec-2017, Time: 18:21:15, ID: ST171201M1-2 PFC CS3 17K2810, Description: PFC CS3 17K2810

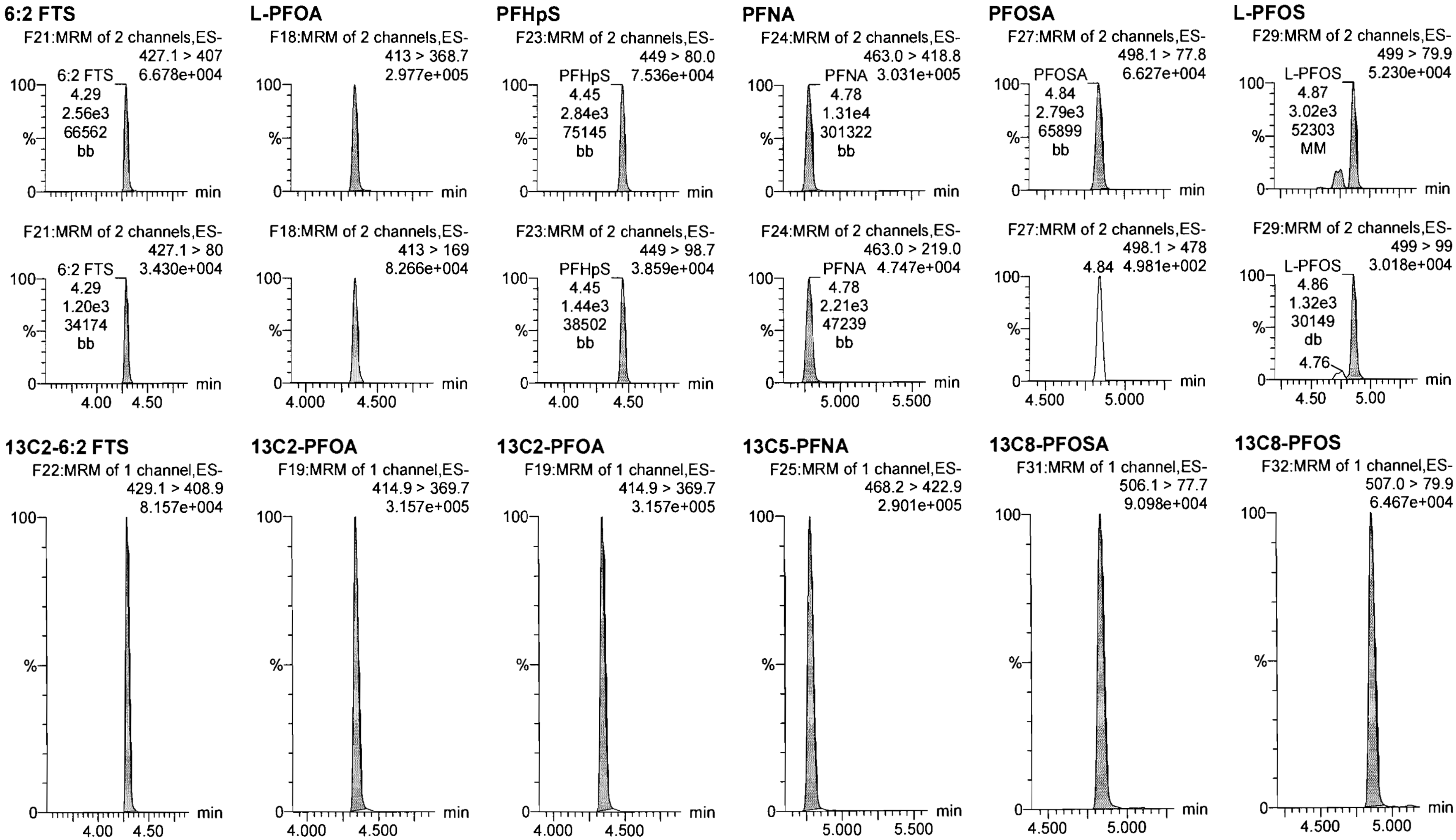


Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171201M1\171201M1-19.qld

Last Altered: Friday, December 01, 2017 19:18:16 Pacific Standard Time
Printed: Saturday, December 02, 2017 12:03:37 Pacific Standard Time

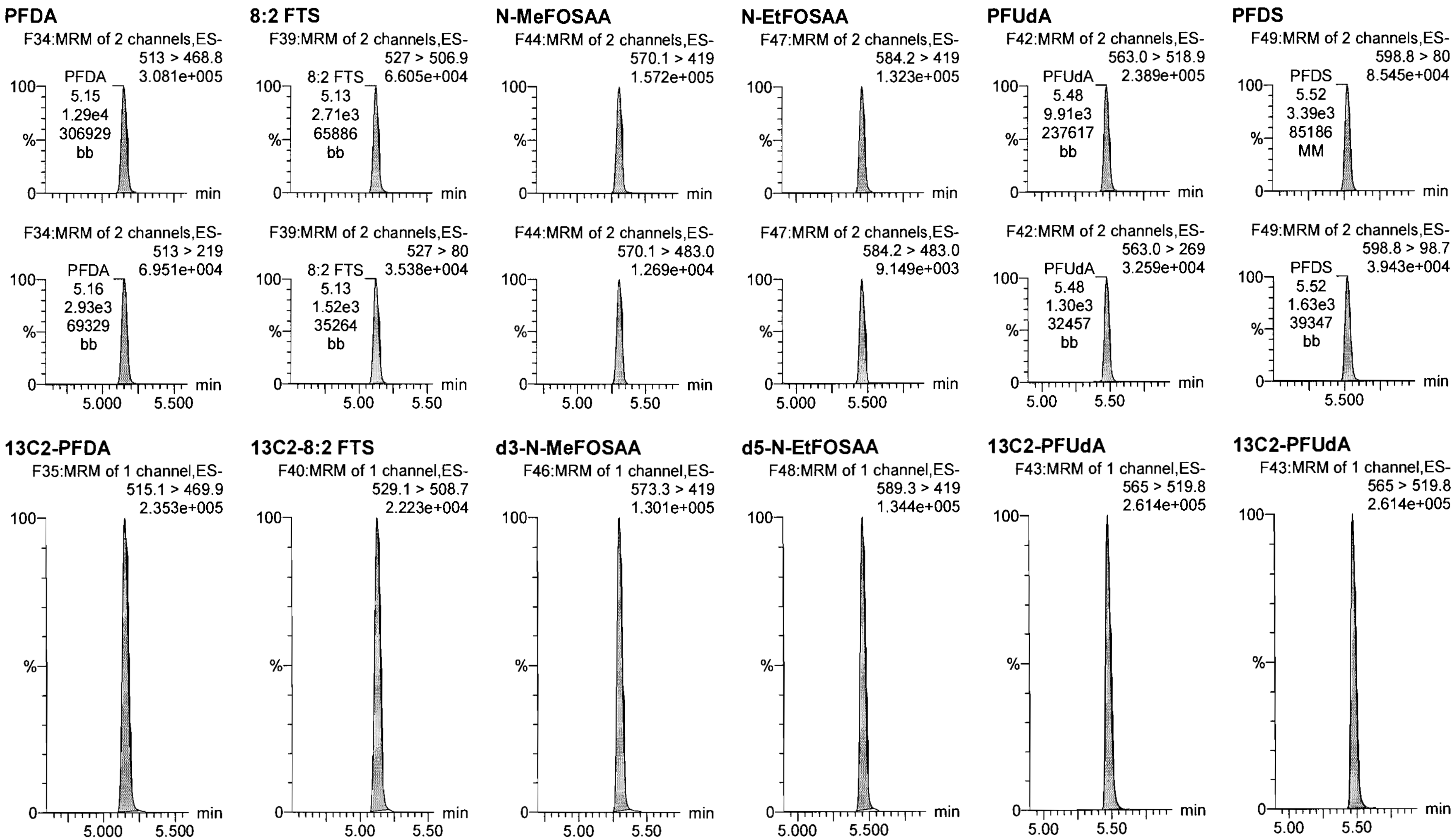
Name: 171201M1_19, Date: 01-Dec-2017, Time: 18:21:15, ID: ST171201M1-2 PFC CS3 17K2810, Description: PFC CS3 17K2810



Dataset: U:\Q4.PRO\results\171201M1\171201M1-19.qld

Last Altered: Friday, December 01, 2017 19:18:16 Pacific Standard Time
Printed: Saturday, December 02, 2017 12:03:37 Pacific Standard Time

Name: 171201M1_19, Date: 01-Dec-2017, Time: 18:21:15, ID: ST171201M1-2 PFC CS3 17K2810, Description: PFC CS3 17K2810

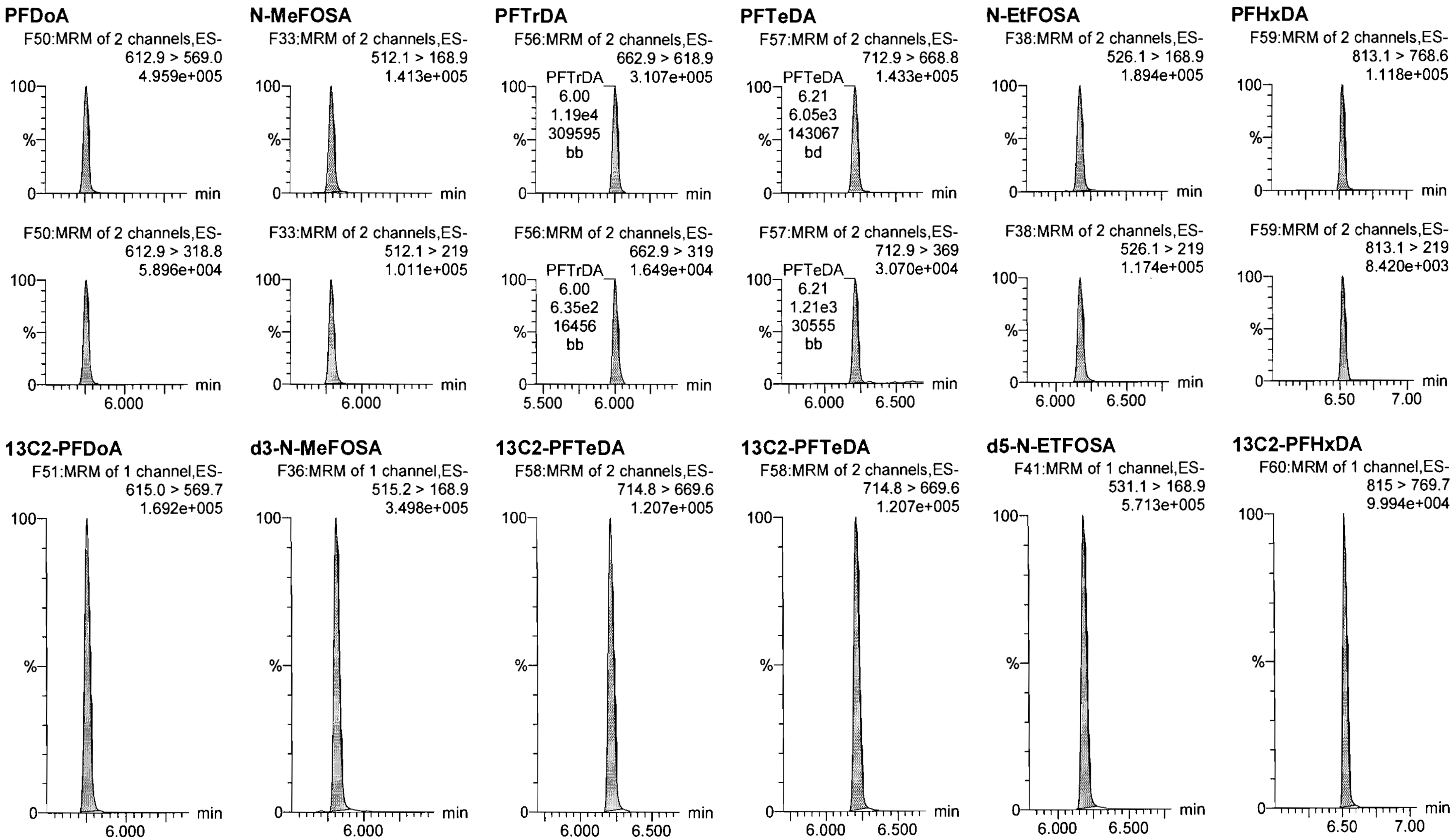


Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171201M1\171201M1-19.qld

Last Altered: Friday, December 01, 2017 19:18:16 Pacific Standard Time
Printed: Saturday, December 02, 2017 12:03:37 Pacific Standard Time

Name: 171201M1_19, Date: 01-Dec-2017, Time: 18:21:15, ID: ST171201M1-2 PFC CS3 17K2810, Description: PFC CS3 17K2810



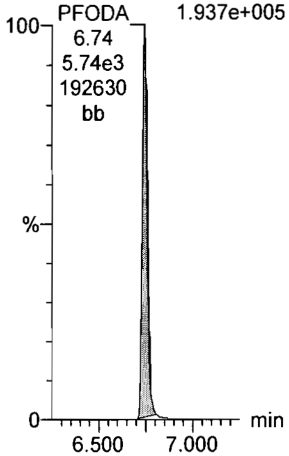
Quantify Sample Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171201M1\171201M1-19.qld

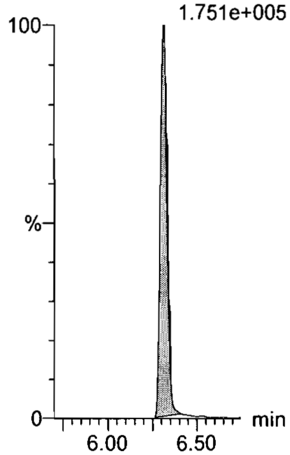
Last Altered: Friday, December 01, 2017 19:18:16 Pacific Standard Time
Printed: Saturday, December 02, 2017 12:03:37 Pacific Standard Time

Name: 171201M1_19, Date: 01-Dec-2017, Time: 18:21:15, ID: ST171201M1-2 PFC CS3 17K2810, Description: PFC CS3 17K2810

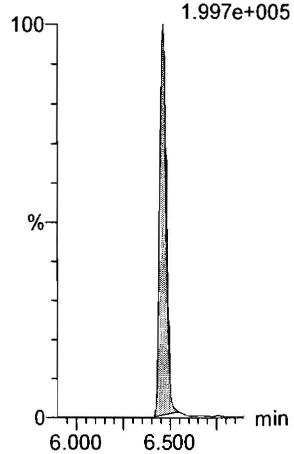
PFODA
F61:MRM of 1 channel,ES-
913.1 > 868.8
1.937e+005



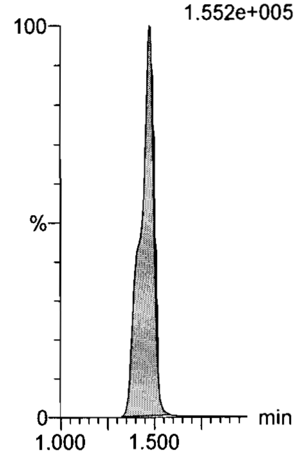
N-MeFOSE
F52:MRM of 1 channel,ES-
616.1 > 58.9
1.751e+005



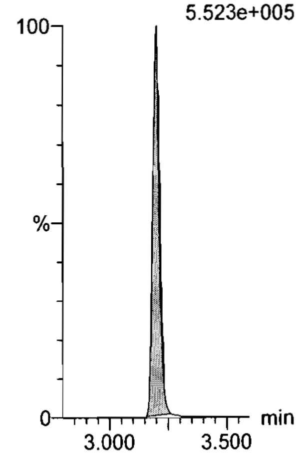
N-EtFOSE
F54:MRM of 1 channel,ES-
630.1 > 58.9
1.997e+005



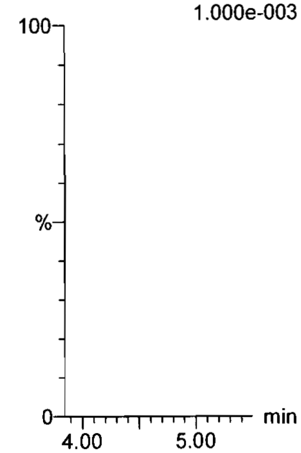
13C4-PFBA
F3:MRM of 1 channel,ES-
217. > 171.8
1.552e+005



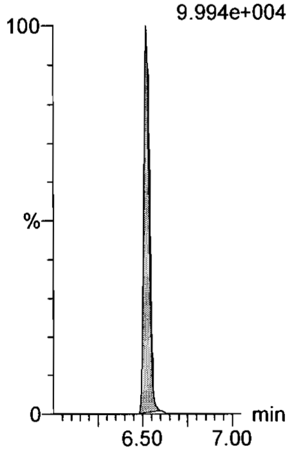
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
5.523e+005



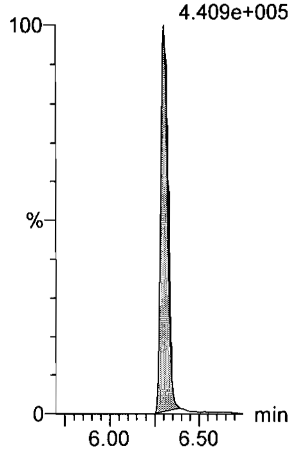
TCDA
F28:MRM of 3 channels,ES-
-
498.3 > 106.9
1.000e-003



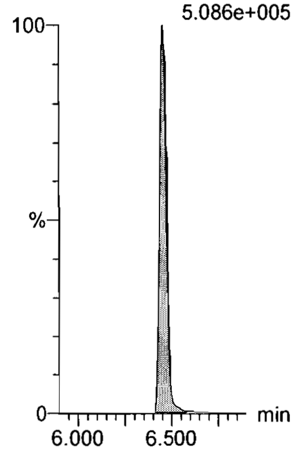
13C2-PFHxDA
F60:MRM of 1 channel,ES-
815 > 769.7
9.994e+004



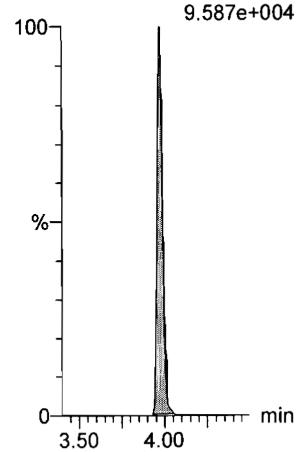
d7-N-MeFOSE
F53:MRM of 1 channel,ES-
623.1 > 58.9
4.409e+005



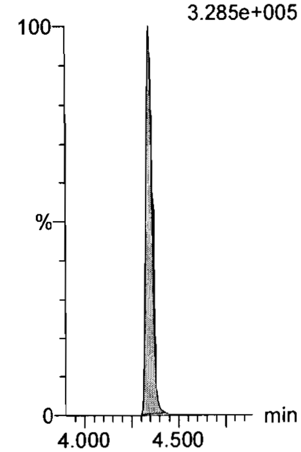
d9-N-EtFOSE
F55:MRM of 1 channel,ES-
639.2 > 58.8
5.086e+005



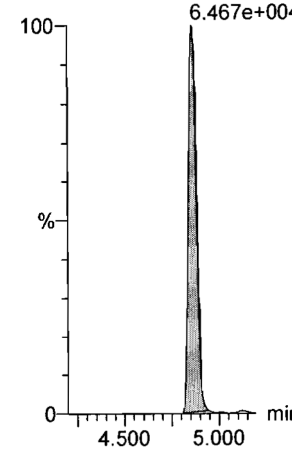
13C3-PFHxS
F16:MRM of 1 channel,ES-
401.9 > 79.9
9.587e+004



13C8-PFOA
F20:MRM of 1 channel,ES-
421.3 > 376
3.285e+005



13C8-PFOS
F32:MRM of 1 channel,ES-
507.0 > 79.9
6.467e+004



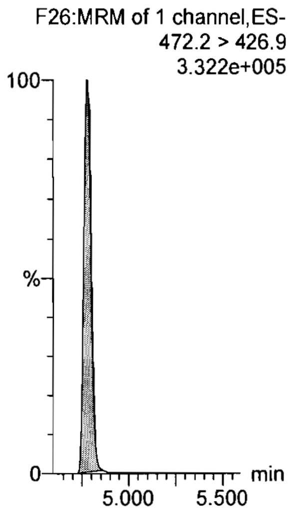
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171201M1\171201M1-19.qld

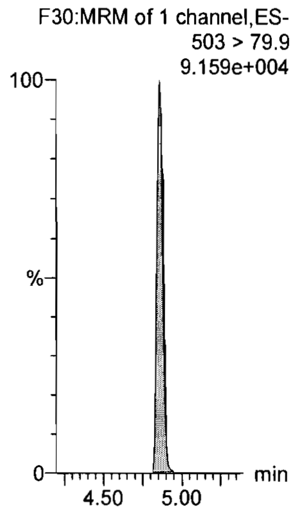
Last Altered: Friday, December 01, 2017 19:18:16 Pacific Standard Time
Printed: Saturday, December 02, 2017 12:03:37 Pacific Standard Time

Name: 171201M1_19, Date: 01-Dec-2017, Time: 18:21:15, ID: ST171201M1-2 PFC CS3 17K2810, Description: PFC CS3 17K2810

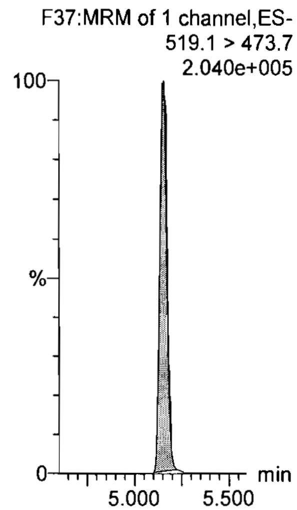
13C9-PFNA



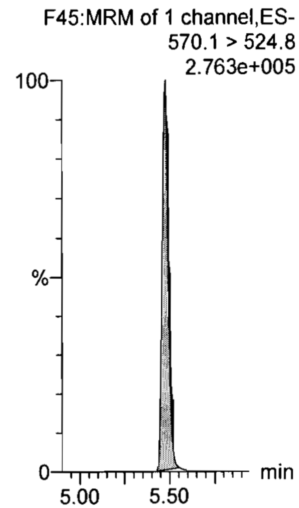
13C4-PFOS



13C6-PFDA



13C7-PFUdA



Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171201M1\171201M1-38.qld

Last Altered: Saturday, December 02, 2017 10:53:18 Pacific Standard Time
Printed: Saturday, December 02, 2017 10:54:25 Pacific Standard Time

AC 12/2/17

JHA 12/04/2017

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_113017.mdb 01 Dec 2017 12:18:40
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-30-17_FULL.cdb 01 Dec 2017 12:17:32

Name: 171201M1_38, Date: 01-Dec-2017, Time: 21:53:39, ID: ST171201M1-3 PFC CS3 17K2810, Description: PFC CS3 17K2810

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1 PFBA	213.0 > 168.8	1.02e4	1.10e4	1.0000		1.66	1.48	11.6	10.037	100.4
2	2 PFPeA	263.1 > 218.9	1.14e4	1.37e4	1.0000		2.63	2.43	10.4	9.832	98.3
3	3 PFBS	299.0 > 79.7	3.25e3	1.64e3	1.0000		2.90	2.70	24.9	10.779	107.8
4	4 PFHxA	313.2 > 268.9	1.59e4	4.90e3	1.0000		3.40	3.20	16.2	10.775	107.8
5	5 PFHpA	363.0 > 318.9	1.19e4	1.07e4	1.0000		4.03	3.82	13.9	9.655	96.5
6	6 L-PFHxS	398.9 > 79.6	2.44e3	1.56e3	1.0000		4.19	3.98	19.6	8.938	89.4
7	8 6:2 FTS	427.1 > 407	2.36e3	2.80e3	1.0000		4.49	4.29	10.6	9.603	96.0
8	9 L-PFOA	413 > 368.7	1.17e4	1.30e4	1.0000		4.26	4.34	11.2	11.074	110.7
9	11 PFHpS	449 > 80.0	3.11e3	1.30e4	1.0000		4.65	4.45	2.98	9.910	99.1
10	12 PFNA	463.0 > 418.8	1.33e4	1.35e4	1.0000		5.00	4.78	12.3	9.614	96.1
11	13 PFOSA	498.1 > 77.8	3.31e3	4.06e3	1.0000		5.02	4.84	10.2	10.254	102.5
12	14 L-PFOS	499 > 79.9	3.20e3	3.76e3	1.0000		5.08	4.87	10.6	10.569	105.7
13	16 PFDA	513 > 468.8	1.26e4	1.66e4	1.0000		5.34	5.15	9.52	7.701	77.0
14	17 8:2 FTS	527 > 506.9	2.77e3	1.66e4	1.0000		5.35	5.13	2.09	8.477	84.8
15	18 N-MeFOSAA	570.1 > 419	7.15e3	5.75e3	1.0000		5.49	5.30	15.6	9.552	95.5
16	19 N-EtFOSAA	584.2 > 419	6.18e3	5.41e3	1.0000		5.64	5.46	14.3	12.534	125.3
17	20 PFUdA	563.0 > 518.9	1.42e4	1.40e4	1.0000		5.66	5.48	12.7	11.841	118.4
18	21 PFDS	598.8 > 80	3.81e3	1.40e4	1.0000		5.73	5.52	3.40	11.301	113.0
19	22 PFDoA	612.9 > 569.0	1.43e4	6.08e3	1.0000		5.94	5.75	29.4	11.257	112.6
20	23 N-MeFOSA	512.1 > 168.9	6.10e3	1.57e4	1.0000		5.85	5.79	58.3	55.857	111.7
21	24 PFTrDA	662.9 > 618.9	1.38e4	6.08e3	1.0000		6.18	6.00	28.4	11.270	112.7
22	25 PFTeDA	712.9 > 668.8	8.05e3	7.54e3	1.0000		6.37	6.21	13.3	8.808	88.1
23	26 N-EtFOSA	526.1 > 168.9	8.12e3	2.47e4	1.0000		6.21	6.18	49.3	50.406	100.8
24	27 PFHxDA	813.1 > 768.6	4.66e3	3.67e3	1.0000		6.66	6.52	6.35	10.596	106.0
25	28 PFODA	913.1 > 868.8	5.87e3	3.67e3	1.0000		6.87	6.74	8.00	10.028	100.3
26	29 N-MeFOSE	616.1 > 58.9	7.83e3	1.79e4	1.0000		6.30	6.32	65.7	61.781	123.6
27	30 N-EtFOSE	630.1 > 58.9	7.82e3	2.07e4	1.0000		6.42	6.46	56.6	48.311	96.6
28	31 13C3-PFBA	216.1 > 171.8	1.10e4	1.29e4	1.0000	0.870	1.66	1.47	10.7	12.265	98.1
29	32 13C3-PFPeA	266. > 221.8	1.37e4	1.68e4	1.0000	0.733	2.63	2.42	10.2	13.880	111.0
30	33 13C3-PFBS	302. > 98.8	1.64e3	1.68e4	1.0000	0.092	2.90	2.70	1.21	13.247	106.0
31	34 13C2-PFHxA	315 > 269.8	4.90e3	1.68e4	1.0000	0.738	3.40	3.20	3.64	4.935	98.7

70-130

50-150

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171201M1\171201M1-38.qld

Last Altered: Saturday, December 02, 2017 10:53:18 Pacific Standard Time
Printed: Saturday, December 02, 2017 10:54:25 Pacific Standard Time

Name: 171201M1_38, Date: 01-Dec-2017, Time: 21:53:39, ID: ST171201M1-3 PFC CS3 17K2810, Description: PFC CS3 17K2810

	#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	35	13C4-PFHpA	367.2 > 321.8	1.07e4	1.68e4	1.0000	0.564	4.03	3.82	7.93	14.054	112.4
33	36	18O2-PFHxS	403.0 > 102.6	1.56e3	3.66e3	1.0000	0.407	4.17	3.97	5.33	13.079	104.6
34	37	13C2-6:2 FTS	429.1 > 408.9	2.80e3	1.32e4	1.0000	0.265	4.49	4.29	2.66	10.042	80.3
35	38	13C2-PFOA	414.9 > 369.7	1.30e4	1.32e4	1.0000	1.026	4.54	4.34	12.4	12.052	96.4
36	39	13C5-PFNA	468.2 > 422.9	1.35e4	1.56e4	1.0000	0.942	4.97	4.78	10.8	11.498	92.0
37	40	13C8-PFOSA	506.1 > 77.7	4.06e3	1.34e4	1.0000	0.360	5.02	4.84	3.79	10.518	84.1
38	41	13C8-PFOS	507.0 > 79.9	3.76e3	4.37e3	1.0000	1.023	5.05	4.86	10.8	10.515	84.1
39	42	13C2-PFDA	515.1 > 469.9	1.66e4	8.64e3	1.0000	1.569	5.34	5.15	24.0	15.317	122.5
40	43	13C2-8:2 FTS	529.1 > 508.7	1.43e3	1.68e4	1.0000	0.082	5.32	5.13	1.06	12.977	103.8
41	44	d3-N-MeFOSAA	573.3 > 419	5.75e3	1.34e4	1.0000	0.428	5.49	5.30	5.35	12.498	100.0
42	45	d5-N-EtFOSAA	589.3 > 419	5.41e3	1.34e4	1.0000	0.434	5.64	5.45	5.04	11.611	92.9
43	46	13C2-PFUdA	565 > 519.8	1.40e4	1.34e4	1.0000	1.126	5.66	5.48	13.1	11.597	92.8
44	47	13C2-PFDoA	615.0 > 569.7	6.08e3	1.34e4	1.0000	0.577	5.94	5.76	5.66	9.820	78.6
45	48	d3-N-MeFOSA	515.2 > 168.9	1.57e4	1.34e4	1.0000	0.121	5.85	5.81	14.6	121.087	80.7
46	49	13C2-PFTeDA	714.8 > 669.6	7.54e3	1.34e4	1.0000	0.654	6.37	6.21	7.02	10.744	86.0
47	50	d5-N-ETFOSA	531.1 > 168.9	2.47e4	1.34e4	1.0000	0.183	6.21	6.19	23.0	125.725	83.8
48	51	13C2-PFHxDA	815 > 769.7	3.67e3	1.34e4	1.0000	0.794	6.66	6.52	3.42	4.302	86.0
49	52	d7-N-MeFOSE	623.1 > 58.9	1.79e4	1.34e4	1.0000	0.163	6.30	6.30	16.7	102.058	68.0
50	53	d9-N-EtFOSE	639.2 > 58.8	2.07e4	1.34e4	1.0000	0.166	6.42	6.45	19.3	116.081	77.4
51	54	13C4-PFBA	217. > 171.8	1.29e4	1.29e4	1.0000	1.000	1.66	1.48	12.5	12.500	100.0
52	55	13C5-PFHxA	318 > 272.9	1.68e4	1.68e4	1.0000	1.000	3.40	3.20	12.5	12.500	100.0
53	56	13C3-PFHxS	401.9 > 79.9	3.66e3	3.66e3	1.0000	1.000	4.17	3.97	12.5	12.500	100.0
54	57	13C8-PFOA	421.3 > 376	1.32e4	1.32e4	1.0000	1.000	4.54	4.34	12.5	12.500	100.0
55	58	13C9-PFNA	472.2 > 426.9	1.56e4	1.56e4	1.0000	1.000	4.97	4.78	12.5	12.500	100.0
56	59	13C4-PFOS	503 > 79.9	4.37e3	4.37e3	1.0000	1.000	5.05	4.86	12.5	12.500	100.0
57	60	13C6-PFDA	519.1 > 473.7	8.64e3	8.64e3	1.0000	1.000	5.34	5.16	12.5	12.500	100.0
58	61	13C7-PFUdA	570.1 > 524.8	1.34e4	1.34e4	1.0000	1.000	5.66	5.47	12.5	12.500	100.0

50-150

Quantify Compound Summary Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Monday, December 04, 2017 08:51:43 Pacific Standard Time
Printed: Monday, December 04, 2017 08:59:13 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_113017.mdb 01 Dec 2017 12:18:40
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-30-17_FULL.cdb 01 Dec 2017 12:17:32

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	171201M1_1	IPA	01-Dec-17	15:00:03
2	171201M1_2	ST171201M1-1 PFC CS0 17K2808	01-Dec-17	15:11:13
3	171201M1_3	IPA	01-Dec-17	15:22:24
4	171201M1_4	B7K0168-BS1 OPR 1	01-Dec-17	15:33:34
5	171201M1_5	IPA	01-Dec-17	15:44:45
6	171201M1_6	B7K0168-BLK1 Method Blank 1	01-Dec-17	15:55:55
7	171201M1_7	B7K0168-MS1 Matrix Spike 1.16	01-Dec-17	16:07:06
8	171201M1_7	B7K0168-MS1 Matrix Spike 1.16	01-Dec-17	16:07:06
9	171201M1_8	1701663-01 TRUAX-07-SO-DUP2-110717 1.27	01-Dec-17	16:18:17
10	171201M1_9	1701663-02 TRUAX-07-SB01-110717-0.5-1.0 ...	01-Dec-17	16:29:28
11	171201M1_10	1701663-03 TRUAX-07-SB01-110717-4.5-5.0 ...	01-Dec-17	16:40:38
12	171201M1_11	1701663-04 TRUAX-08-SB03-110717-0.5-1.0 ...	01-Dec-17	16:51:49
13	171201M1_12	1701663-05 TRUAX-08-SB03-110717-4.5-5.0 ...	01-Dec-17	17:03:00
14	171201M1_13	1701663-07 TRUAX-08-SO-DUP3-110717 1.13	01-Dec-17	17:14:10
15	171201M1_14	1701663-08 TRUAX-08-SB02-110717-5.0-5.5 ...	01-Dec-17	17:25:21
16	171201M1_15	1701663-10 TRUAX-08-SB01-110717-5.0-5.5 ...	01-Dec-17	17:36:32
17	171201M1_16	1701663-11 TRUAX-06-SB03-4.5-5.5 1.27	01-Dec-17	17:47:43
18	171201M1_17	1701663-12 TRUAX-06-SB03-7.0-7.5 1.21	01-Dec-17	17:58:53
19	171201M1_18	IPA	01-Dec-17	18:10:04
20	171201M1_19	ST171201M1-2 PFC CS3 17K2810	01-Dec-17	18:21:15
21	171201M1_20	IPA	01-Dec-17	18:32:25
22	171201M1_21	B7K0162-BLK1 Method Blank 0.25	01-Dec-17	18:43:39
23	171201M1_22	1701663-14 TRUAX-06-SB02-110717-4.5-5.0 ...	01-Dec-17	18:54:48
24	171201M1_23	1701663-16 TRUAX-09-SB03-110717-6.5-7.0 ...	01-Dec-17	19:05:58
25	171201M1_24	1701663-17 TRUAX-07-SB03-110717-0.5-1.0 ...	01-Dec-17	19:17:10
26	171201M1_25	1701663-18 TRUAX-07-SB03-110717-5.0-5.5 ...	01-Dec-17	19:28:20
27	171201M1_26	1701663-20 TRUAX-07-SB02-110717-4.5-5.0 ...	01-Dec-17	19:39:31
28	171201M1_27	IPA	01-Dec-17	19:50:42
29	171201M1_28	B7K0085-MS1 Matrix Spike 0.12635	01-Dec-17	20:01:53
30	171201M1_29	B7K0085-MSD1 Matrix Spike Dup 0.12326	01-Dec-17	20:13:02
31	171201M1_30	IPA	01-Dec-17	20:24:13

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Dataset: Untitled

Last Altered: Monday, December 04, 2017 08:51:43 Pacific Standard Time
Printed: Monday, December 04, 2017 08:59:13 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
32	171201M1_31	1701662-01 TRUAX-BB-TWBB01-110817 0.1...	01-Dec-17	20:35:24
33	171201M1_32	1701662-02 TRUAX-BB-GW-DUP0101-11081...	01-Dec-17	20:46:35
34	171201M1_33	1701662-03 TRUAX-06-TW06-110617 0.11787	01-Dec-17	20:57:46
35	171201M1_34	1701662-04 TRUAX-01-TW01-110817 0.12211	01-Dec-17	21:08:56
36	171201M1_35	IPA	01-Dec-17	21:20:06
37	171201M1_36	1701662-05 TRUAX-03-TW03-110817 0.12109	01-Dec-17	21:31:17
38	171201M1_37	IPA	01-Dec-17	21:42:28
39	171201M1_38	ST171201M1-3 PFC CS3 17K2810	01-Dec-17	21:53:39
40	171201M1_39	IPA	01-Dec-17	22:04:49
41	171201M1_40	1701662-06 TRUAX-07-TW07-110817 0.11822	01-Dec-17	22:16:00
42	171201M1_41	IPA	01-Dec-17	22:27:10
43	171201M1_42	1701662-07 TRUAX-02-TW02-110817 0.12754	01-Dec-17	22:38:22
44	171201M1_43	IPA	01-Dec-17	22:49:33
45	171201M1_44	1701662-08 TRUAX-08-TW08-110817 0.11855	01-Dec-17	23:00:43
46	171201M1_45	IPA	01-Dec-17	23:11:54
47	171201M1_46	1701662-09 TRUAX-BB-TWBB02-110917 0.1...	01-Dec-17	23:23:04
48	171201M1_47	IPA	01-Dec-17	23:34:15
49	171201M1_48	1701662-10 TRUAX-BB-TWBB03-110917 0.1...	01-Dec-17	23:45:26
50	171201M1_49	1701662-11 TRUAX-09-TW09-110917 0.11447	01-Dec-17	23:56:37
51	171201M1_50	1701662-12 TRUAX-04-TW04-110917 0.12418	02-Dec-17	00:07:47
52	171201M1_51	1701662-13 TRUAX-05-TW05-110917 0.11422	02-Dec-17	00:18:58
53	171201M1_52	1701662-14 TRUAX-EB-110617 0.11648	02-Dec-17	00:30:09
54	171201M1_53	1701662-04@20X TRUAX-01-TW01-110817 ...	02-Dec-17	00:41:19
55	171201M1_54	IPA	02-Dec-17	00:52:30
56	171201M1_55	ST171201M1-4 PFC CS0 17K2808	02-Dec-17	01:03:41
57	171201M1_56	IPA	02-Dec-17	01:14:52
58	171201M1_57	1701662-05@10X TRUAX-03-TW03-110817 ...	02-Dec-17	01:26:02
59	171201M1_58	1701662-06@5X TRUAX-07-TW07-110817 0....	02-Dec-17	01:37:13
60	171201M1_59	1701662-07@20X TRUAX-02-TW02-110817 ...	02-Dec-17	01:48:23
61	171201M1_60	1701662-08@5X TRUAX-08-TW08-110817 0....	02-Dec-17	01:59:35
62	171201M1_61	1701662-09@5X TRUAX-BB-TWBB02-11091...	02-Dec-17	02:10:45
63	171201M1_62	1701625-01@5X PT 537 Mod DW Part#3829...	02-Dec-17	02:21:56
64	171201M1_63	IPA	02-Dec-17	02:33:06
65	171201M1_64	1701676-10 RICHM-GW-TW04-110817 0.11319	02-Dec-17	02:44:17

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Dataset: Untitled

Last Altered: Monday, December 04, 2017 08:51:43 Pacific Standard Time
Printed: Monday, December 04, 2017 08:59:13 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
66	171201M1_65	1701674-10 RICHM-GW-DUP01-110717 0.11...	02-Dec-17	02:55:28
67	171201M1_66	IPA	02-Dec-17	03:06:39
68	171201M1_67	B7K0146-BS1 OPR 0.125	02-Dec-17	03:17:49
69	171201M1_68	B7K0166-BS1 OPR 1	02-Dec-17	03:29:00
70	171201M1_69	IPA	02-Dec-17	03:40:11
71	171201M1_70	B7K0146-BLK1 Method Blank 0.125	02-Dec-17	03:51:21
72	171201M1_71	B7K0166-BLK1 Method Blank 1	02-Dec-17	04:02:32
73	171201M1_72	B7K0166-MS1 Matrix Spike 1.41	02-Dec-17	04:13:43
74	171201M1_73	B7K0166-MSD1 Matrix Spike Dup 1.41	02-Dec-17	04:24:53
75	171201M1_74	1701675-01RE1 RICHM-01-SB01-0-2 1.27	02-Dec-17	04:36:04
76	171201M1_75	1701675-02RE1 RICHM-01-SB01-8-10 1.35	02-Dec-17	04:47:15
77	171201M1_76	IPA	02-Dec-17	04:58:26
78	171201M1_77	ST171201M1-5 PFC CS3 17K2810	02-Dec-17	05:09:36
79	171201M1_78	IPA	02-Dec-17	05:20:47
80	171201M1_79	1701675-03RE1 RICHM-01-SB02-0-2 1.24	02-Dec-17	05:31:58
81	171201M1_80	1701675-04RE1 RICHM-01-SB02-8-10 1.29	02-Dec-17	05:43:08
82	171201M1_81	1701675-05RE1 RICHM-01-SB03-0-2 1.19	02-Dec-17	05:54:19
83	171201M1_82	1701675-06RE1 RICHM-01-SB03-8-10 1.27	02-Dec-17	06:05:30
84	171201M1_83	1701675-07RE1 RICHM-04-SB01-0-2 1.25	02-Dec-17	06:16:41
85	171201M1_84	1701675-08RE1 RICHM-04-SB01-8-10 1.23	02-Dec-17	06:27:51
86	171201M1_85	1701675-09RE1 RICHM-04-SB02-0-2 1.21	02-Dec-17	06:39:02
87	171201M1_86	1701675-10RE1 RICHM-04-SB02-8-10 1.29	02-Dec-17	06:50:13
88	171201M1_87	1701675-12RE1 RICHM-SO-DUP01-110717 1...	02-Dec-17	07:01:23
89	171201M1_88	1701677-01RE1 RICHM-01-SD01-0-0.5 1.41	02-Dec-17	07:12:34
90	171201M1_89	IPA	02-Dec-17	07:23:45
91	171201M1_90	ST171201M1-6 PFC CS3 17K2810	02-Dec-17	07:34:56
92	171201M1_91	IPA	02-Dec-17	07:46:06
93	171201M1_92	1701677-02RE1 RICHM-02-SD01-0-0.5 1.36	02-Dec-17	07:57:17
94	171201M1_93	1701677-04RE1 RICHM-03-SB01-0-2 1.27	02-Dec-17	08:08:28
95	171201M1_94	1701677-05RE1 RICHM-03-SB01-8-10 1.27	02-Dec-17	08:19:38
96	171201M1_95	1701677-06RE1 RICHM-05-SB01-0-2 1.21	02-Dec-17	08:30:49
97	171201M1_96	1701677-07RE1 RICHM-05-SB01-8-10 1.31	02-Dec-17	08:42:00
98	171201M1_97	1701677-08RE1 RICHM-05-SB04-8-10 1.31	02-Dec-17	08:53:11
99	171201M1_98	1701677-11RE1 RICHM-SD-DUP01-110817 1.4	02-Dec-17	09:04:21

Dataset: Untitled

Last Altered: Monday, December 04, 2017 08:51:43 Pacific Standard Time
Printed: Monday, December 04, 2017 08:59:13 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
100	171201M1_99	1701730-01 MW-106S(R) 0.10998	02-Dec-17	09:15:32
101	171201M1_100	1701730-02 MW-106R 0.08994	02-Dec-17	09:26:43
102	171201M1_101	1701730-03 MW-111R 0.10865	02-Dec-17	09:37:53
103	171201M1_102	IPA	02-Dec-17	09:49:04
104	171201M1_103	ST171201M1-7 PFC CS3 17K2810	02-Dec-17	10:00:15
105	171201M1_104	IPA	02-Dec-17	10:11:25
106	171201M1_105	1701730-04 MW-111S 0.09727	02-Dec-17	10:22:36
107	171201M1_106	1701730-05 M-9R 0.1087	02-Dec-17	10:33:47
108	171201M1_107	1701730-06 MW-10(R) 0.10514	02-Dec-17	10:44:57
109	171201M1_108	1701730-07 M-1S 0.09279	02-Dec-17	10:56:08
110	171201M1_109	1701730-08 M-1R 0.10992	02-Dec-17	11:07:19
111	171201M1_110	1701730-09 M-11S 0.09824	02-Dec-17	11:18:30
112	171201M1_111	1701730-10 M-11M 0.10351	02-Dec-17	11:29:40
113	171201M1_112	1701730-11 M-11R 0.0856	02-Dec-17	11:40:51
114	171201M1_113	1701730-12 FB-PFAS-1 0.10728	02-Dec-17	11:52:02
115	171201M1_114	1701730-13 TB-PFAS-1 0.10709	02-Dec-17	12:03:13
116	171201M1_115	IPA	02-Dec-17	12:14:23
117	171201M1_116	ST171201M1-8 PFC CS3 17K2810	02-Dec-17	12:25:34
118	171201M1_117	IPA	02-Dec-17	12:36:45

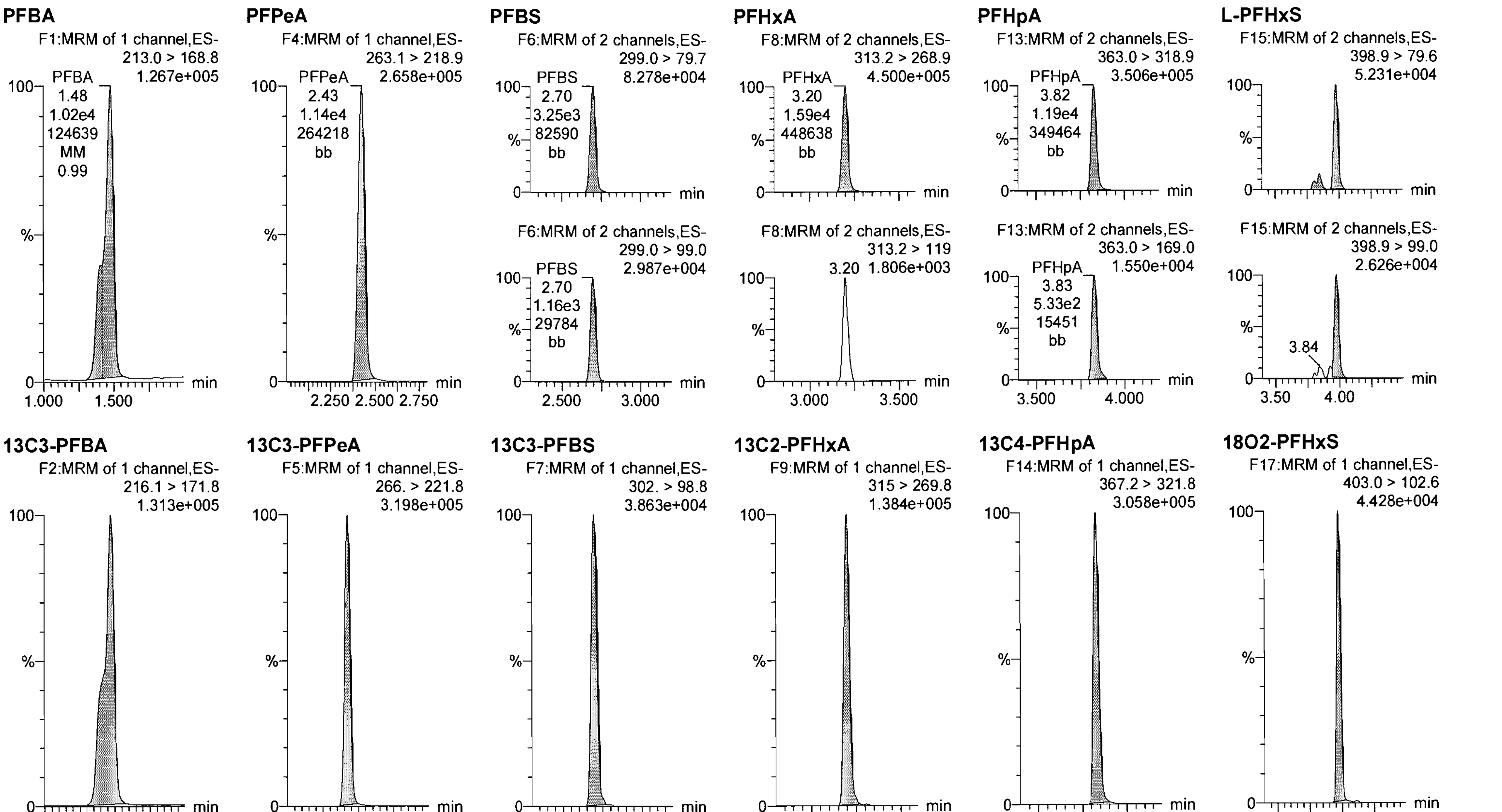
Quantify Sample Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171201M1\171201M1-38.qld

Last Altered: Saturday, December 02, 2017 10:53:18 Pacific Standard Time
Printed: Saturday, December 02, 2017 10:54:25 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_113017.mdb 01 Dec 2017 12:18:40
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-30-17_FULL.cdb 01 Dec 2017 12:17:32

Name: 171201M1_38, Date: 01-Dec-2017, Time: 21:53:39, ID: ST171201M1-3 PFC CS3 17K2810, Description: PFC CS3 17K2810



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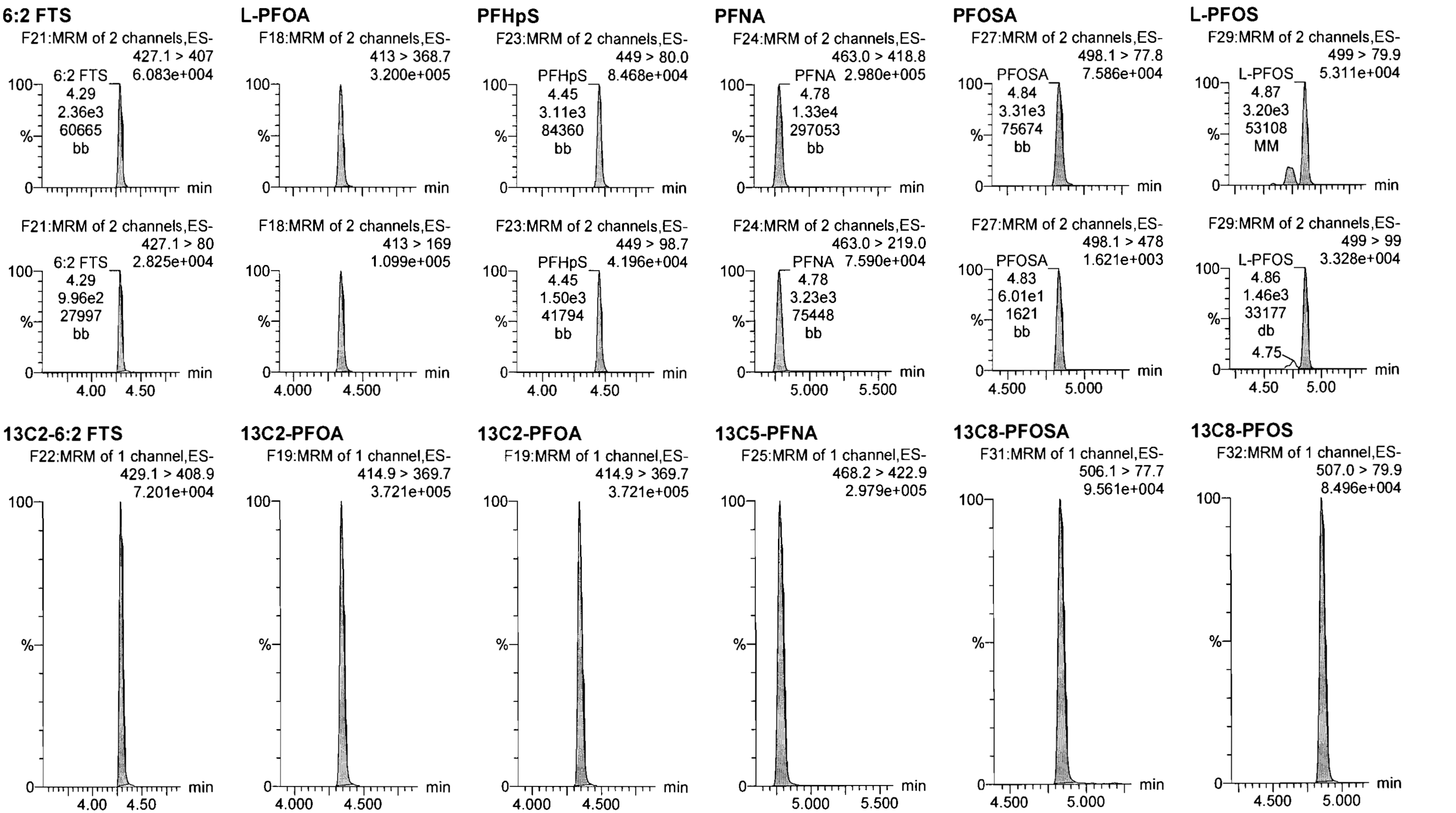
Dataset: U:\Q4.PRO\results\171201M1\171201M1-38.qld

Last Altered: Saturday, December 02, 2017 10:53:18 Pacific Standard Time
Printed: Saturday, December 02, 2017 10:54:25 Pacific Standard Time

Name: 171201M1_38, Date: 01-Dec-2017, Time: 21:53:39, ID: ST171201M1-3 PFC CS3 17K2810, Description: PFC CS3 17K2810



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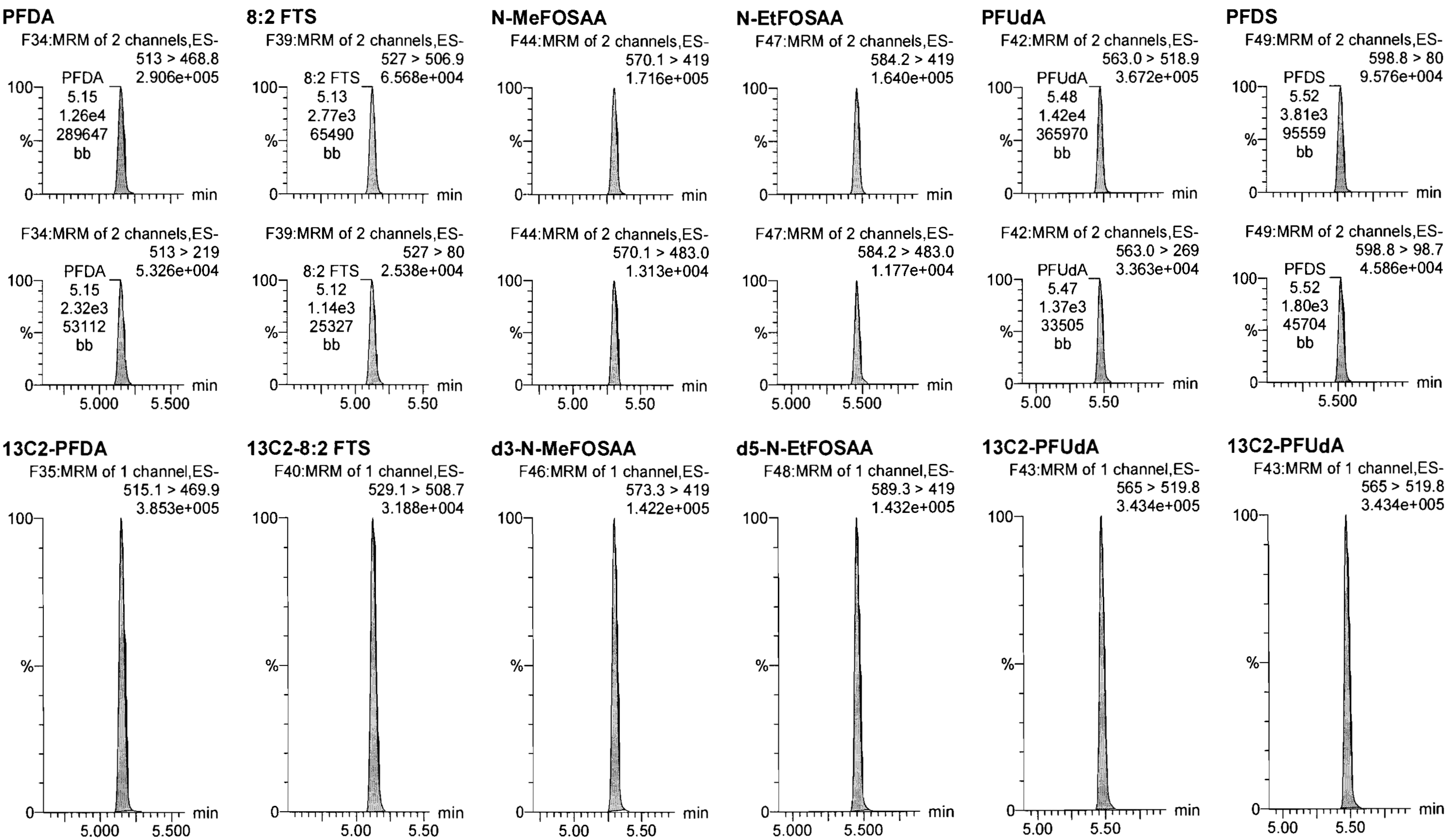
Dataset: U:\Q4.PRO\results\171201M1\171201M1-38.qld

Last Altered: Saturday, December 02, 2017 10:53:18 Pacific Standard Time
Printed: Saturday, December 02, 2017 10:54:25 Pacific Standard Time

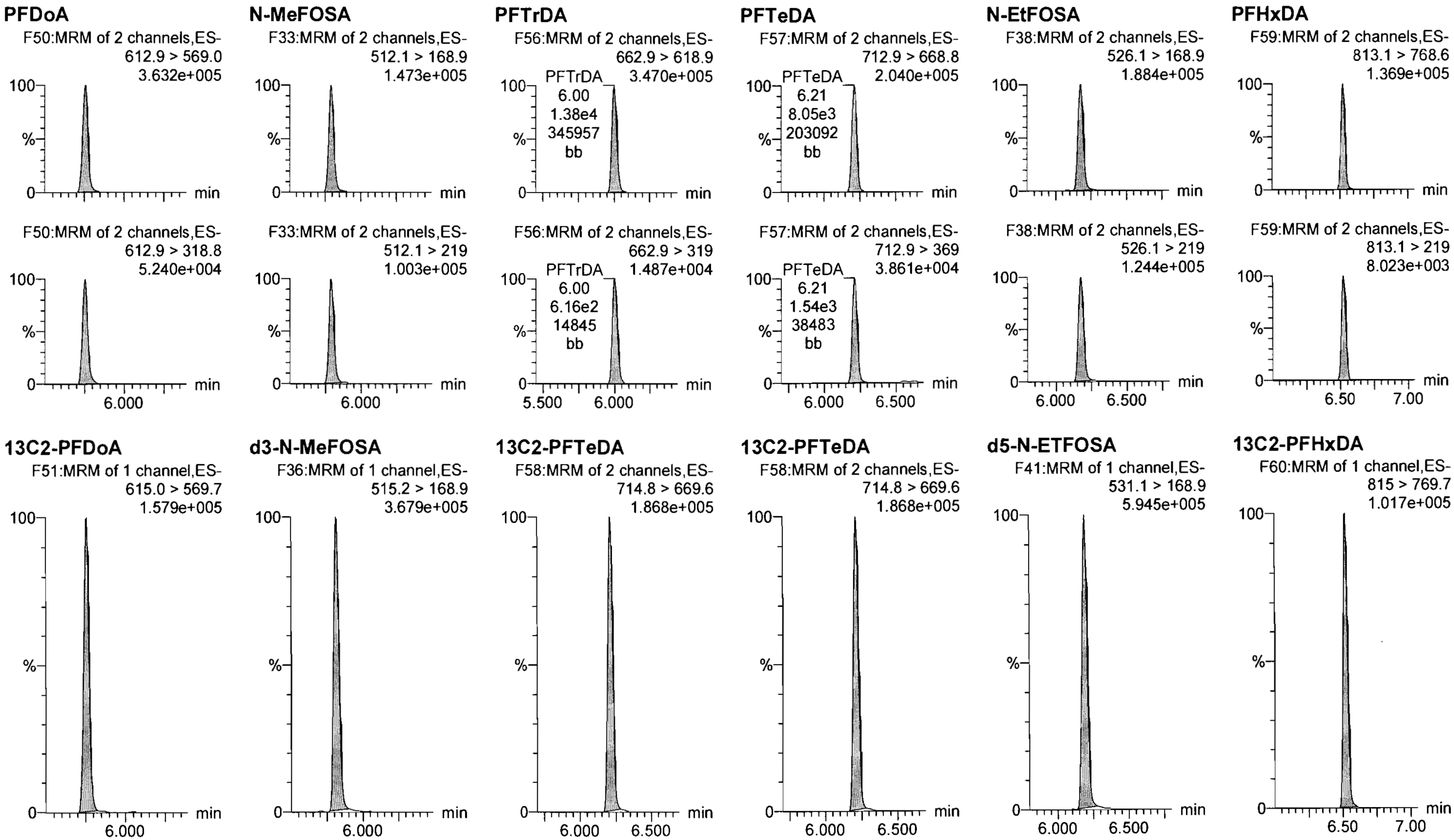
Name: 171201M1_38, Date: 01-Dec-2017, Time: 21:53:39, ID: ST171201M1-3 PFC CS3 17K2810, Description: PFC CS3 17K2810



Dataset: U:\Q4.PRO\results\171201M1\171201M1-38.qld

Last Altered: Saturday, December 02, 2017 10:53:18 Pacific Standard Time
Printed: Saturday, December 02, 2017 10:54:25 Pacific Standard Time

Name: 171201M1_38, Date: 01-Dec-2017, Time: 21:53:39, ID: ST171201M1-3 PFC CS3 17K2810, Description: PFC CS3 17K2810



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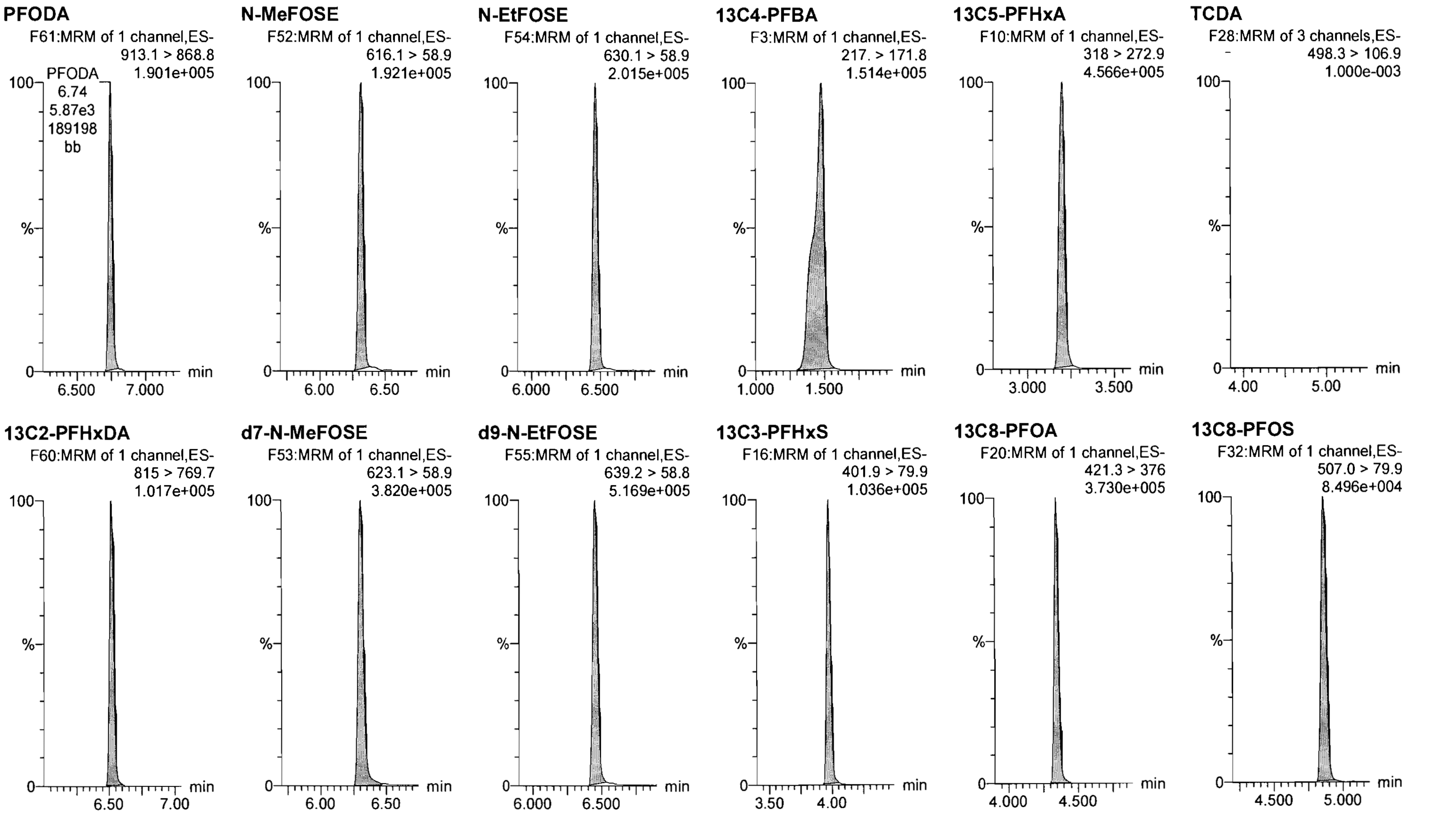
Last Altered: Saturday, December 02, 2017 10:53:18 Pacific Standard Time
Printed: Saturday, December 02, 2017 10:54:25 Pacific Standard Time

Name: 171201M1_38, Date: 01-Dec-2017, Time: 21:53:39, ID: ST171201M1-3 PFC CS3 17K2810, Description: PFC CS3 17K2810



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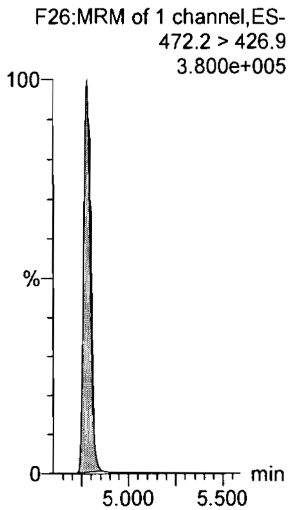
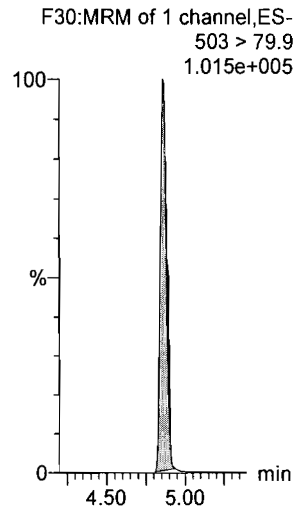
Last Altered: Saturday, December 02, 2017 10:53:18 Pacific Standard Time
Printed: Saturday, December 02, 2017 10:54:25 Pacific Standard Time

Name: 171201M1_38, Date: 01-Dec-2017, Time: 21:53:39, ID: ST171201M1-3 PFC CS3 17K2810, Description: PFC CS3 17K2810

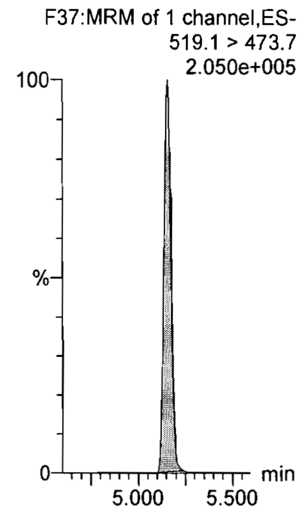
13C9-PFNA



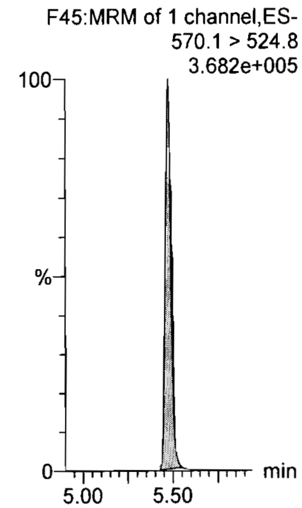
13C4-PFOS



13C6-PFDA



13C7-PFUdA



INITIAL CALIBRATION (ICAL)

INCLUDING ASSOCIATED

INITIAL CALIBRATION VERIFICATION (ICV) AND INSTRUMENT BLANK (IB)

PFOSA > 130% in ICV.
not used.

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:51:17 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_112917.mdb 29 Nov 2017 15:16:56
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-29-17_FULL.cdb 29 Nov 2017 15:34:31

AC
11/29/17

✓ JA 11/30/2017

Compound name: PFBA
Correlation coefficient: r = 0.999508, r^2 = 0.999015
Calibration curve: 1.15898 * x + 0.0414509
Response type: Internal Std (Ref 31), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	0.250	1.67	281.654	10026.652	0.351	0.3	6.9	NO	0.999	NO	bb
2	2 171129M1_4	Standard	0.500	1.68	472.314	10082.000	0.586	0.5	-6.1	NO	0.999	NO	bb
3	3 171129M1_5	Standard	1.000	1.68	1055.562	10814.669	1.220	1.0	1.7	NO	0.999	NO	bb
4	4 171129M1_6	Standard	2.000	1.67	2060.598	10414.885	2.473	2.1	4.9	NO	0.999	NO	bb
5	5 171129M1_7	Standard	5.000	1.67	5111.427	10804.567	5.914	5.1	1.3	NO	0.999	NO	bb
6	6 171129M1_8	Standard	10.000	1.67	9678.172	10128.008	11.945	10.3	2.7	NO	0.999	NO	bb
7	7 171129M1_9	Standard	50.000	1.67	50180.422	10817.129	57.987	50.0	-0.0	NO	0.999	NO	bb
8	8 171129M1_10	Standard	100.000	1.67	92196.719	9456.897	121.864	105.1	5.1	NO	0.999	NO	bb
9	9 171129M1_11	Standard	250.000	1.66	275259.406	12142.869	283.355	244.5	-2.2	NO	0.999	NO	bb

Compound name: PFPeA
Correlation coefficient: r = 0.999816, r^2 = 0.999632
Calibration curve: 1.00148 * x + 0.0457571
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	0.250	2.64	287.459	12219.246	0.294	0.2	-0.8	NO	1.000	NO	bb
2	2 171129M1_4	Standard	0.500	2.65	534.630	13247.064	0.504	0.5	-8.4	NO	1.000	NO	bb
3	3 171129M1_5	Standard	1.000	2.65	1165.918	13182.259	1.106	1.1	5.8	NO	1.000	NO	bb
4	4 171129M1_6	Standard	2.000	2.64	2135.429	13401.588	1.992	1.9	-2.8	NO	1.000	NO	bb
5	5 171129M1_7	Standard	5.000	2.64	5550.165	13660.671	5.079	5.0	0.5	NO	1.000	NO	bb
6	6 171129M1_8	Standard	10.000	2.64	11306.868	13126.456	10.767	10.7	7.1	NO	1.000	NO	bb
7	7 171129M1_9	Standard	50.000	2.64	54573.316	13507.333	50.503	50.4	0.8	NO	1.000	NO	bb
8	8 171129M1_10	Standard	100.000	2.64	93485.211	11996.423	97.409	97.2	-2.8	NO	1.000	NO	bb
9	9 171129M1_11	Standard	250.000	2.63	292202.219	14486.832	252.127	251.7	0.7	NO	1.000	NO	bb

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:51:17 Pacific Standard Time

Compound name: PFBS
Correlation coefficient: r = 0.998597, r^2 = 0.997196
Calibration curve: 2.14976 * x + 0.0539982
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	0.250	2.91	57.791	1583.830	0.456	0.2	-25.2	NO	0.997	NO	MM
2	2 171129M1_4	Standard	0.500	2.92	125.763	1623.653	0.968	0.4	-14.9	NO	0.997	NO	bb
3	3 171129M1_5	Standard	1.000	2.91	321.136	1757.680	2.284	1.0	3.7	NO	0.997	NO	bb
4	4 171129M1_6	Standard	2.000	2.91	592.664	1558.504	4.753	2.2	9.3	NO	0.997	NO	bb
5	5 171129M1_7	Standard	5.000	2.91	1536.368	1568.397	12.245	5.7	13.4	NO	0.997	NO	bb
6	6 171129M1_8	Standard	10.000	2.91	3274.428	1625.559	25.179	11.7	16.9	NO	0.997	NO	bb
7	7 171129M1_9	Standard	50.000	2.91	13695.412	1717.252	99.690	46.3	-7.3	NO	0.997	NO	bb
8	8 171129M1_10	Standard	100.000	2.91	28504.828	1562.392	228.054	106.1	6.1	NO	0.997	NO	bb
9	9 171129M1_11	Standard	250.000	2.91	73120.805	1734.142	527.068	245.2	-1.9	NO	0.997	NO	bb

Compound name: PFHxA
Correlation coefficient: r = 0.996064, r^2 = 0.992143
Calibration curve: 1.39273 * x + 0.142145
Response type: Internal Std (Ref 34), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	0.250	3.42	399.597	5128.370	0.390	0.2	-28.9	NO	0.992	NO	bb
2	2 171129M1_4	Standard	0.500	3.42	765.949	5201.672	0.736	0.4	-14.7	NO	0.992	NO	bb
3	3 171129M1_5	Standard	1.000	3.42	1591.059	5113.501	1.556	1.0	1.5	NO	0.992	NO	bb
4	4 171129M1_6	Standard	2.000	3.42	3438.528	5488.638	3.132	2.1	7.4	NO	0.992	NO	bb
5	5 171129M1_7	Standard	5.000	3.42	8071.466	5198.492	7.763	5.5	9.4	NO	0.992	NO	bb
6	6 171129M1_8	Standard	10.000	3.41	15698.645	5197.898	15.101	10.7	7.4	NO	0.992	NO	bb
7	7 171129M1_9	Standard	50.000	3.41	76164.359	4553.808	83.627	59.9	19.9	NO	0.992	NO	bb
8	8 171129M1_10	Standard	100.000	3.41	135532.344	4666.482	145.219	104.2	4.2	NO	0.992	NO	bb
9	9 171129M1_11	Standard	250.000	3.41	378913.625	5794.465	326.962	234.7	-6.1	NO	0.992	NO	bb

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:51:17 Pacific Standard Time

Compound name: PFHpA
Correlation coefficient: r = 0.999180, r^2 = 0.998360
Calibration curve: 1.29837 * x + 0.120189
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	0.250	4.05	336.717	10356.988	0.406	0.2	-11.8	NO	0.998	NO	bb
2	2 171129M1_4	Standard	0.500	4.06	551.264	9846.040	0.700	0.4	-10.7	NO	0.998	NO	bb
3	3 171129M1_5	Standard	1.000	4.05	1077.194	9355.966	1.439	1.0	1.6	NO	0.998	NO	bb
4	4 171129M1_6	Standard	2.000	4.05	2416.382	10072.544	2.999	2.2	10.9	NO	0.998	NO	bb
5	5 171129M1_7	Standard	5.000	4.05	5956.575	10719.406	6.946	5.3	5.1	NO	0.998	NO	bb
6	6 171129M1_8	Standard	10.000	4.05	11097.846	10341.869	13.414	10.2	2.4	NO	0.998	NO	bb
7	7 171129M1_9	Standard	50.000	4.05	54288.969	9685.889	70.062	53.9	7.7	NO	0.998	NO	bb
8	8 171129M1_10	Standard	100.000	4.04	94843.883	9664.237	122.674	94.4	-5.6	NO	0.998	NO	bb
9	9 171129M1_11	Standard	250.000	4.04	285604.750	10946.577	326.135	251.1	0.4	NO	0.998	NO	bb

Compound name: L-PFHxS
Correlation coefficient: r = 0.999347, r^2 = 0.998695
Calibration curve: 2.08616 * x + -0.165735
Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	0.250	4.19	39.790	1489.898	0.334	0.2	-4.2	NO	0.999	NO	MM
2	2 171129M1_4	Standard	0.500	4.20	89.170	1252.261	0.890	0.5	1.2	NO	0.999	NO	MM
3	3 171129M1_5	Standard	1.000	4.19	235.307	1441.704	2.040	1.1	5.7	NO	0.999	NO	MM
4	4 171129M1_6	Standard	2.000	4.19	478.677	1418.324	4.219	2.1	5.1	NO	0.999	NO	MM
5	5 171129M1_7	Standard	5.000	4.19	1178.427	1560.307	9.441	4.6	-7.9	NO	0.999	NO	MM
6	6 171129M1_8	Standard	10.000	4.19	2452.689	1407.678	21.780	10.5	5.2	NO	0.999	NO	MM
7	7 171129M1_9	Standard	50.000	4.19	10605.390	1302.242	101.799	48.9	-2.2	NO	0.999	NO	MM
8	8 171129M1_10	Standard	100.000	4.18	21685.113	1374.091	197.268	94.6	-5.4	NO	0.999	NO	MM
9	9 171129M1_11	Standard	250.000	4.18	58595.598	1370.807	534.317	256.2	2.5	NO	0.999	NO	MM

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:51:17 Pacific Standard Time

Compound name: 6:2 FTS
Coefficient of Determination: R^2 = 0.996062
Calibration curve: -0.0062313 * x^2 + 1.26558 * x + -0.013514
Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	0.250	4.51	65.616	3119.554	0.263	0.2	-12.5	NO	0.996	NO	bb
2	2 171129M1_4	Standard	0.500	4.51	190.329	3896.083	0.611	0.5	-1.1	NO	0.996	NO	bb
3	3 171129M1_5	Standard	1.000	4.51	306.234	3282.881	1.166	0.9	-6.4	NO	0.996	NO	bb
4	4 171129M1_6	Standard	2.000	4.51	787.036	3138.869	3.134	2.5	25.9	NO	0.996	NO	bb
5	5 171129M1_7	Standard	5.000	4.51	1838.862	3596.850	6.391	5.2	3.9	NO	0.996	NO	bb
6	6 171129M1_8	Standard	10.000	4.51	2803.797	3266.811	10.728	8.9	-11.2	NO	0.996	NO	bb
7	7 171129M1_9	Standard	50.000	4.51	12289.971	3163.336	48.564	51.4	2.8	NO	0.996	NO	bb
8	8 171129M1_10	Standard	100.000	4.51	22110.686	4325.303	63.899	94.1	-5.9	NO	0.996	NO	bb
9	9 171129M1_11	Standard	250.000	4.51	75406.750	6933.506	135.946			NO	0.996	NO	bbXI

Compound name: L-PFOA
Correlation coefficient: r = 0.997917, r^2 = 0.995838
Calibration curve: 0.987188 * x + 0.279034
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	0.250	4.57	412.954	10922.038	0.473	0.2	-21.6	NO	0.996	NO	bb
2	2 171129M1_4	Standard	0.500	4.57	686.451	10679.942	0.803	0.5	6.2	NO	0.996	NO	bb
3	3 171129M1_5	Standard	1.000	4.56	1297.856	12767.788	1.271	1.0	0.4	NO	0.996	NO	MM
4	4 171129M1_6	Standard	2.000	4.56	2275.760	13522.411	2.104	1.8	-7.6	NO	0.996	NO	bb
5	5 171129M1_7	Standard	5.000	4.56	5007.060	11879.589	5.269	5.1	1.1	NO	0.996	NO	bb
6	6 171129M1_8	Standard	10.000	4.56	8918.919	10121.173	11.015	10.9	8.8	NO	0.996	NO	bb
7	7 171129M1_9	Standard	50.000	4.56	48525.160	10892.323	55.687	56.1	12.3	NO	0.996	NO	bb
8	8 171129M1_10	Standard	100.000	4.56	83831.906	10063.714	104.126	105.2	5.2	NO	0.996	NO	bb
9	9 171129M1_11	Standard	250.000	4.55	249622.969	13269.429	235.149	237.9	-4.8	NO	0.996	NO	bb

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:51:17 Pacific Standard Time

Compound name: PFHpS
Coefficient of Determination: R^2 = 0.993567
Calibration curve: 6.47067e-005 * x^2 + 0.305514 * x + 0.00123248
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	0.250	4.67	65.327	10922.038	0.075	0.2	-3.7	NO	0.994	NO	bb
2	2 171129M1_4	Standard	0.500	4.67	158.667	10679.942	0.186	0.6	20.7	NO	0.994	NO	bb
3	3 171129M1_5	Standard	1.000	4.67	335.703	12767.788	0.329	1.1	7.1	NO	0.994	NO	bb
4	4 171129M1_6	Standard	2.000	4.67	474.572	13522.411	0.439	1.4	-28.4	NO	0.994	NO	bb
5	5 171129M1_7	Standard	5.000	4.66	1220.565	11879.589	1.284	4.2	-16.1	NO	0.994	NO	bb
6	6 171129M1_8	Standard	10.000	4.66	3114.747	10121.173	3.847	12.6	25.5	NO	0.994	NO	bb
7	7 171129M1_9	Standard	50.000	4.66	12840.066	10892.323	14.735	47.7	-4.5	NO	0.994	NO	bb
8	8 171129M1_10	Standard	100.000	4.66	25351.301	10063.714	31.489	100.9	0.9	NO	0.994	NO	bb
9	9 171129M1_11	Standard	250.000	4.66	69425.914	13269.429	65.400	205.1	-17.9	NO	0.994	NO	bbX

Compound name: PFNA
Coefficient of Determination: R^2 = 0.999299
Calibration curve: -0.000106525 * x^2 + 1.17752 * x + 0.0425177
Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	0.250	5.00	392.939	13816.894	0.355	0.3	6.3	NO	0.999	NO	bb
2	2 171129M1_4	Standard	0.500	5.00	660.536	14051.252	0.588	0.5	-7.4	NO	0.999	NO	bb
3	3 171129M1_5	Standard	1.000	5.00	1601.240	13575.820	1.474	1.2	21.6	NO	0.999	NO	bb
4	4 171129M1_6	Standard	2.000	4.99	2559.041	15569.140	2.055	1.7	-14.6	NO	0.999	NO	bb
5	5 171129M1_7	Standard	5.000	4.99	7584.716	16054.984	5.905	5.0	-0.4	NO	0.999	NO	bb
6	6 171129M1_8	Standard	10.000	4.99	11900.055	13787.211	10.789	9.1	-8.7	NO	0.999	NO	bb
7	7 171129M1_9	Standard	50.000	4.99	57419.273	11730.421	61.186	52.2	4.3	NO	0.999	NO	bb
8	8 171129M1_10	Standard	100.000	4.99	125991.789	13670.831	115.201	98.7	-1.3	NO	0.999	NO	bb
9	9 171129M1_11	Standard	250.000	4.98	360091.813	15633.755	287.912	250.1	0.1	NO	0.999	NO	bb

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:51:17 Pacific Standard Time

Compound name: PFOSA
Coefficient of Determination: R^2 = 0.999382
Calibration curve: 0.000539741 * x^2 + 0.910636 * x + -0.046689
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	0.250	5.05	148.603	5528.323	0.336	0.4	68.1	NO	0.999	NO	bbX
2	2 171129M1_4	Standard	0.500	5.05	144.355	4957.357	0.364	0.5	-9.8	NO	0.999	NO	bb
3	3 171129M1_5	Standard	1.000	5.05	350.686	4857.722	0.902	1.0	4.2	NO	0.999	NO	bb
4	4 171129M1_6	Standard	2.000	5.05	691.095	5484.315	1.575	1.8	-11.0	NO	0.999	NO	bb
5	5 171129M1_7	Standard	5.000	5.04	2031.591	4939.325	5.141	5.7	13.6	NO	0.999	NO	bb
6	6 171129M1_8	Standard	10.000	5.04	3893.573	5197.143	9.365	10.3	2.7	NO	0.999	NO	bb
7	7 171129M1_9	Standard	50.000	5.04	18751.875	4847.837	48.351	51.6	3.1	NO	0.999	NO	bb
8	8 171129M1_10	Standard	100.000	5.04	31823.336	4262.647	93.320	97.0	-3.0	NO	0.999	NO	bb
9	9 171129M1_11	Standard	250.000	5.04	97148.422	4630.357	262.260	250.8	0.3	NO	0.999	NO	bb

Compound name: L-PFOS
Coefficient of Determination: R^2 = 0.997694
Calibration curve: 0.00101278 * x^2 + 0.964953 * x + 0.0558734
Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	0.250	5.08	93.453	4196.374	0.278	0.2	-7.8	NO	0.998	NO	MM
2	2 171129M1_4	Standard	0.500	5.07	130.627	3591.293	0.455	0.4	-17.4	NO	0.998	NO	MM
3	3 171129M1_5	Standard	1.000	5.07	389.231	3935.342	1.236	1.2	22.2	NO	0.998	NO	MM
4	4 171129M1_6	Standard	2.000	5.07	661.286	3642.691	2.269	2.3	14.4	NO	0.998	NO	MM
5	5 171129M1_7	Standard	5.000	5.07	1713.231	3943.537	5.431	5.5	10.8	NO	0.998	NO	MM
6	6 171129M1_8	Standard	10.000	5.07	3094.580	4035.484	9.586	9.8	-2.2	NO	0.998	NO	MM
7	7 171129M1_9	Standard	50.000	5.07	16139.253	3619.070	55.744	54.6	9.2	NO	0.998	NO	MM
8	8 171129M1_10	Standard	100.000	5.07	27232.924	3439.039	98.984	93.4	-6.6	NO	0.998	NO	MM
9	9 171129M1_11	Standard	250.000	5.07	90841.914	3702.584	306.684	251.4	0.6	NO	0.998	NO	MM

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Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:51:17 Pacific Standard Time

Compound name: PFDA
Coefficient of Determination: R^2 = 0.998653
Calibration curve: -0.000387953 * x^2 + 1.10998 * x + -0.131029
Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	0.250	5.37	262.385	16344.257	0.201	0.3	19.5	NO	0.999	NO	MM
2	2 171129M1_4	Standard	0.500	5.37	362.192	11282.306	0.401	0.5	-4.1	NO	0.999	NO	bb
3	3 171129M1_5	Standard	1.000	5.37	1163.450	14143.657	1.028	1.0	4.5	NO	0.999	NO	bb
4	4 171129M1_6	Standard	2.000	5.36	1980.400	13565.730	1.825	1.8	-11.8	NO	0.999	NO	bb
5	5 171129M1_7	Standard	5.000	5.36	5441.447	13504.575	5.037	4.7	-6.7	NO	0.999	NO	bb
6	6 171129M1_8	Standard	10.000	5.36	11278.576	13720.346	10.275	9.4	-5.9	NO	0.999	NO	bb
7	7 171129M1_9	Standard	50.000	5.36	62841.551	13416.062	58.551	53.9	7.8	NO	0.999	NO	bb
8	8 171129M1_10	Standard	100.000	5.35	101500.313	12269.790	103.405	96.5	-3.5	NO	0.999	NO	bb
9	9 171129M1_11	Standard	250.000	5.35	322084.531	15865.977	253.754	250.7	0.3	NO	0.999	NO	bb

Compound name: 8:2 FTS
Coefficient of Determination: R^2 = 0.993779
Calibration curve: -0.00320506 * x^2 + 2.20751 * x + 0.194523
Response type: Internal Std (Ref 43), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	0.250	5.35	55.385	2190.843	0.316	0.1	-78.0	NO	0.994	NO	MMX
2	2 171129M1_4	Standard	0.500	5.34	235.092	956.183	3.073	1.3	161.3	NO	0.994	NO	bbX
3	3 171129M1_5	Standard	1.000	5.34	374.638	1612.742	2.904	1.2	22.9	NO	0.994	NO	bb
4	4 171129M1_6	Standard	2.000	5.34	620.860	1661.006	4.672	2.0	1.7	NO	0.994	NO	bb
5	5 171129M1_7	Standard	5.000	5.34	1165.812	1520.813	9.582	4.3	-14.4	NO	0.994	NO	bb
6	6 171129M1_8	Standard	10.000	5.33	2959.676	2012.858	18.380	8.3	-16.6	NO	0.994	NO	bb
7	7 171129M1_9	Standard	50.000	5.33	12735.380	1436.536	110.817	54.4	8.8	NO	0.994	NO	bb
8	8 171129M1_10	Standard	100.000	5.33	25229.238	1702.893	185.194	97.6	-2.4	NO	0.994	NO	bb
9	9 171129M1_11	Standard	250.000	5.33	54065.180	3230.495	209.199	113.3	-54.7	NO	0.994	NO	bbX

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:51:17 Pacific Standard Time

Compound name: N-MeFOSAA
Correlation coefficient: r = 0.998619, r^2 = 0.997239
Calibration curve: 1.62122 * x + -0.0601814
Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	0.250	5.51	133.035	4897.724	0.340	0.2	-1.4	NO	0.997	NO	bb
2	2 171129M1_4	Standard	0.500	5.51	295.596	5034.683	0.734	0.5	-2.0	NO	0.997	NO	bb
3	3 171129M1_5	Standard	1.000	5.51	619.107	4801.392	1.612	1.0	3.1	NO	0.997	NO	bb
4	4 171129M1_6	Standard	2.000	5.51	1146.917	5294.088	2.708	1.7	-14.6	NO	0.997	NO	bb
5	5 171129M1_7	Standard	5.000	5.51	3543.032	5538.351	7.997	5.0	-0.6	NO	0.997	NO	bb
6	6 171129M1_8	Standard	10.000	5.51	8527.886	5385.661	19.793	12.2	22.5	NO	0.997	NO	bb
7	7 171129M1_9	Standard	50.000	5.51	33342.352	5713.325	72.949	45.0	-9.9	NO	0.997	NO	bb
8	8 171129M1_10	Standard	100.000	5.50	66206.586	4958.815	166.891	103.0	3.0	NO	0.997	NO	bb
9	9 171129M1_11	Standard	250.000	5.50	183422.781	5656.706	405.322	250.0	0.0	NO	0.997	NO	bb

Compound name: N-EtFOSAA
Coefficient of Determination: R^2 = 0.999342
Calibration curve: 0.000138386 * x^2 + 1.0895 * x + 0.018619
Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	0.250	5.67	120.017	4394.287	0.341	0.3	18.5	NO	0.999	NO	bb
2	2 171129M1_4	Standard	0.500	5.67	256.632	5729.304	0.560	0.5	-0.6	NO	0.999	NO	bb
3	3 171129M1_5	Standard	1.000	5.67	483.751	6389.144	0.946	0.9	-14.8	NO	0.999	NO	bb
4	4 171129M1_6	Standard	2.000	5.66	1095.161	6553.599	2.089	1.9	-5.0	NO	0.999	NO	bb
5	5 171129M1_7	Standard	5.000	5.66	2717.656	6287.627	5.403	4.9	-1.2	NO	0.999	NO	bb
6	6 171129M1_8	Standard	10.000	5.66	5414.702	5484.956	12.340	11.3	12.9	NO	0.999	NO	bb
7	7 171129M1_9	Standard	50.000	5.66	25990.010	6153.919	52.792	48.1	-3.7	NO	0.999	NO	bb
8	8 171129M1_10	Standard	100.000	5.66	43386.148	4872.522	111.303	100.9	0.9	NO	0.999	NO	bb
9	9 171129M1_11	Standard	250.000	5.66	120803.594	5373.488	281.018	250.0	-0.0	NO	0.999	NO	bb

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:51:17 Pacific Standard Time

Compound name: PFUdA
Coefficient of Determination: R^2 = 0.996292
Calibration curve: -0.00109574 * x^2 + 1.34761 * x + -0.026551
Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	0.250	5.69	529.194	17243.518	0.384	0.3	21.8	NO	0.996	NO	bb
2	2 171129M1_4	Standard	0.500	5.68	657.234	11689.202	0.703	0.5	8.3	NO	0.996	NO	MM
3	3 171129M1_5	Standard	1.000	5.69	1147.140	13110.696	1.094	0.8	-16.8	NO	0.996	NO	bb
4	4 171129M1_6	Standard	2.000	5.68	2515.140	12642.275	2.487	1.9	-6.6	NO	0.996	NO	bb
5	5 171129M1_7	Standard	5.000	5.68	6349.596	10649.773	7.453	5.6	11.5	NO	0.996	NO	bb
6	6 171129M1_8	Standard	10.000	5.68	10619.809	13177.382	10.074	7.5	-24.6	NO	0.996	NO	bb
7	7 171129M1_9	Standard	50.000	5.68	67720.586	12047.600	70.264	54.6	9.2	NO	0.996	NO	bb
8	8 171129M1_10	Standard	100.000	5.67	105074.852	10884.623	120.669	97.3	-2.7	NO	0.996	NO	bb
9	9 171129M1_11	Standard	250.000	5.67	295220.531	13737.703	268.623	250.3	0.1	NO	0.996	NO	bb

Compound name: PFDS
Coefficient of Determination: R^2 = 0.998819
Calibration curve: -0.000414099 * x^2 + 0.362287 * x + -0.0383033
Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	0.250	5.73	92.948	17243.518	0.067	0.3	16.7	NO	0.999	NO	bb
2	2 171129M1_4	Standard	0.500	5.73	120.133	11689.202	0.128	0.5	-7.9	NO	0.999	NO	bb
3	3 171129M1_5	Standard	1.000	5.73	301.205	13110.696	0.287	0.9	-10.1	NO	0.999	NO	bb
4	4 171129M1_6	Standard	2.000	5.72	692.069	12642.275	0.684	2.0	-0.0	NO	0.999	NO	bb
5	5 171129M1_7	Standard	5.000	5.72	1689.335	10649.773	1.983	5.6	12.3	NO	0.999	NO	bb
6	6 171129M1_8	Standard	10.000	5.72	3329.612	13177.382	3.158	8.9	-10.9	NO	0.999	NO	bb
7	7 171129M1_9	Standard	50.000	5.72	15980.821	12047.600	16.581	48.6	-2.9	NO	0.999	NO	bb
8	8 171129M1_10	Standard	100.000	5.72	28716.383	10884.623	32.978	103.3	3.3	NO	0.999	NO	bb
9	9 171129M1_11	Standard	250.000	5.72	70758.875	13737.703	64.384	248.3	-0.7	NO	0.999	NO	bb

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:51:17 Pacific Standard Time

Compound name: PFDoA
Coefficient of Determination: R^2 = 0.991551
Calibration curve: -0.0151844 * x^2 + 3.6625 * x + -0.221109
Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	0.250	5.96	657.775	9367.853	0.878	0.3	20.2	NO	0.992	NO	MM
2	2 171129M1_4	Standard	0.500	5.96	803.528	8529.730	1.178	0.4	-23.5	NO	0.992	NO	db
3	3 171129M1_5	Standard	1.000	5.96	1555.529	7024.010	2.768	0.8	-18.1	NO	0.992	NO	bb
4	4 171129M1_6	Standard	2.000	5.96	3555.528	6110.327	7.274	2.1	3.2	NO	0.992	NO	bb
5	5 171129M1_7	Standard	5.000	5.96	8602.831	5596.254	19.216	5.4	8.6	NO	0.992	NO	bb
6	6 171129M1_8	Standard	10.000	5.96	14812.669	6619.768	27.971	8.0	-20.4	NO	0.992	NO	bb
7	7 171129M1_9	Standard	50.000	5.96	65419.082	5246.301	155.870	55.3	10.6	NO	0.992	NO	bb
8	8 171129M1_10	Standard	100.000	5.96	101769.078	6076.736	209.342	93.3	-6.7	NO	0.992	NO	bb
9	9 171129M1_11	Standard	250.000	5.95	388366.125	7561.872	641.981			NO	0.992	NO	bbXI

Compound name: N-MeFOSA
Correlation coefficient: r = 0.996585, r^2 = 0.993181
Calibration curve: 0.986648 * x + 0.358267
Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	1.250	5.87	175.599	19930.527	1.322	1.0	-21.9	NO	0.993	NO	bb
2	2 171129M1_4	Standard	2.500	5.87	316.459	18882.705	2.514	2.2	-12.6	NO	0.993	NO	bb
3	3 171129M1_5	Standard	5.000	5.87	738.846	20104.799	5.512	5.2	4.5	NO	0.993	NO	bb
4	4 171129M1_6	Standard	10.000	5.87	1434.243	18294.748	11.759	11.6	15.6	NO	0.993	NO	bb
5	5 171129M1_7	Standard	25.000	5.87	3594.279	18740.590	28.769	28.8	15.2	NO	0.993	NO	bb
6	6 171129M1_8	Standard	50.000	5.87	7472.079	19628.246	57.102	57.5	15.0	NO	0.993	NO	bb
7	7 171129M1_9	Standard	250.000	5.87	34708.742	18811.648	276.760	280.1	12.1	NO	0.993	NO	bb
8	8 171129M1_10	Standard	500.000	5.87	62154.473	17522.844	532.058	538.9	7.8	NO	0.993	NO	bb
9	9 171129M1_11	Standard	1250.000	5.87	167891.266	21837.670	1153.222	1168.5	-6.5	NO	0.993	NO	bb

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Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:51:17 Pacific Standard Time

Compound name: PFTrDA
Coefficient of Determination: R^2 = 0.997247
Calibration curve: -0.00412831 * x^2 + 2.97066 * x + -0.204638
Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	0.250	6.20	536.956	9367.853	0.716	0.3	24.1	NO	0.997	NO	bb
2	2 171129M1_4	Standard	0.500	6.20	776.703	8529.730	1.138	0.5	-9.5	NO	0.997	NO	bb
3	3 171129M1_5	Standard	1.000	6.20	1604.631	7024.010	2.856	1.0	3.2	NO	0.997	NO	bb
4	4 171129M1_6	Standard	2.000	6.20	2754.750	6110.327	5.635	2.0	-1.4	NO	0.997	NO	bb
5	5 171129M1_7	Standard	5.000	6.19	6572.822	5596.254	14.681	5.0	0.9	NO	0.997	NO	bd
6	6 171129M1_8	Standard	10.000	6.19	12504.358	6619.768	23.612	8.1	-18.9	NO	0.997	NO	bb
7	7 171129M1_9	Standard	50.000	6.19	56097.160	5246.301	133.659	48.3	-3.4	NO	0.997	NO	bb
8	8 171129M1_10	Standard	100.000	6.19	131179.656	6076.736	269.840	106.7	6.7	NO	0.997	NO	bb
9	9 171129M1_11	Standard	250.000	6.19	290267.875	7561.872	479.821	245.0	-2.0	NO	0.997	NO	bb

Compound name: PFTeDA
Coefficient of Determination: R^2 = 0.996111
Calibration curve: -0.000932552 * x^2 + 1.17691 * x + 0.1227
Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	0.250	6.39	241.654	8741.027	0.346	0.2	-24.2	NO	0.996	NO	bb
2	2 171129M1_4	Standard	0.500	6.39	427.949	9097.455	0.588	0.4	-20.9	NO	0.996	NO	bb
3	3 171129M1_5	Standard	1.000	6.39	978.061	7787.325	1.570	1.2	23.1	NO	0.996	NO	bb
4	4 171129M1_6	Standard	2.000	6.39	1765.392	8127.087	2.715	2.2	10.3	NO	0.996	NO	bb
5	5 171129M1_7	Standard	5.000	6.38	4601.356	8887.351	6.472	5.4	8.4	NO	0.996	NO	bb
6	6 171129M1_8	Standard	10.000	6.38	8376.546	8033.870	13.033	11.1	10.7	NO	0.996	NO	bb
7	7 171129M1_9	Standard	50.000	6.38	36513.457	9162.782	49.812	43.7	-12.5	NO	0.996	NO	bb
8	8 171129M1_10	Standard	100.000	6.38	72034.852	7878.740	114.287	105.9	5.9	NO	0.996	NO	bb
9	9 171129M1_11	Standard	250.000	6.38	173119.703	9206.598	235.048	248.6	-0.6	NO	0.996	NO	bb

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:51:17 Pacific Standard Time

Compound name: N-EtFOSA
Coefficient of Determination: R^2 = 0.999384
Calibration curve: -5.19289e-005 * x^2 + 0.950137 * x + 0.178125
Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	1.250	6.22	215.395	24723.809	1.307	1.2	-5.0	NO	0.999	NO	bb
2	2 171129M1_4	Standard	2.500	6.22	444.844	27835.697	2.397	2.3	-6.6	NO	0.999	NO	bb
3	3 171129M1_5	Standard	5.000	6.22	958.648	28808.139	4.992	5.1	1.3	NO	0.999	NO	bb
4	4 171129M1_6	Standard	10.000	6.22	1805.890	27323.951	9.914	10.3	2.5	NO	0.999	NO	bb
5	5 171129M1_7	Standard	25.000	6.22	4618.542	28721.105	24.121	25.2	0.9	NO	0.999	NO	bb
6	6 171129M1_8	Standard	50.000	6.22	9354.916	27768.588	50.533	53.2	6.3	NO	0.999	NO	bb
7	7 171129M1_9	Standard	250.000	6.22	44057.168	27221.459	242.771	259.0	3.6	NO	0.999	NO	bb
8	8 171129M1_10	Standard	500.000	6.22	77053.906	25919.607	445.921	481.8	-3.6	NO	0.999	NO	bb
9	9 171129M1_11	Standard	1250.000	6.22	210037.766	28346.143	1111.462	1255.8	0.5	NO	0.999	NO	bb

Compound name: PFHxDA
Coefficient of Determination: R^2 = 0.997886
Calibration curve: -0.000130606 * x^2 + 0.538197 * x + 0.0813774
Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	0.250	6.68	133.335	3692.947	0.181	0.2	-26.3	NO	0.998	NO	bb
2	2 171129M1_4	Standard	0.500	6.67	262.414	3787.407	0.346	0.5	-1.5	NO	0.998	NO	bb
3	3 171129M1_5	Standard	1.000	6.68	547.734	4002.149	0.684	1.1	12.1	NO	0.998	NO	bb
4	4 171129M1_6	Standard	2.000	6.67	971.987	3821.571	1.272	2.2	10.6	NO	0.998	NO	bb
5	5 171129M1_7	Standard	5.000	6.67	1753.441	3718.132	2.358	4.2	-15.3	NO	0.998	NO	bb
6	6 171129M1_8	Standard	10.000	6.67	4616.423	3466.435	6.659	12.3	22.6	NO	0.998	NO	bb
7	7 171129M1_9	Standard	50.000	6.67	20031.684	3728.271	26.865	50.4	0.8	NO	0.998	NO	bb
8	8 171129M1_10	Standard	100.000	6.67	34114.137	3355.362	50.835	96.6	-3.4	NO	0.998	NO	bb
9	9 171129M1_11	Standard	250.000	6.67	106919.719	4206.440	127.091	251.3	0.5	NO	0.998	NO	bb

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:51:17 Pacific Standard Time

Compound name: PFODA
Coefficient of Determination: R^2 = 0.999221
Calibration curve: -0.000114312 * x^2 + 0.696208 * x + 0.0111221
Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	0.250	6.88	143.120	3692.947	0.194	0.3	4.9	NO	0.999	NO	bb
2	2 171129M1_4	Standard	0.500	6.89	232.099	3787.407	0.306	0.4	-15.2	NO	0.999	NO	bb
3	3 171129M1_5	Standard	1.000	6.88	567.594	4002.149	0.709	1.0	0.3	NO	0.999	NO	bb
4	4 171129M1_6	Standard	2.000	6.88	1039.734	3821.571	1.360	1.9	-3.1	NO	0.999	NO	bb
5	5 171129M1_7	Standard	5.000	6.88	2868.831	3718.132	3.858	5.5	10.6	NO	0.999	NO	bb
6	6 171129M1_8	Standard	10.000	6.88	5434.919	3466.435	7.839	11.3	12.6	NO	0.999	NO	bb
7	7 171129M1_9	Standard	50.000	6.88	24769.783	3728.271	33.219	48.1	-3.8	NO	0.999	NO	bb
8	8 171129M1_10	Standard	100.000	6.88	45887.566	3355.362	68.379	99.8	-0.2	NO	0.999	NO	bb
9	9 171129M1_11	Standard	250.000	6.88	140649.625	4206.440	167.184	250.4	0.2	NO	0.999	NO	bd

Compound name: N-MeFOSE
Correlation coefficient: r = 0.998584, r^2 = 0.997170
Calibration curve: 1.01614 * x + -0.274032
Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	1.250	6.32	147.949	19713.309	1.126	1.4	10.2	NO	0.997	NO	bb
2	2 171129M1_4	Standard	2.500	6.32	342.964	25841.721	1.991	2.2	-10.8	NO	0.997	NO	bb
3	3 171129M1_5	Standard	5.000	6.32	845.057	24101.766	5.259	5.4	8.9	NO	0.997	NO	bb
4	4 171129M1_6	Standard	10.000	6.32	1425.037	21441.861	9.969	10.1	0.8	NO	0.997	NO	bb
5	5 171129M1_7	Standard	25.000	6.32	4025.336	23103.166	26.135	26.0	4.0	NO	0.997	NO	bb
6	6 171129M1_8	Standard	50.000	6.32	7250.781	24649.609	44.123	43.7	-12.6	NO	0.997	NO	bb
7	7 171129M1_9	Standard	250.000	6.32	46642.762	26223.775	266.797	262.8	5.1	NO	0.997	NO	bd
8	8 171129M1_10	Standard	500.000	6.32	74619.102	24007.137	466.231	459.1	-8.2	NO	0.997	NO	bb
9	9 171129M1_11	Standard	1250.000	6.32	223784.563	25752.828	1303.456	1283.0	2.6	NO	0.997	NO	bd

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:51:17 Pacific Standard Time

Compound name: N-EtFOSE
Correlation coefficient: r = 0.995276, r^2 = 0.990574
Calibration curve: 1.07448 * x + 0.5754
Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	1.250	6.47	227.446	19837.904	1.720	1.1	-14.8	NO	0.991	NO	bb
2	2 171129M1_4	Standard	2.500	6.47	445.238	22196.850	3.009	2.3	-9.4	NO	0.991	NO	bb
3	3 171129M1_5	Standard	5.000	6.47	816.412	26309.732	4.655	3.8	-24.1	NO	0.991	NO	bb
4	4 171129M1_6	Standard	10.000	6.47	1712.156	24522.330	10.473	9.2	-7.9	NO	0.991	NO	bb
5	5 171129M1_7	Standard	25.000	6.47	5083.388	23324.711	32.691	29.9	19.6	NO	0.991	NO	bb
6	6 171129M1_8	Standard	50.000	6.47	10180.205	22773.920	67.052	61.9	23.7	NO	0.991	NO	bb
7	7 171129M1_9	Standard	250.000	6.47	42440.699	21672.719	293.738	272.8	9.1	NO	0.991	NO	bb
8	8 171129M1_10	Standard	500.000	6.47	83975.477	21069.773	597.839	555.9	11.2	NO	0.991	NO	bb
9	9 171129M1_11	Standard	1250.000	6.47	264119.906	31855.234	1243.688	1156.9	-7.4	NO	0.991	NO	bd

Compound name: 13C3-PFBA
Response Factor: 0.860835
RRF SD: 0.0347653, Relative SD: 4.03856
Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	12.500	1.67	10026.652	11865.462	10.563	12.3	-1.8	NO		NO	bb
2	2 171129M1_4	Standard	12.500	1.68	10082.000	11874.940	10.613	12.3	-1.4	NO		NO	bb
3	3 171129M1_5	Standard	12.500	1.67	10814.669	12812.999	10.550	12.3	-2.0	NO		NO	bb
4	4 171129M1_6	Standard	12.500	1.67	10414.885	11989.588	10.858	12.6	0.9	NO		NO	bb
5	5 171129M1_7	Standard	12.500	1.67	10804.567	12278.179	11.000	12.8	2.2	NO		NO	bb
6	6 171129M1_8	Standard	12.500	1.67	10128.008	12579.862	10.064	11.7	-6.5	NO		NO	bb
7	7 171129M1_9	Standard	12.500	1.67	10817.129	11788.488	11.470	13.3	6.6	NO		NO	bb
8	8 171129M1_10	Standard	12.500	1.67	9456.897	11303.944	10.458	12.1	-2.8	NO		NO	bb
9	9 171129M1_11	Standard	12.500	1.66	12142.869	13469.720	11.269	13.1	4.7	NO		NO	bb

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:51:17 Pacific Standard Time

Compound name: 13C3-PFPeA
Response Factor: 0.75739
RRF SD: 0.0534896, Relative SD: 7.06236
Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	12.500	2.64	12219.246	17527.582	8.714	11.5	-8.0	NO		NO	bb
2	2 171129M1_4	Standard	12.500	2.65	13247.064	16614.797	9.966	13.2	5.3	NO		NO	bb
3	3 171129M1_5	Standard	12.500	2.65	13182.259	19198.879	8.583	11.3	-9.3	NO		NO	bb
4	4 171129M1_6	Standard	12.500	2.64	13401.588	17227.559	9.724	12.8	2.7	NO		NO	bb
5	5 171129M1_7	Standard	12.500	2.64	13660.671	19085.348	8.947	11.8	-5.5	NO		NO	bb
6	6 171129M1_8	Standard	12.500	2.64	13126.456	17451.930	9.402	12.4	-0.7	NO		NO	bb
7	7 171129M1_9	Standard	12.500	2.64	13507.333	15926.490	10.601	14.0	12.0	NO		NO	bb
8	8 171129M1_10	Standard	12.500	2.64	11996.423	16211.024	9.250	12.2	-2.3	NO		NO	bb
9	9 171129M1_11	Standard	12.500	2.63	14486.832	18074.793	10.019	13.2	5.8	NO		NO	bb

Compound name: 13C3-PFBS
Response Factor: 0.0939522
RRF SD: 0.00695141, Relative SD: 7.39887
Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	12.500	2.91	1583.830	17527.582	1.130	12.0	-3.8	NO		NO	bb
2	2 171129M1_4	Standard	12.500	2.91	1623.653	16614.797	1.222	13.0	4.0	NO		NO	bb
3	3 171129M1_5	Standard	12.500	2.91	1757.680	19198.879	1.144	12.2	-2.6	NO		NO	bb
4	4 171129M1_6	Standard	12.500	2.91	1558.504	17227.559	1.131	12.0	-3.7	NO		NO	bb
5	5 171129M1_7	Standard	12.500	2.91	1568.397	19085.348	1.027	10.9	-12.5	NO		NO	bb
6	6 171129M1_8	Standard	12.500	2.91	1625.559	17451.930	1.164	12.4	-0.9	NO		NO	bb
7	7 171129M1_9	Standard	12.500	2.91	1717.252	15926.490	1.348	14.3	14.8	NO		NO	bb
8	8 171129M1_10	Standard	12.500	2.91	1562.392	16211.024	1.205	12.8	2.6	NO		NO	bb
9	9 171129M1_11	Standard	12.500	2.90	1734.142	18074.793	1.199	12.8	2.1	NO		NO	bb

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:51:17 Pacific Standard Time

Compound name: 13C2-PFHxA
Response Factor: 0.737554
RRF SD: 0.0485569, Relative SD: 6.58351
Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	5.000	3.42	5128.370	17527.582	3.657	5.0	-0.8	NO		NO	bb
2	2 171129M1_4	Standard	5.000	3.42	5201.672	16614.797	3.913	5.3	6.1	NO		NO	bb
3	3 171129M1_5	Standard	5.000	3.42	5113.501	19198.879	3.329	4.5	-9.7	NO		NO	bb
4	4 171129M1_6	Standard	5.000	3.42	5488.638	17227.559	3.982	5.4	8.0	NO		NO	bb
5	5 171129M1_7	Standard	5.000	3.42	5198.492	19085.348	3.405	4.6	-7.7	NO		NO	bb
6	6 171129M1_8	Standard	5.000	3.41	5197.898	17451.930	3.723	5.0	1.0	NO		NO	bb
7	7 171129M1_9	Standard	5.000	3.42	4553.808	15926.490	3.574	4.8	-3.1	NO		NO	bb
8	8 171129M1_10	Standard	5.000	3.41	4666.482	16211.024	3.598	4.9	-2.4	NO		NO	bb
9	9 171129M1_11	Standard	5.000	3.41	5794.465	18074.793	4.007	5.4	8.7	NO		NO	bb

Compound name: 13C4-PFHpA
Response Factor: 0.579965
RRF SD: 0.0372411, Relative SD: 6.42126
Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	12.500	4.05	10356.988	17527.582	7.386	12.7	1.9	NO		NO	bb
2	2 171129M1_4	Standard	12.500	4.05	9846.040	16614.797	7.408	12.8	2.2	NO		NO	bb
3	3 171129M1_5	Standard	12.500	4.05	9355.966	19198.879	6.091	10.5	-16.0	NO		NO	bb
4	4 171129M1_6	Standard	12.500	4.05	10072.544	17227.559	7.308	12.6	0.8	NO		NO	bb
5	5 171129M1_7	Standard	12.500	4.05	10719.406	19085.348	7.021	12.1	-3.2	NO		NO	bb
6	6 171129M1_8	Standard	12.500	4.04	10341.869	17451.930	7.407	12.8	2.2	NO		NO	bb
7	7 171129M1_9	Standard	12.500	4.05	9685.889	15926.490	7.602	13.1	4.9	NO		NO	bb
8	8 171129M1_10	Standard	12.500	4.04	9664.237	16211.024	7.452	12.8	2.8	NO		NO	bb
9	9 171129M1_11	Standard	12.500	4.04	10946.577	18074.793	7.570	13.1	4.4	NO		NO	bb

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:51:17 Pacific Standard Time

Compound name: 18O2-PFHxS
Response Factor: 0.438129
RRF SD: 0.0396589, Relative SD: 9.05188
Response type: Internal Std (Ref 56), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	12.500	4.19	1489.898	3190.040	5.838	13.3	6.6	NO		NO	bb
2	2 171129M1_4	Standard	12.500	4.20	1252.261	3400.355	4.603	10.5	-15.9	NO		NO	bb
3	3 171129M1_5	Standard	12.500	4.20	1441.704	3242.058	5.559	12.7	1.5	NO		NO	bb
4	4 171129M1_6	Standard	12.500	4.19	1418.324	3217.358	5.510	12.6	0.6	NO		NO	bb
5	5 171129M1_7	Standard	12.500	4.19	1560.307	3195.473	6.104	13.9	11.4	NO		NO	bb
6	6 171129M1_8	Standard	12.500	4.19	1407.678	3077.196	5.718	13.1	4.4	NO		NO	bb
7	7 171129M1_9	Standard	12.500	4.18	1302.242	3391.146	4.800	11.0	-12.4	NO		NO	bb
8	8 171129M1_10	Standard	12.500	4.18	1374.091	3229.512	5.318	12.1	-2.9	NO		NO	bb
9	9 171129M1_11	Standard	12.500	4.18	1370.807	2934.821	5.839	13.3	6.6	NO		NO	bb

Compound name: 13C2-6:2 FTS
Response Factor: 0.278578
RRF SD: 0.051048, Relative SD: 18.3245
Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	12.500	4.52	3119.554	13657.533	2.855	10.2	-18.0	NO		NO	bb
2	2 171129M1_4	Standard	12.500	4.51	3896.083	11294.119	4.312	15.5	23.8	NO		NO	bb
3	3 171129M1_5	Standard	12.500	4.51	3282.881	14211.829	2.887	10.4	-17.1	NO		NO	bb
4	4 171129M1_6	Standard	12.500	4.51	3138.869	13179.963	2.977	10.7	-14.5	NO		NO	bb
5	5 171129M1_7	Standard	12.500	4.51	3596.850	11845.208	3.796	13.6	9.0	NO		NO	bb
6	6 171129M1_8	Standard	12.500	4.51	3266.811	12874.272	3.172	11.4	-8.9	NO		NO	bb
7	7 171129M1_9	Standard	12.500	4.51	3163.336	11637.163	3.398	12.2	-2.4	NO		NO	bb
8	8 171129M1_10	Standard	12.500	4.50	4325.303	12120.377	4.461	16.0	28.1	NO		NO	bb
9	9 171129M1_11	Standard	12.500	4.50	6933.506	13559.068	6.392	22.9	83.6	NO		NO	bbX

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:51:17 Pacific Standard Time

Compound name: 13C2-PFOA
Response Factor: 0.911523
RRF SD: 0.0885327, Relative SD: 9.71261
Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	12.500	4.57	10922.038	13657.533	9.996	11.0	-12.3	NO		NO	bd
2	2 171129M1_4	Standard	12.500	4.57	10679.942	11294.119	11.820	13.0	3.7	NO		NO	bb
3	3 171129M1_5	Standard	12.500	4.56	12767.788	14211.829	11.230	12.3	-1.4	NO		NO	bb
4	4 171129M1_6	Standard	12.500	4.56	13522.411	13179.963	12.825	14.1	12.6	NO		NO	bb
5	5 171129M1_7	Standard	12.500	4.56	11879.589	11845.208	12.536	13.8	10.0	NO		NO	bb
6	6 171129M1_8	Standard	12.500	4.56	10121.173	12874.272	9.827	10.8	-13.8	NO		NO	bb
7	7 171129M1_9	Standard	12.500	4.56	10892.323	11637.163	11.700	12.8	2.7	NO		NO	bb
8	8 171129M1_10	Standard	12.500	4.56	10063.714	12120.377	10.379	11.4	-8.9	NO		NO	bb
9	9 171129M1_11	Standard	12.500	4.56	13269.429	13559.068	12.233	13.4	7.4	NO		NO	bb

Compound name: 13C5-PFNA
Response Factor: 0.944305
RRF SD: 0.148591, Relative SD: 15.7354
Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	12.500	5.00	13816.894	17131.033	10.082	10.7	-14.6	NO		NO	bb
2	2 171129M1_4	Standard	12.500	5.00	14051.252	16122.105	10.894	11.5	-7.7	NO		NO	bb
3	3 171129M1_5	Standard	12.500	4.99	13575.820	17869.934	9.496	10.1	-19.5	NO		NO	bb
4	4 171129M1_6	Standard	12.500	4.99	15569.140	16293.718	11.944	12.6	1.2	NO		NO	bb
5	5 171129M1_7	Standard	12.500	4.99	16054.984	12927.612	15.524	16.4	31.5	NO		NO	bb
6	6 171129M1_8	Standard	12.500	4.99	13787.211	14529.750	11.861	12.6	0.5	NO		NO	bb
7	7 171129M1_9	Standard	12.500	4.99	11730.421	13679.578	10.719	11.4	-9.2	NO		NO	bb
8	8 171129M1_10	Standard	12.500	4.99	13670.831	14152.747	12.074	12.8	2.3	NO		NO	bb
9	9 171129M1_11	Standard	12.500	4.99	15633.755	14327.772	13.639	14.4	15.6	NO		NO	bb

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:51:17 Pacific Standard Time

Compound name: 13C8-PFOSA
Response Factor: 0.444064
RRF SD: 0.0641385, Relative SD: 14.4435
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	12.500	5.05	5528.323	16233.315	4.257	9.6	-23.3	NO		NO	bb
2	2 171129M1_4	Standard	12.500	5.05	4957.357	13047.962	4.749	10.7	-14.4	NO		NO	bb
3	3 171129M1_5	Standard	12.500	5.05	4857.722	10970.057	5.535	12.5	-0.3	NO		NO	bb
4	4 171129M1_6	Standard	12.500	5.05	5484.315	10173.095	6.739	15.2	21.4	NO		NO	bb
5	5 171129M1_7	Standard	12.500	5.04	4939.325	10945.159	5.641	12.7	1.6	NO		NO	bb
6	6 171129M1_8	Standard	12.500	5.04	5197.143	12044.093	5.394	12.1	-2.8	NO		NO	bb
7	7 171129M1_9	Standard	12.500	5.04	4847.837	9068.287	6.682	15.0	20.4	NO		NO	bb
8	8 171129M1_10	Standard	12.500	5.04	4262.647	10116.366	5.267	11.9	-5.1	NO		NO	bb
9	9 171129M1_11	Standard	12.500	5.04	4630.357	10167.032	5.693	12.8	2.6	NO		NO	bb

Compound name: 13C8-PFOS
Response Factor: 1.03823
RRF SD: 0.0995457, Relative SD: 9.58798
Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	12.500	5.07	4196.374	4275.171	12.270	11.8	-5.5	NO		NO	bb
2	2 171129M1_4	Standard	12.500	5.07	3591.293	3213.588	13.969	13.5	7.6	NO		NO	bb
3	3 171129M1_5	Standard	12.500	5.07	3935.342	3777.932	13.021	12.5	0.3	NO		NO	bb
4	4 171129M1_6	Standard	12.500	5.07	3642.691	3294.688	13.820	13.3	6.5	NO		NO	bb
5	5 171129M1_7	Standard	12.500	5.07	3943.537	4001.201	12.320	11.9	-5.1	NO		NO	bb
6	6 171129M1_8	Standard	12.500	5.07	4035.484	3464.947	14.558	14.0	12.2	NO		NO	bb
7	7 171129M1_9	Standard	12.500	5.07	3619.070	4046.930	11.178	10.8	-13.9	NO		NO	bb
8	8 171129M1_10	Standard	12.500	5.07	3439.039	3018.163	14.243	13.7	9.7	NO		NO	bb
9	9 171129M1_11	Standard	12.500	5.07	3702.584	4052.118	11.422	11.0	-12.0	NO		NO	bb

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:51:17 Pacific Standard Time

Compound name: 13C2-PFDA
Response Factor: 2.00328
RRF SD: 0.227694, Relative SD: 11.3661
Response type: Internal Std (Ref 60), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	12.500	5.37	16344.257	9374.218	21.794	10.9	-13.0	NO		NO	bb
2	2 171129M1_4	Standard	12.500	5.37	11282.306	6107.150	23.092	11.5	-7.8	NO		NO	bb
3	3 171129M1_5	Standard	12.500	5.36	14143.657	7283.623	24.273	12.1	-3.1	NO		NO	bb
4	4 171129M1_6	Standard	12.500	5.36	13565.730	6470.476	26.207	13.1	4.7	NO		NO	bb
5	5 171129M1_7	Standard	12.500	5.36	13504.575	7641.693	22.090	11.0	-11.8	NO		NO	bb
6	6 171129M1_8	Standard	12.500	5.36	13720.346	7535.401	22.760	11.4	-9.1	NO		NO	bb
7	7 171129M1_9	Standard	12.500	5.36	13416.062	5739.404	29.219	14.6	16.7	NO		NO	bb
8	8 171129M1_10	Standard	12.500	5.36	12269.790	5510.067	27.835	13.9	11.2	NO		NO	bb
9	9 171129M1_11	Standard	12.500	5.36	15865.977	7058.398	28.098	14.0	12.2	NO		NO	bb

Compound name: 13C2-8:2 FTS
Response Factor: 0.0951138
RRF SD: 0.0133792, Relative SD: 14.0665
Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	12.500	5.34	2190.843	17527.582	1.562	16.4	31.4	NO		NO	bbX
2	2 171129M1_4	Standard	12.500	5.34	956.183	16614.797	0.719	7.6	-39.5	NO		NO	bbX
3	3 171129M1_5	Standard	12.500	5.34	1612.742	19198.879	1.050	11.0	-11.7	NO		NO	bb
4	4 171129M1_6	Standard	12.500	5.34	1661.006	17227.559	1.205	12.7	1.4	NO		NO	bb
5	5 171129M1_7	Standard	12.500	5.34	1520.813	19085.348	0.996	10.5	-16.2	NO		NO	bb
6	6 171129M1_8	Standard	12.500	5.33	2012.858	17451.930	1.442	15.2	21.3	NO		NO	bb
7	7 171129M1_9	Standard	12.500	5.33	1436.536	15926.490	1.127	11.9	-5.2	NO		NO	bb
8	8 171129M1_10	Standard	12.500	5.33	1702.893	16211.024	1.313	13.8	10.4	NO		NO	bb
9	9 171129M1_11	Standard	12.500	5.33	3230.495	18074.793	2.234	23.5	87.9	NO		NO	bbX

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Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:51:17 Pacific Standard Time

Compound name: d3-N-MeFOSAA
Response Factor: 0.496713
RRF SD: 0.0758315, Relative SD: 15.2667
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	12.500	5.51	4897.724	16233.315	3.771	7.6	-39.3	NO		NO	bbX
2	2 171129M1_4	Standard	12.500	5.51	5034.683	13047.962	4.823	9.7	-22.3	NO		NO	bb
3	3 171129M1_5	Standard	12.500	5.51	4801.392	10970.057	5.471	11.0	-11.9	NO		NO	bb
4	4 171129M1_6	Standard	12.500	5.51	5294.088	10173.095	6.505	13.1	4.8	NO		NO	bb
5	5 171129M1_7	Standard	12.500	5.50	5538.351	10945.159	6.325	12.7	1.9	NO		NO	bb
6	6 171129M1_8	Standard	12.500	5.50	5385.661	12044.093	5.590	11.3	-10.0	NO		NO	bb
7	7 171129M1_9	Standard	12.500	5.50	5713.325	9068.287	7.875	15.9	26.8	NO		NO	bb
8	8 171129M1_10	Standard	12.500	5.50	4958.815	10116.366	6.127	12.3	-1.3	NO		NO	bb
9	9 171129M1_11	Standard	12.500	5.50	5656.706	10167.032	6.955	14.0	12.0	NO		NO	bb

Compound name: d5-N-EtFOSAA
Response Factor: 0.548048
RRF SD: 0.0873568, Relative SD: 15.9396
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	12.500	5.66	4394.287	16233.315	3.384	6.2	-50.6	NO		NO	bbX
2	2 171129M1_4	Standard	12.500	5.66	5729.304	13047.962	5.489	10.0	-19.9	NO		NO	bb
3	3 171129M1_5	Standard	12.500	5.66	6389.144	10970.057	7.280	13.3	6.3	NO		NO	bb
4	4 171129M1_6	Standard	12.500	5.66	6553.599	10173.095	8.053	14.7	17.5	NO		NO	bb
5	5 171129M1_7	Standard	12.500	5.66	6287.627	10945.159	7.181	13.1	4.8	NO		NO	bb
6	6 171129M1_8	Standard	12.500	5.66	5484.956	12044.093	5.693	10.4	-16.9	NO		NO	bb
7	7 171129M1_9	Standard	12.500	5.65	6153.919	9068.287	8.483	15.5	23.8	NO		NO	bb
8	8 171129M1_10	Standard	12.500	5.65	4872.522	10116.366	6.021	11.0	-12.1	NO		NO	bb
9	9 171129M1_11	Standard	12.500	5.65	5373.488	10167.032	6.607	12.1	-3.6	NO		NO	bb

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Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:51:17 Pacific Standard Time

Compound name: 13C2-PFUdA
Response Factor: 1.13542
RRF SD: 0.155443, Relative SD: 13.6904
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	12.500	5.69	17243.518	16233.315	13.278	11.7	-6.4	NO		NO	bb
2	2 171129M1_4	Standard	12.500	5.68	11689.202	13047.962	11.198	9.9	-21.1	NO		NO	bb
3	3 171129M1_5	Standard	12.500	5.69	13110.696	10970.057	14.939	13.2	5.3	NO		NO	bb
4	4 171129M1_6	Standard	12.500	5.68	12642.275	10173.095	15.534	13.7	9.5	NO		NO	bb
5	5 171129M1_7	Standard	12.500	5.68	10649.773	10945.159	12.163	10.7	-14.3	NO		NO	bb
6	6 171129M1_8	Standard	12.500	5.68	13177.382	12044.093	13.676	12.0	-3.6	NO		NO	bb
7	7 171129M1_9	Standard	12.500	5.67	12047.600	9068.287	16.607	14.6	17.0	NO		NO	bb
8	8 171129M1_10	Standard	12.500	5.67	10884.623	10116.366	13.449	11.8	-5.2	NO		NO	bb
9	9 171129M1_11	Standard	12.500	5.67	13737.703	10167.032	16.890	14.9	19.0	NO		NO	bb

Compound name: 13C2-PFDoA
Response Factor: 0.606181
RRF SD: 0.0672921, Relative SD: 11.101
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	12.500	5.96	9367.853	16233.315	7.213	11.9	-4.8	NO		NO	bb
2	2 171129M1_4	Standard	12.500	5.96	8529.730	13047.962	8.172	13.5	7.8	NO		NO	bb
3	3 171129M1_5	Standard	12.500	5.96	7024.010	10970.057	8.004	13.2	5.6	NO		NO	bb
4	4 171129M1_6	Standard	12.500	5.96	6110.327	10173.095	7.508	12.4	-0.9	NO		NO	bb
5	5 171129M1_7	Standard	12.500	5.96	5596.254	10945.159	6.391	10.5	-15.7	NO		NO	bb
6	6 171129M1_8	Standard	12.500	5.96	6619.768	12044.093	6.870	11.3	-9.3	NO		NO	bb
7	7 171129M1_9	Standard	12.500	5.96	5246.301	9068.287	7.232	11.9	-4.6	NO		NO	bb
8	8 171129M1_10	Standard	12.500	5.95	6076.736	10116.366	7.509	12.4	-0.9	NO		NO	bb
9	9 171129M1_11	Standard	12.500	5.95	7561.872	10167.032	9.297	15.3	22.7	NO		NO	bb

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:51:17 Pacific Standard Time

Compound name: d3-N-MeFOSA
Response Factor: 0.144466
RRF SD: 0.0237718, Relative SD: 16.4549
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	150.000	5.89	19930.527	16233.315	15.347	106.2	-29.2	NO		NO	bb
2	2 171129M1_4	Standard	150.000	5.89	18882.705	13047.962	18.090	125.2	-16.5	NO		NO	bb
3	3 171129M1_5	Standard	150.000	5.89	20104.799	10970.057	22.909	158.6	5.7	NO		NO	bb
4	4 171129M1_6	Standard	150.000	5.89	18294.748	10173.095	22.479	155.6	3.7	NO		NO	bb
5	5 171129M1_7	Standard	150.000	5.89	18740.590	10945.159	21.403	148.2	-1.2	NO		NO	bb
6	6 171129M1_8	Standard	150.000	5.89	19628.246	12044.093	20.371	141.0	-6.0	NO		NO	bb
7	7 171129M1_9	Standard	150.000	5.89	18811.648	9068.287	25.931	179.5	19.7	NO		NO	bb
8	8 171129M1_10	Standard	150.000	5.89	17522.844	10116.366	21.652	149.9	-0.1	NO		NO	bb
9	9 171129M1_11	Standard	150.000	5.89	21837.670	10167.032	26.849	185.8	23.9	NO		NO	bd

Compound name: 13C2-PFTeDA
Response Factor: 0.768693
RRF SD: 0.137819, Relative SD: 17.929
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	12.500	6.39	8741.027	16233.315	6.731	8.8	-30.0	NO		NO	bb
2	2 171129M1_4	Standard	12.500	6.39	9097.455	13047.962	8.715	11.3	-9.3	NO		NO	bb
3	3 171129M1_5	Standard	12.500	6.39	7787.325	10970.057	8.873	11.5	-7.7	NO		NO	bb
4	4 171129M1_6	Standard	12.500	6.39	8127.087	10173.095	9.986	13.0	3.9	NO		NO	bb
5	5 171129M1_7	Standard	12.500	6.38	8887.351	10945.159	10.150	13.2	5.6	NO		NO	bb
6	6 171129M1_8	Standard	12.500	6.38	8033.870	12044.093	8.338	10.8	-13.2	NO		NO	bb
7	7 171129M1_9	Standard	12.500	6.38	9162.782	9068.287	12.630	16.4	31.4	NO		NO	bb
8	8 171129M1_10	Standard	12.500	6.38	7878.740	10116.366	9.735	12.7	1.3	NO		NO	bb
9	9 171129M1_11	Standard	12.500	6.38	9206.598	10167.032	11.319	14.7	17.8	NO		NO	bb

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:51:17 Pacific Standard Time

Compound name: d5-N-ETFOSA
Response Factor: 0.206019
RRF SD: 0.0363754, Relative SD: 17.6563
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	150.000	6.23	24723.809	16233.315	19.038	92.4	-38.4	NO		NO	bb
2	2 171129M1_4	Standard	150.000	6.23	27835.697	13047.962	26.667	129.4	-13.7	NO		NO	bb
3	3 171129M1_5	Standard	150.000	6.23	28808.139	10970.057	32.826	159.3	6.2	NO		NO	bb
4	4 171129M1_6	Standard	150.000	6.23	27323.951	10173.095	33.574	163.0	8.6	NO		NO	bb
5	5 171129M1_7	Standard	150.000	6.23	28721.105	10945.159	32.801	159.2	6.1	NO		NO	bb
6	6 171129M1_8	Standard	150.000	6.23	27768.588	12044.093	28.820	139.9	-6.7	NO		NO	bb
7	7 171129M1_9	Standard	150.000	6.23	27221.459	9068.287	37.523	182.1	21.4	NO		NO	bb
8	8 171129M1_10	Standard	150.000	6.23	25919.607	10116.366	32.027	155.5	3.6	NO		NO	bb
9	9 171129M1_11	Standard	150.000	6.23	28346.143	10167.032	34.851	169.2	12.8	NO		NO	bb

Compound name: 13C2-PFHxDA
Response Factor: 0.845083
RRF SD: 0.153789, Relative SD: 18.1981
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	5.000	6.68	3692.947	16233.315	2.844	3.4	-32.7	NO		NO	bb
2	2 171129M1_4	Standard	5.000	6.67	3787.407	13047.962	3.628	4.3	-14.1	NO		NO	bb
3	3 171129M1_5	Standard	5.000	6.68	4002.149	10970.057	4.560	5.4	7.9	NO		NO	bb
4	4 171129M1_6	Standard	5.000	6.67	3821.571	10173.095	4.696	5.6	11.1	NO		NO	bb
5	5 171129M1_7	Standard	5.000	6.67	3718.132	10945.159	4.246	5.0	0.5	NO		NO	bb
6	6 171129M1_8	Standard	5.000	6.67	3466.435	12044.093	3.598	4.3	-14.9	NO		NO	bb
7	7 171129M1_9	Standard	5.000	6.67	3728.271	9068.287	5.139	6.1	21.6	NO		NO	bb
8	8 171129M1_10	Standard	5.000	6.67	3355.362	10116.366	4.146	4.9	-1.9	NO		NO	bb
9	9 171129M1_11	Standard	5.000	6.66	4206.440	10167.032	5.172	6.1	22.4	NO		NO	bb

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:51:17 Pacific Standard Time

Compound name: d7-N-MeFOSE
Response Factor: 0.190006
RRF SD: 0.025517, Relative SD: 13.4296
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	150.000	6.31	19713.309	16233.315	15.180	79.9	-46.7	NO		NO	bbX
2	2 171129M1_4	Standard	150.000	6.31	25841.721	13047.962	24.756	130.3	-13.1	NO		NO	bb
3	3 171129M1_5	Standard	150.000	6.31	24101.766	10970.057	27.463	144.5	-3.6	NO		NO	bb
4	4 171129M1_6	Standard	150.000	6.31	21441.861	10173.095	26.346	138.7	-7.6	NO		NO	bb
5	5 171129M1_7	Standard	150.000	6.31	23103.166	10945.159	26.385	138.9	-7.4	NO		NO	bb
6	6 171129M1_8	Standard	150.000	6.31	24649.609	12044.093	25.583	134.6	-10.2	NO		NO	bb
7	7 171129M1_9	Standard	150.000	6.31	26223.775	9068.287	36.148	190.2	26.8	NO		NO	bb
8	8 171129M1_10	Standard	150.000	6.31	24007.137	10116.366	29.664	156.1	4.1	NO		NO	bb
9	9 171129M1_11	Standard	150.000	6.31	25752.828	10167.032	31.662	166.6	11.1	NO		NO	bb

Compound name: d9-N-EtFOSE
Response Factor: 0.188936
RRF SD: 0.0361503, Relative SD: 19.1337
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	150.000	6.46	19837.904	16233.315	15.276	80.9	-46.1	NO		NO	bbX
2	2 171129M1_4	Standard	150.000	6.46	22196.850	13047.962	21.265	112.5	-25.0	NO		NO	bb
3	3 171129M1_5	Standard	150.000	6.46	26309.732	10970.057	29.979	158.7	5.8	NO		NO	bb
4	4 171129M1_6	Standard	150.000	6.46	24522.330	10173.095	30.131	159.5	6.3	NO		NO	bb
5	5 171129M1_7	Standard	150.000	6.46	23324.711	10945.159	26.638	141.0	-6.0	NO		NO	bb
6	6 171129M1_8	Standard	150.000	6.46	22773.920	12044.093	23.636	125.1	-16.6	NO		NO	bd
7	7 171129M1_9	Standard	150.000	6.46	21672.719	9068.287	29.874	158.1	5.4	NO		NO	bb
8	8 171129M1_10	Standard	150.000	6.46	21069.773	10116.366	26.034	137.8	-8.1	NO		NO	bb
9	9 171129M1_11	Standard	150.000	6.46	31855.234	10167.032	39.165	207.3	38.2	NO		NO	bb

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:51:17 Pacific Standard Time

Compound name: 13C4-PFBA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	12.500	1.67	11865.462	11865.462	12.500	12.5	0.0	NO		NO	bb
2	2 171129M1_4	Standard	12.500	1.68	11874.940	11874.940	12.500	12.5	0.0	NO		NO	bb
3	3 171129M1_5	Standard	12.500	1.68	12812.999	12812.999	12.500	12.5	0.0	NO		NO	bb
4	4 171129M1_6	Standard	12.500	1.67	11989.588	11989.588	12.500	12.5	0.0	NO		NO	bb
5	5 171129M1_7	Standard	12.500	1.67	12278.179	12278.179	12.500	12.5	0.0	NO		NO	bb
6	6 171129M1_8	Standard	12.500	1.67	12579.862	12579.862	12.500	12.5	0.0	NO		NO	bb
7	7 171129M1_9	Standard	12.500	1.67	11788.488	11788.488	12.500	12.5	0.0	NO		NO	bb
8	8 171129M1_10	Standard	12.500	1.67	11303.944	11303.944	12.500	12.5	0.0	NO		NO	bb
9	9 171129M1_11	Standard	12.500	1.66	13469.720	13469.720	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C5-PFHxA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	12.500	3.42	17527.582	17527.582	12.500	12.5	0.0	NO		NO	bb
2	2 171129M1_4	Standard	12.500	3.42	16614.797	16614.797	12.500	12.5	0.0	NO		NO	bb
3	3 171129M1_5	Standard	12.500	3.42	19198.879	19198.879	12.500	12.5	0.0	NO		NO	bb
4	4 171129M1_6	Standard	12.500	3.42	17227.559	17227.559	12.500	12.5	0.0	NO		NO	bb
5	5 171129M1_7	Standard	12.500	3.42	19085.348	19085.348	12.500	12.5	0.0	NO		NO	bb
6	6 171129M1_8	Standard	12.500	3.42	17451.930	17451.930	12.500	12.5	0.0	NO		NO	bb
7	7 171129M1_9	Standard	12.500	3.42	15926.490	15926.490	12.500	12.5	0.0	NO		NO	bb
8	8 171129M1_10	Standard	12.500	3.41	16211.024	16211.024	12.500	12.5	0.0	NO		NO	bb
9	9 171129M1_11	Standard	12.500	3.41	18074.793	18074.793	12.500	12.5	0.0	NO		NO	bb

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:51:17 Pacific Standard Time

Compound name: 13C3-PFHxS
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 56), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	12.500	4.19	3190.040	3190.040	12.500	12.5	0.0	NO		NO	bb
2	2 171129M1_4	Standard	12.500	4.19	3400.355	3400.355	12.500	12.5	0.0	NO		NO	bb
3	3 171129M1_5	Standard	12.500	4.19	3242.058	3242.058	12.500	12.5	0.0	NO		NO	bb
4	4 171129M1_6	Standard	12.500	4.19	3217.358	3217.358	12.500	12.5	0.0	NO		NO	bb
5	5 171129M1_7	Standard	12.500	4.19	3195.473	3195.473	12.500	12.5	0.0	NO		NO	bb
6	6 171129M1_8	Standard	12.500	4.19	3077.196	3077.196	12.500	12.5	0.0	NO		NO	bb
7	7 171129M1_9	Standard	12.500	4.19	3391.146	3391.146	12.500	12.5	0.0	NO		NO	bb
8	8 171129M1_10	Standard	12.500	4.18	3229.512	3229.512	12.500	12.5	0.0	NO		NO	bb
9	9 171129M1_11	Standard	12.500	4.18	2934.821	2934.821	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C8-PFOA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	12.500	4.56	13657.533	13657.533	12.500	12.5	0.0	NO		NO	bb
2	2 171129M1_4	Standard	12.500	4.57	11294.119	11294.119	12.500	12.5	0.0	NO		NO	bb
3	3 171129M1_5	Standard	12.500	4.56	14211.829	14211.829	12.500	12.5	0.0	NO		NO	bb
4	4 171129M1_6	Standard	12.500	4.57	13179.963	13179.963	12.500	12.5	0.0	NO		NO	bb
5	5 171129M1_7	Standard	12.500	4.56	11845.208	11845.208	12.500	12.5	0.0	NO		NO	bb
6	6 171129M1_8	Standard	12.500	4.56	12874.272	12874.272	12.500	12.5	0.0	NO		NO	bb
7	7 171129M1_9	Standard	12.500	4.56	11637.163	11637.163	12.500	12.5	0.0	NO		NO	bb
8	8 171129M1_10	Standard	12.500	4.56	12120.377	12120.377	12.500	12.5	0.0	NO		NO	bb
9	9 171129M1_11	Standard	12.500	4.56	13559.068	13559.068	12.500	12.5	0.0	NO		NO	bb

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:51:17 Pacific Standard Time

Compound name: 13C9-PFNA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	12.500	4.99	17131.033	17131.033	12.500	12.5	0.0	NO		NO	bb
2	2 171129M1_4	Standard	12.500	4.99	16122.105	16122.105	12.500	12.5	0.0	NO		NO	bb
3	3 171129M1_5	Standard	12.500	4.99	17869.934	17869.934	12.500	12.5	0.0	NO		NO	bb
4	4 171129M1_6	Standard	12.500	4.99	16293.718	16293.718	12.500	12.5	0.0	NO		NO	bb
5	5 171129M1_7	Standard	12.500	4.99	12927.612	12927.612	12.500	12.5	0.0	NO		NO	bb
6	6 171129M1_8	Standard	12.500	4.99	14529.750	14529.750	12.500	12.5	0.0	NO		NO	bb
7	7 171129M1_9	Standard	12.500	4.99	13679.578	13679.578	12.500	12.5	0.0	NO		NO	bb
8	8 171129M1_10	Standard	12.500	4.98	14152.747	14152.747	12.500	12.5	0.0	NO		NO	bb
9	9 171129M1_11	Standard	12.500	4.99	14327.772	14327.772	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C4-PFOS
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	12.500	5.07	4275.171	4275.171	12.500	12.5	0.0	NO		NO	bb
2	2 171129M1_4	Standard	12.500	5.08	3213.588	3213.588	12.500	12.5	0.0	NO		NO	bb
3	3 171129M1_5	Standard	12.500	5.07	3777.932	3777.932	12.500	12.5	0.0	NO		NO	bb
4	4 171129M1_6	Standard	12.500	5.07	3294.688	3294.688	12.500	12.5	0.0	NO		NO	bb
5	5 171129M1_7	Standard	12.500	5.07	4001.201	4001.201	12.500	12.5	0.0	NO		NO	bb
6	6 171129M1_8	Standard	12.500	5.07	3464.947	3464.947	12.500	12.5	0.0	NO		NO	bb
7	7 171129M1_9	Standard	12.500	5.07	4046.930	4046.930	12.500	12.5	0.0	NO		NO	bb
8	8 171129M1_10	Standard	12.500	5.07	3018.163	3018.163	12.500	12.5	0.0	NO		NO	bb
9	9 171129M1_11	Standard	12.500	5.07	4052.118	4052.118	12.500	12.5	0.0	NO		NO	bb

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:51:17 Pacific Standard Time

Compound name: 13C6-PFDA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 60), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	12.500	5.37	9374.218	9374.218	12.500	12.5	0.0	NO		NO	bb
2	2 171129M1_4	Standard	12.500	5.37	6107.150	6107.150	12.500	12.5	0.0	NO		NO	bb
3	3 171129M1_5	Standard	12.500	5.36	7283.623	7283.623	12.500	12.5	0.0	NO		NO	bb
4	4 171129M1_6	Standard	12.500	5.36	6470.476	6470.476	12.500	12.5	0.0	NO		NO	bd
5	5 171129M1_7	Standard	12.500	5.36	7641.693	7641.693	12.500	12.5	0.0	NO		NO	bb
6	6 171129M1_8	Standard	12.500	5.36	7535.401	7535.401	12.500	12.5	0.0	NO		NO	bb
7	7 171129M1_9	Standard	12.500	5.36	5739.404	5739.404	12.500	12.5	0.0	NO		NO	bb
8	8 171129M1_10	Standard	12.500	5.36	5510.067	5510.067	12.500	12.5	0.0	NO		NO	bb
9	9 171129M1_11	Standard	12.500	5.36	7058.398	7058.398	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C7-PFUdA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171129M1_3	Standard	12.500	5.69	16233.315	16233.315	12.500	12.5	0.0	NO		NO	bb
2	2 171129M1_4	Standard	12.500	5.69	13047.962	13047.962	12.500	12.5	0.0	NO		NO	bb
3	3 171129M1_5	Standard	12.500	5.69	10970.057	10970.057	12.500	12.5	0.0	NO		NO	bb
4	4 171129M1_6	Standard	12.500	5.68	10173.095	10173.095	12.500	12.5	0.0	NO		NO	bb
5	5 171129M1_7	Standard	12.500	5.68	10945.159	10945.159	12.500	12.5	0.0	NO		NO	bb
6	6 171129M1_8	Standard	12.500	5.68	12044.093	12044.093	12.500	12.5	0.0	NO		NO	bb
7	7 171129M1_9	Standard	12.500	5.67	9068.287	9068.287	12.500	12.5	0.0	NO		NO	bb
8	8 171129M1_10	Standard	12.500	5.67	10116.366	10116.366	12.500	12.5	0.0	NO		NO	bb
9	9 171129M1_11	Standard	12.500	5.68	10167.032	10167.032	12.500	12.5	0.0	NO		NO	bb

Quantify Compound Summary Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Thursday, November 30, 2017 08:39:43 Pacific Standard Time
Printed: Thursday, November 30, 2017 08:48:30 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_112917.mdb 29 Nov 2017 15:16:56
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-29-17_FULL.cdb 29 Nov 2017 15:34:31

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	171129M1_2	IPA	29-Nov-17	12:07:41
2	171129M1_3	ST171129M1-1 PFC CS-2 17K2806	29-Nov-17	12:41:51
3	171129M1_4	ST171129M1-2 PFC CS-1 17K2807	29-Nov-17	12:53:04
4	171129M1_5	ST171129M1-3 PFC CS0 17K2808	29-Nov-17	13:04:15
5	171129M1_6	ST171129M1-4 PFC CS1 17K2814	29-Nov-17	13:15:26
6	171129M1_7	ST171129M1-5 PFC CS2 17K2809	29-Nov-17	13:26:37
7	171129M1_8	ST171129M1-6 PFC CS3 17K2810	29-Nov-17	13:37:47
8	171129M1_9	ST171129M1-7 PFC CS4 17K2811	29-Nov-17	13:48:58
9	171129M1_10	ST171129M1-8 PFC CS5 17K2812	29-Nov-17	14:00:09
10	171129M1_11	ST171129M1-9 PFC CS6 17K2817	29-Nov-17	14:11:20
11	171129M1_12	ST171129M1-10 PFC CS7 17K2818	29-Nov-17	14:22:31
12	171129M1_13	IPA	29-Nov-17	14:33:41
13	171129M1_14	ICV171129M1-1 PFC ICV 17K2813	29-Nov-17	14:44:52
14	171129M1_15	IPA	29-Nov-17	14:56:02

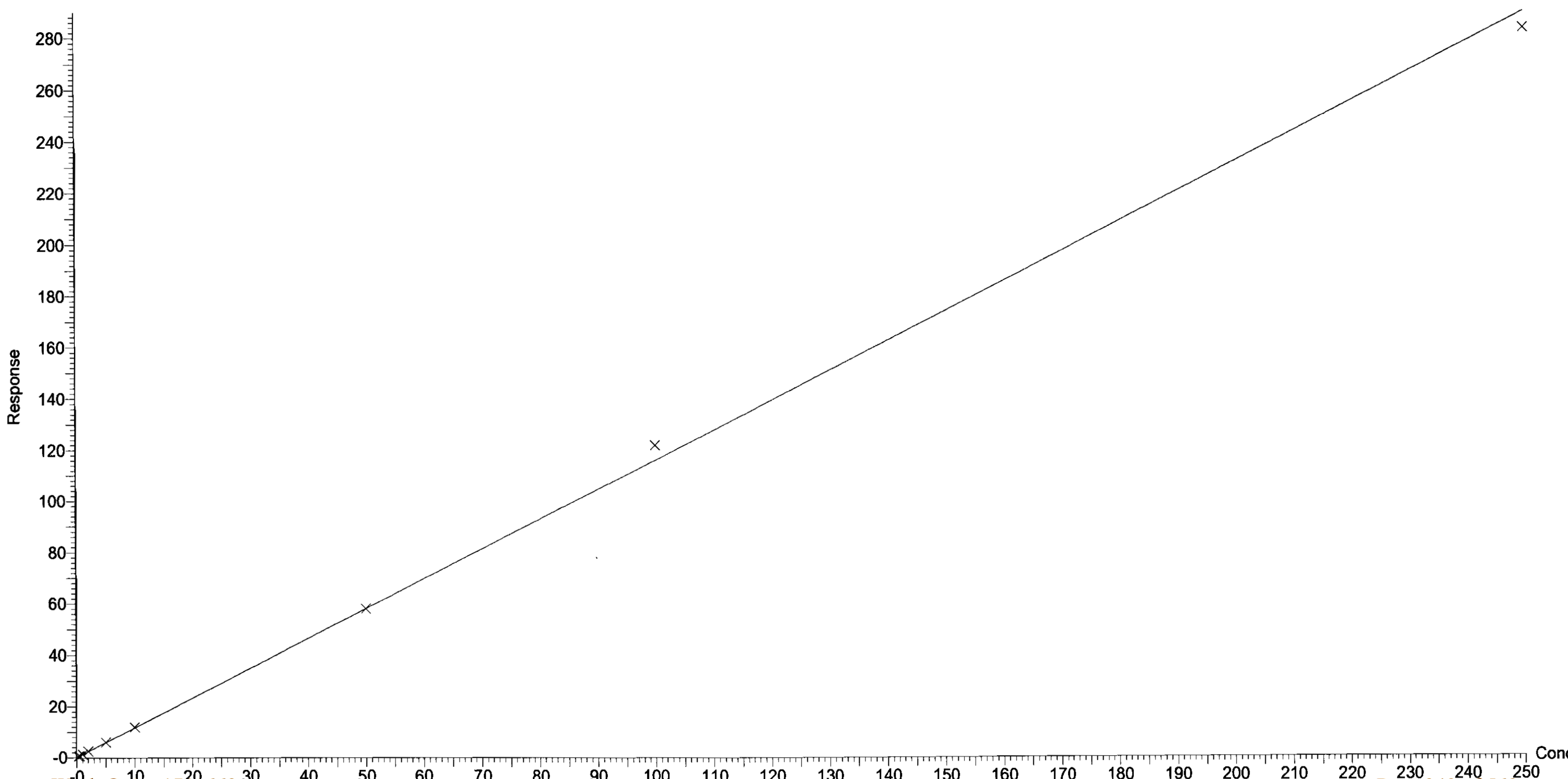
Quantify Calibration Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory Q1

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:48:35 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_112917.mdb 29 Nov 2017 15:16:56
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-29-17_FULL.cdb 29 Nov 2017 15:34:31

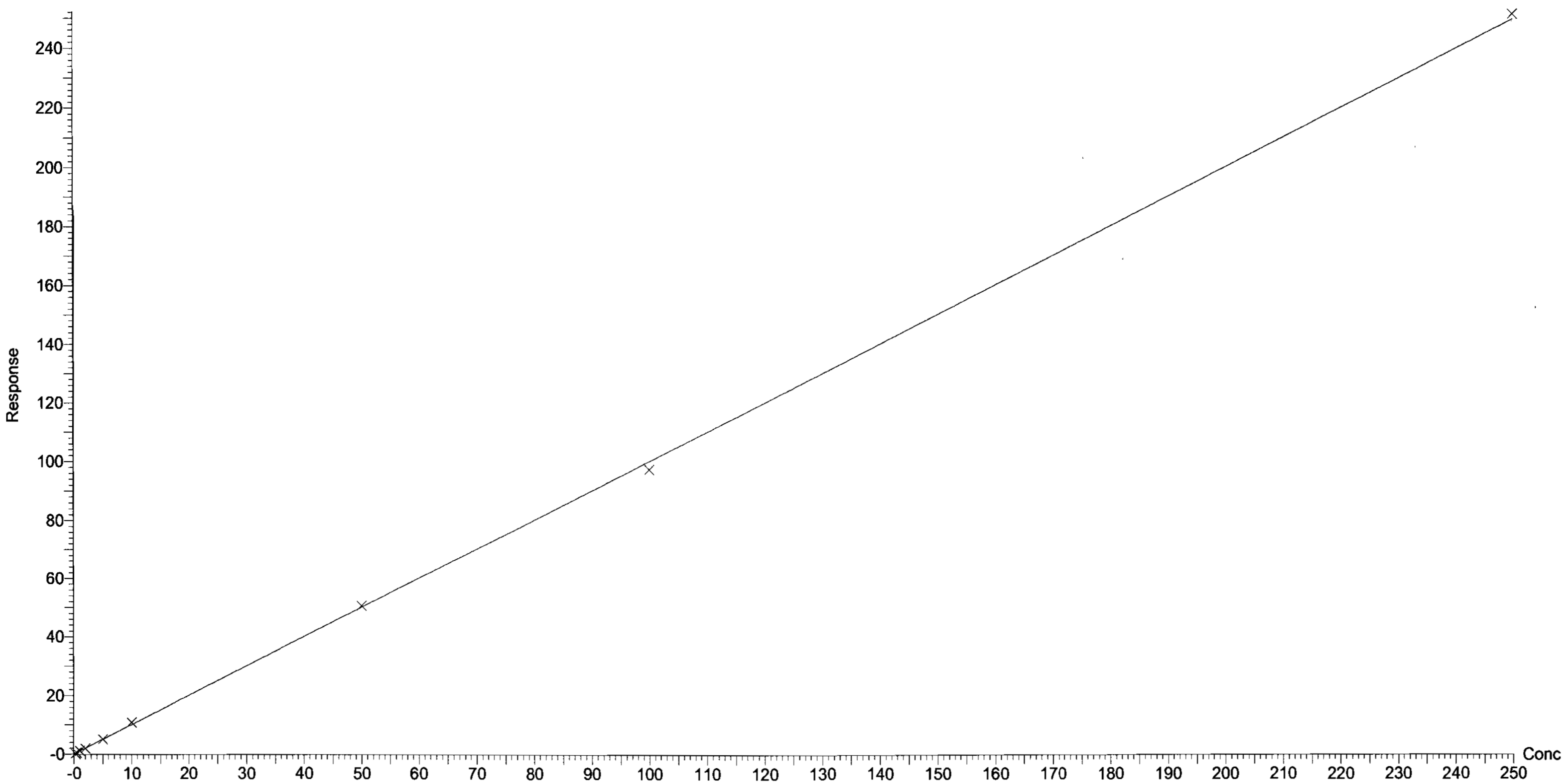
Compound name: PFBA
Correlation coefficient: r = 0.999508, r^2 = 0.999015
Calibration curve: 1.15898 * x + 0.0414509
Response type: Internal Std (Ref 31), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:48:35 Pacific Standard Time

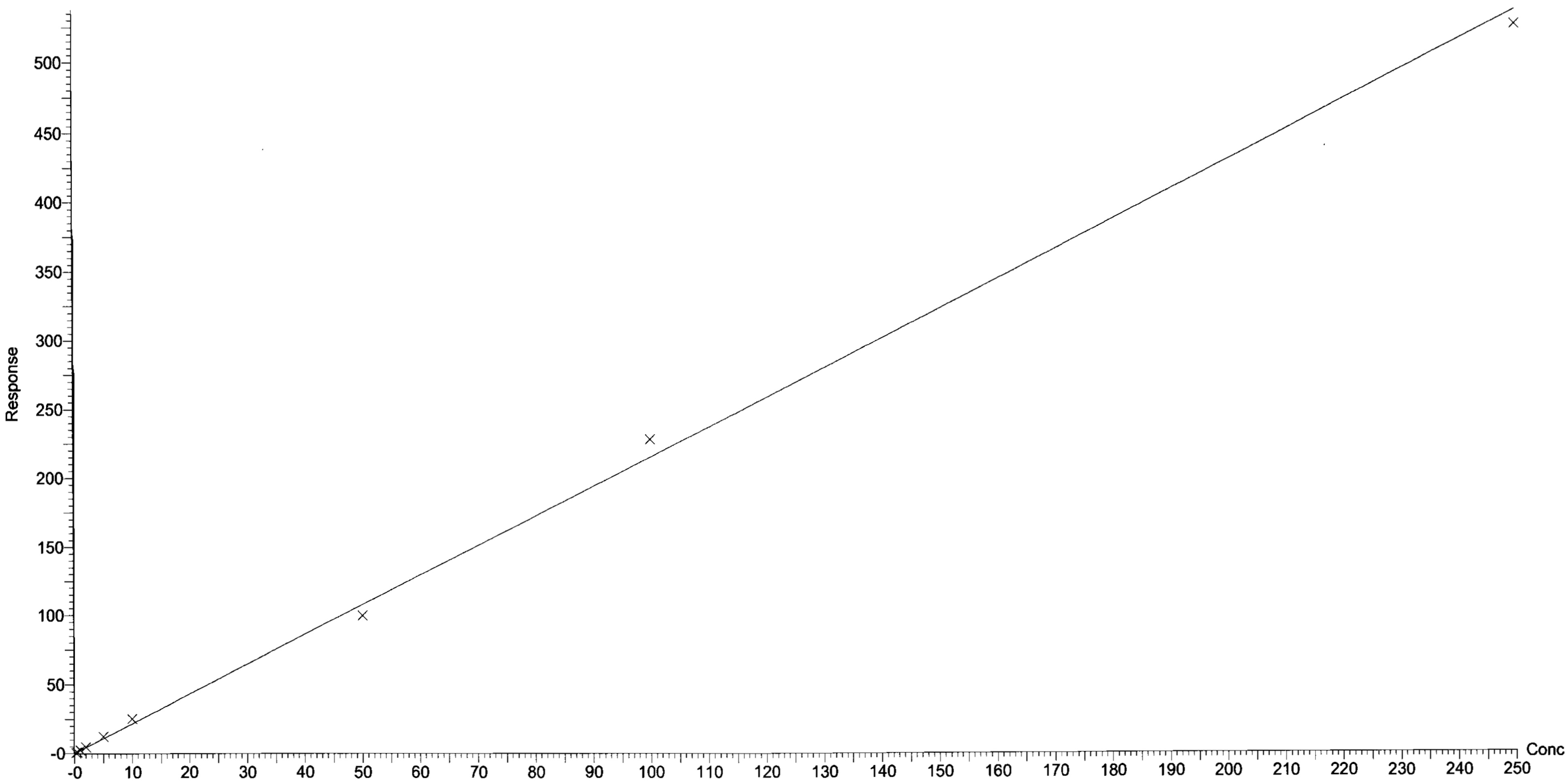
Compound name: PFPeA
Correlation coefficient: r = 0.999816, r^2 = 0.999632
Calibration curve: 1.00148 * x + 0.0457571
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:48:35 Pacific Standard Time

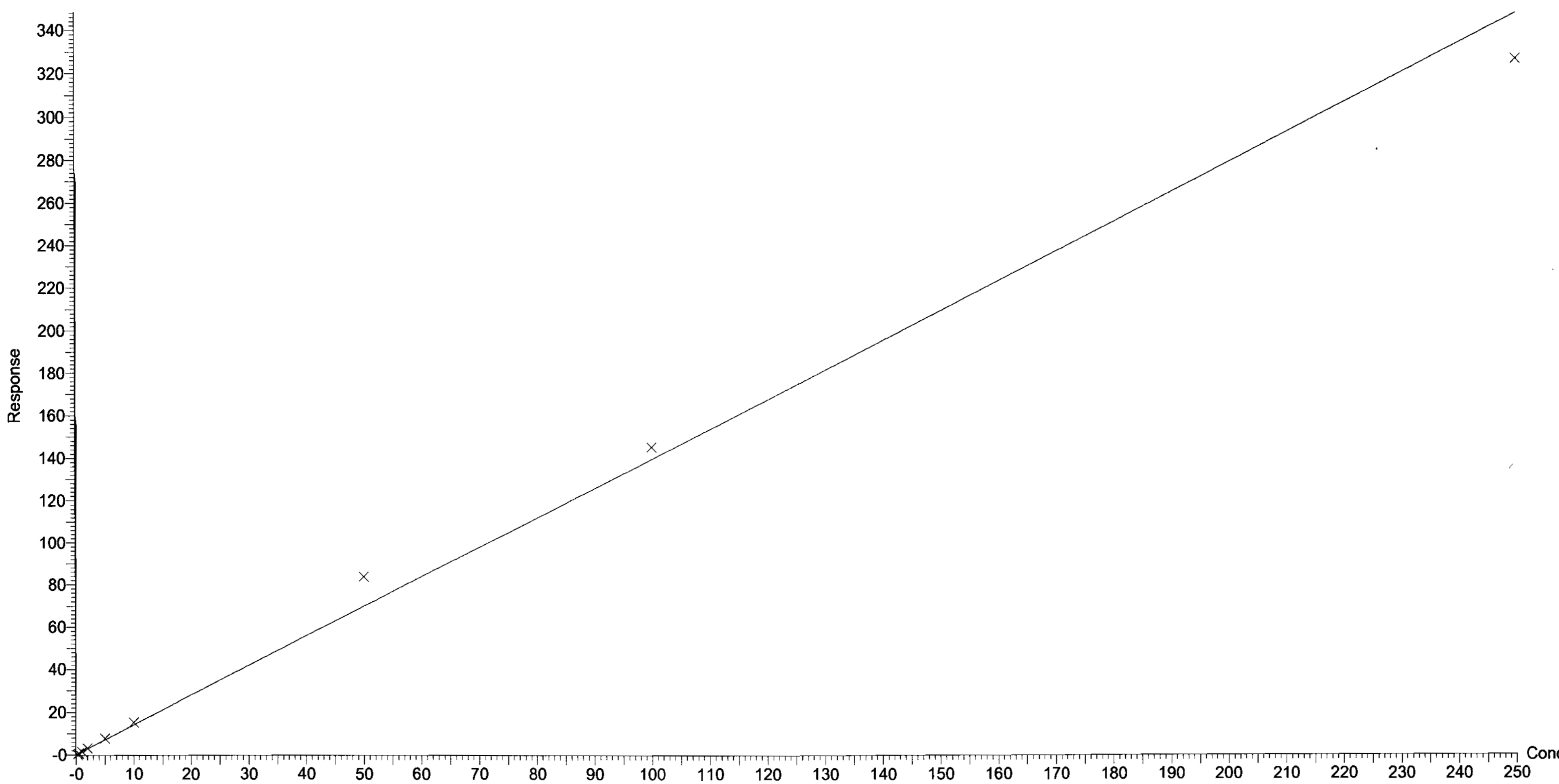
Compound name: PFBS
Correlation coefficient: r = 0.998597, r^2 = 0.997196
Calibration curve: 2.14976 * x + 0.0539982
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:48:35 Pacific Standard Time

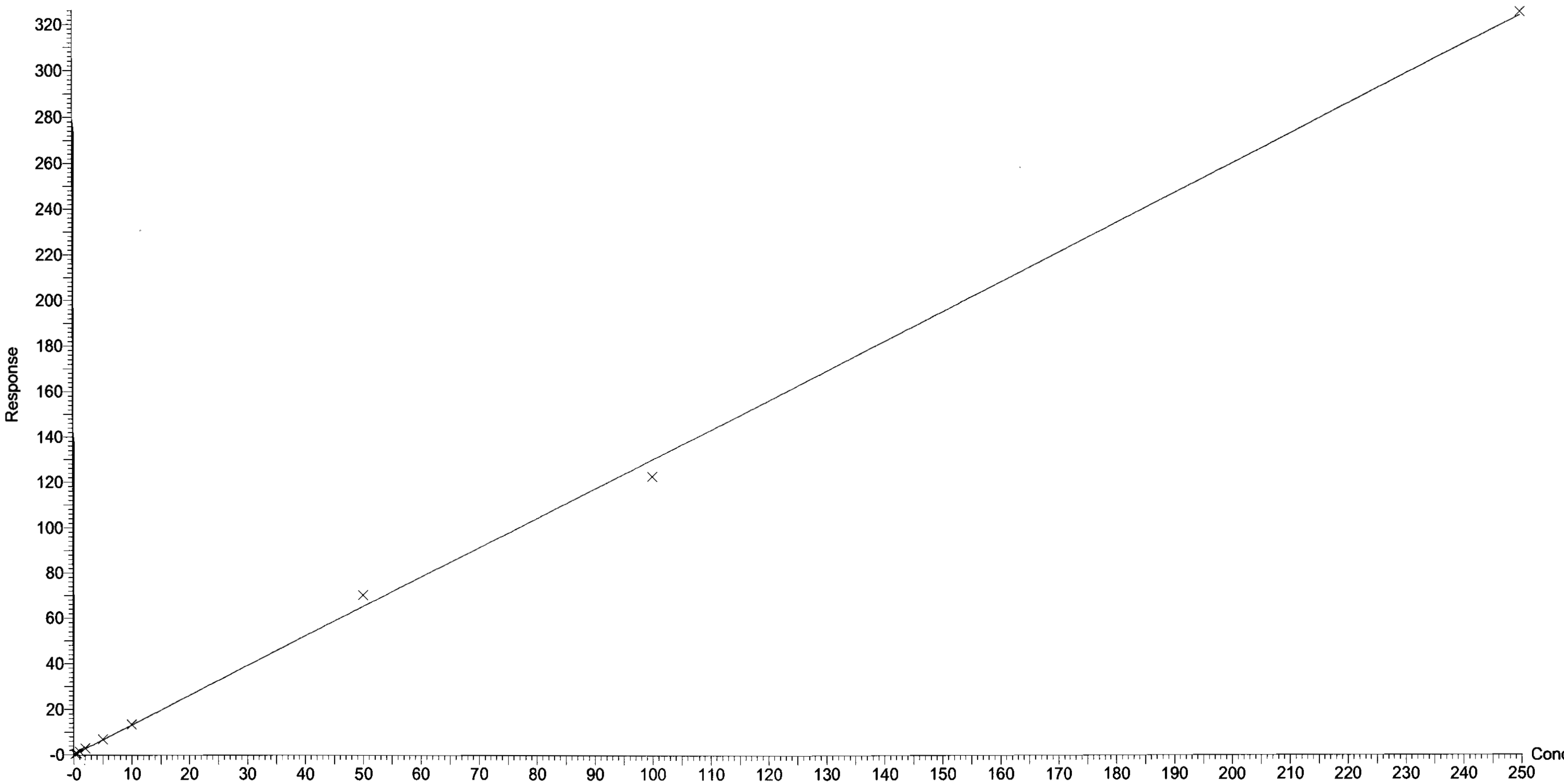
Compound name: PFHxA
Correlation coefficient: r = 0.996064, r^2 = 0.992143
Calibration curve: 1.39273 * x + 0.142145
Response type: Internal Std (Ref 34), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:48:35 Pacific Standard Time

Compound name: PFHpA
Correlation coefficient: r = 0.999180, r^2 = 0.998360
Calibration curve: 1.29837 * x + 0.120189
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

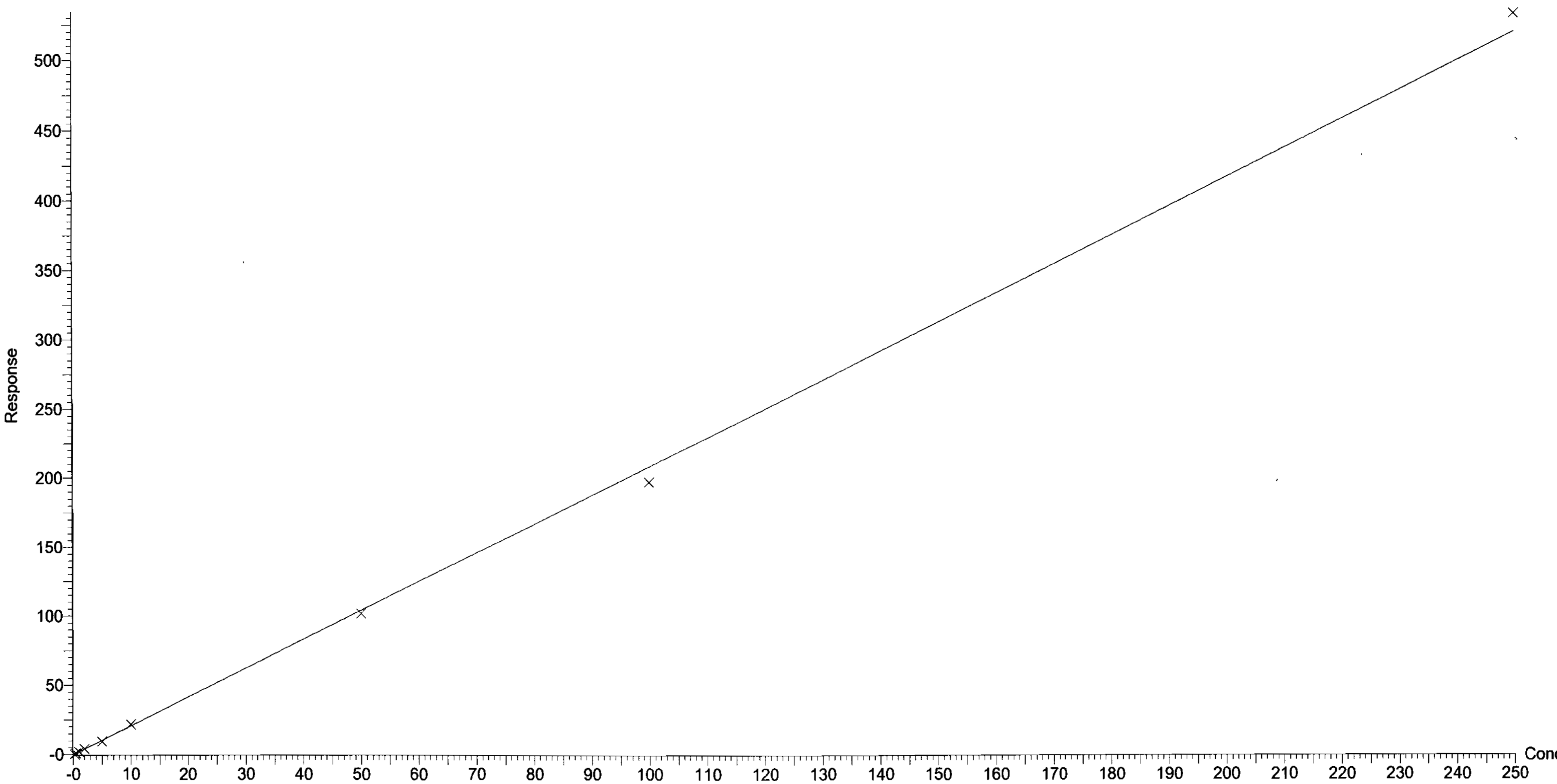


Vista Analytical Laboratory Q1

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:48:35 Pacific Standard Time

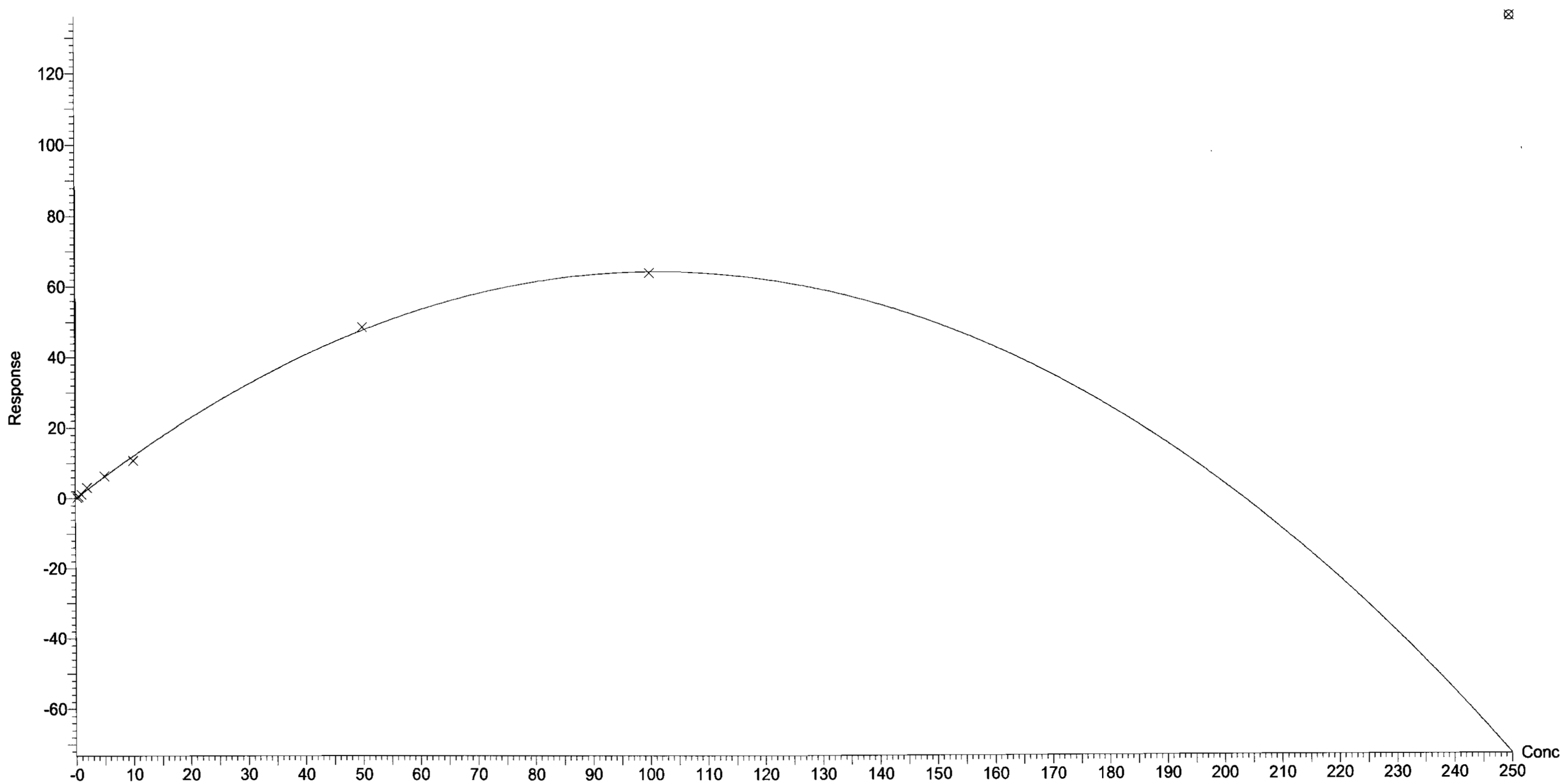
Compound name: L-PFHxS
Correlation coefficient: r = 0.999347, r^2 = 0.998695
Calibration curve: 2.08616 * x + -0.165735
Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:48:35 Pacific Standard Time

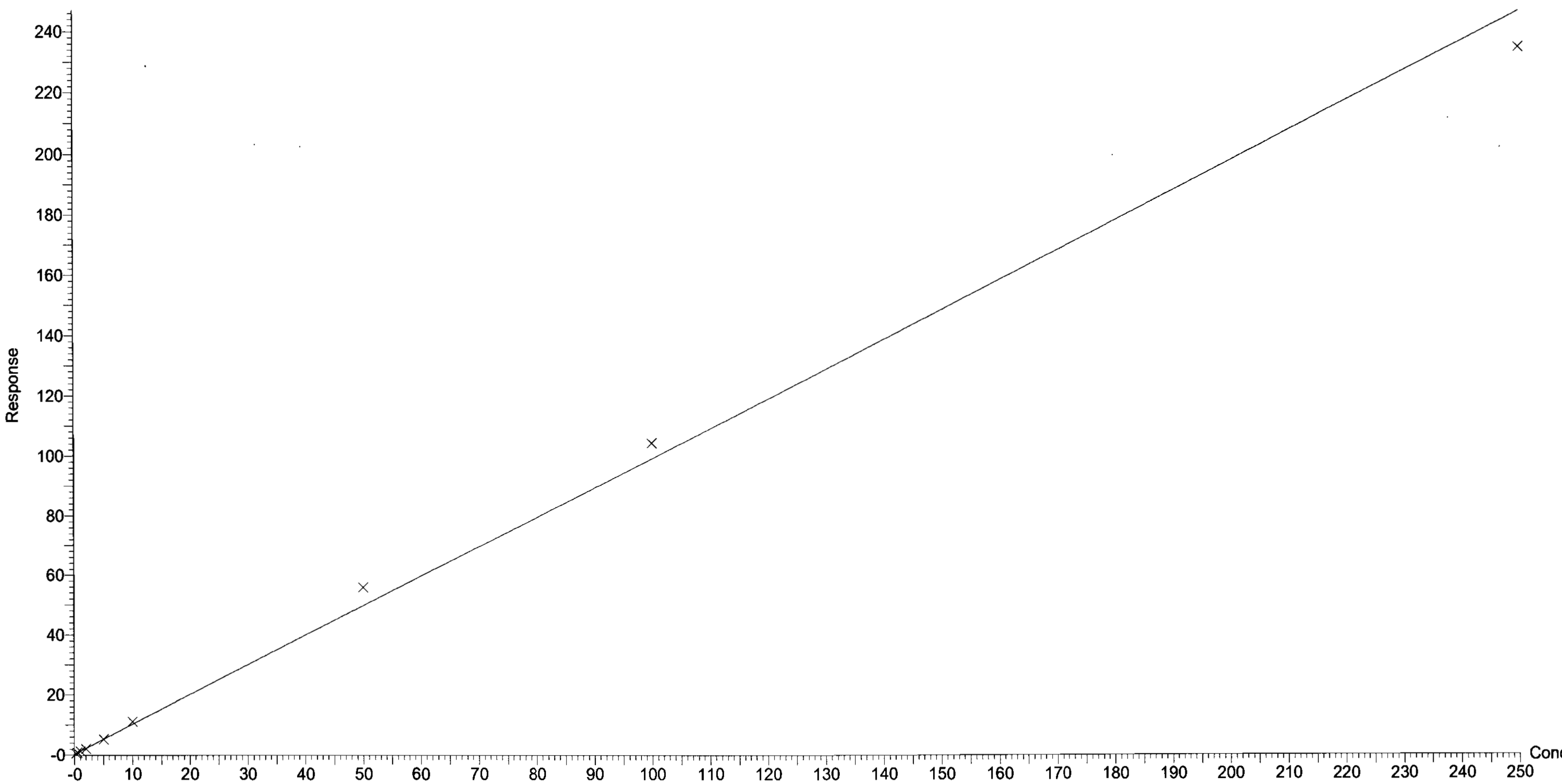
Compound name: 6:2 FTS
Coefficient of Determination: R^2 = 0.996062
Calibration curve: -0.0062313 * x^2 + 1.26558 * x + -0.013514
Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:48:35 Pacific Standard Time

Compound name: L-PFOA
Correlation coefficient: r = 0.997917, r^2 = 0.995838
Calibration curve: 0.987188 * x + 0.279034
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

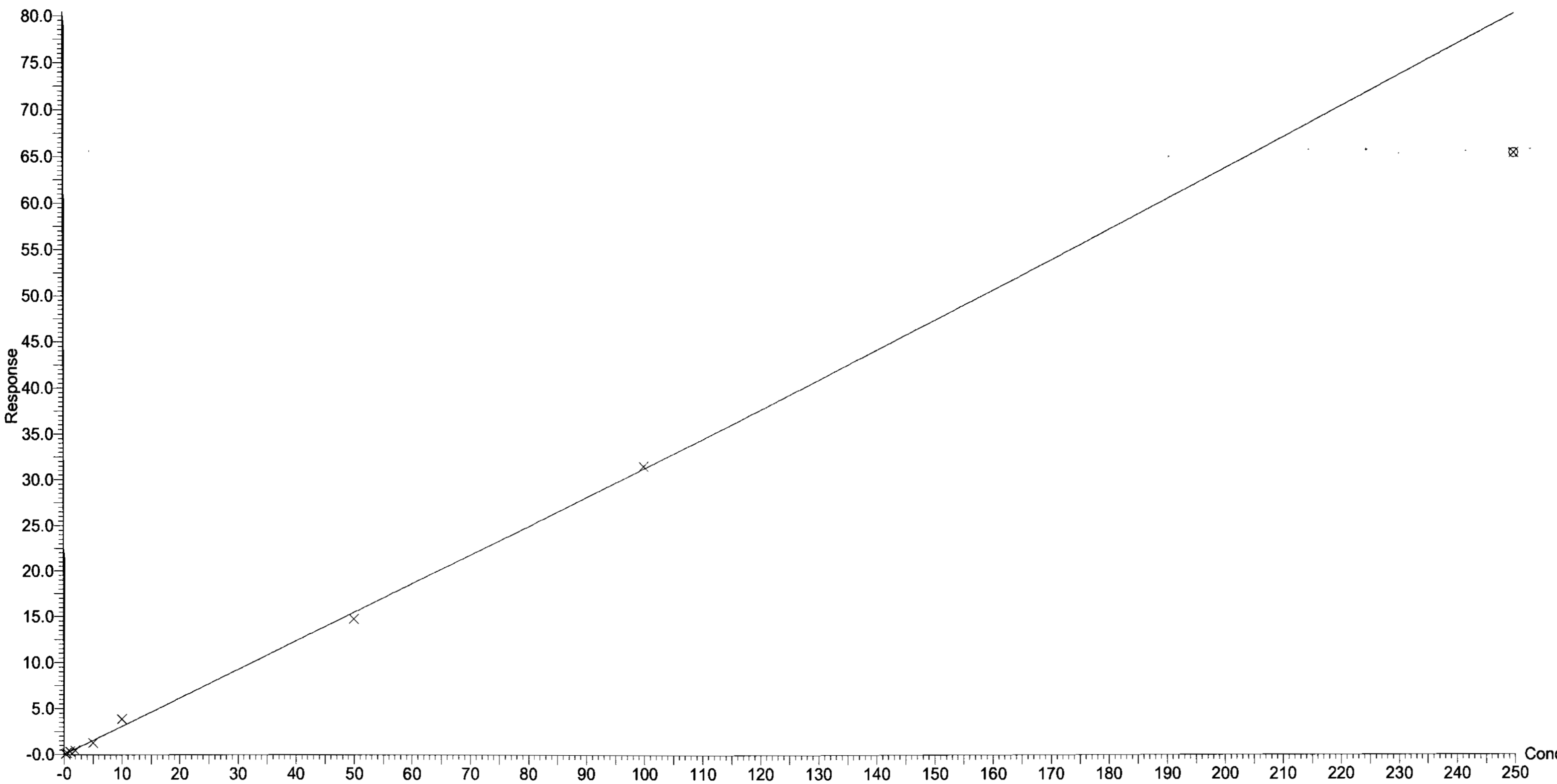


Vista Analytical Laboratory Q1

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:48:35 Pacific Standard Time

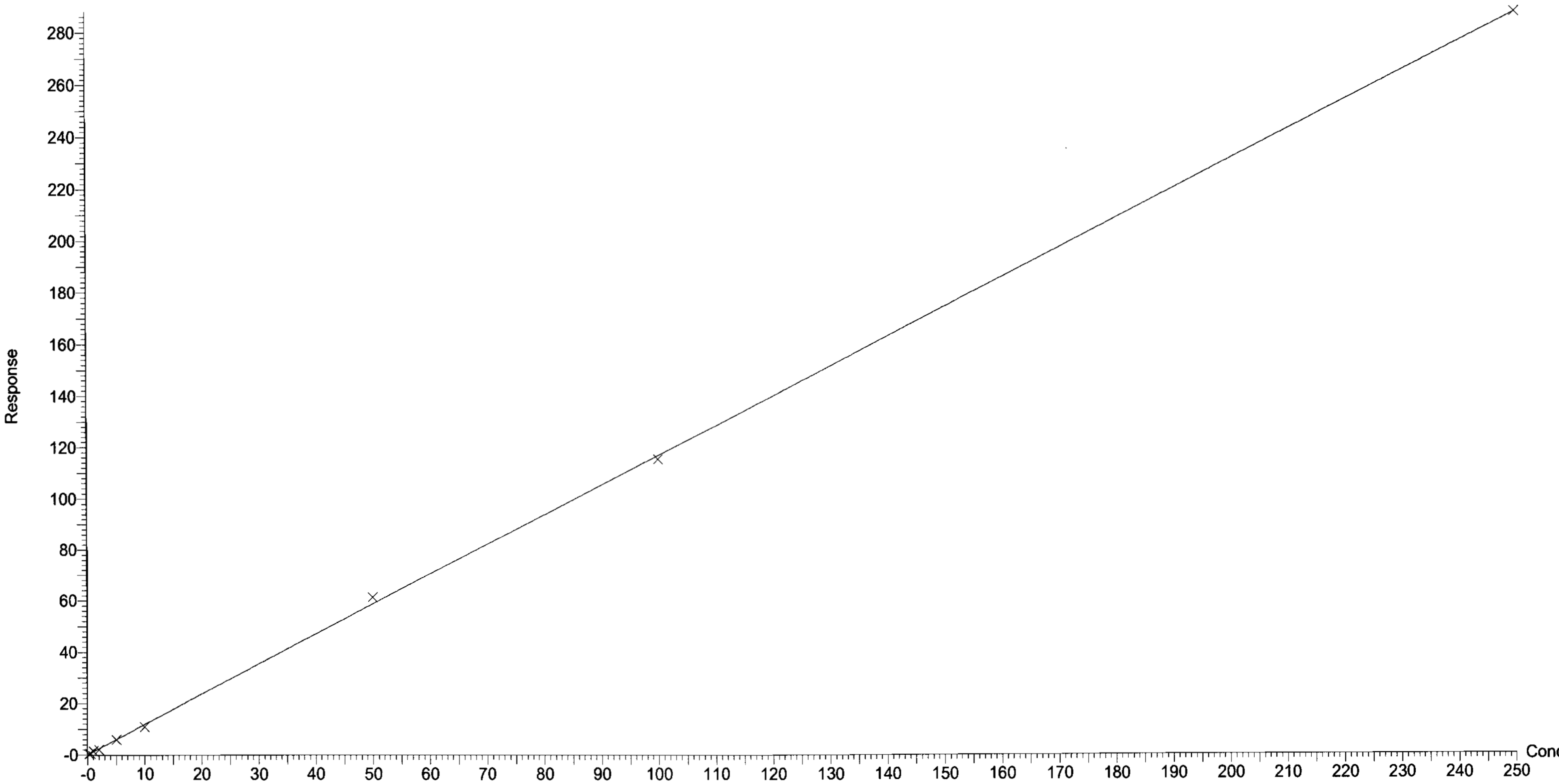
Compound name: PFHpS
Coefficient of Determination: R^2 = 0.993567
Calibration curve: 6.47067e-005 * x^2 + 0.305514 * x + 0.00123248
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:48:35 Pacific Standard Time

Compound name: PFNA
Coefficient of Determination: R^2 = 0.999299
Calibration curve: -0.000106525 * x^2 + 1.17752 * x + 0.0425177
Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

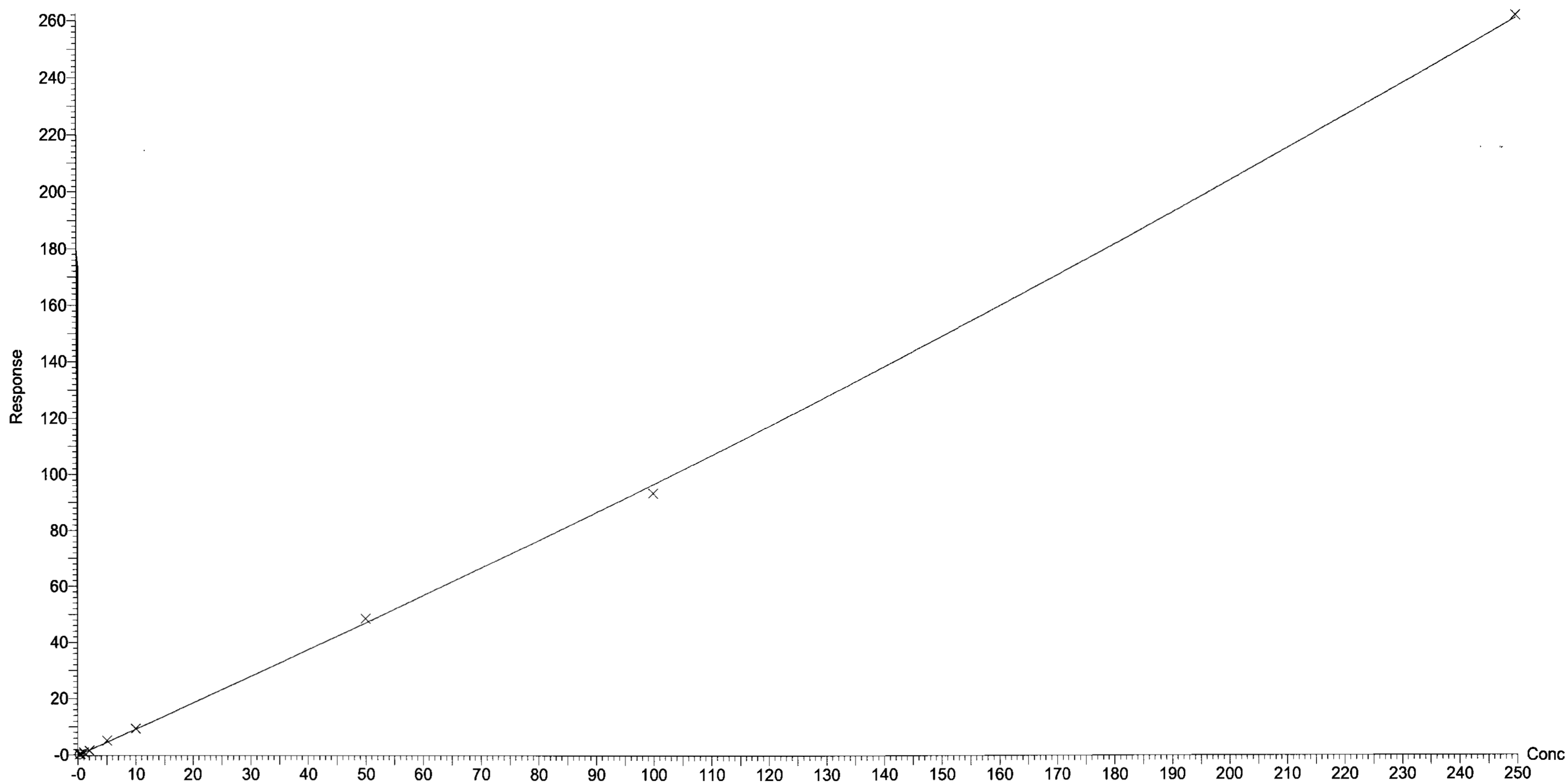


Vista Analytical Laboratory Q1

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:48:35 Pacific Standard Time

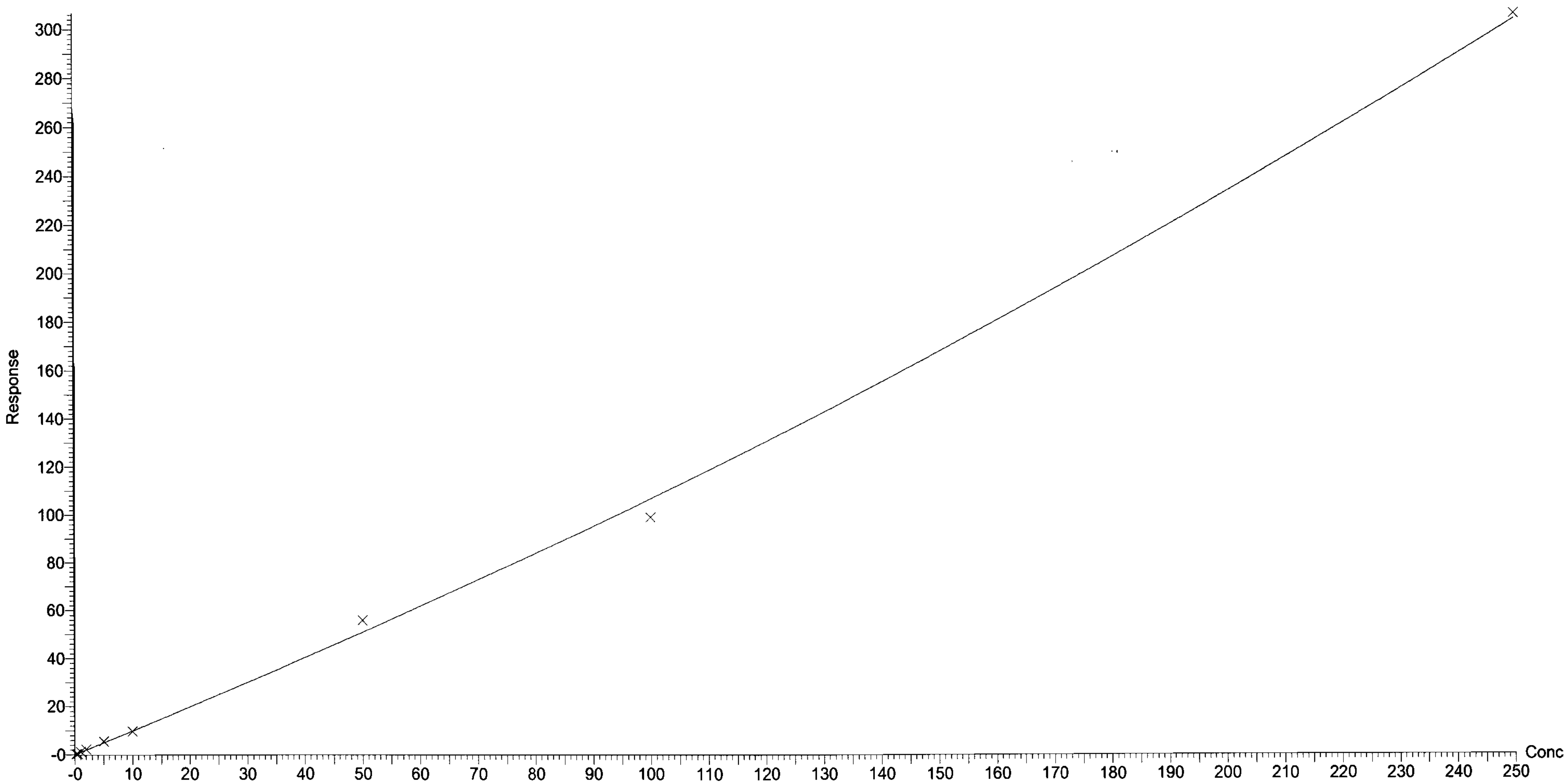
Compound name: PFOSA
Coefficient of Determination: R^2 = 0.999382
Calibration curve: 0.000539741 * x^2 + 0.910636 * x + -0.046689
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:48:35 Pacific Standard Time

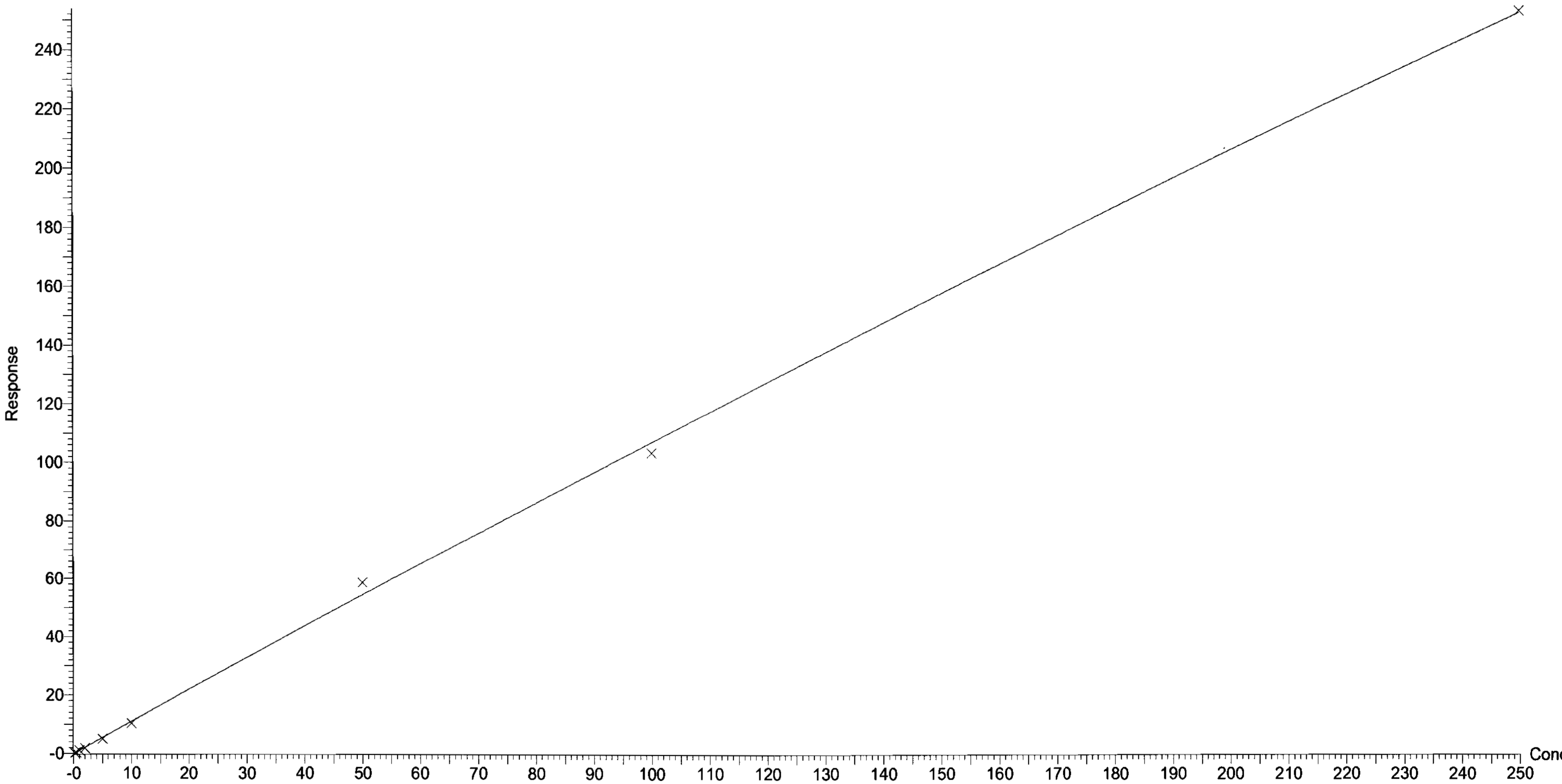
Compound name: L-PFOS
Coefficient of Determination: R^2 = 0.997694
Calibration curve: 0.00101278 * x^2 + 0.964953 * x + 0.0558734
Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:48:35 Pacific Standard Time

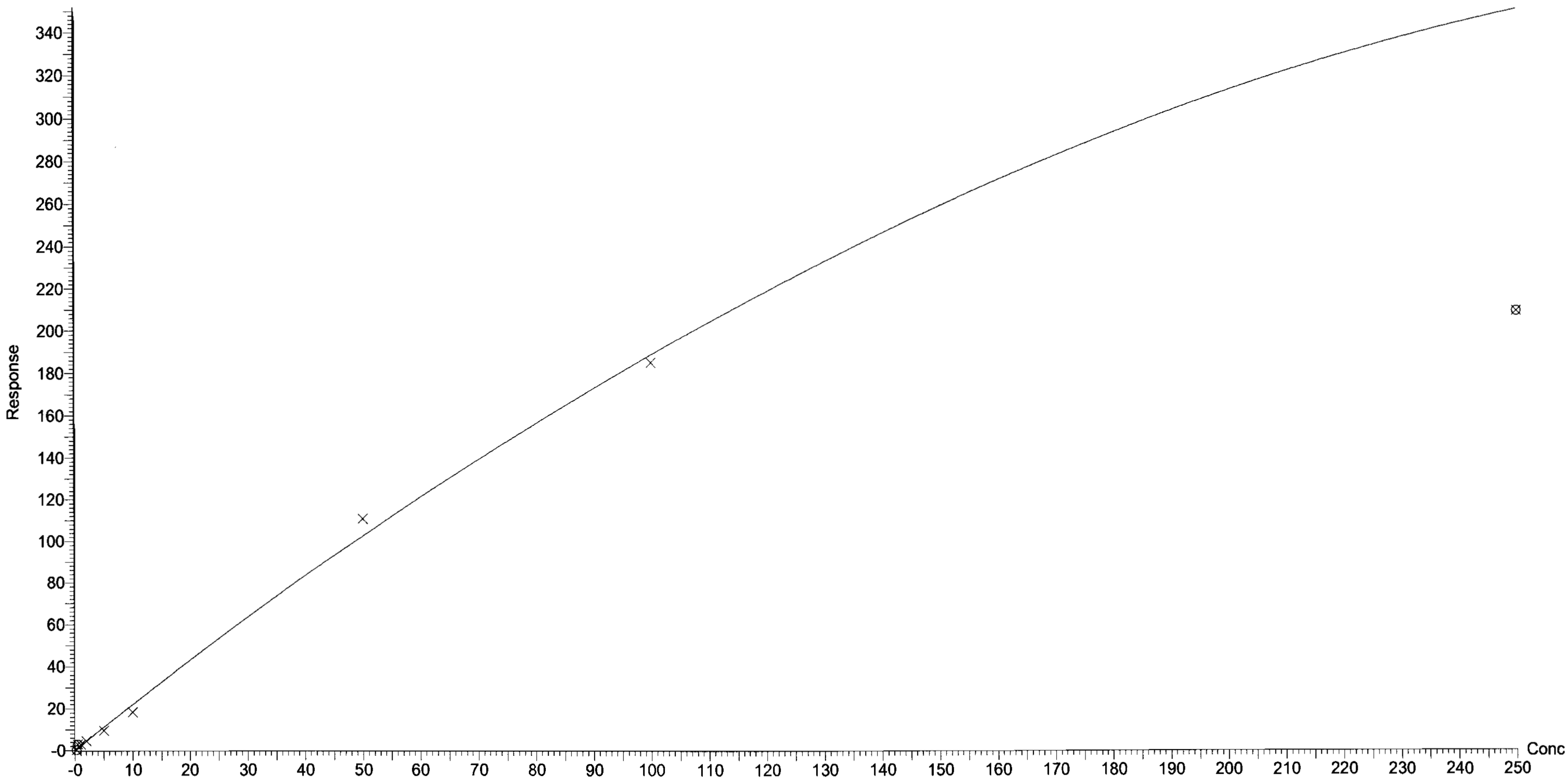
Compound name: PFDA
Coefficient of Determination: R^2 = 0.998653
Calibration curve: -0.000387953 * x^2 + 1.10998 * x + -0.131029
Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:48:35 Pacific Standard Time

Compound name: 8:2 FTS
Coefficient of Determination: R^2 = 0.993779
Calibration curve: -0.00320506 * x^2 + 2.20751 * x + 0.194523
Response type: Internal Std (Ref 43), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

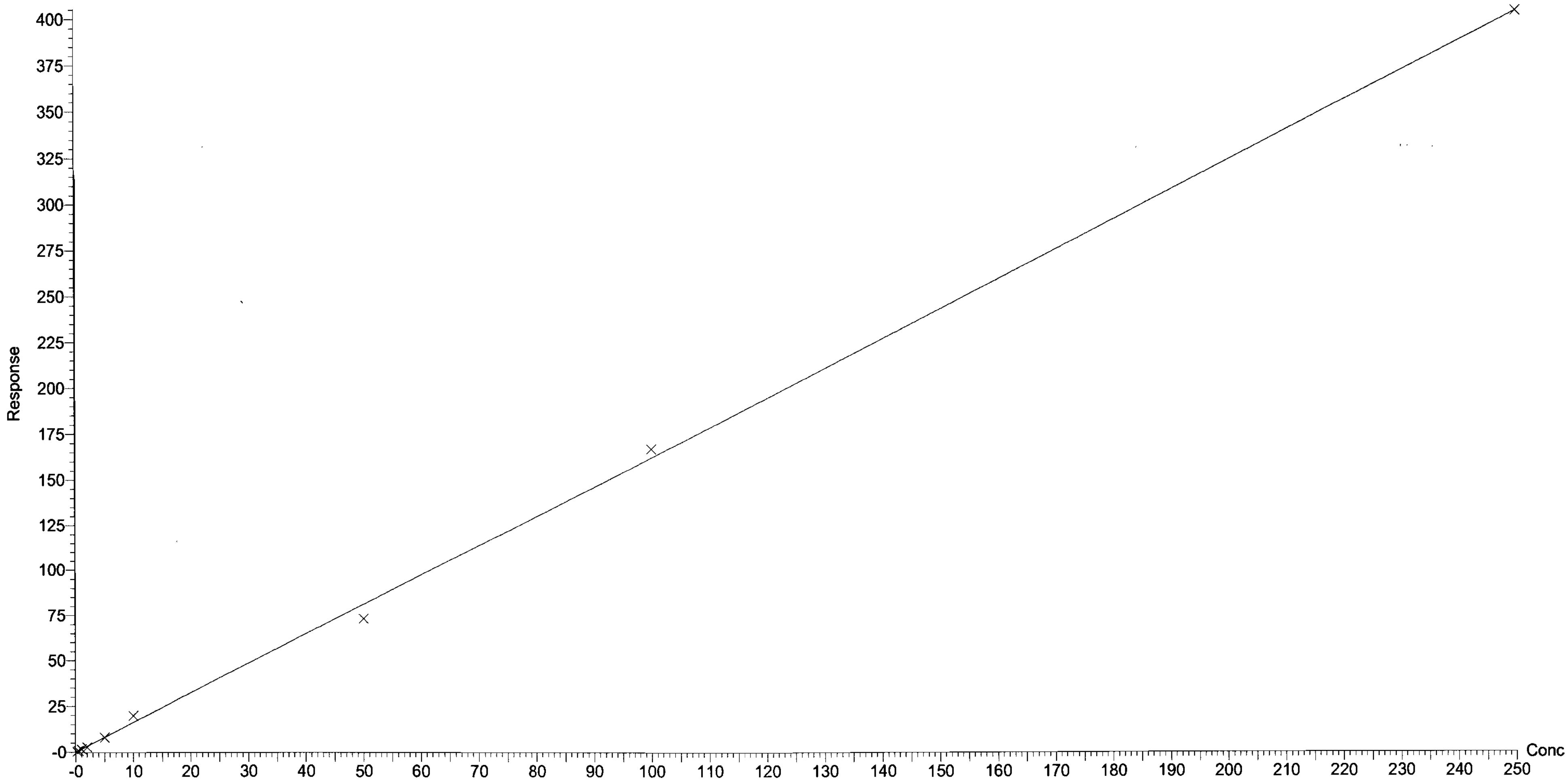


Vista Analytical Laboratory Q1

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:48:35 Pacific Standard Time

Compound name: N-MeFOSAA
Correlation coefficient: r = 0.998619, r^2 = 0.997239
Calibration curve: 1.62122 * x + -0.0601814
Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

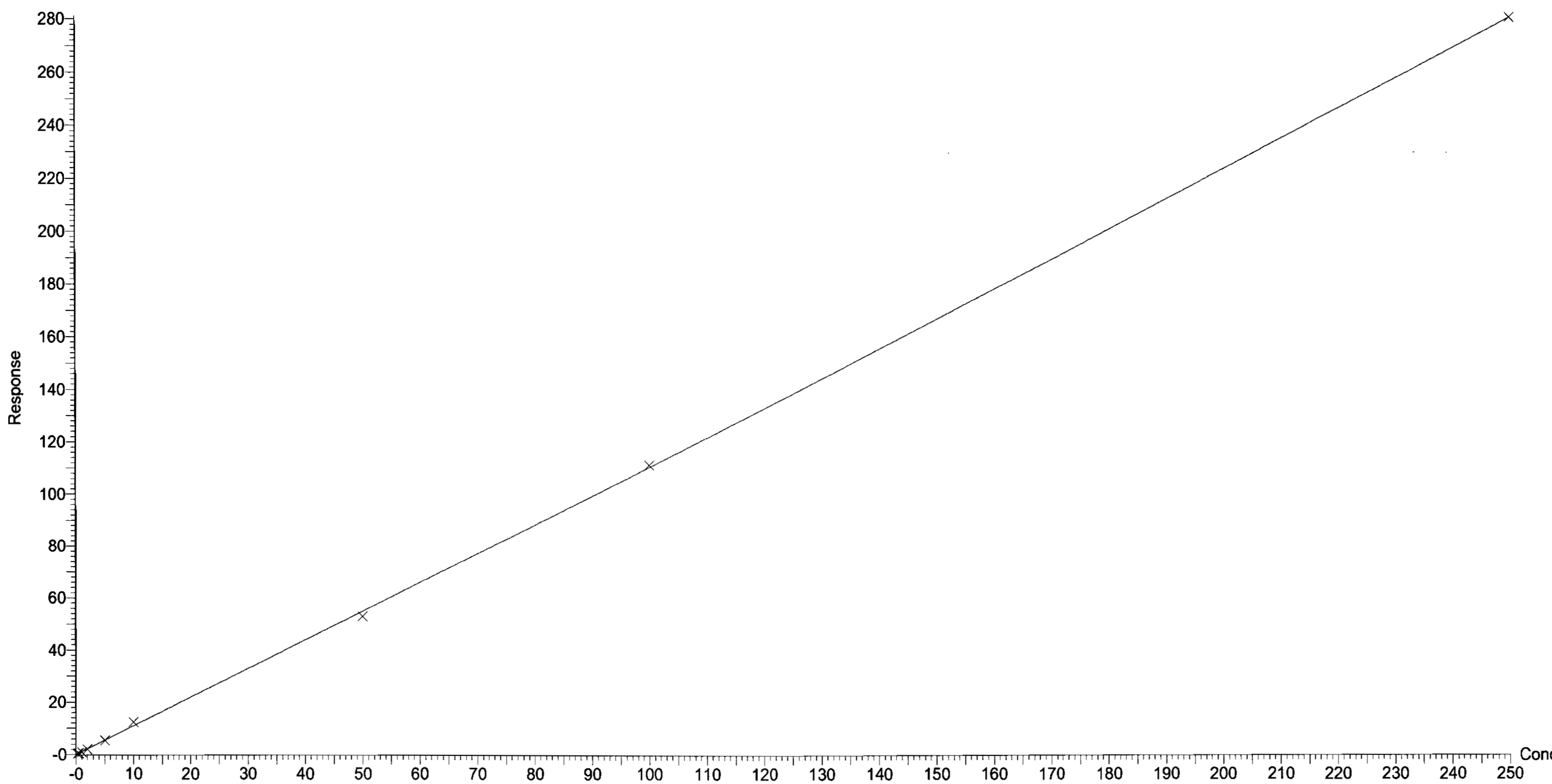


Vista Analytical Laboratory Q1

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:48:35 Pacific Standard Time

Compound name: N-EtFOSAA
Coefficient of Determination: R^2 = 0.999342
Calibration curve: 0.000138386 * x^2 + 1.0895 * x + 0.018619
Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

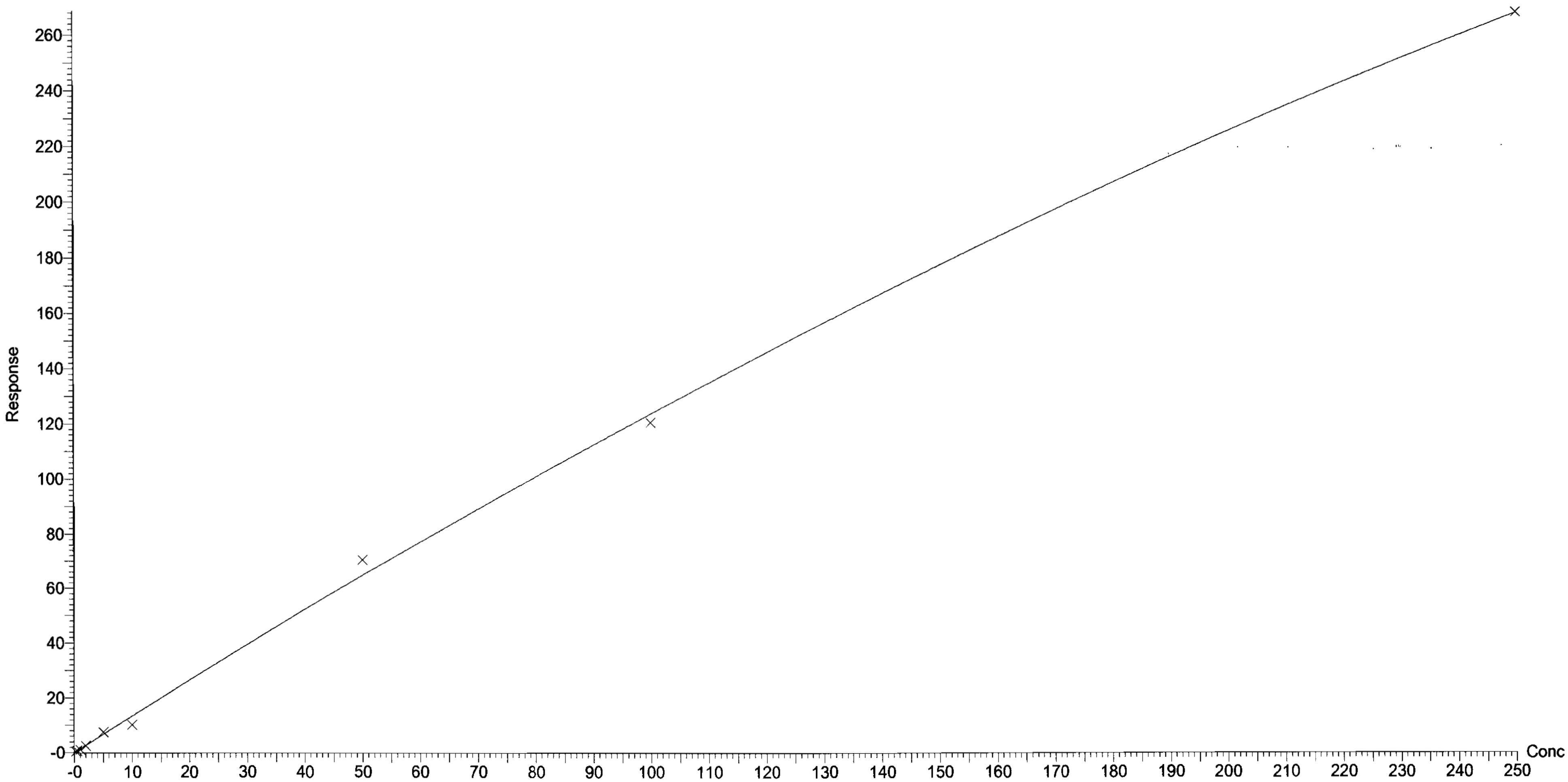


Vista Analytical Laboratory Q1

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:48:35 Pacific Standard Time

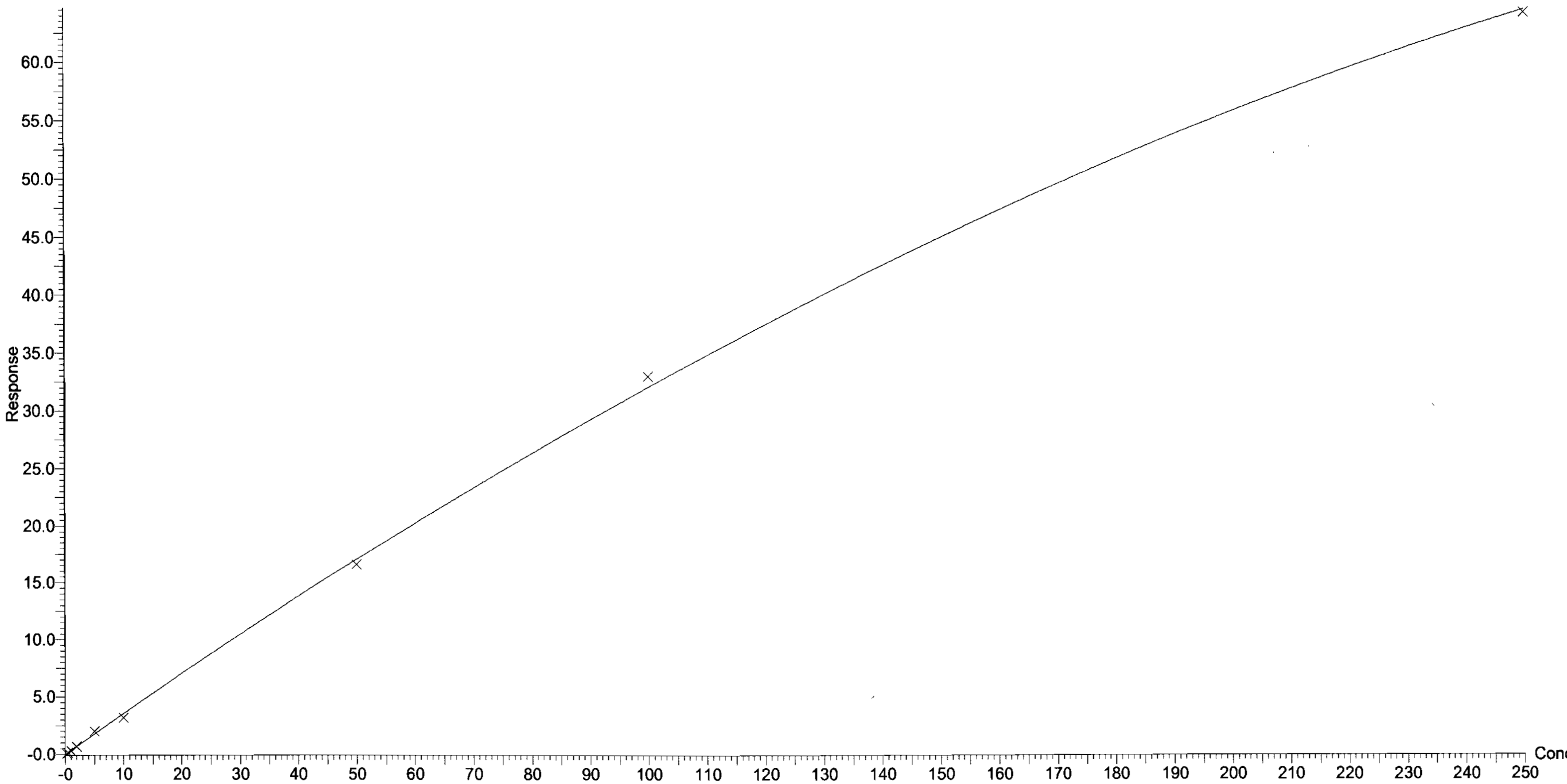
Compound name: PFUdA
Coefficient of Determination: R^2 = 0.996292
Calibration curve: -0.00109574 * x^2 + 1.34761 * x + -0.026551
Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:48:35 Pacific Standard Time

Compound name: PFDS
Coefficient of Determination: R^2 = 0.998819
Calibration curve: -0.000414099 * x^2 + 0.362287 * x + -0.0383033
Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

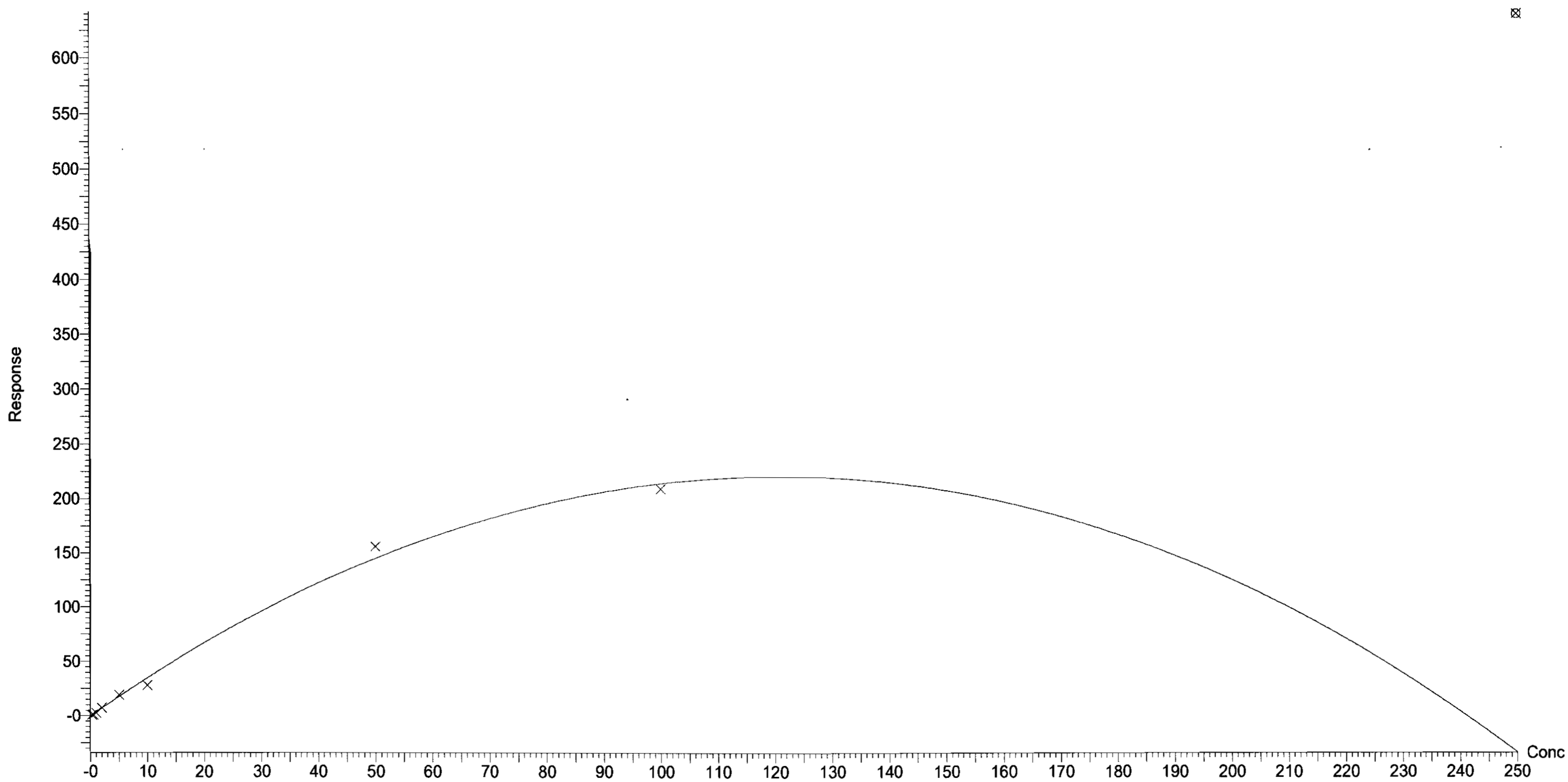


Vista Analytical Laboratory Q1

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:48:35 Pacific Standard Time

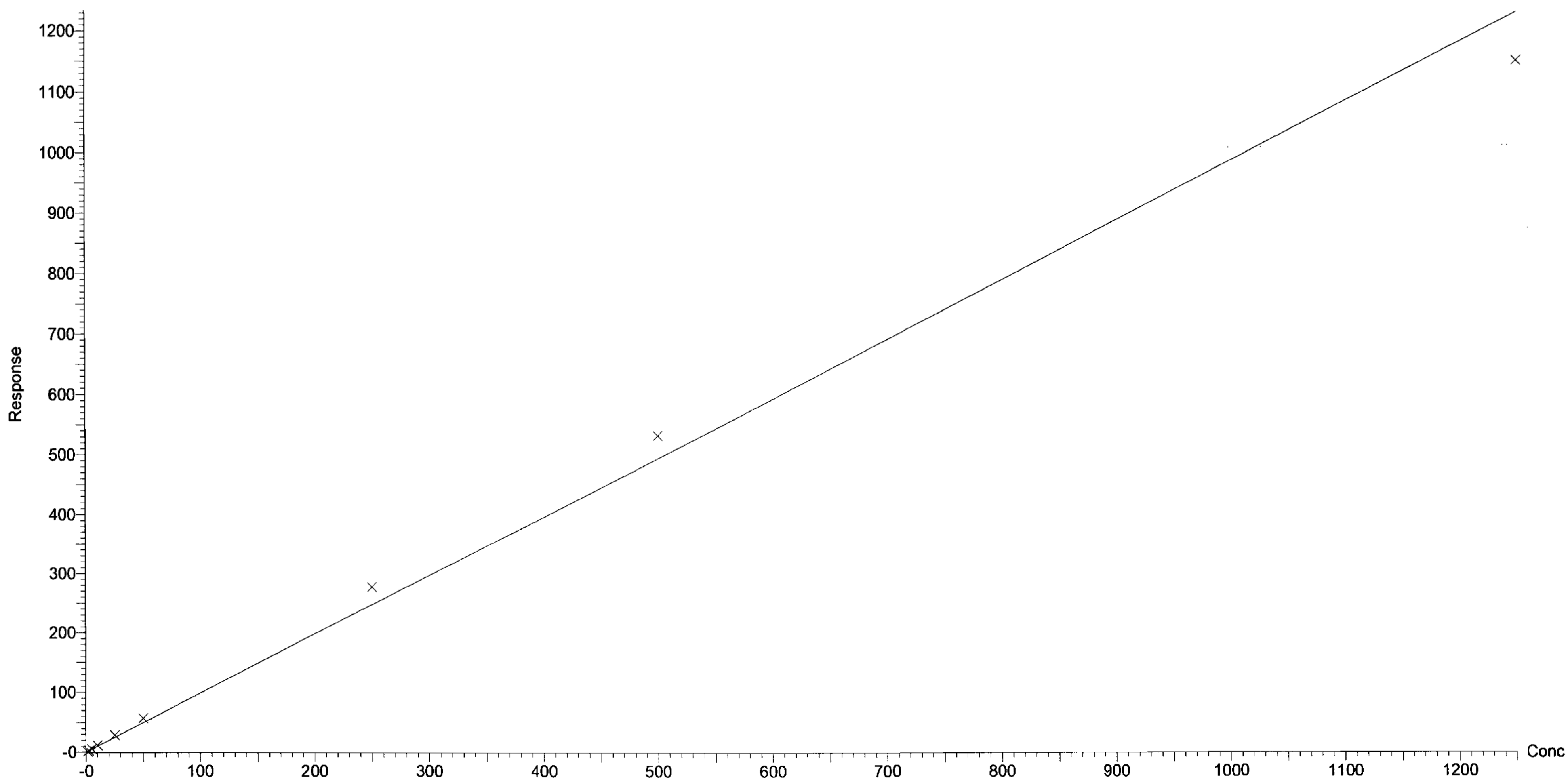
Compound name: PFDoA
Coefficient of Determination: R^2 = 0.991551
Calibration curve: -0.0151844 * x^2 + 3.6625 * x + -0.221109
Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:48:35 Pacific Standard Time

Compound name: N-MeFOSA
Correlation coefficient: r = 0.996585, r^2 = 0.993181
Calibration curve: 0.986648 * x + 0.358267
Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

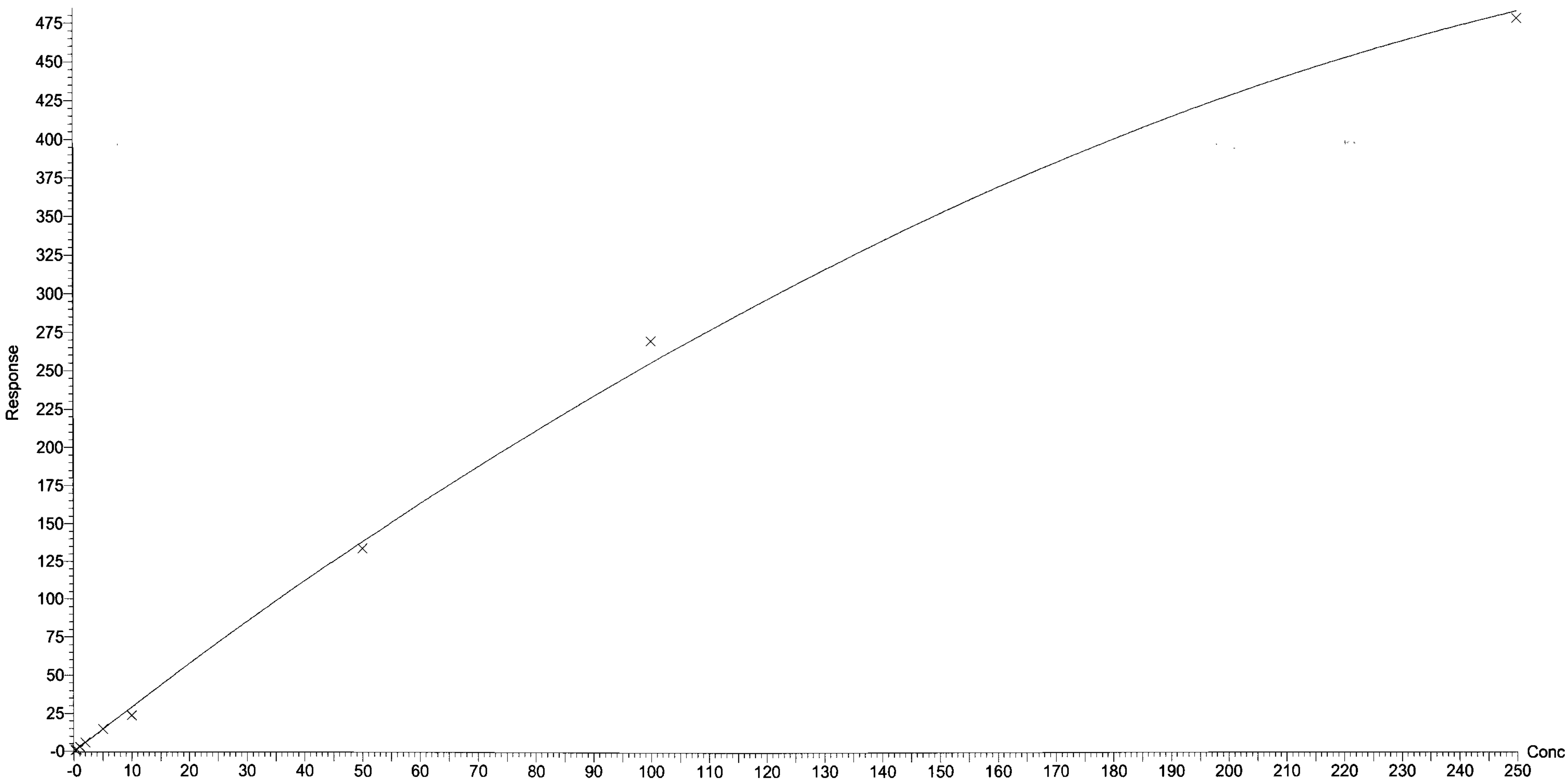


Vista Analytical Laboratory Q1

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:48:35 Pacific Standard Time

Compound name: PFTrDA
Coefficient of Determination: R^2 = 0.997247
Calibration curve: -0.00412831 * x^2 + 2.97066 * x + -0.204638
Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

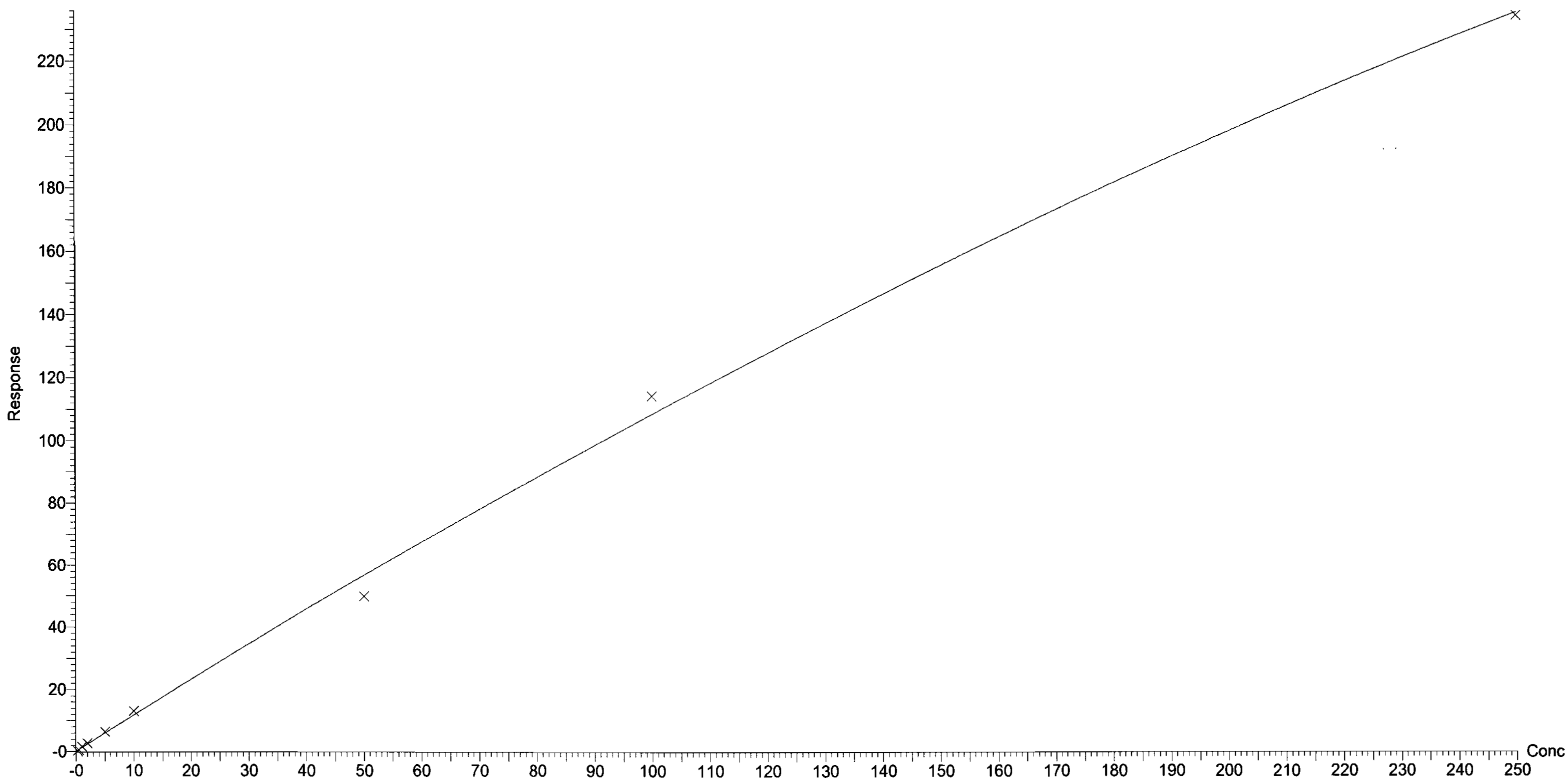


Vista Analytical Laboratory Q1

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:48:35 Pacific Standard Time

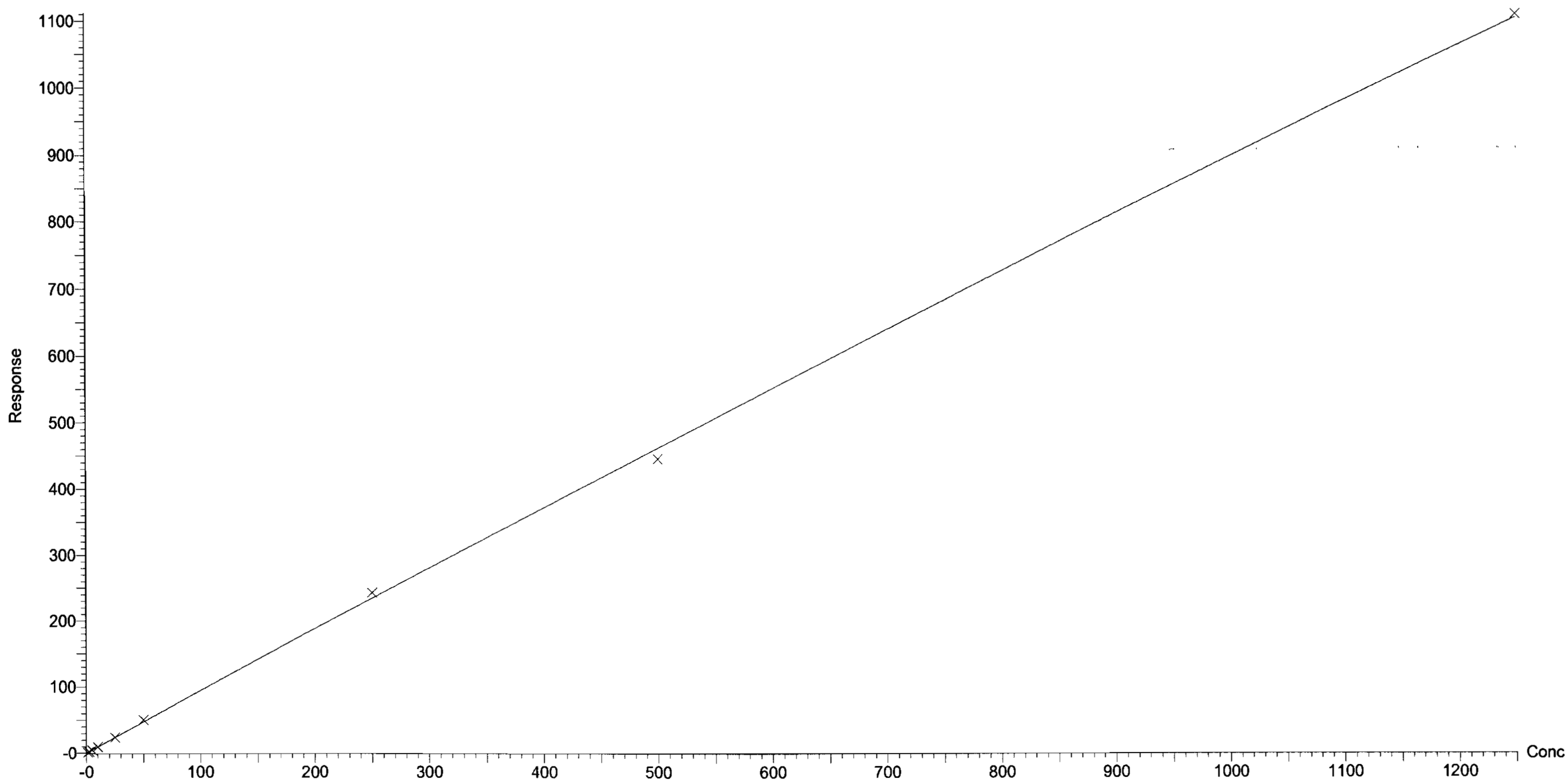
Compound name: PFTeDA
Coefficient of Determination: R^2 = 0.996111
Calibration curve: -0.000932552 * x^2 + 1.17691 * x + 0.1227
Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:48:35 Pacific Standard Time

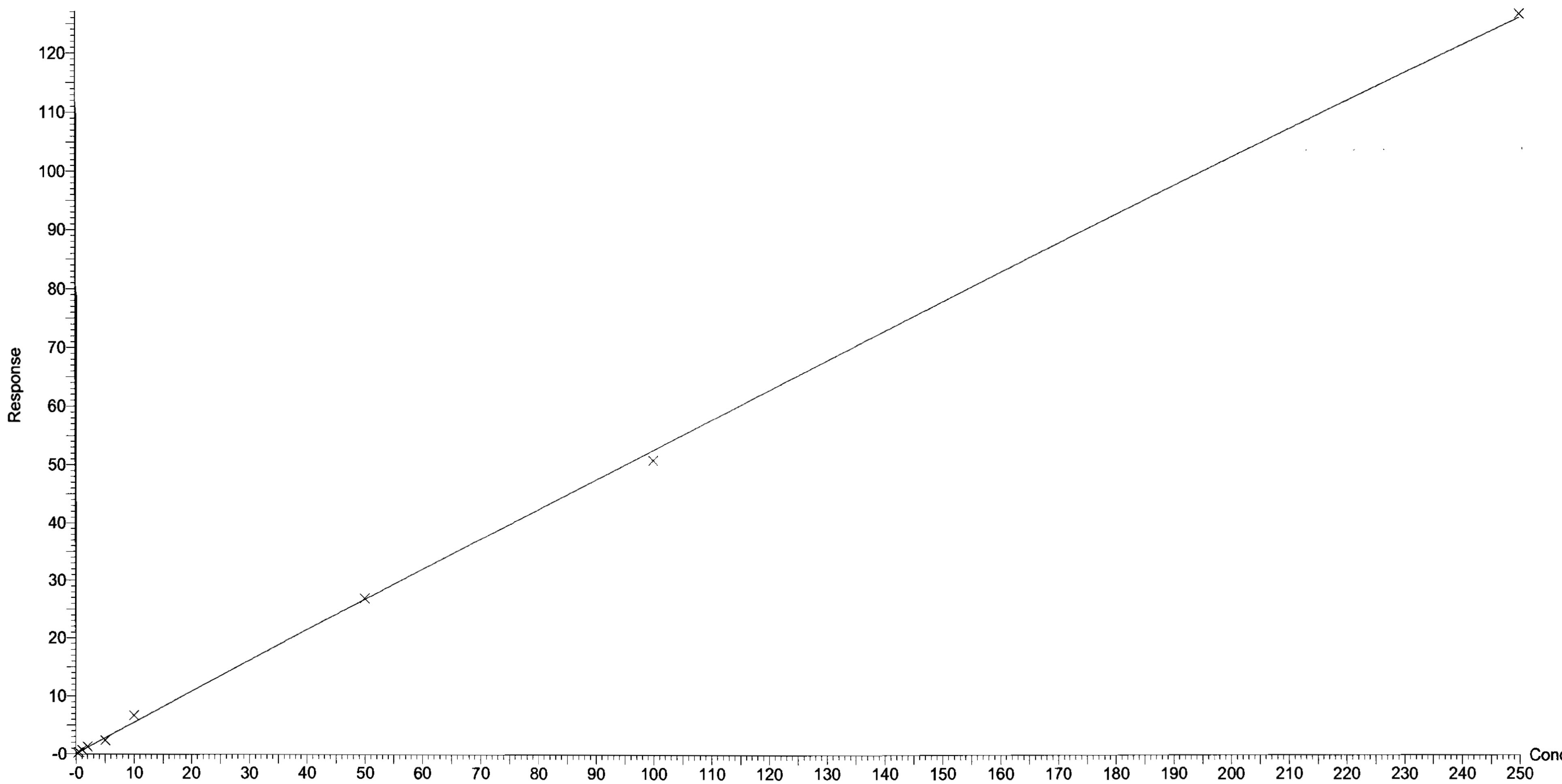
Compound name: N-EtFOSA
Coefficient of Determination: R^2 = 0.999384
Calibration curve: -5.19289e-005 * x^2 + 0.950137 * x + 0.178125
Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:48:35 Pacific Standard Time

Compound name: PFHxDA
Coefficient of Determination: R^2 = 0.997886
Calibration curve: -0.000130606 * x^2 + 0.538197 * x + 0.0813774
Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

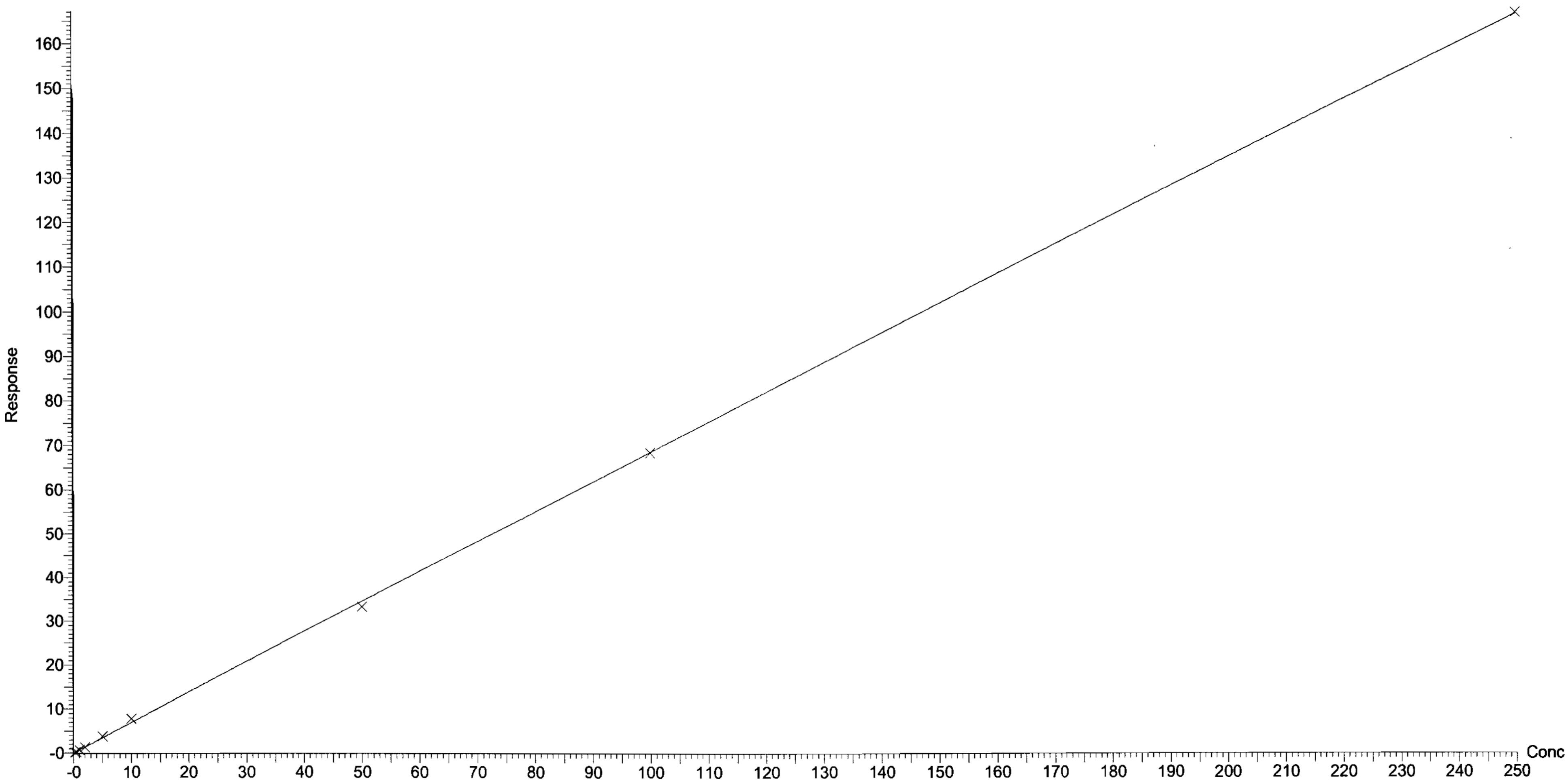


Vista Analytical Laboratory Q1

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:48:35 Pacific Standard Time

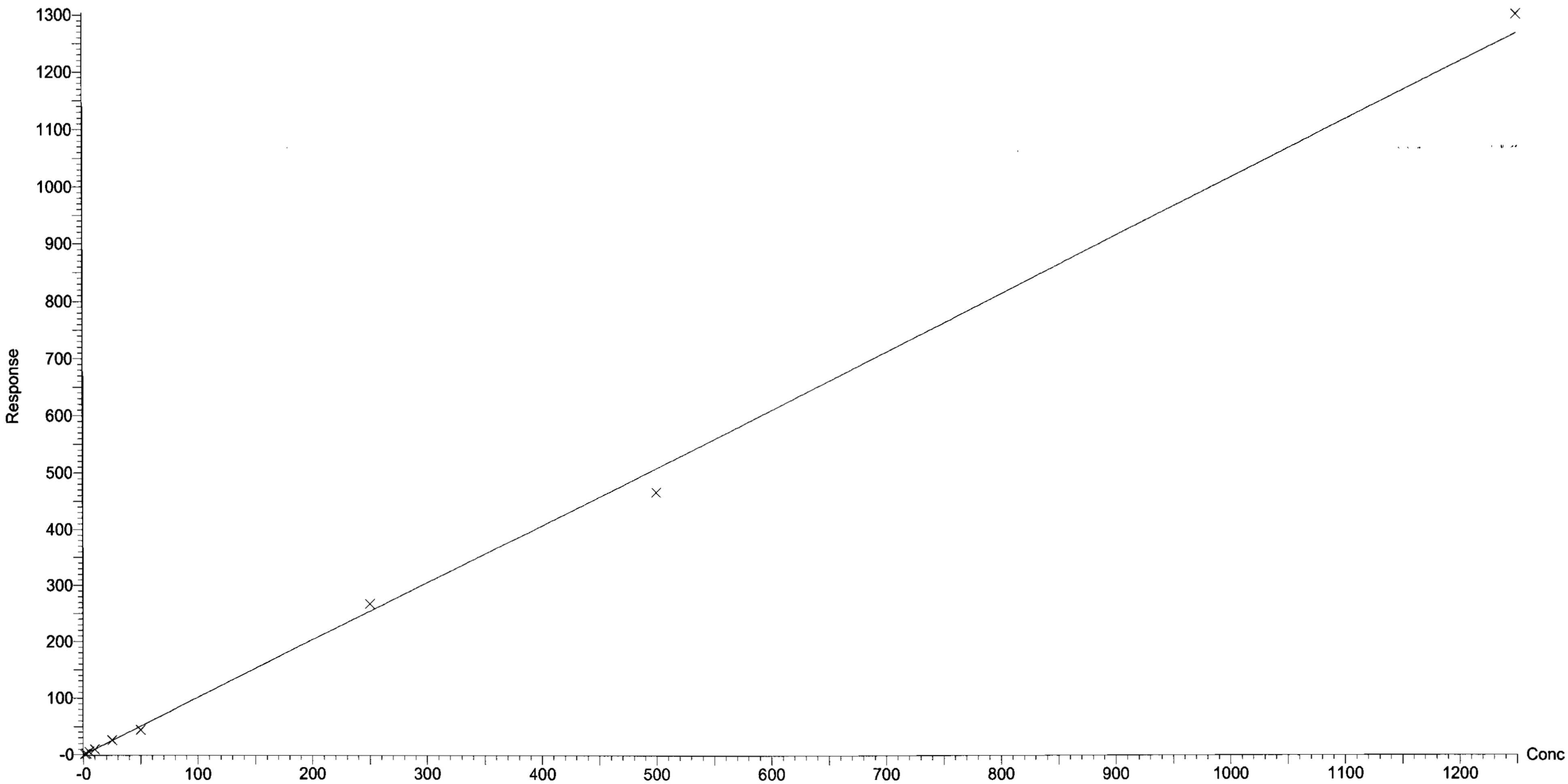
Compound name: PFODA
Coefficient of Determination: R^2 = 0.999221
Calibration curve: -0.000114312 * x^2 + 0.696208 * x + 0.0111221
Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:48:35 Pacific Standard Time

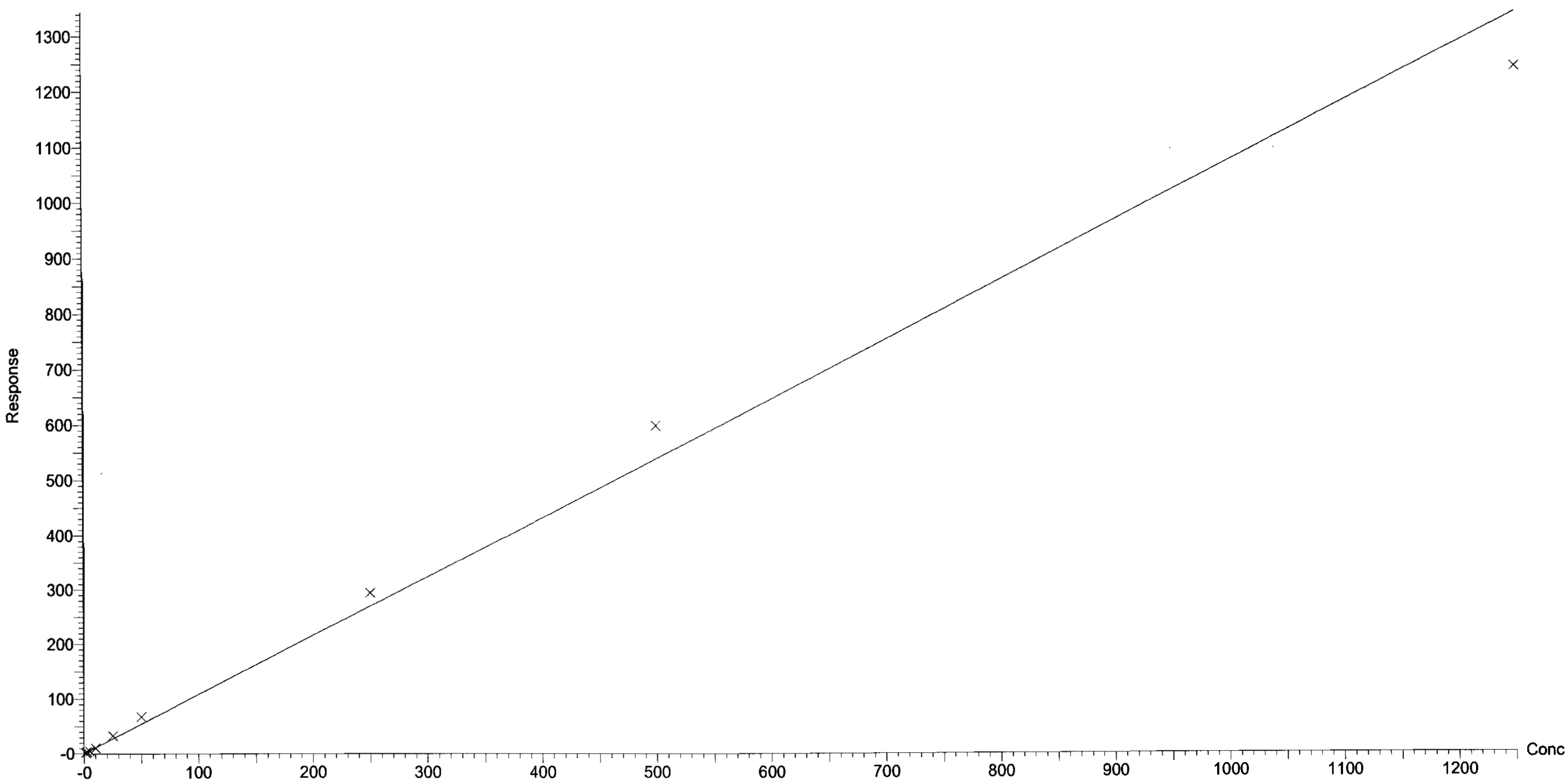
Compound name: N-MeFOSE
Correlation coefficient: r = 0.998584, r^2 = 0.997170
Calibration curve: 1.01614 * x + -0.274032
Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:48:35 Pacific Standard Time

Compound name: N-EtFOSE
Correlation coefficient: r = 0.995276, r^2 = 0.990574
Calibration curve: 1.07448 * x + 0.5754
Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



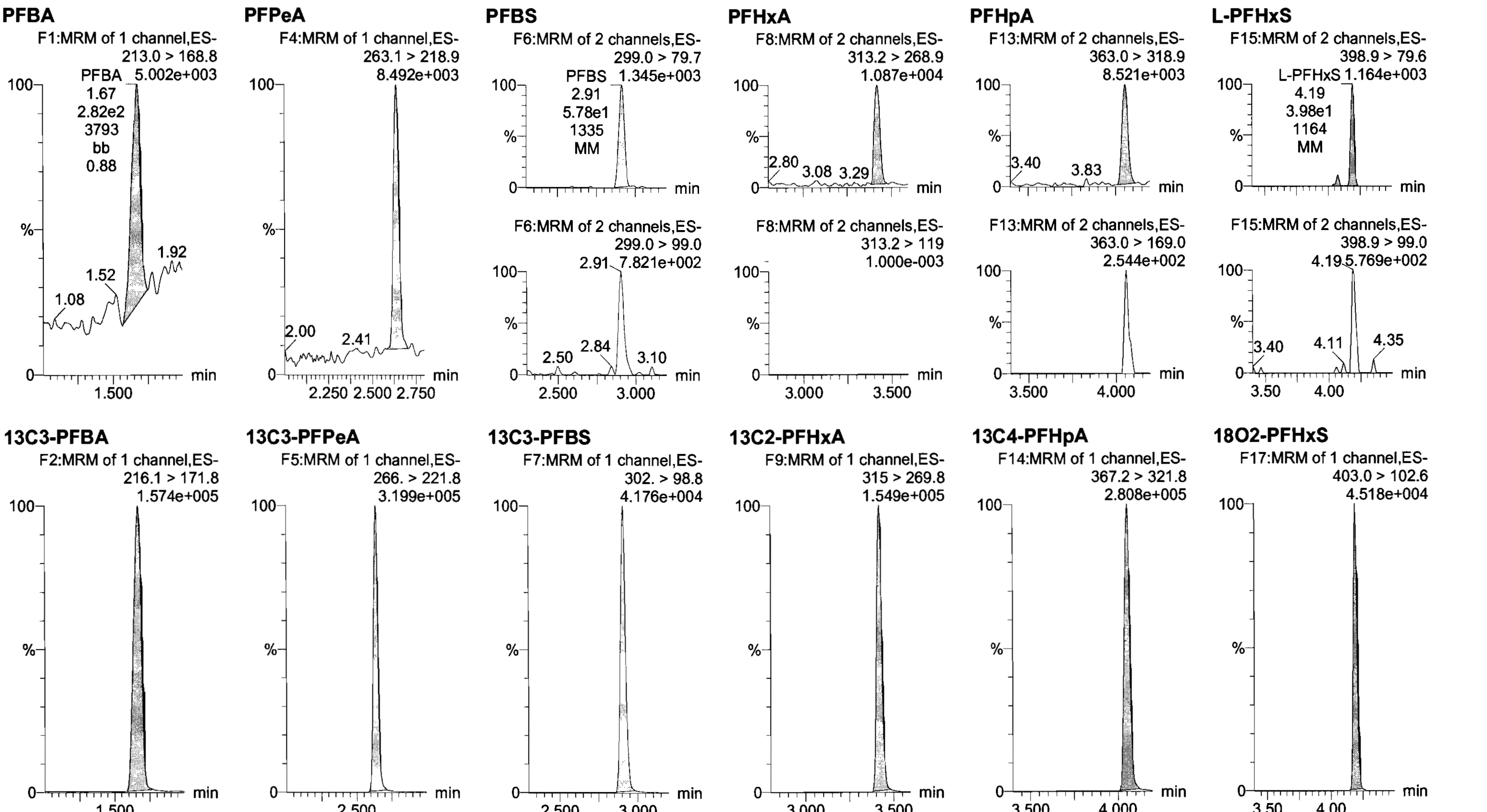
Quantify Sample Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:35:03 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_112917.mdb 29 Nov 2017 15:16:56
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-29-17_FULL.cdb 29 Nov 2017 15:34:31

Name: 171129M1_3, Date: 29-Nov-2017, Time: 12:41:51, ID: ST171129M1-1 PFC CS-2 17K2806, Description: PFC CS-2 17K2806



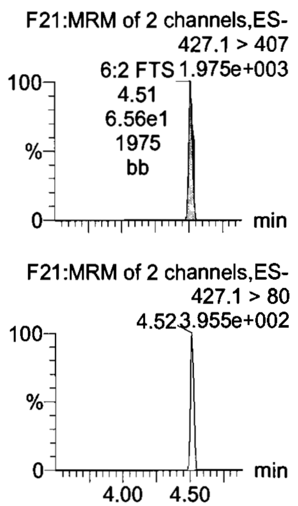
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

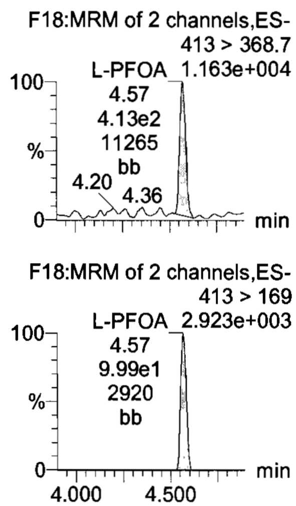
Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:35:03 Pacific Standard Time

Name: 171129M1_3, Date: 29-Nov-2017, Time: 12:41:51, ID: ST171129M1-1 PFC CS-2 17K2806, Description: PFC CS-2 17K2806

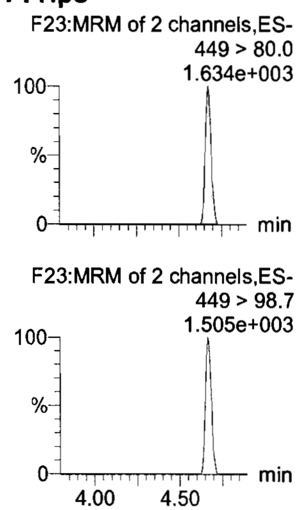
6:2 FTS



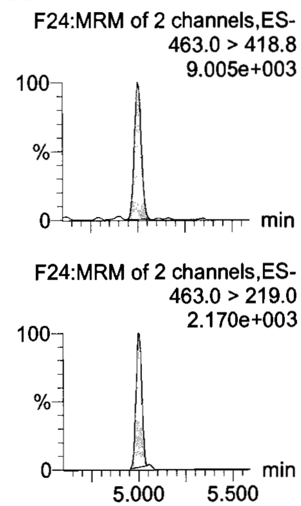
L-PFOA



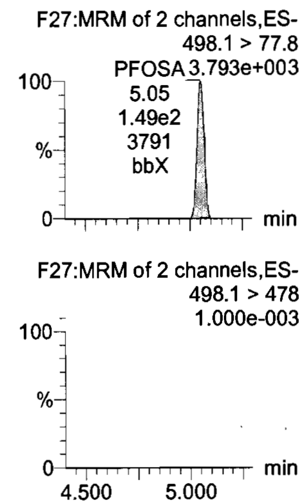
PFHpS



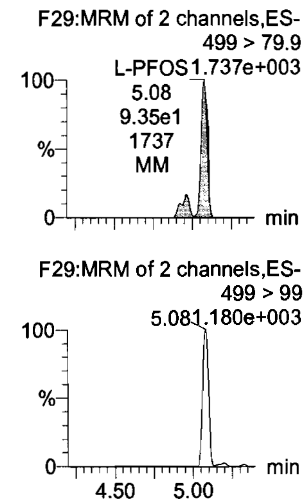
PFNA



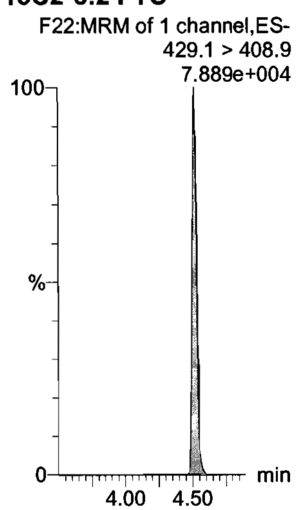
PFOSA



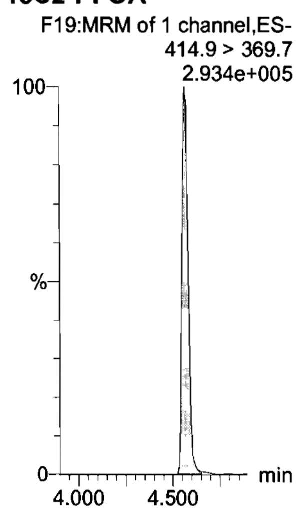
L-PFOS



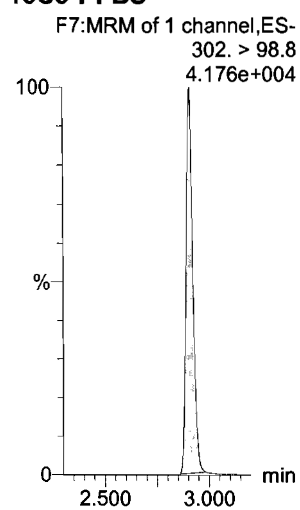
13C2-6:2 FTS



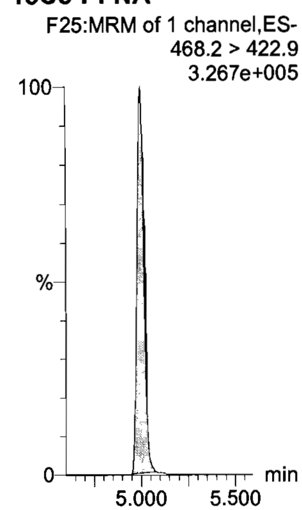
13C2-PFOA



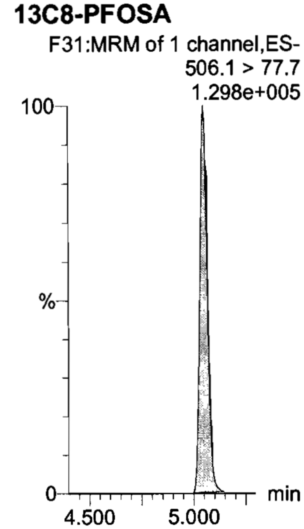
13C3-PFBS



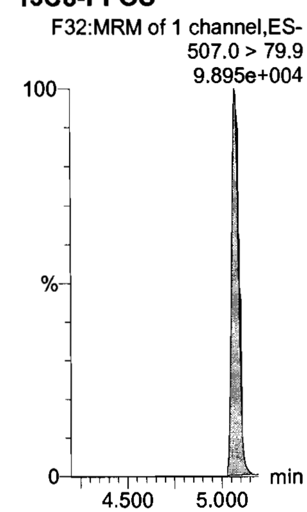
13C5-PFNA



13C8-PFOSA



13C8-PFOS



Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:35:03 Pacific Standard Time

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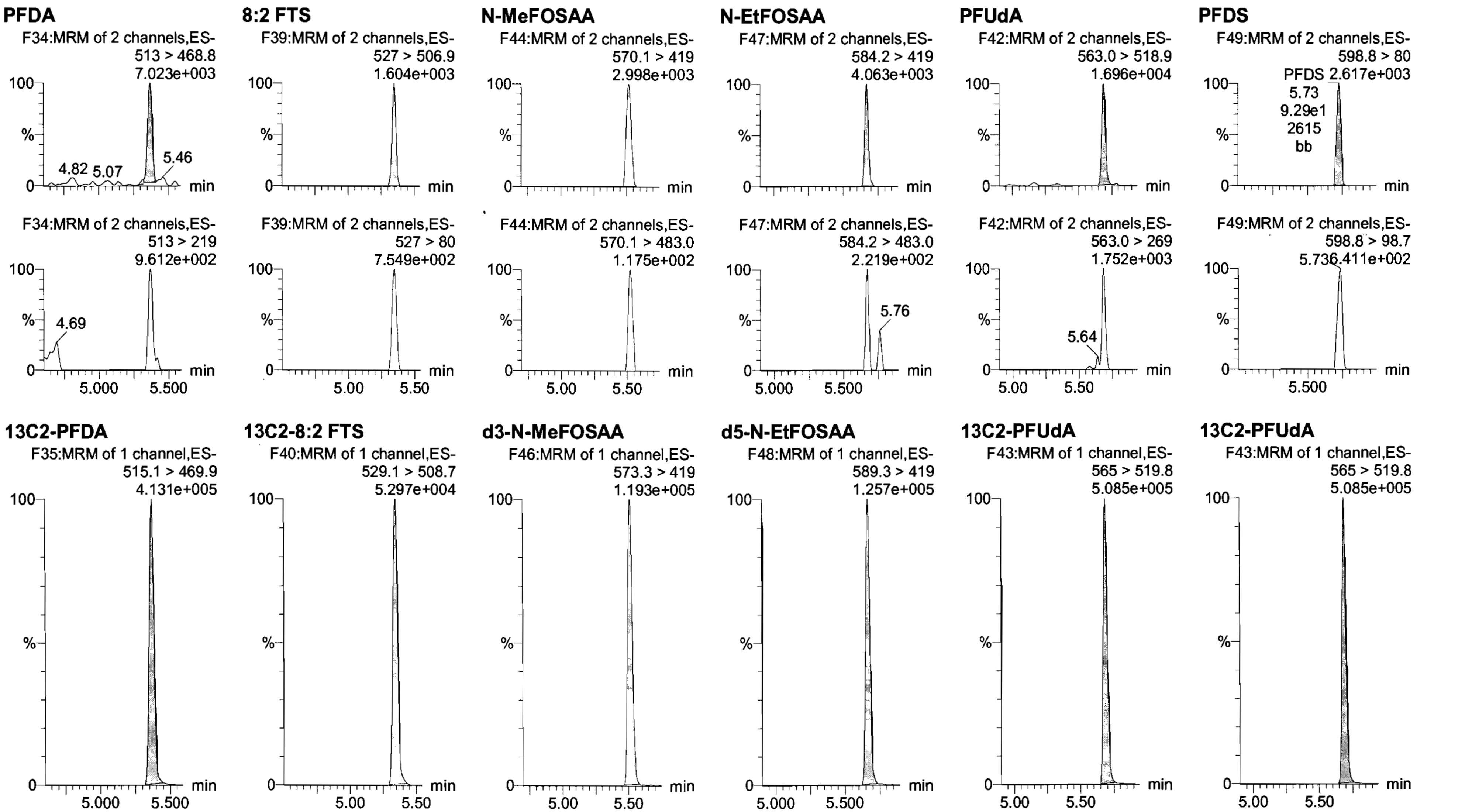

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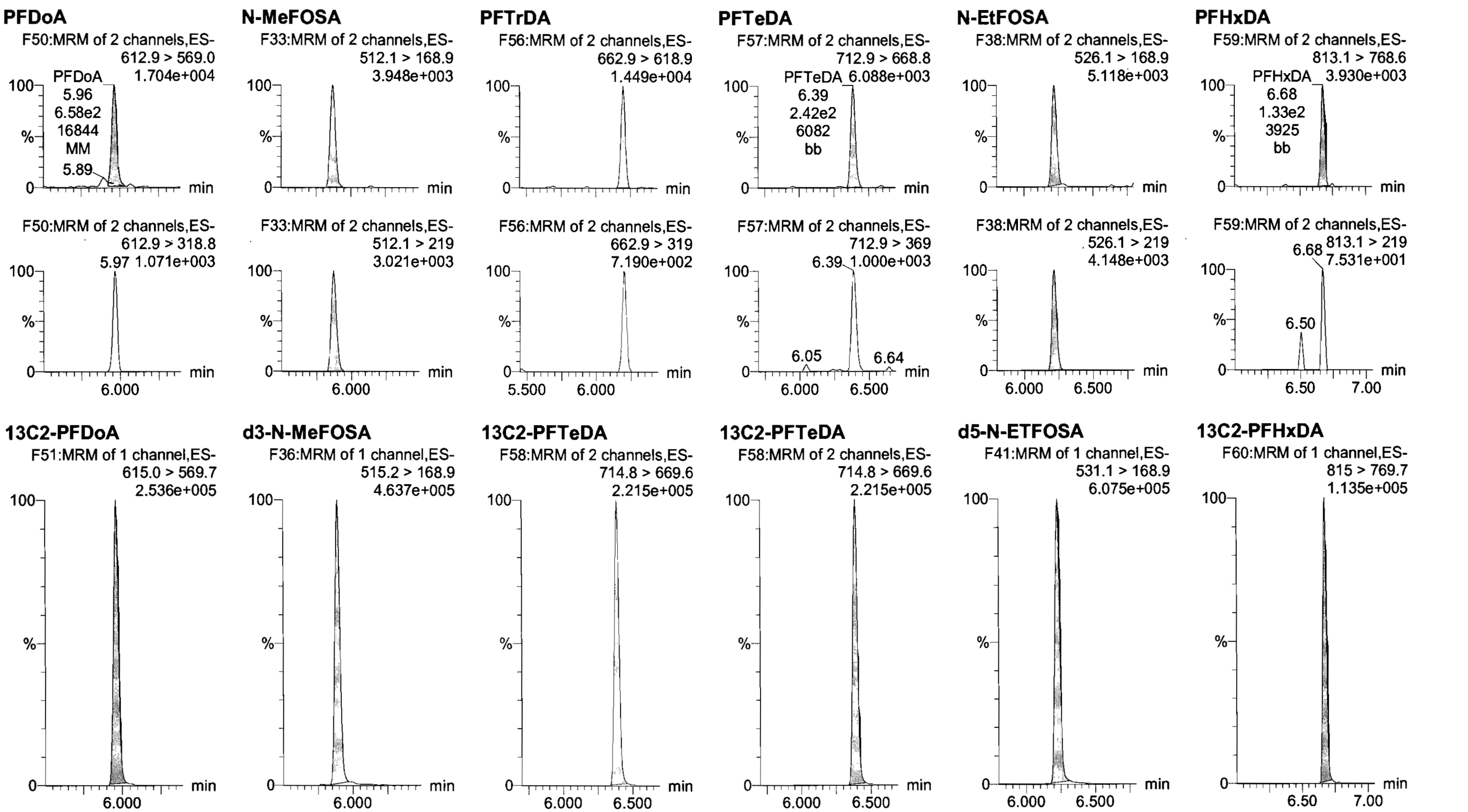

Vista Analytical Laboratory

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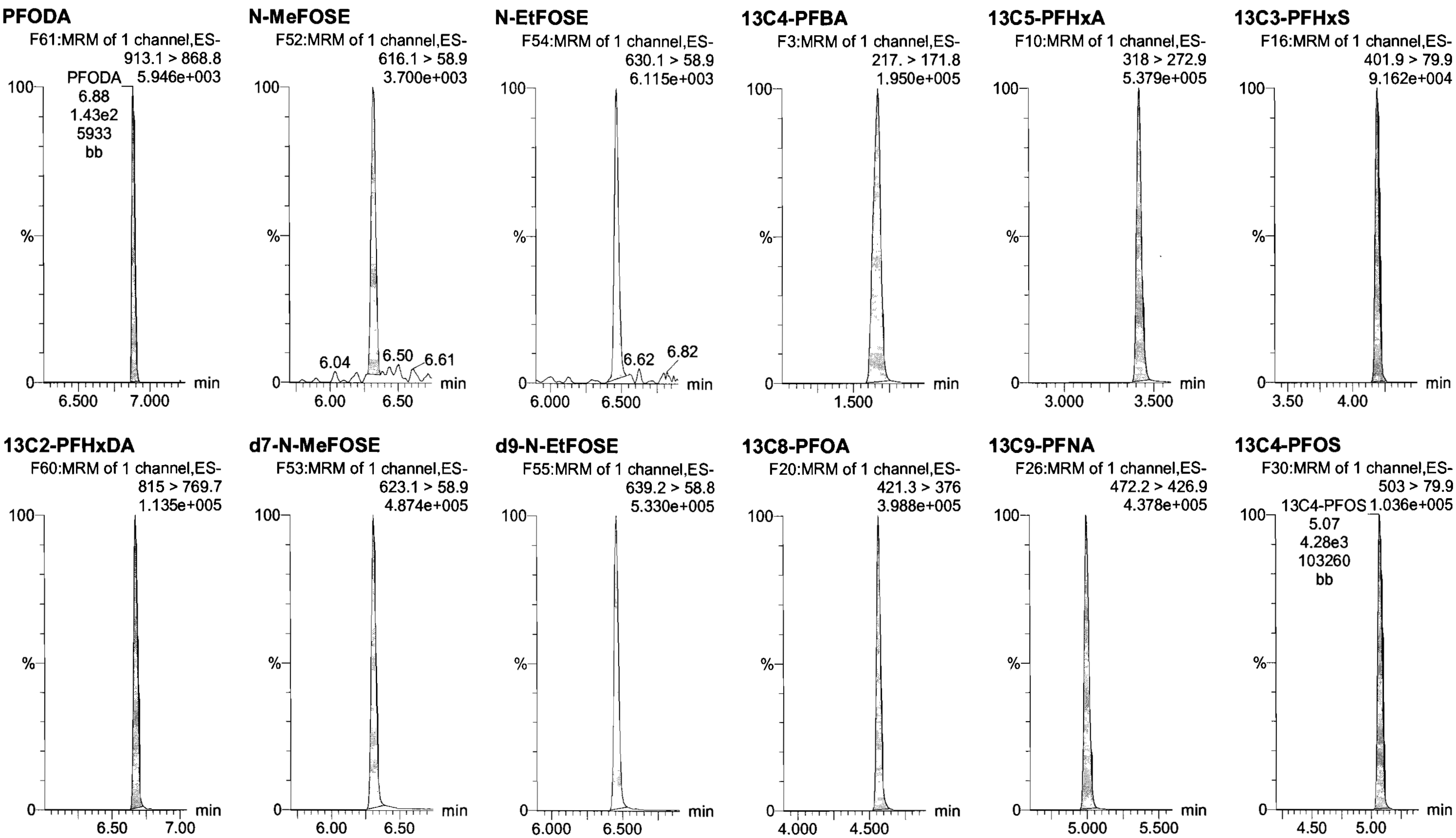

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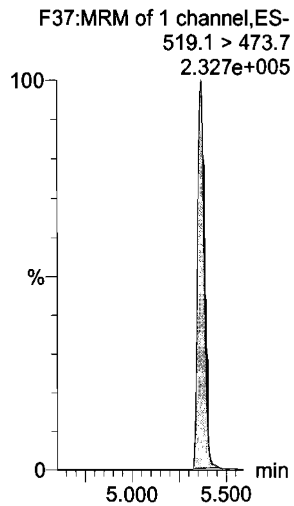
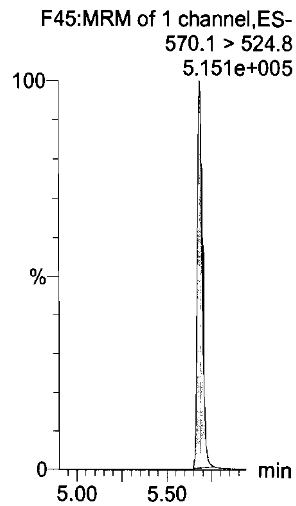
13C6-PFDA



13C7-PFUdA



Quantify Sample Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:35:03 Pacific Standard Time

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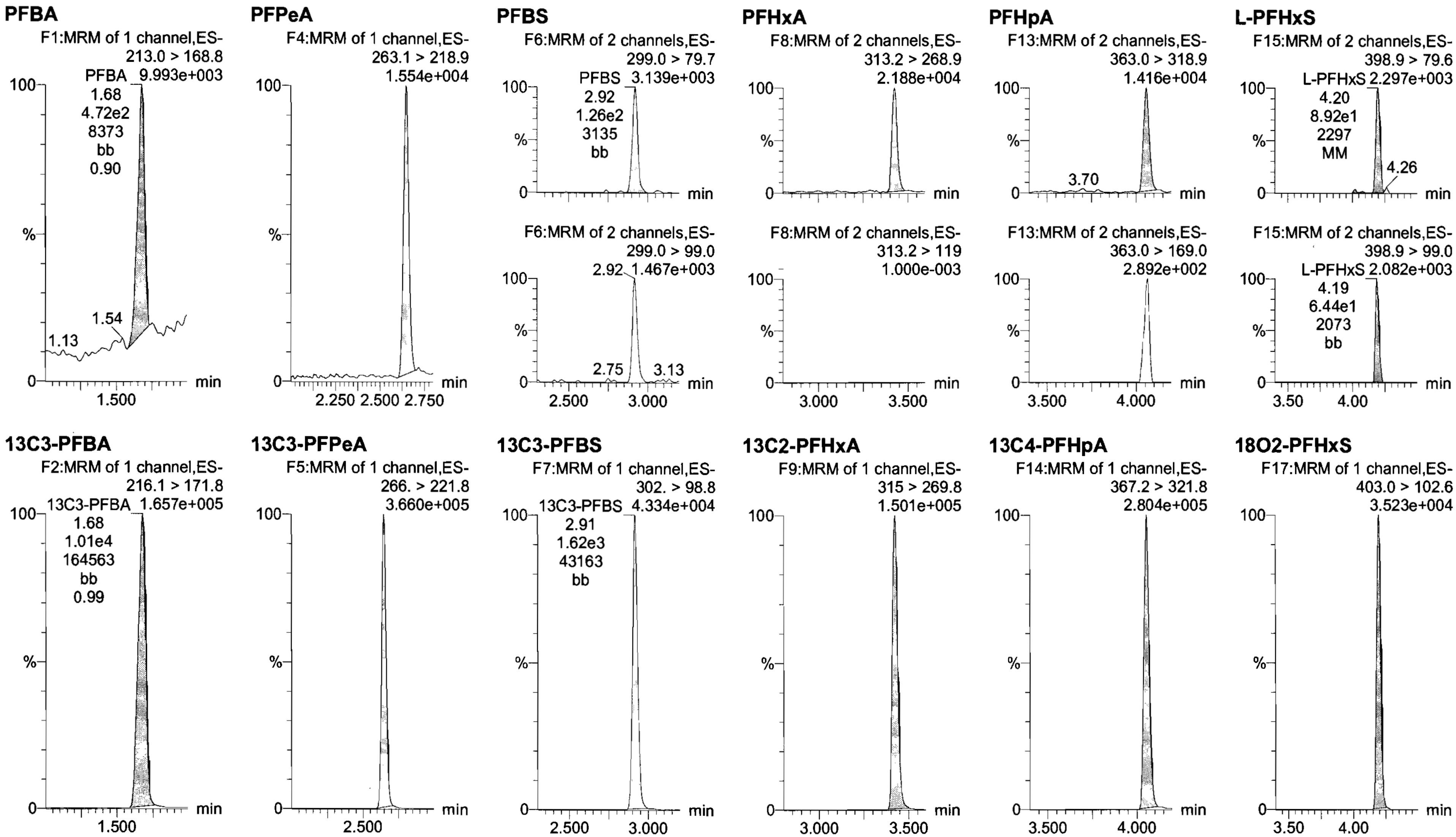

Vista Analytical Laboratory

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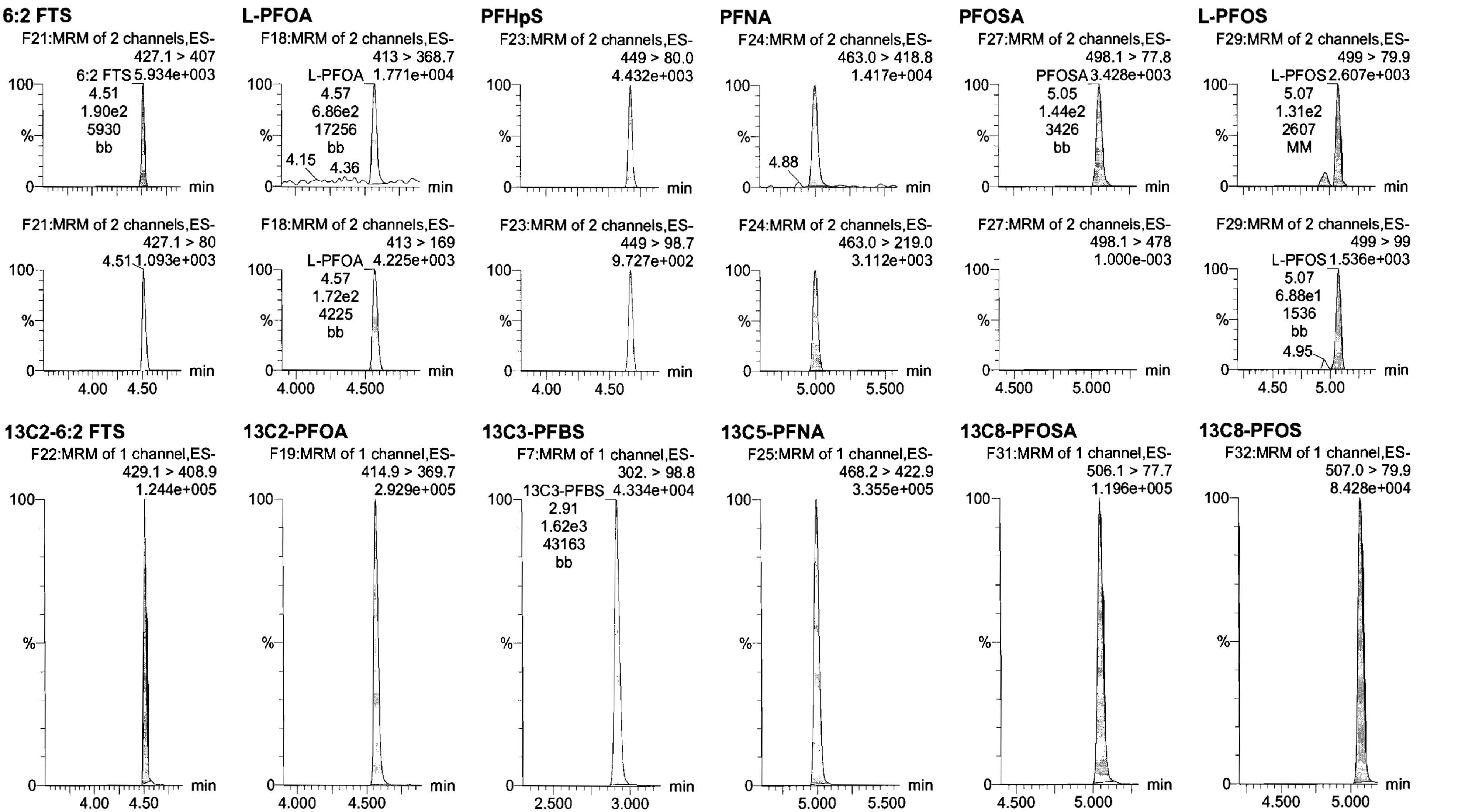

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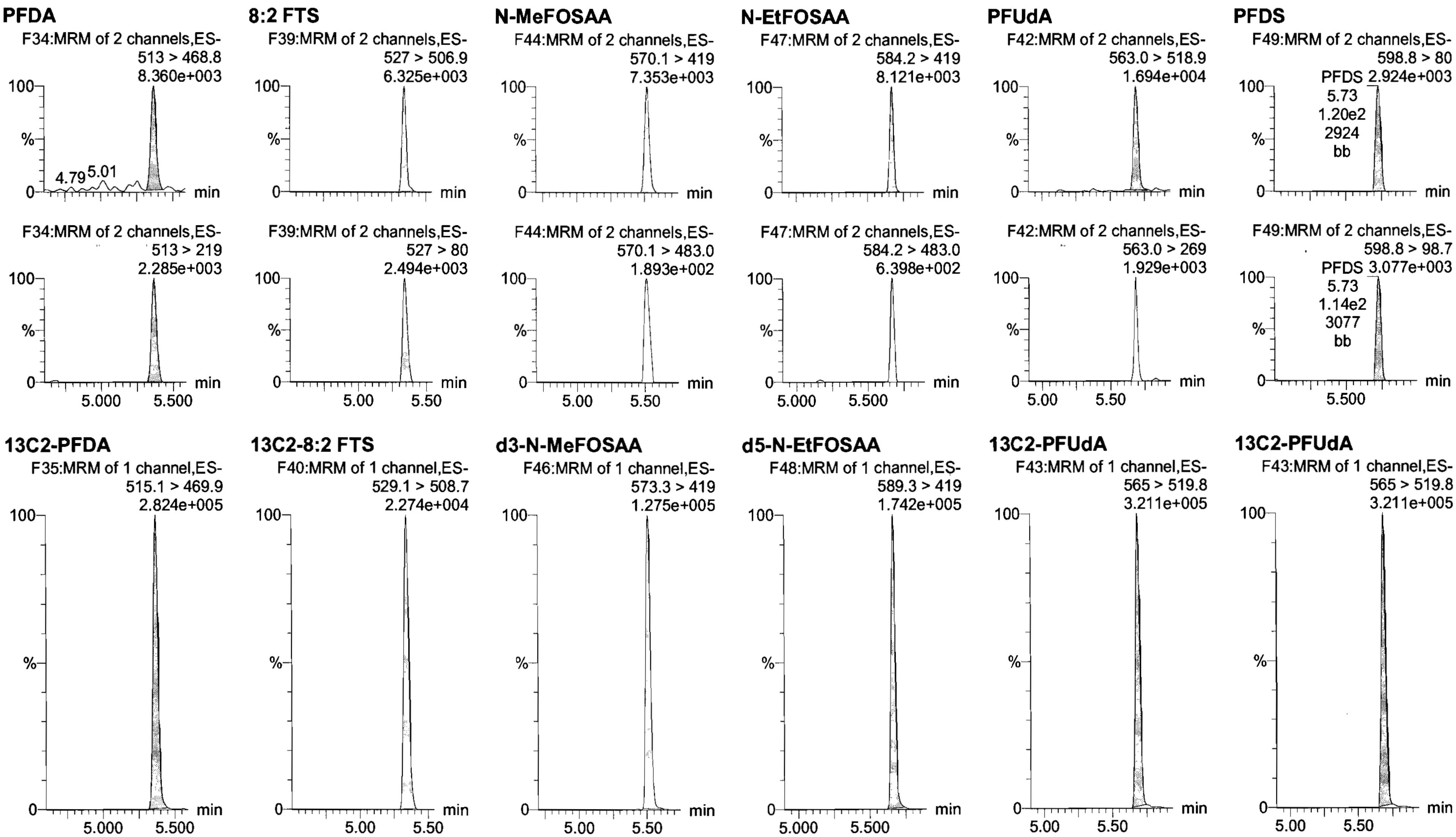

Vista Analytical Laboratory

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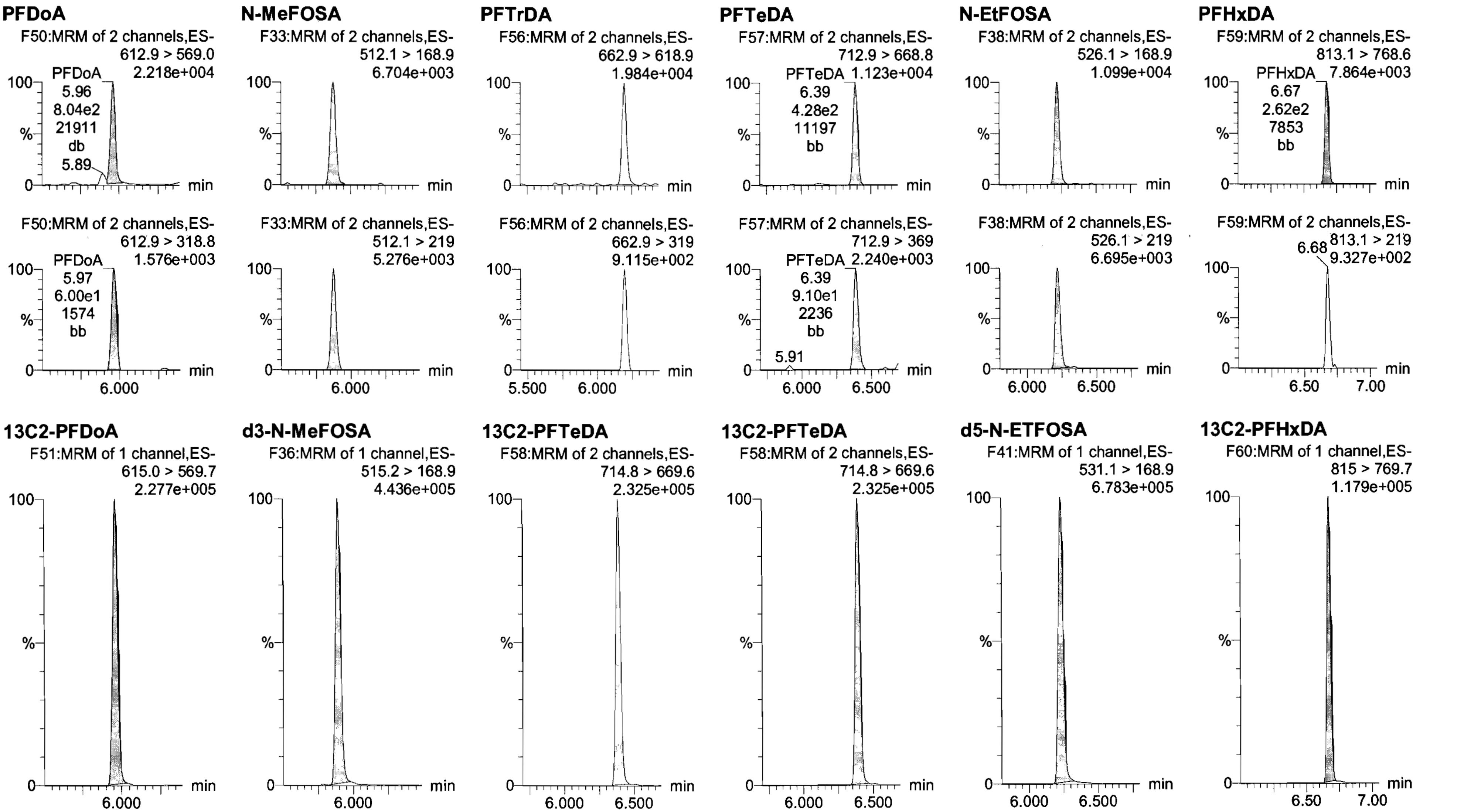

Vista Analytical Laboratory

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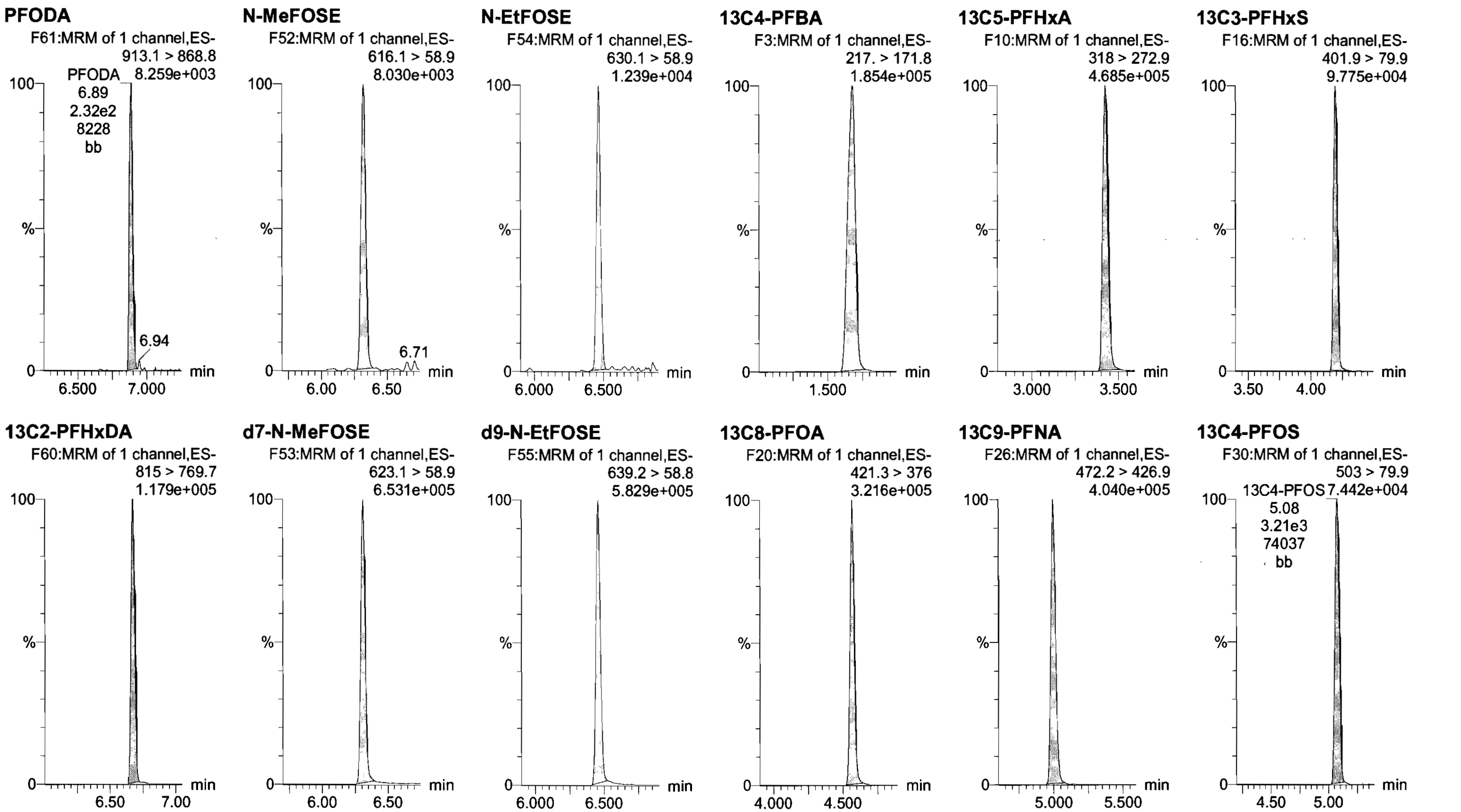

Vista Analytical Laboratory

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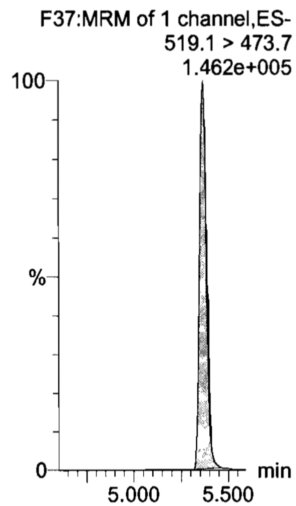
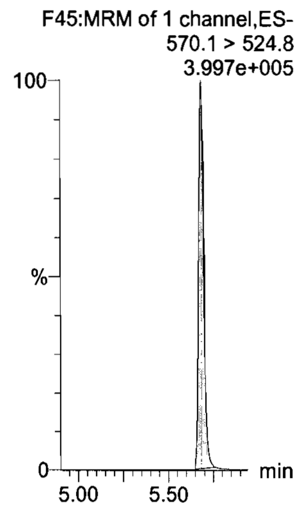
Name: 171129M1_4, Date: 29-Nov-2017, Time: 12:53:04, ID: ST171129M1-2 PFC CS-1 17K2807, Description: PFC CS-1 17K2807

13C6-PFDA



13C7-PFUdA



Vista Analytical Laboratory

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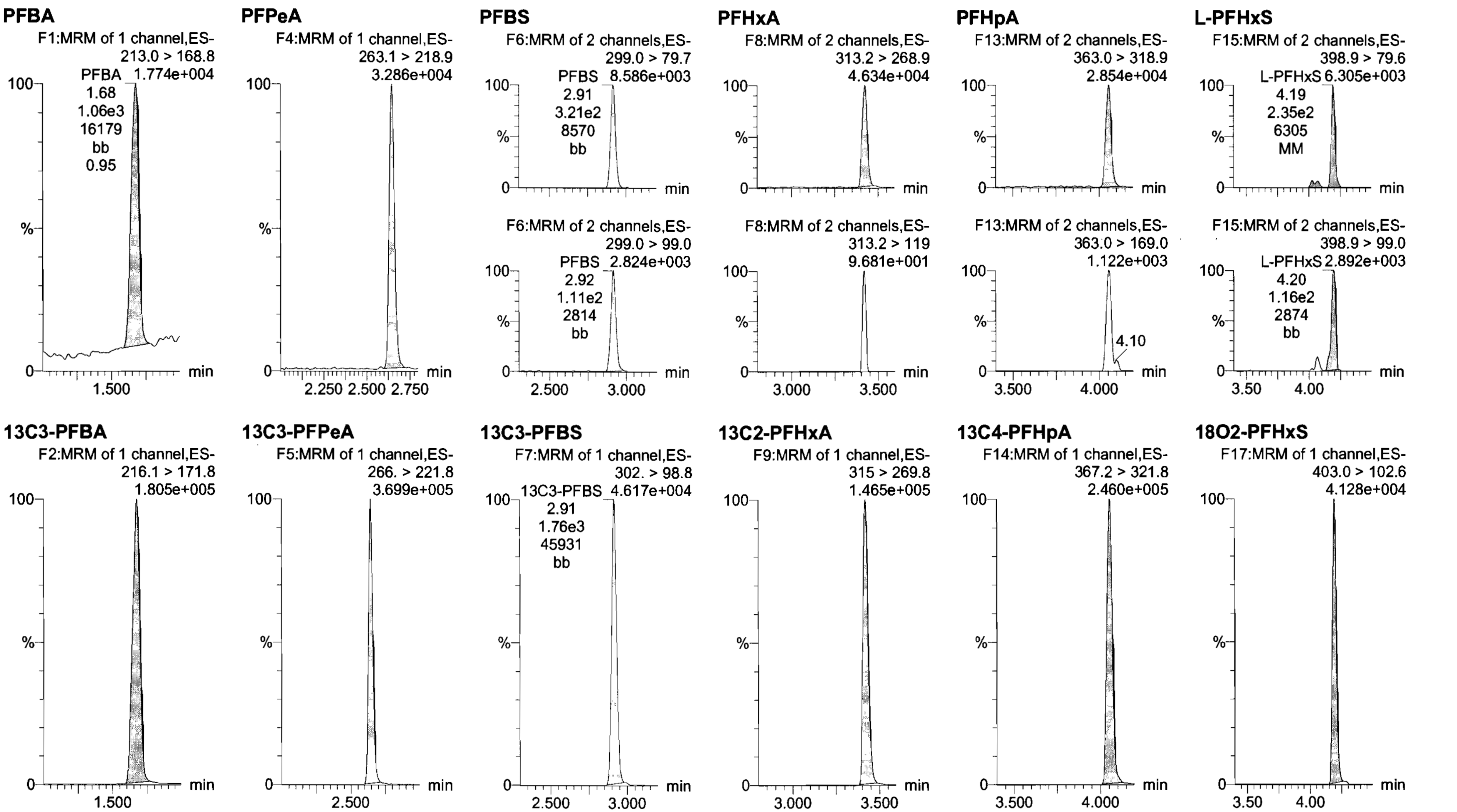

Vista Analytical Laboratory

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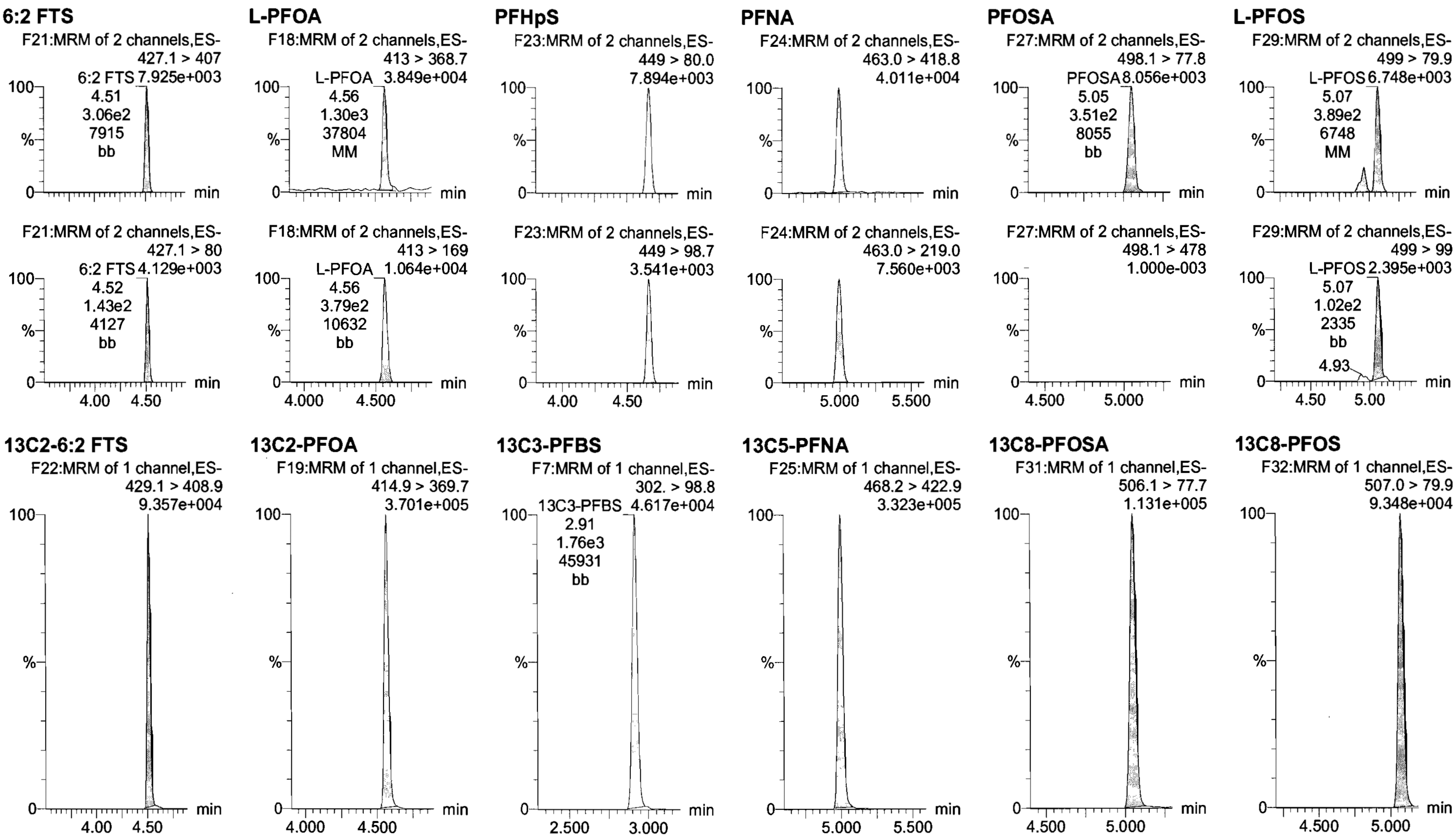

Vista Analytical Laboratory

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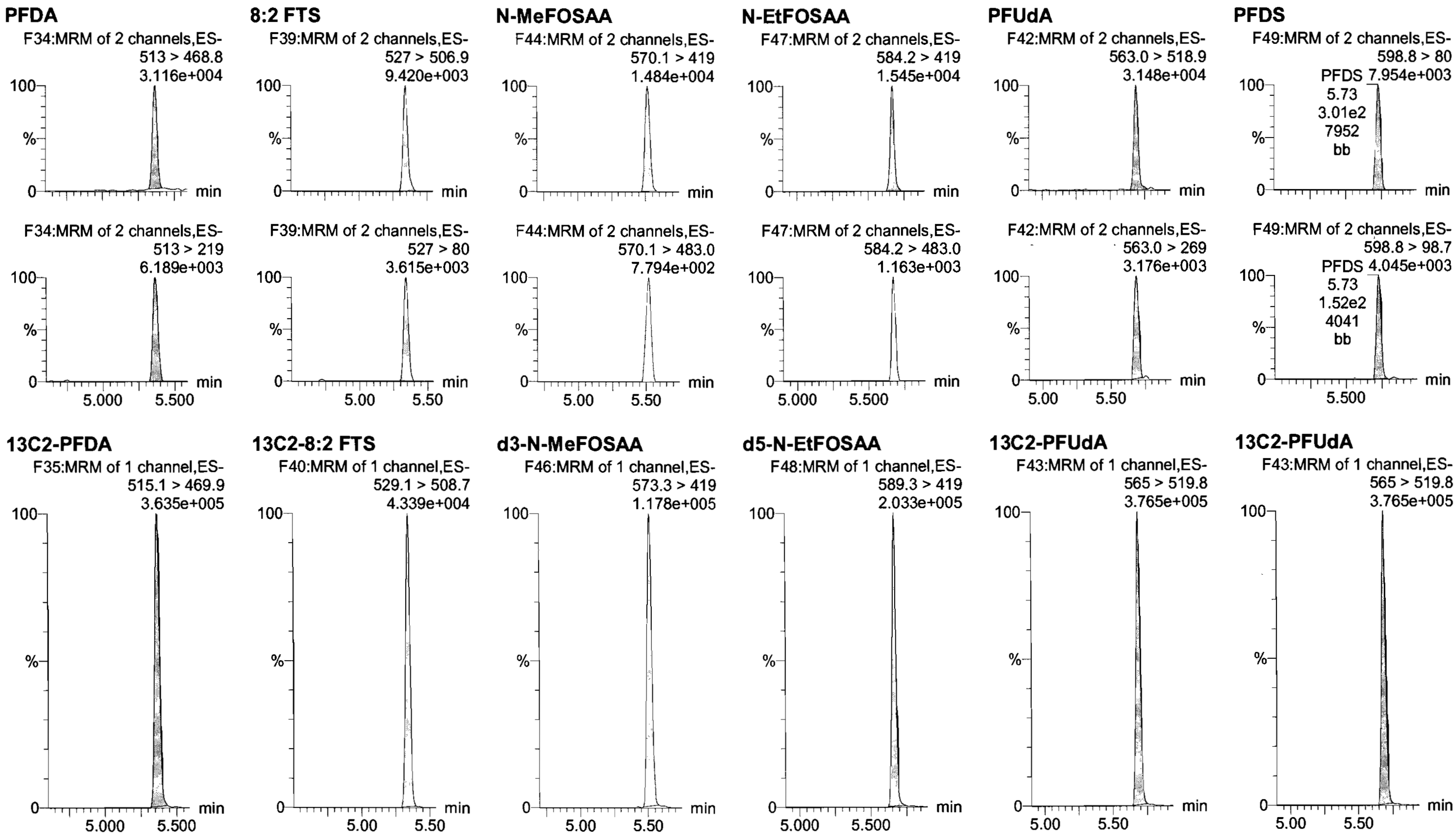

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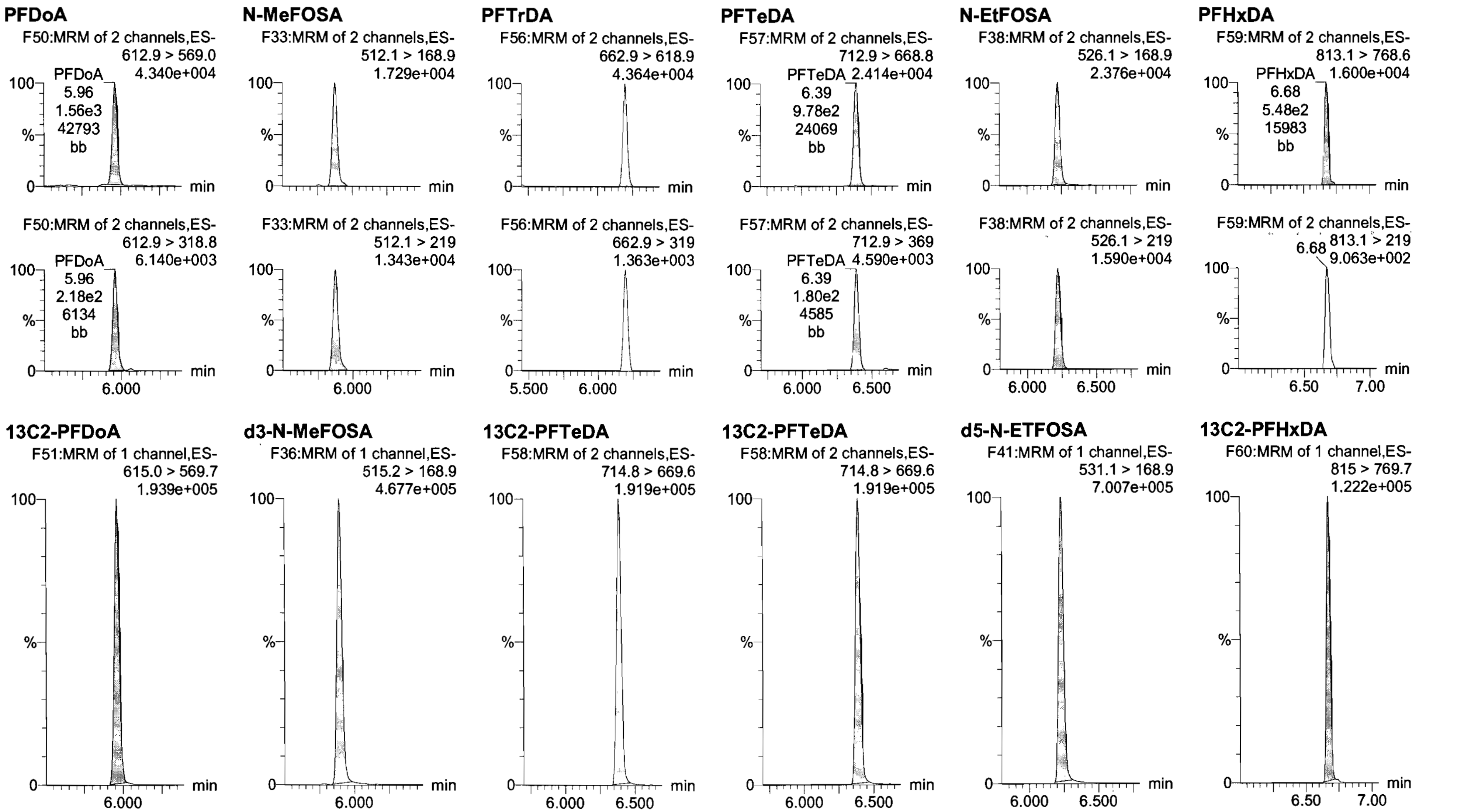

Vista Analytical Laboratory

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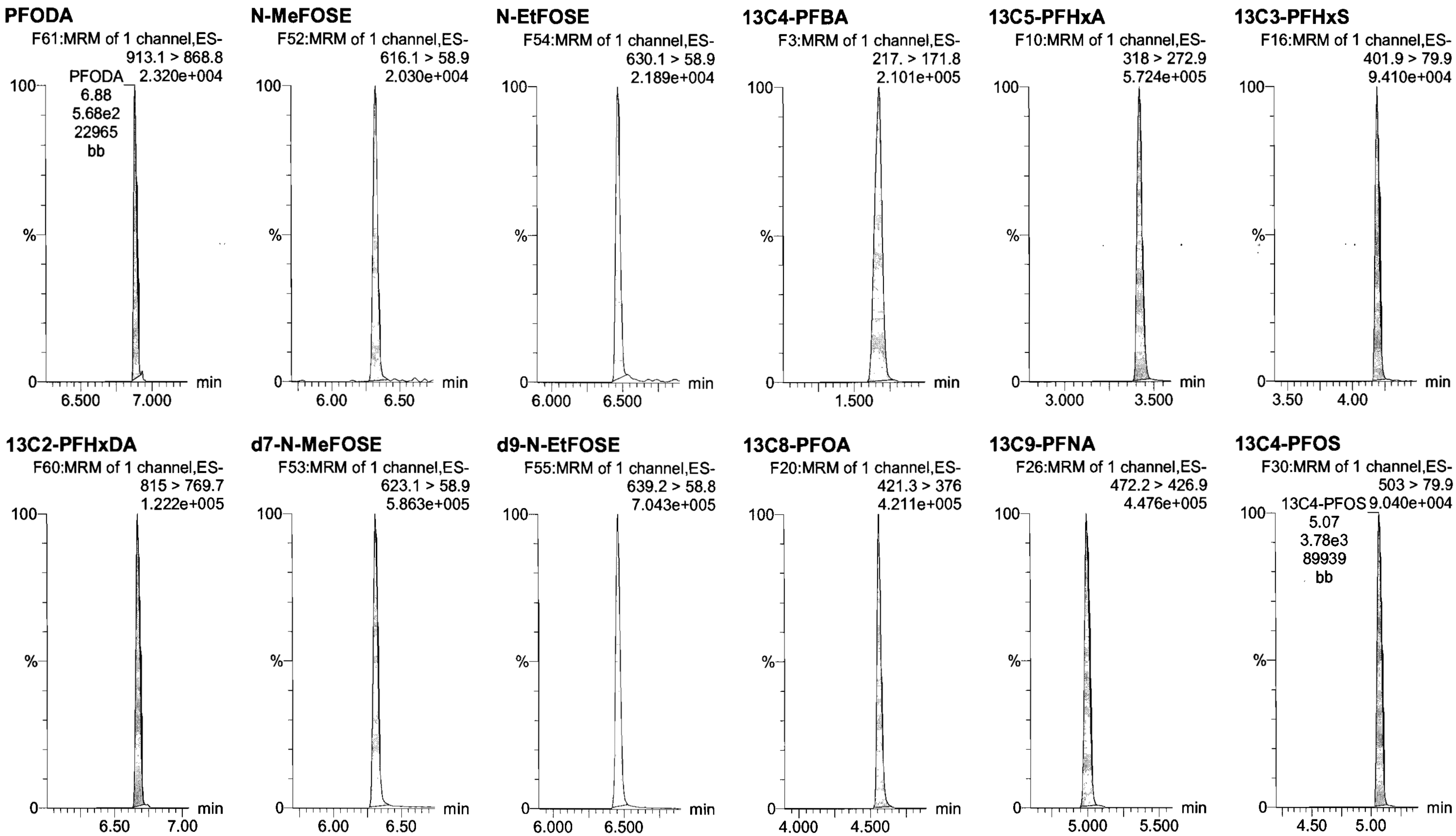

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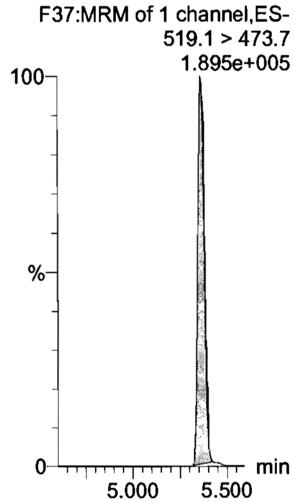
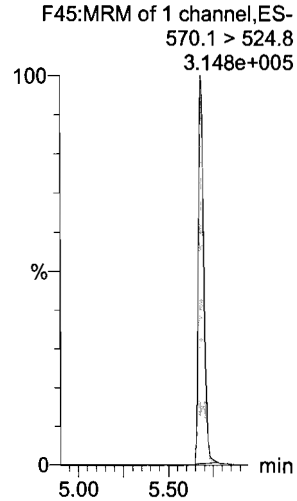
13C6-PFDA



13C7-PFUdA



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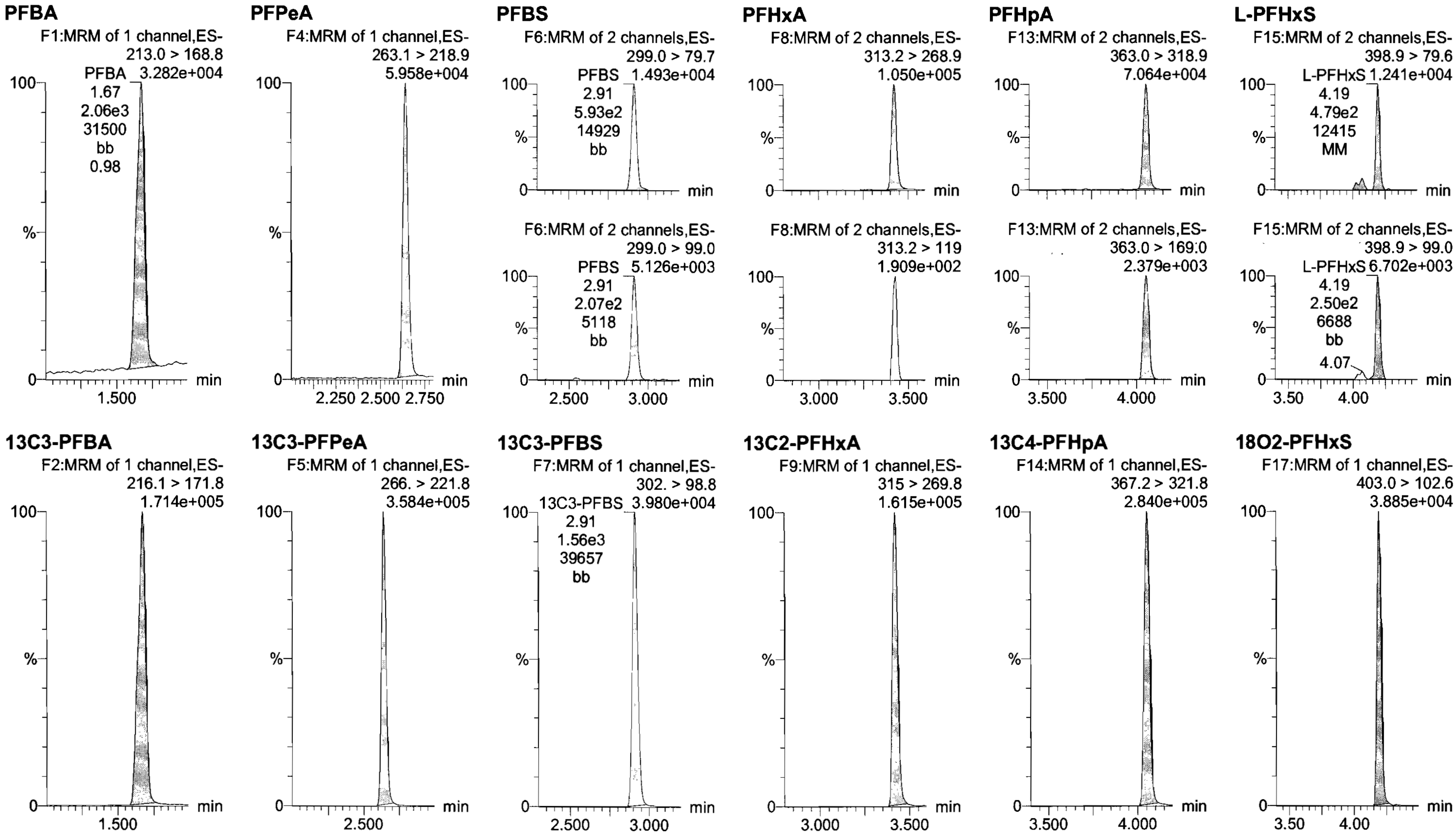

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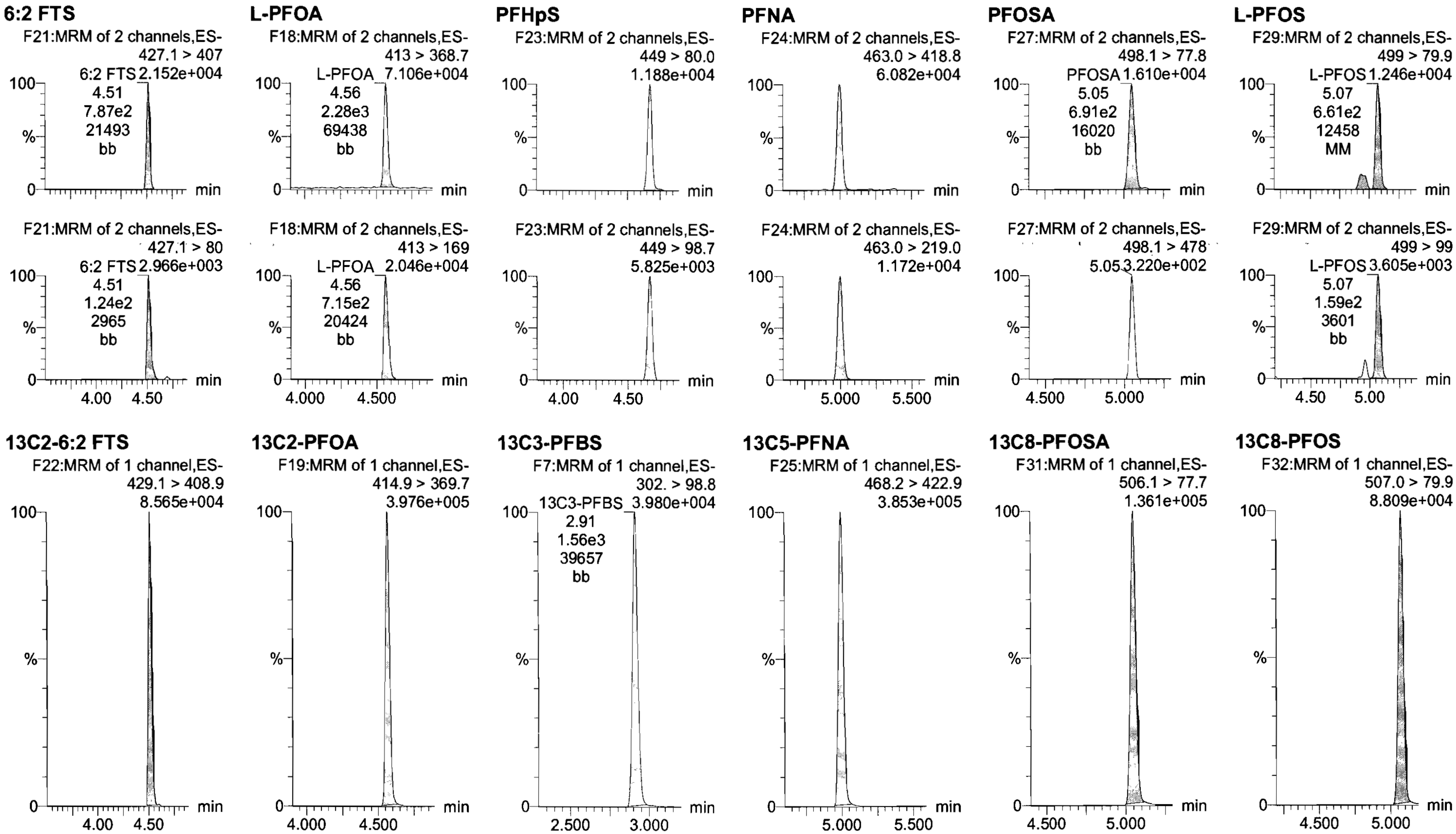

Vista Analytical Laboratory

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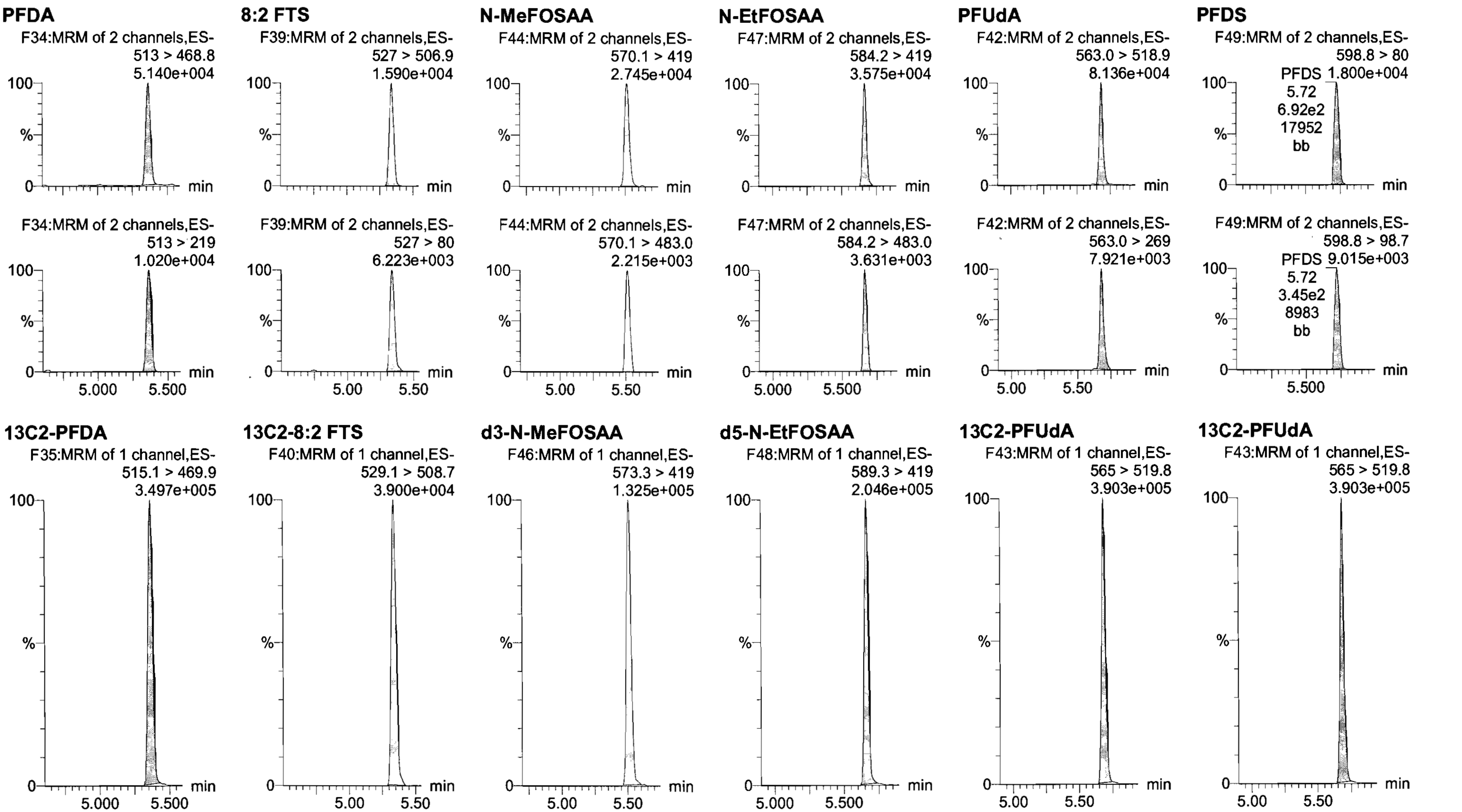

Vista Analytical Laboratory

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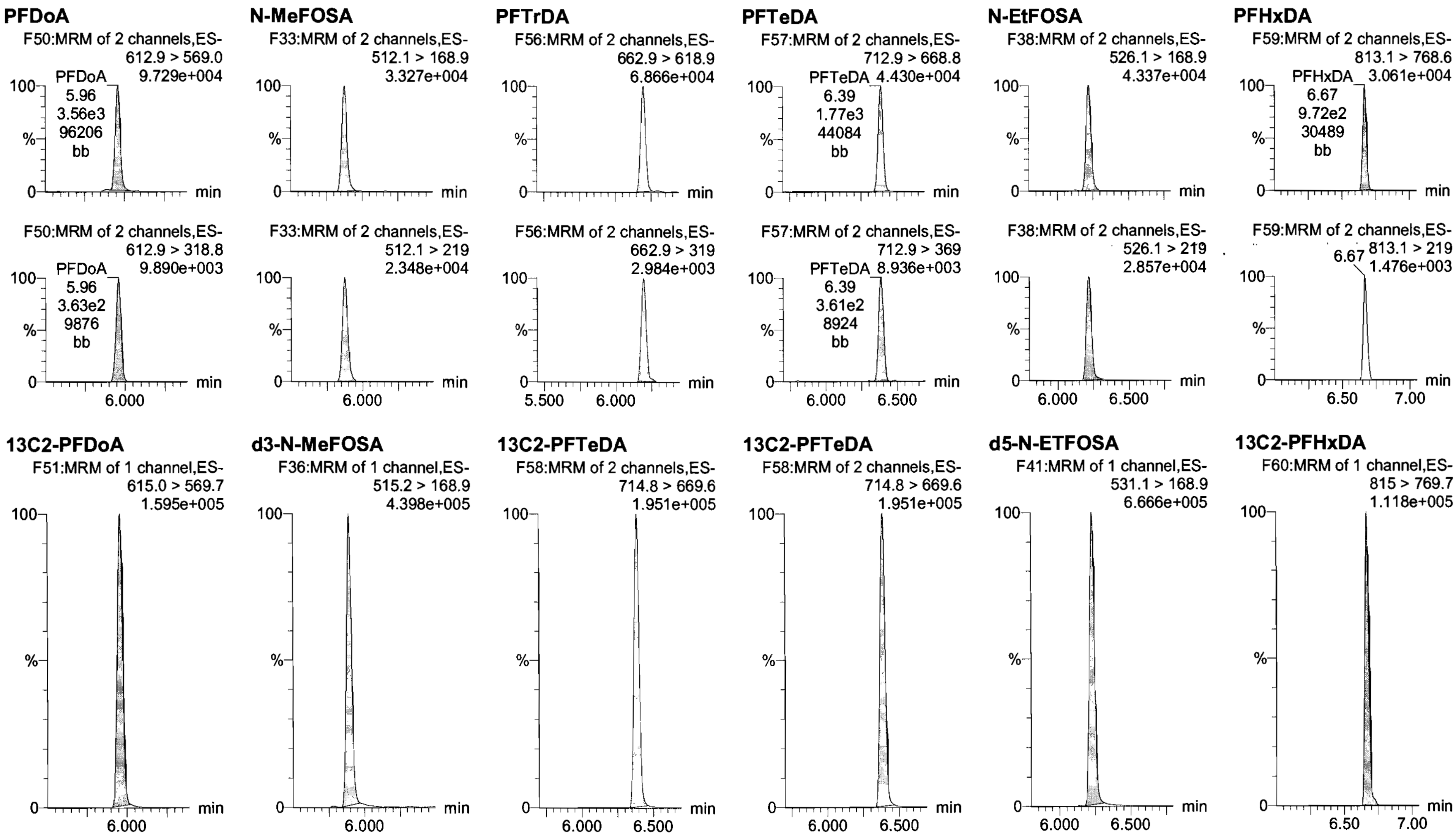

Vista Analytical Laboratory

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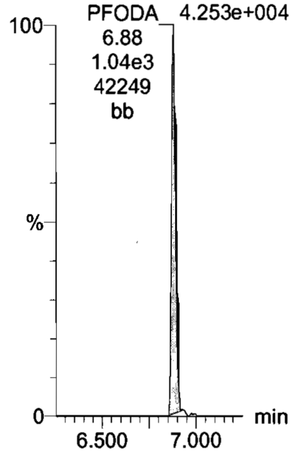
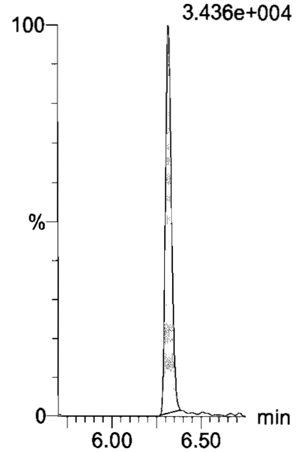
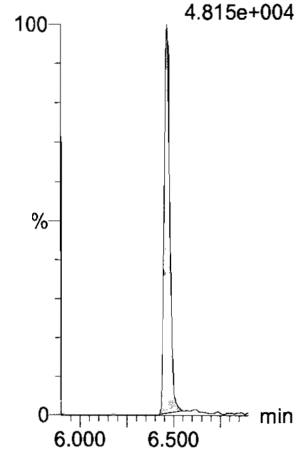
PFODA
F61:MRM of 1 channel,ES-
913.1 > 868.8
4.253e+004



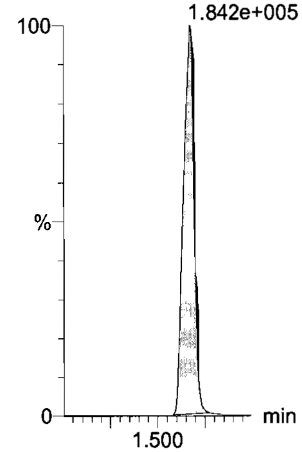
N-MeFOSE
F52:MRM of 1 channel,ES-
616.1 > 58.9
3.436e+004



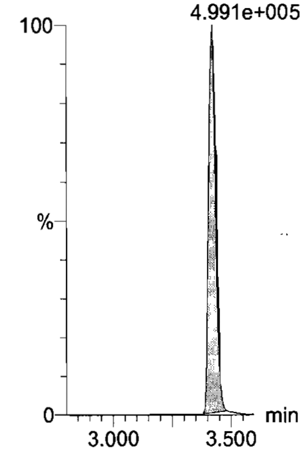
N-EtFOSE
F54:MRM of 1 channel,ES-
630.1 > 58.9
4.815e+004



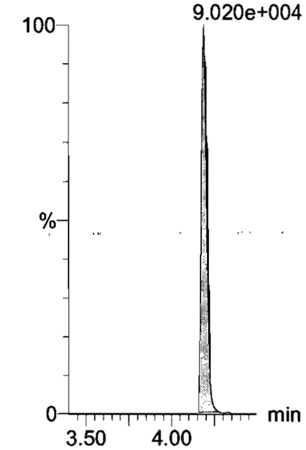
13C4-PFBA
F3:MRM of 1 channel,ES-
217. > 171.8
1.842e+005



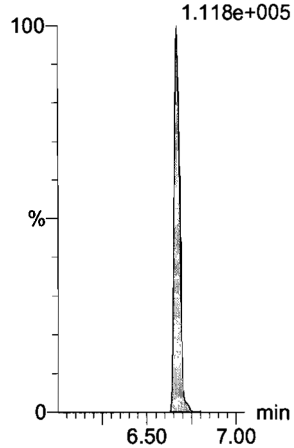
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
4.991e+005



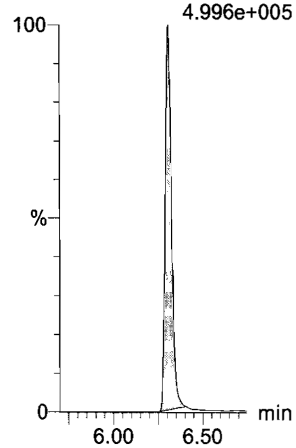
13C3-PFHxS
F16:MRM of 1 channel,ES-
401.9 > 79.9
9.020e+004



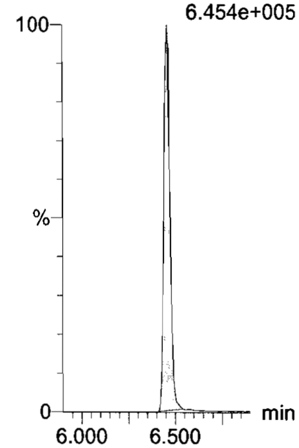
13C2-PFHxDA
F60:MRM of 1 channel,ES-
815 > 769.7
1.118e+005



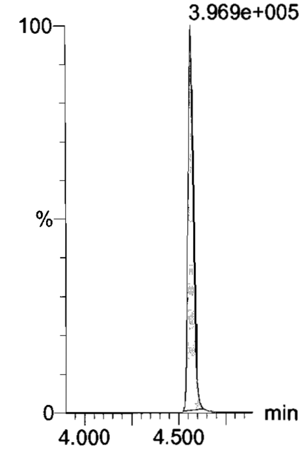
d7-N-MeFOSE
F53:MRM of 1 channel,ES-
623.1 > 58.9
4.996e+005



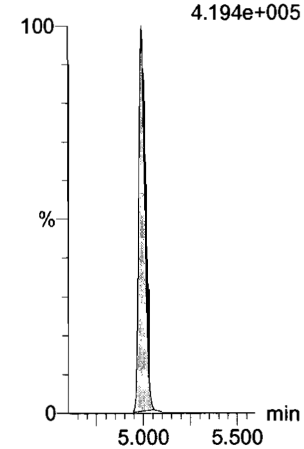
d9-N-EtFOSE
F55:MRM of 1 channel,ES-
639.2 > 58.8
6.454e+005



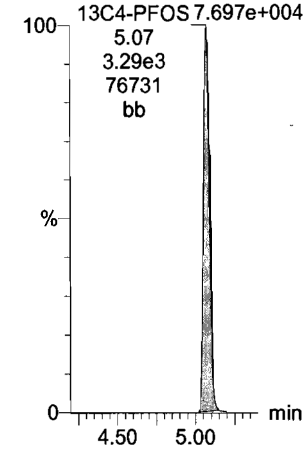
13C8-PFOA
F20:MRM of 1 channel,ES-
421.3 > 376
3.969e+005



13C9-PFNA
F26:MRM of 1 channel,ES-
472.2 > 426.9
4.194e+005



13C4-PFOS
F30:MRM of 1 channel,ES-
503 > 79.9
7.697e+004



Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

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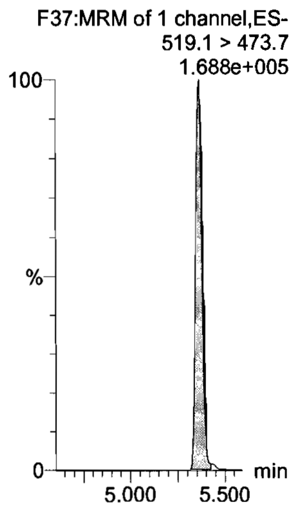
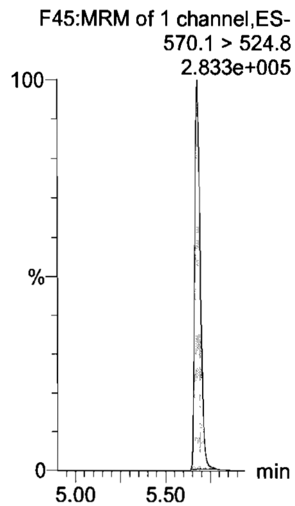
Name: 171129M1_6, Date: 29-Nov-2017, Time: 13:15:26, ID: ST171129M1-4 PFC CS1 17K2814, Description: PFC CS1 17K2814

13C6-PFDA



13C7-PFUdA



Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:35:03 Pacific Standard Time

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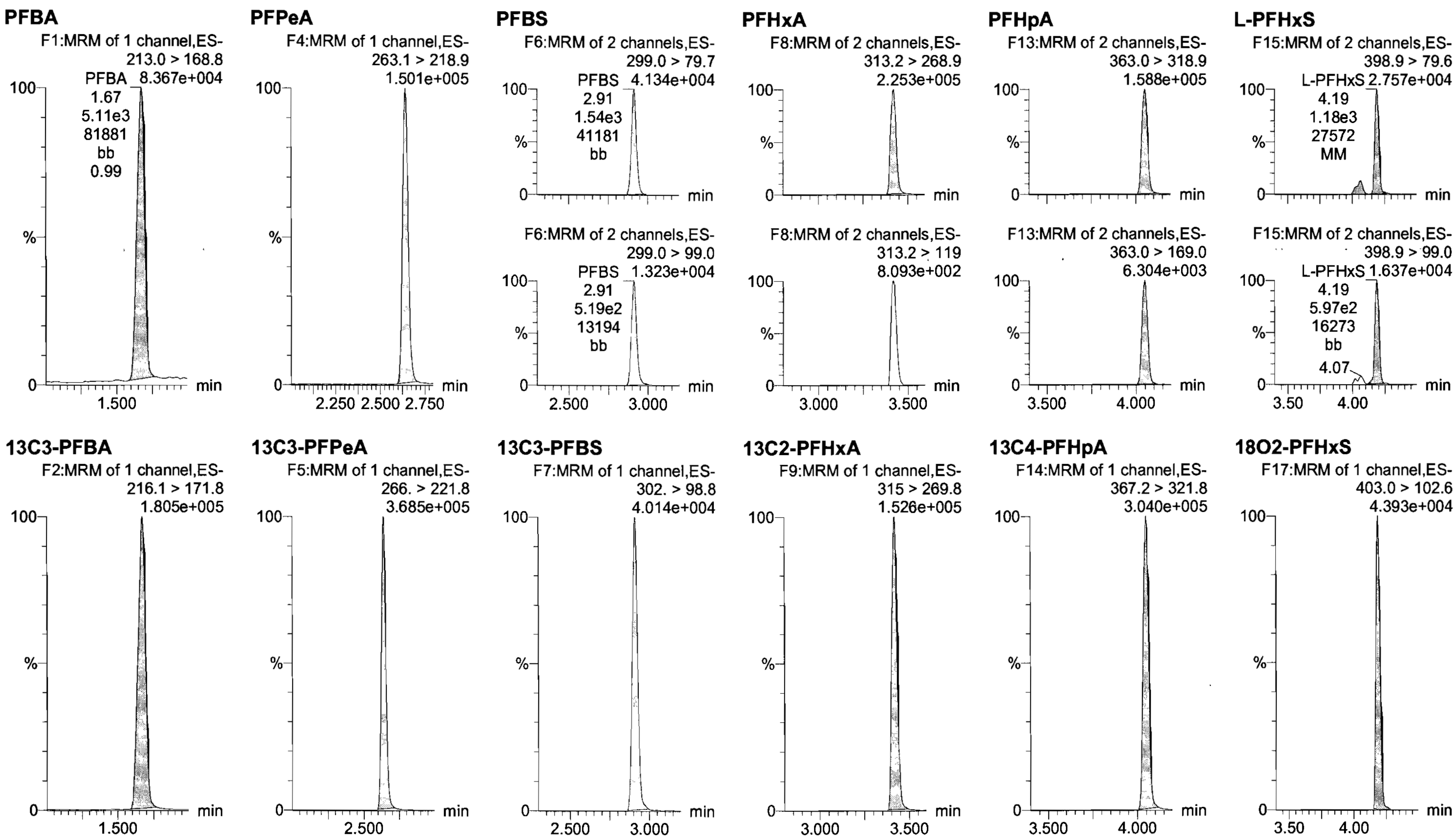

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

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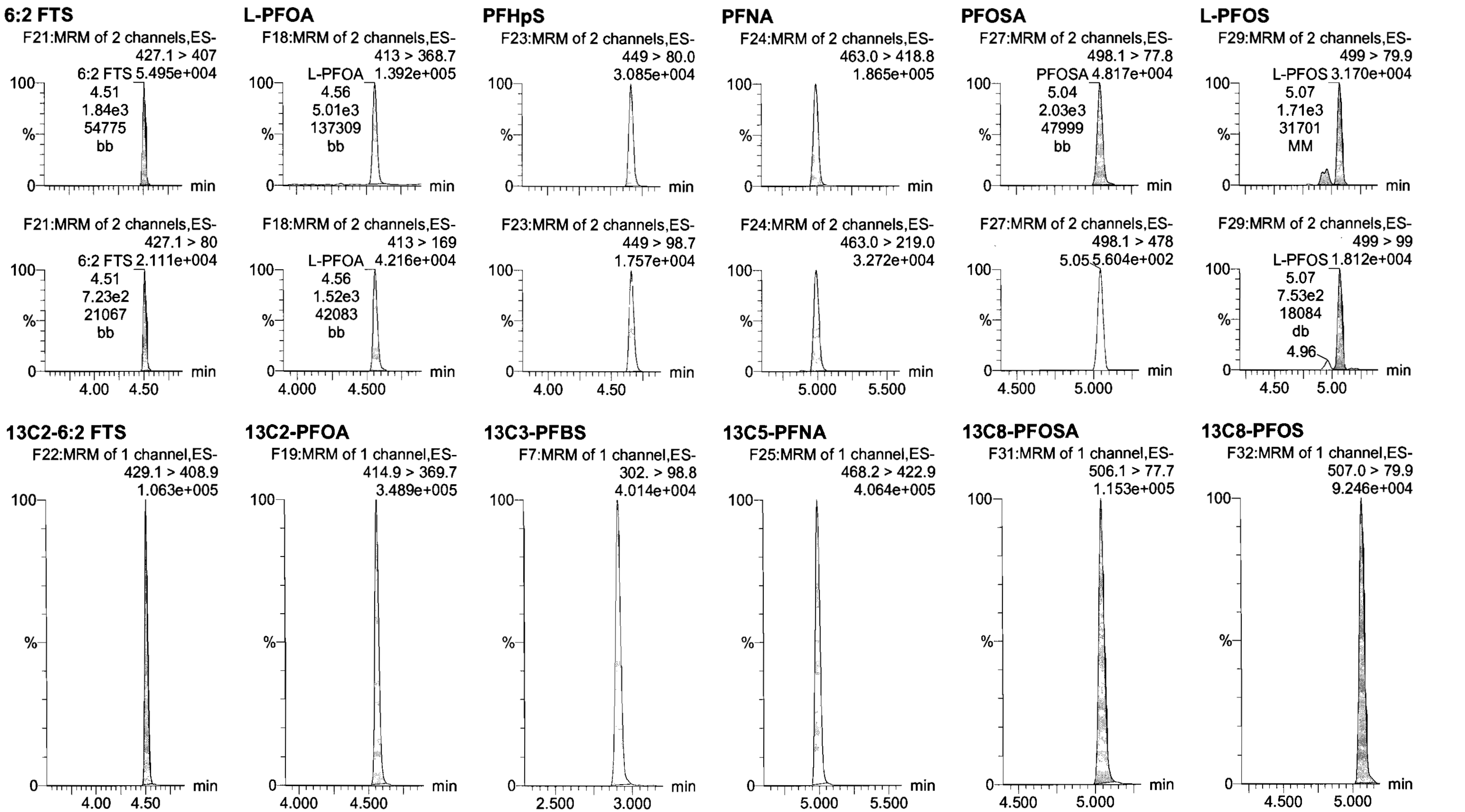

Vista Analytical Laboratory

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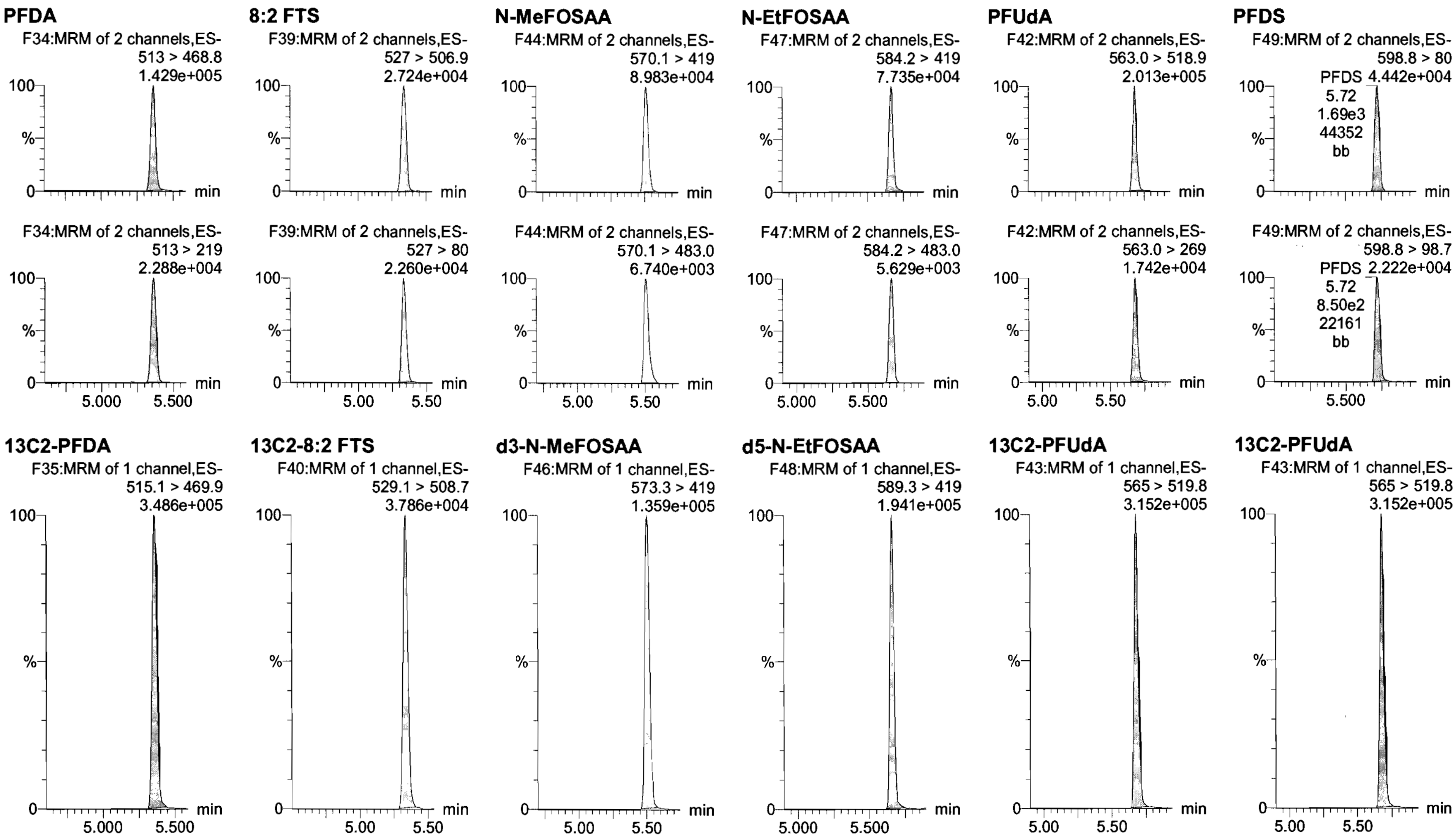
Printed: Wednesday, November 29, 2017 15:35:03 Pacific Standard Time

Name: 171129M1_7, Date: 29-Nov-2017, Time: 13:26:37, ID: ST171129M1-5 PFC CS2 17K2809, Description: PFC CS2 17K2809



Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:35:03 Pacific Standard Time

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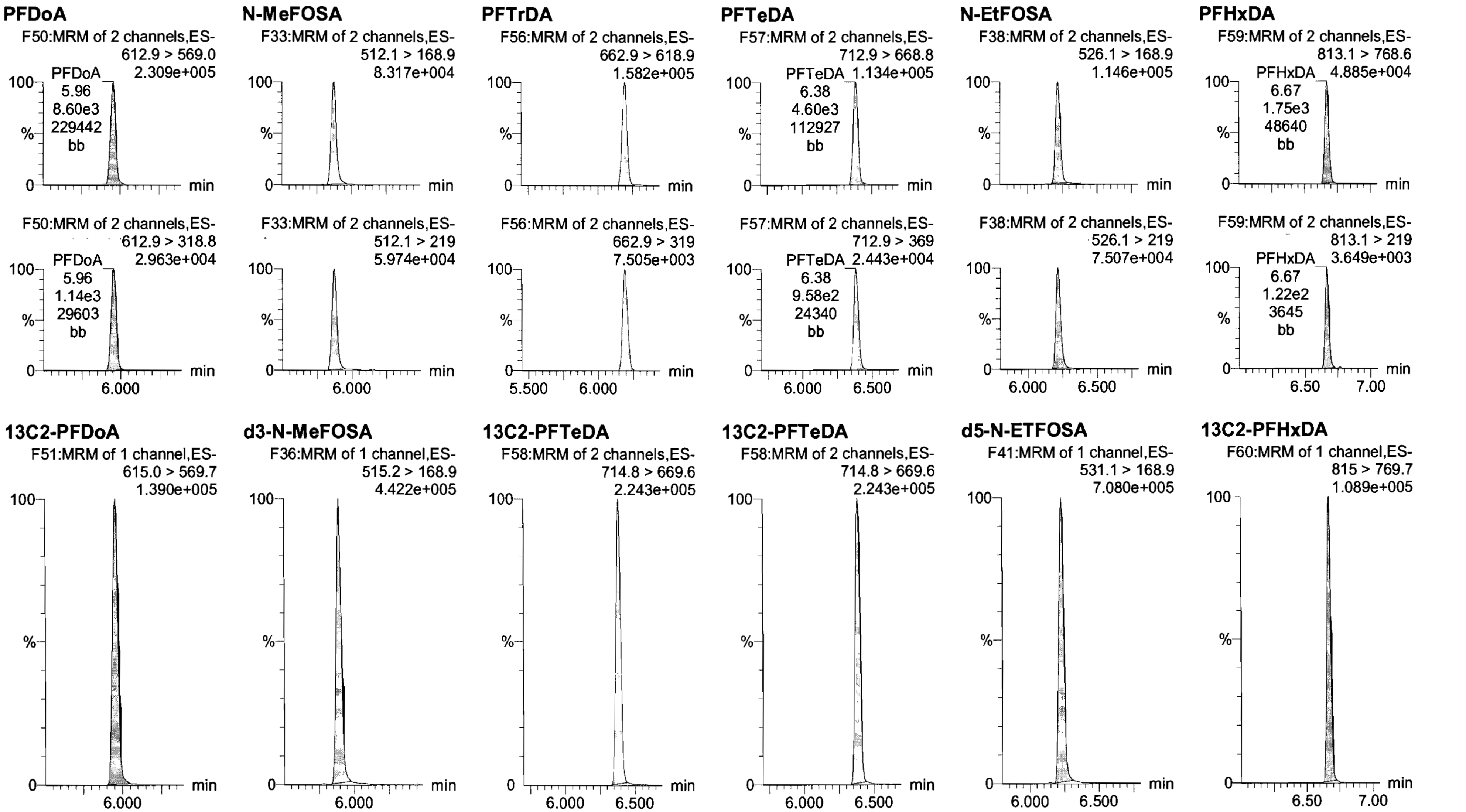

Vista Analytical Laboratory

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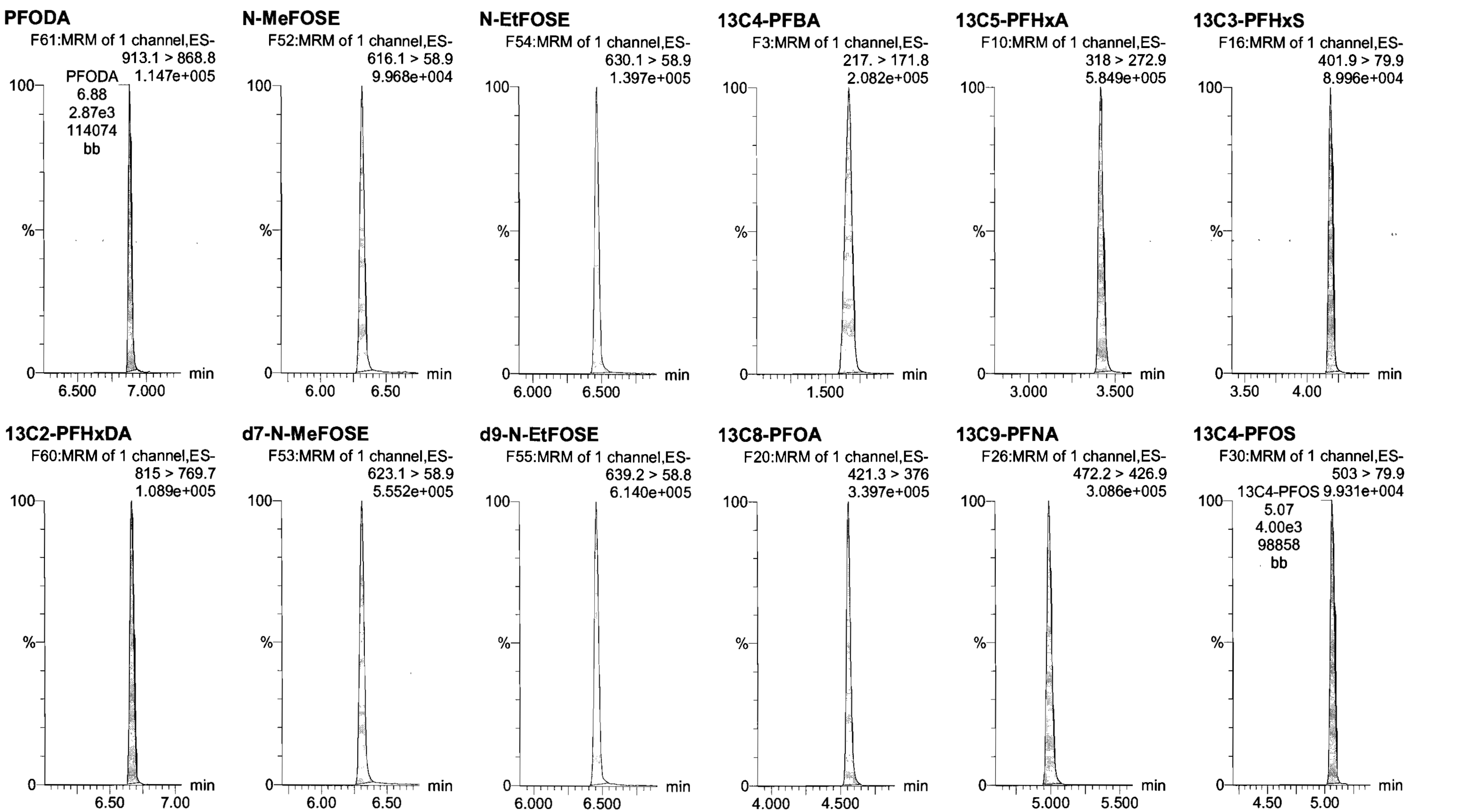
Name: 171129M1_7, Date: 29-Nov-2017, Time: 13:26:37, ID: ST171129M1-5 PFC CS2 17K2809, Description: PFC CS2 17K2809



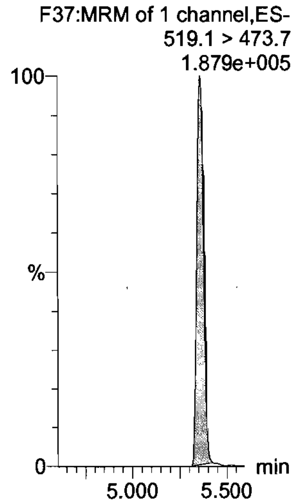
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

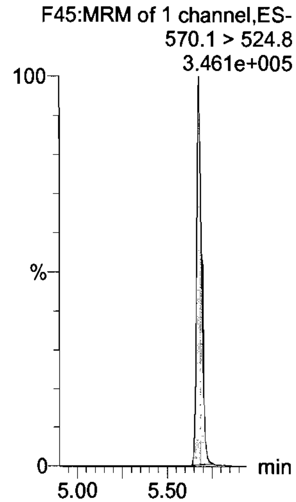
Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:35:03 Pacific Standard Time

Name: 171129M1_7, Date: 29-Nov-2017, Time: 13:26:37, ID: ST171129M1-5 PFC CS2 17K2809, Description: PFC CS2 17K2809

13C6-PFDA



13C7-PFUdA

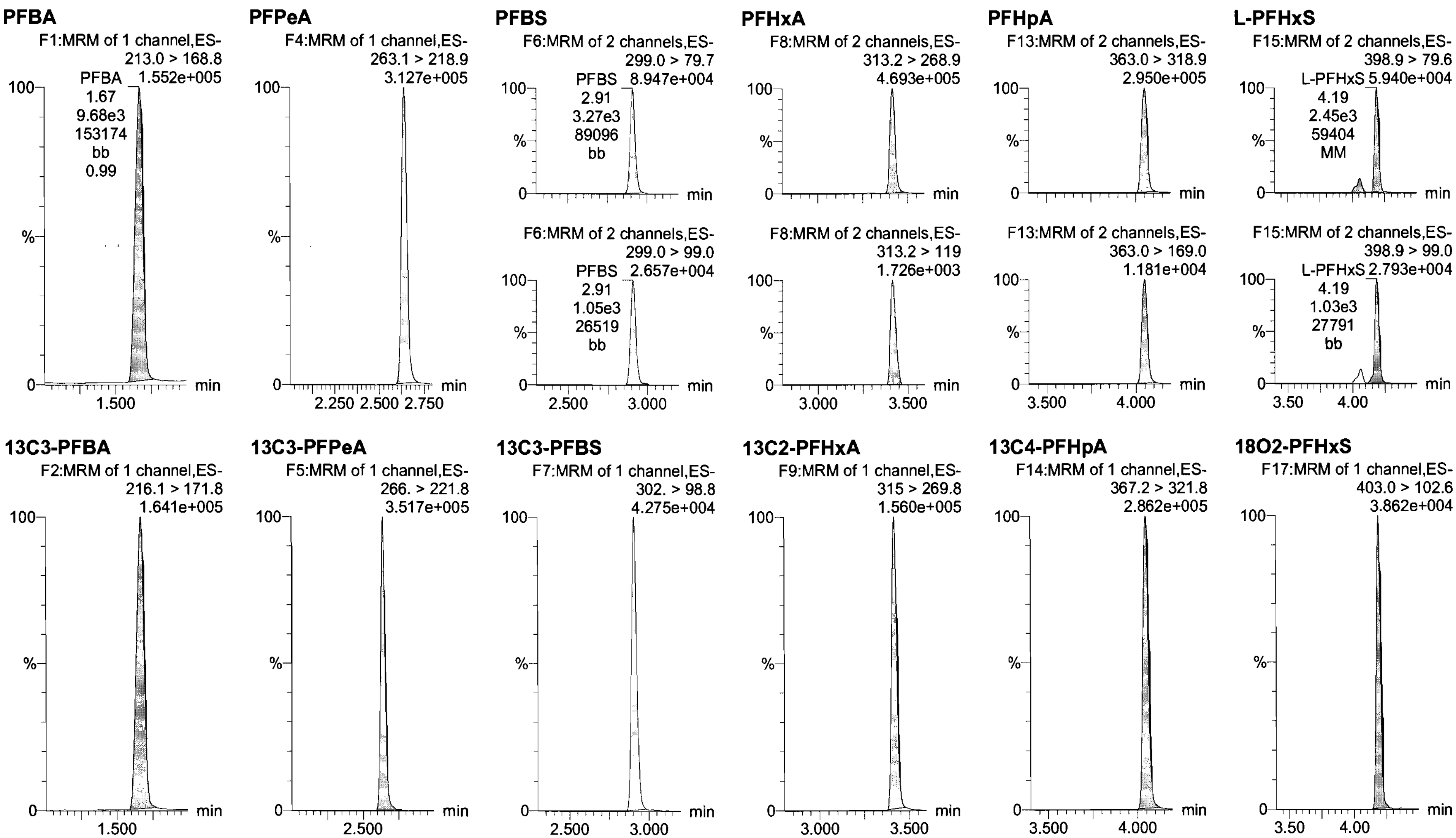


Quantify Sample Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:35:03 Pacific Standard Time

Name: 171129M1_8, Date: 29-Nov-2017, Time: 13:37:47, ID: ST171129M1-6 PFC CS3 17K2810, Description: PFC CS3 17K2810

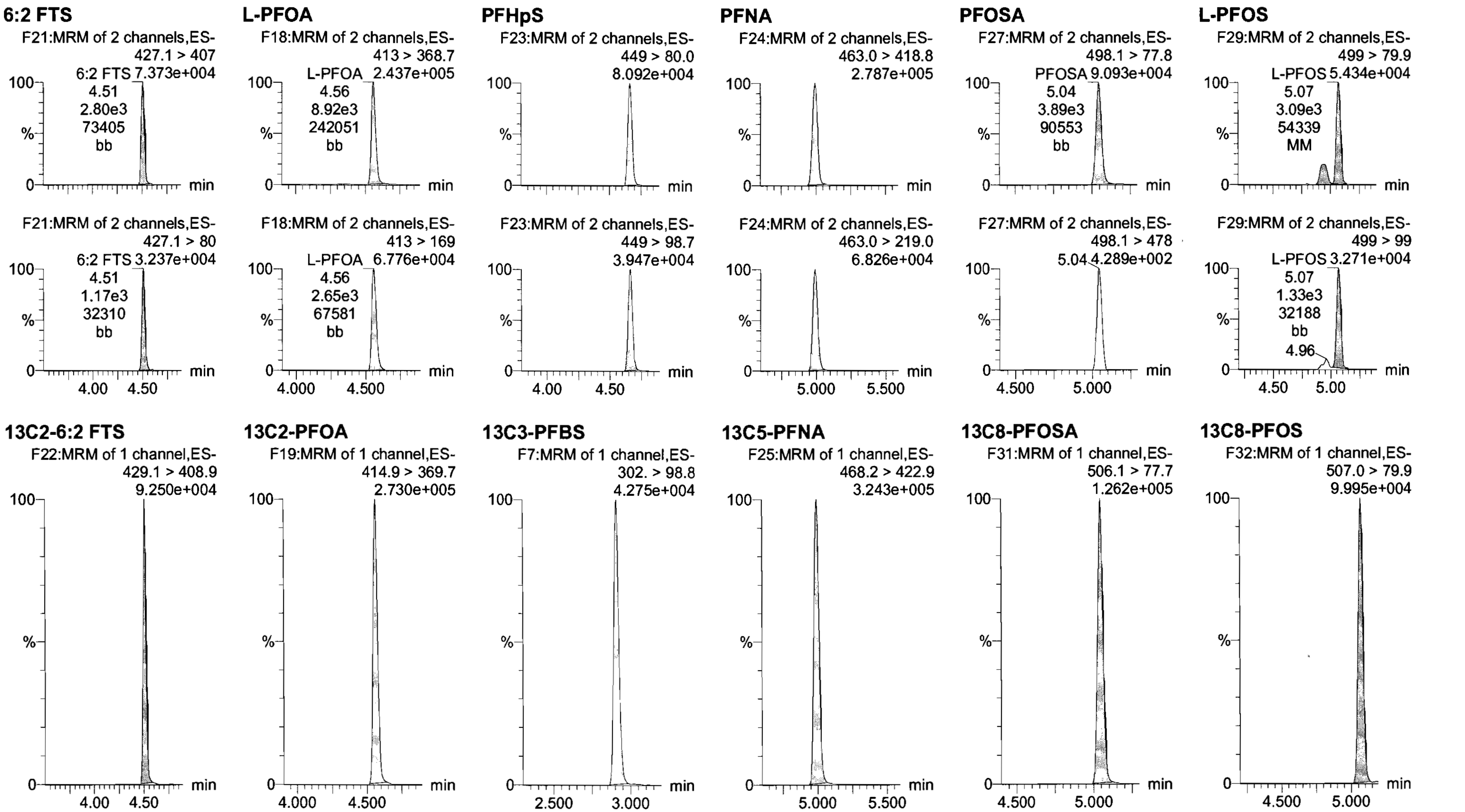


Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:35:03 Pacific Standard Time

Name: 171129M1_8, Date: 29-Nov-2017, Time: 13:37:47, ID: ST171129M1-6 PFC CS3 17K2810, Description: PFC CS3 17K2810

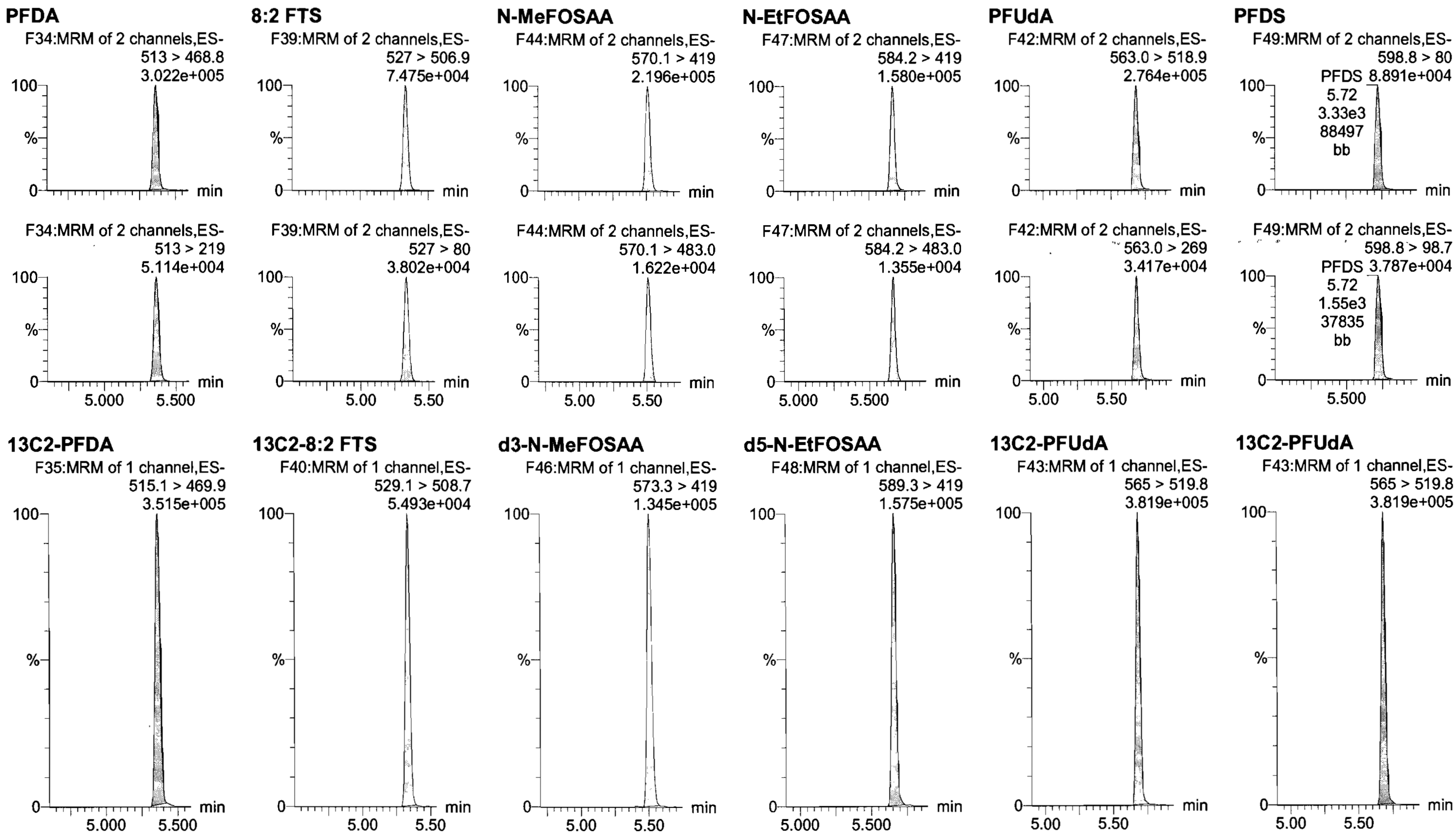


Quantify Sample Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:35:03 Pacific Standard Time

Name: 171129M1_8, Date: 29-Nov-2017, Time: 13:37:47, ID: ST171129M1-6 PFC CS3 17K2810, Description: PFC CS3 17K2810



Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
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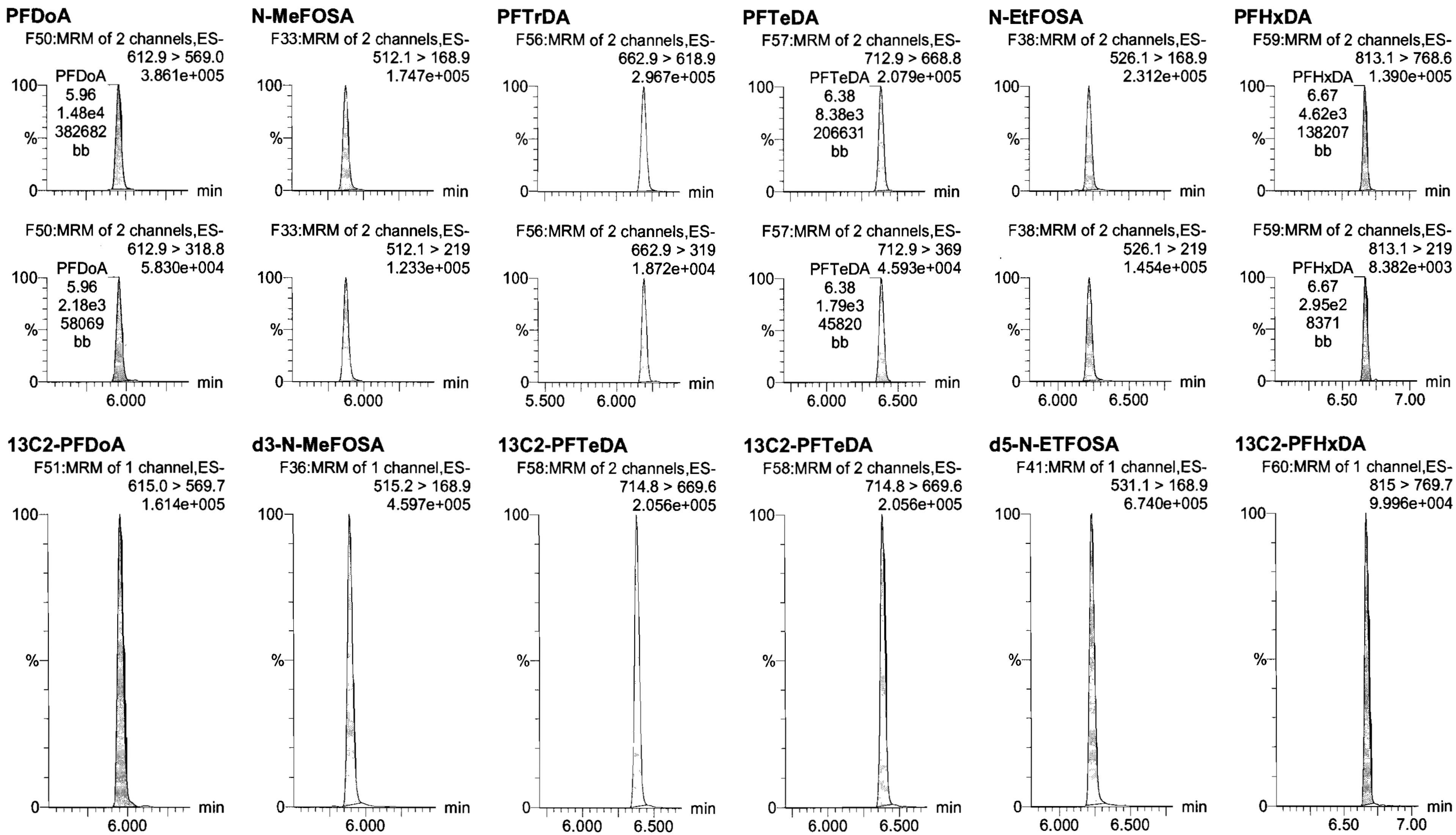
Name: 171129M1_8, Date: 29-Nov-2017, Time: 13:37:47, ID: ST171129M1-6 PFC CS3 17K2810, Description: PFC CS3 17K2810



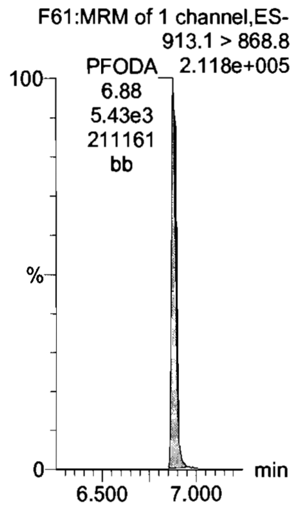
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

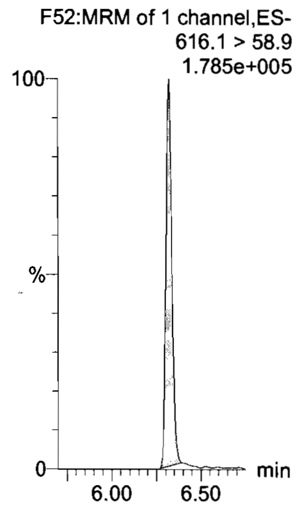
Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:35:03 Pacific Standard Time

Name: 171129M1_8, Date: 29-Nov-2017, Time: 13:37:47, ID: ST171129M1-6 PFC CS3 17K2810, Description: PFC CS3 17K2810

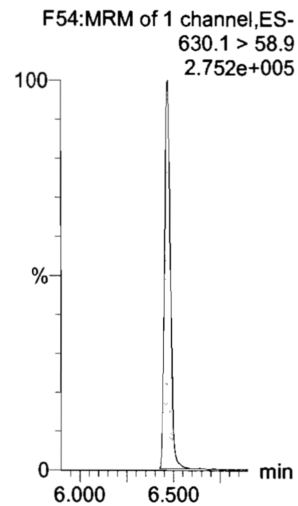
PFODA



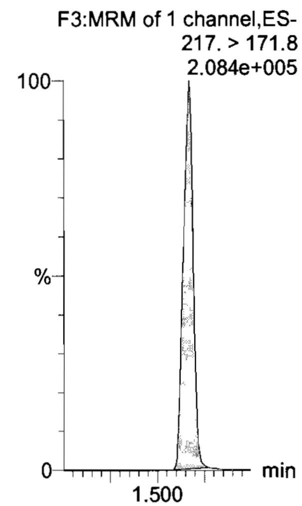
N-MeFOSE



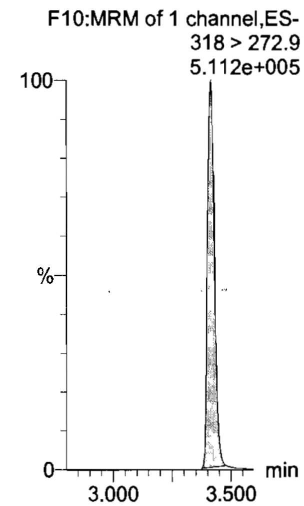
N-EtFOSE



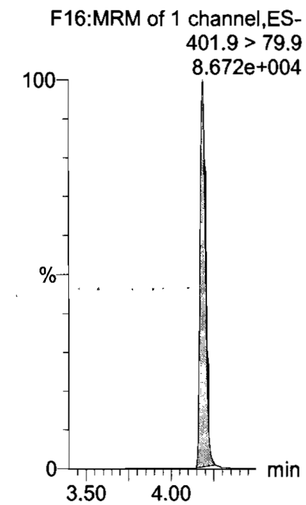
13C4-PFBA



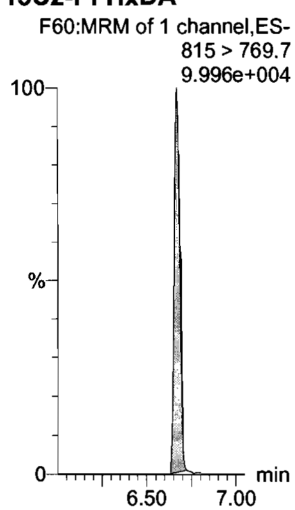
13C5-PFHxA



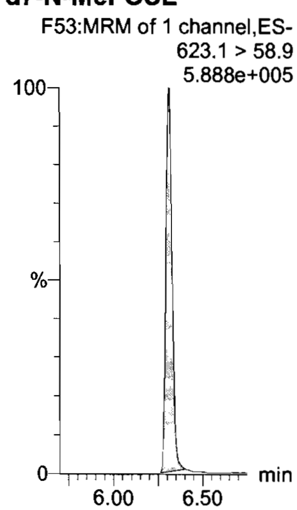
13C3-PFHxS



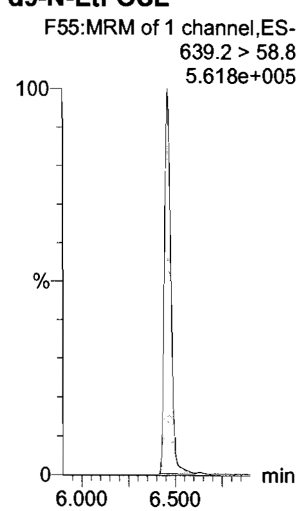
13C2-PFHxDA



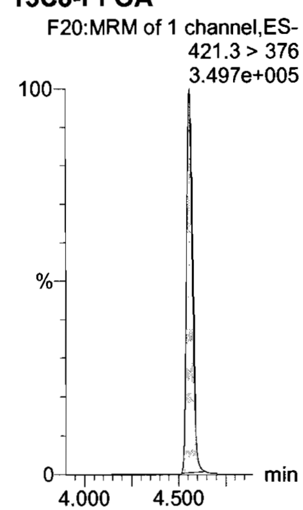
d7-N-MeFOSE



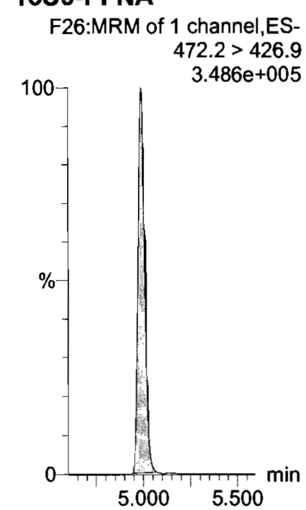
d9-N-EtFOSE



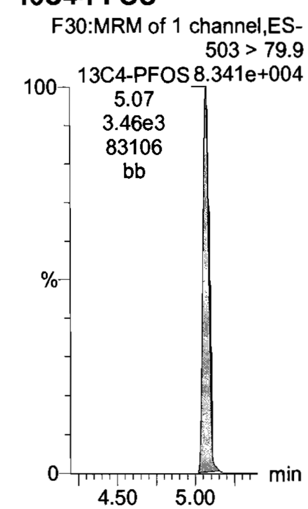
13C8-PFOA



13C9-PFNA



13C4-PFOS

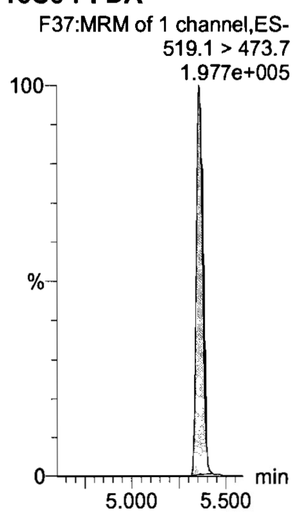


Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

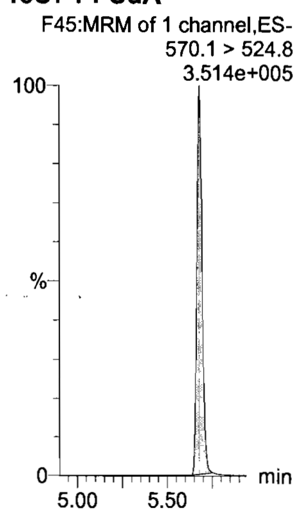
Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:35:03 Pacific Standard Time

Name: 171129M1_8, Date: 29-Nov-2017, Time: 13:37:47, ID: ST171129M1-6 PFC CS3 17K2810, Description: PFC CS3 17K2810

13C6-PFDA



13C7-PFUdA

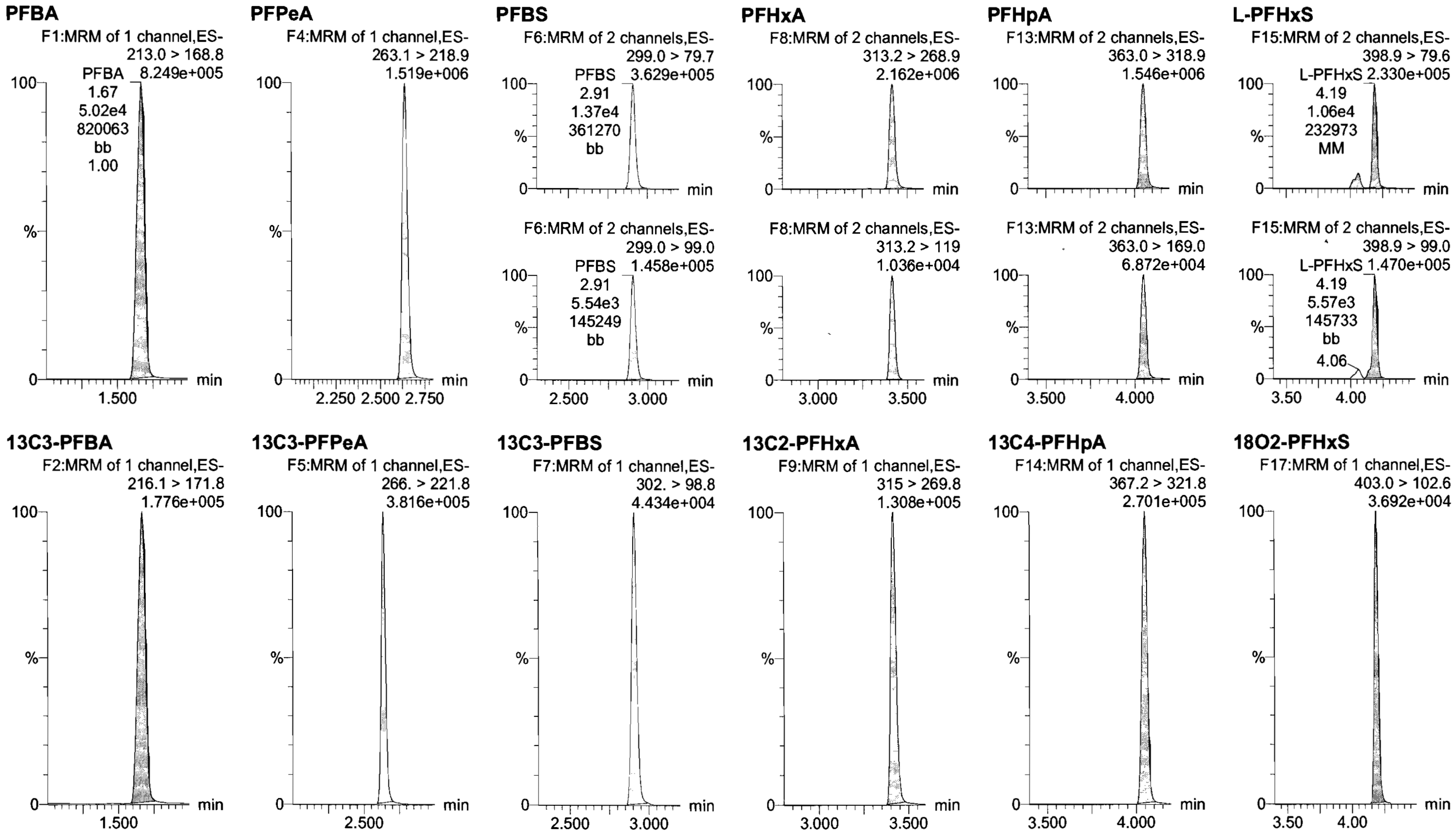


Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:35:03 Pacific Standard Time

Name: 171129M1_9, Date: 29-Nov-2017, Time: 13:48:58, ID: ST171129M1-7 PFC CS4 17K2811, Description: PFC CS4 17K2811

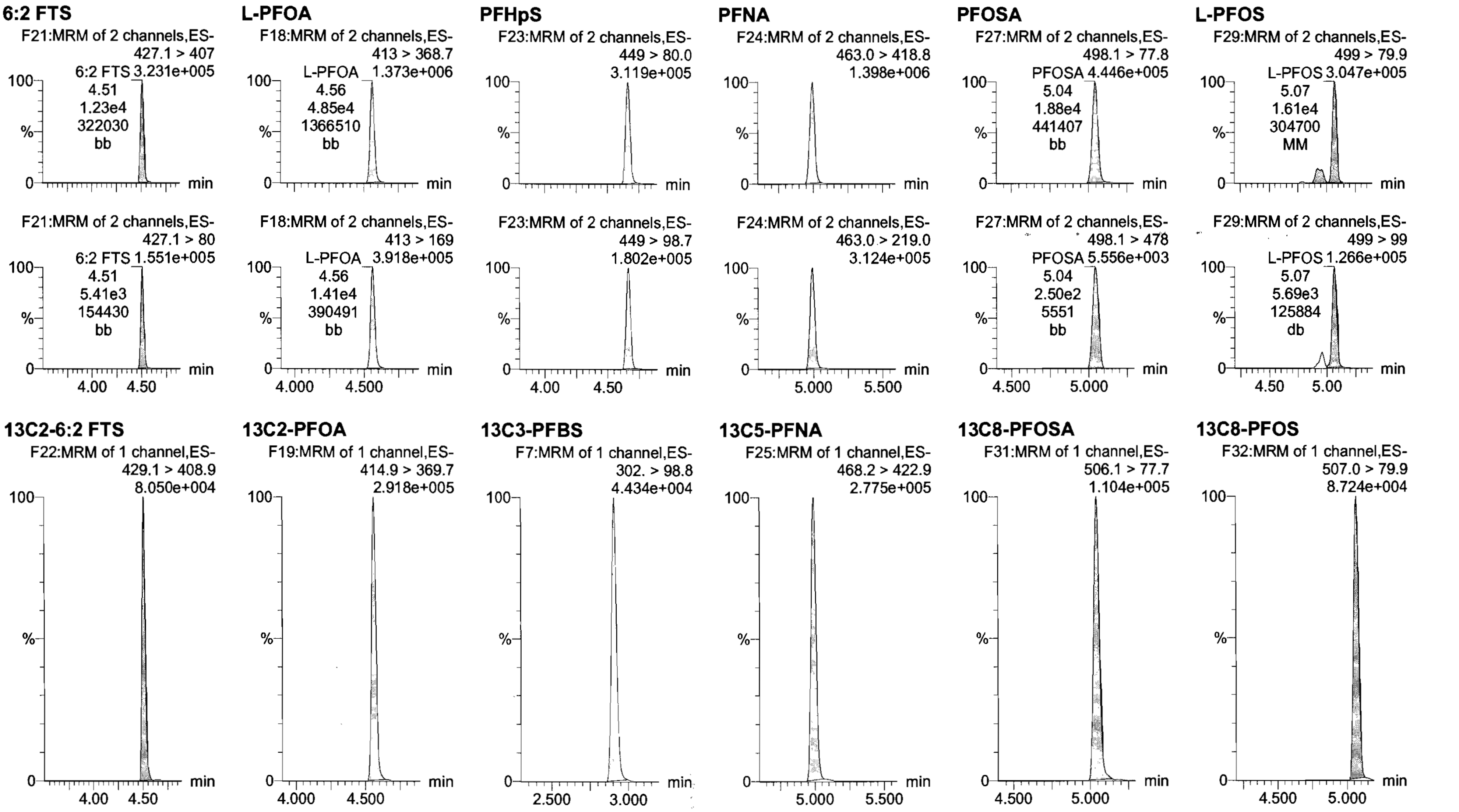


Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:35:03 Pacific Standard Time

Name: 171129M1_9, Date: 29-Nov-2017, Time: 13:48:58, ID: ST171129M1-7 PFC CS4 17K2811, Description: PFC CS4 17K2811



Vista Analytical Laboratory

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Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
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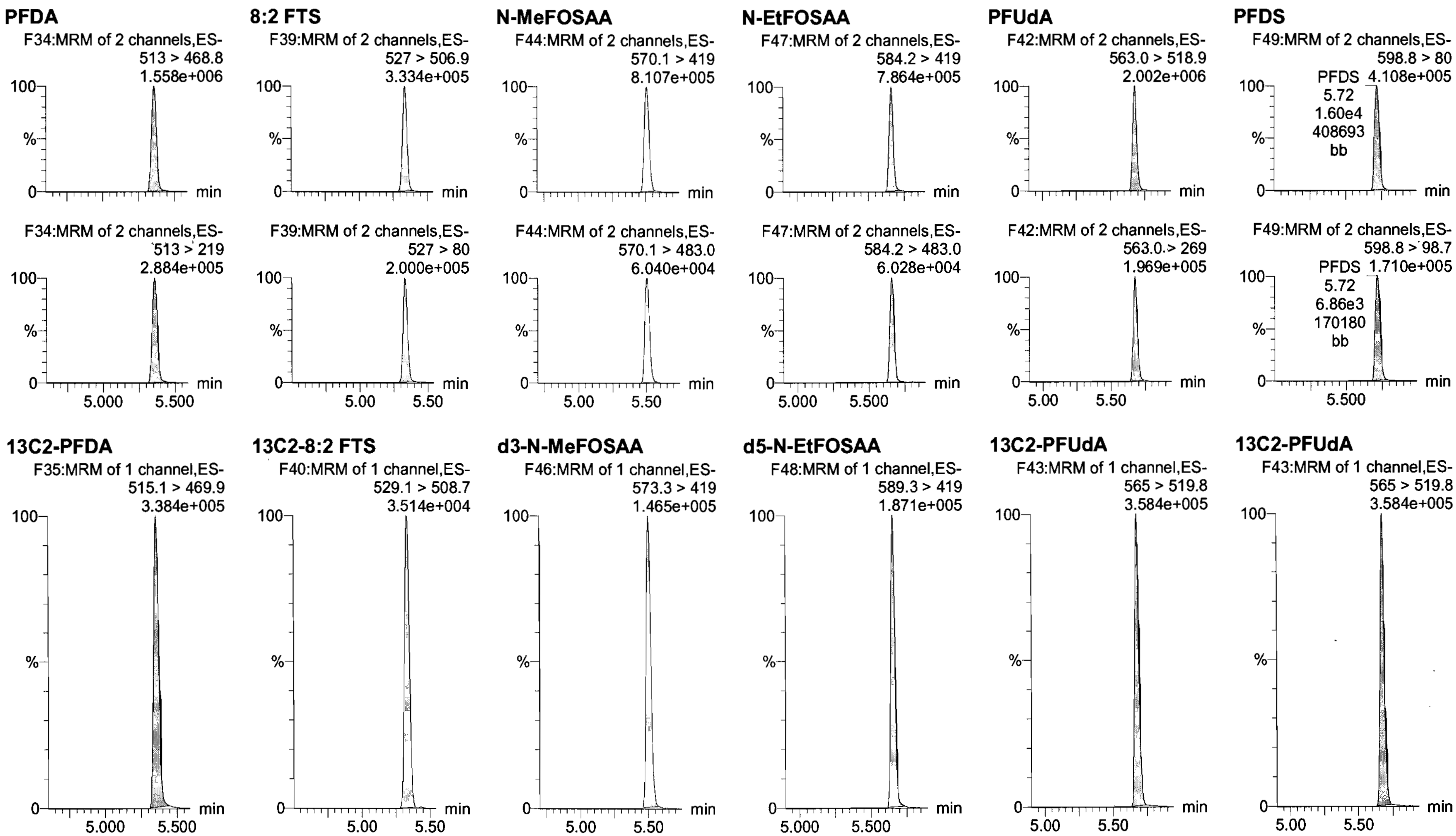
Name: 171129M1_9, Date: 29-Nov-2017, Time: 13:48:58, ID: ST171129M1-7 PFC CS4 17K2811, Description: PFC CS4 17K2811



Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

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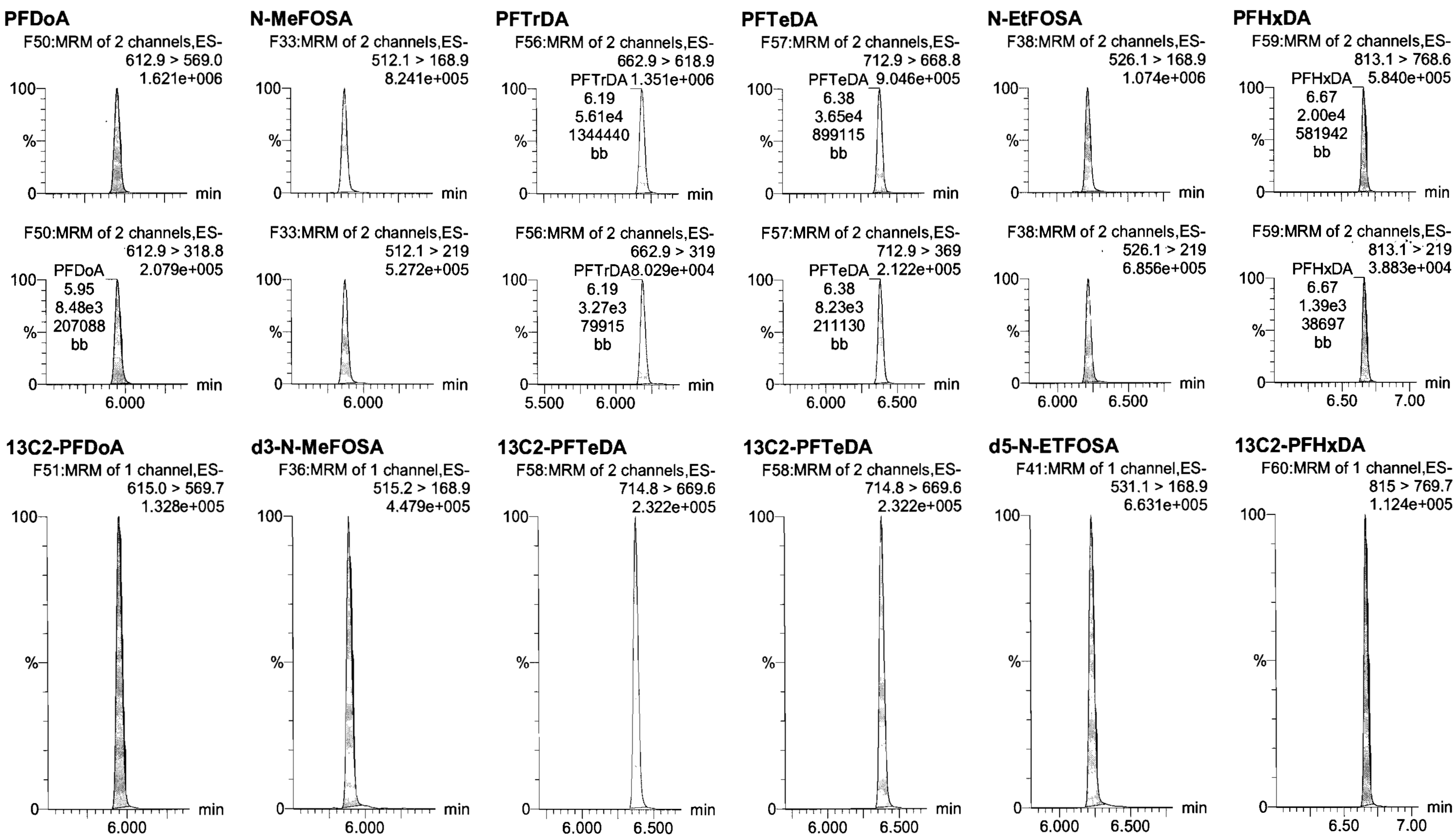
Printed: Wednesday, November 29, 2017 15:35:03 Pacific Standard Time

Name: 171129M1_9, Date: 29-Nov-2017, Time: 13:48:58, ID: ST171129M1-7 PFC CS4 17K2811, Description: PFC CS4 17K2811



Quantify Sample Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
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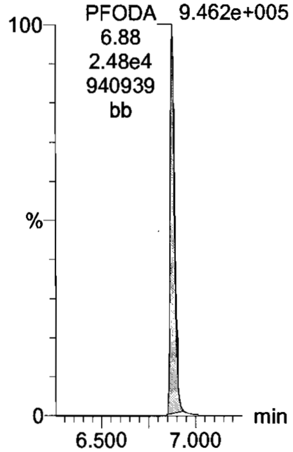
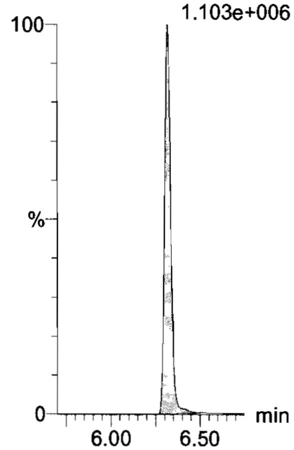
Name: 171129M1_9, Date: 29-Nov-2017, Time: 13:48:58, ID: ST171129M1-7 PFC CS4 17K2811, Description: PFC CS4 17K2811

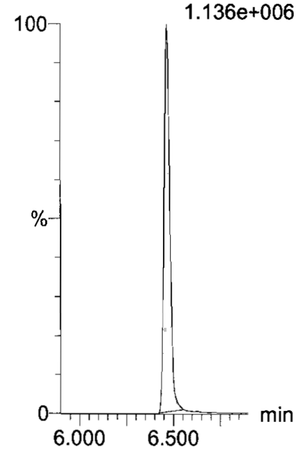
PFODA
F61:MRM of 1 channel,ES-
913.1 > 868.8
9.462e+005



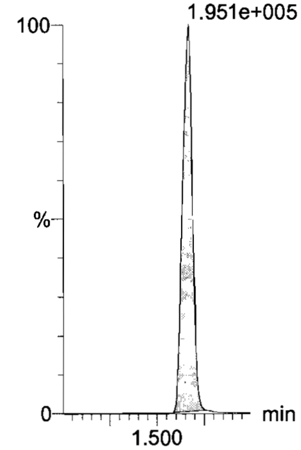
N-MeFOSE
F52:MRM of 1 channel,ES-
616.1 > 58.9
1.103e+006



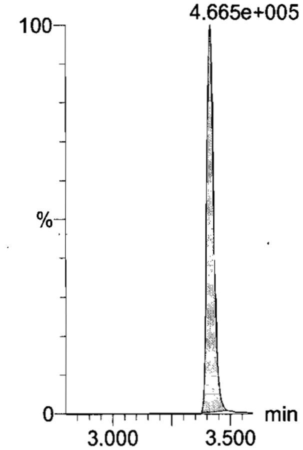
N-EtFOSE
F54:MRM of 1 channel,ES-
630.1 > 58.9
1.136e+006



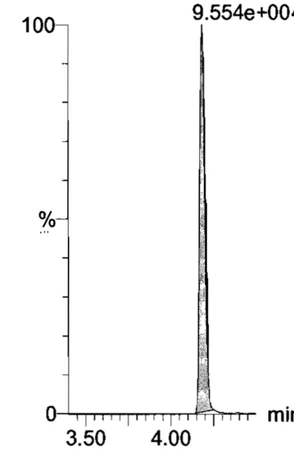
13C4-PFBA
F3:MRM of 1 channel,ES-
217. > 171.8
1.951e+005



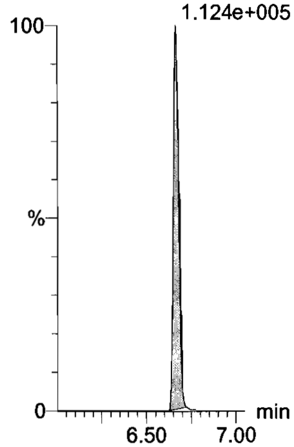
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
4.665e+005



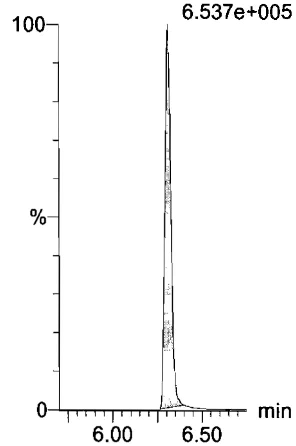
13C3-PFHxS
F16:MRM of 1 channel,ES-
401.9 > 79.9
9.554e+004



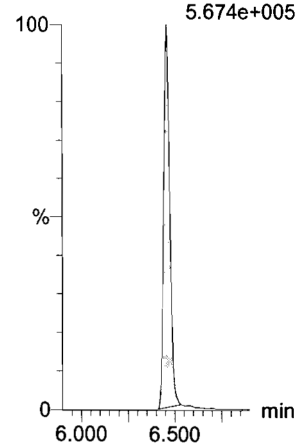
13C2-PFHxDA
F60:MRM of 1 channel,ES-
815 > 769.7
1.124e+005



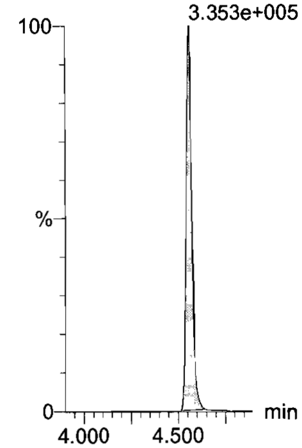
d7-N-MeFOSE
F53:MRM of 1 channel,ES-
623.1 > 58.9
6.537e+005



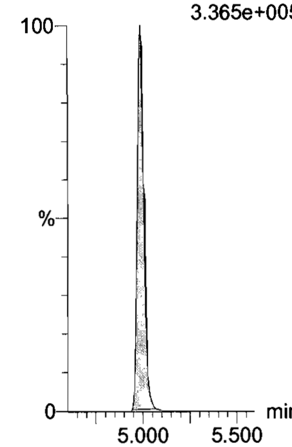
d9-N-EtFOSE
F55:MRM of 1 channel,ES-
639.2 > 58.8
5.674e+005



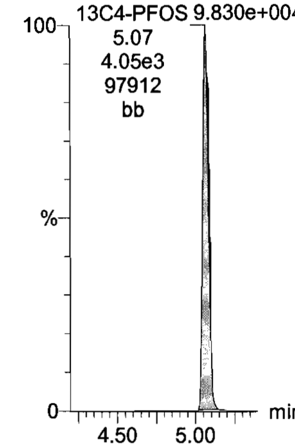
13C8-PFOA
F20:MRM of 1 channel,ES-
421.3 > 376
3.353e+005



13C9-PFNA
F26:MRM of 1 channel,ES-
472.2 > 426.9
3.365e+005



13C4-PFOS
F30:MRM of 1 channel,ES-
503 > 79.9
9.830e+004



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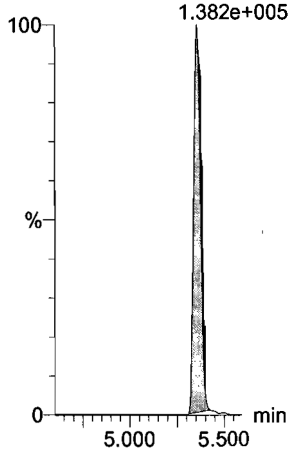
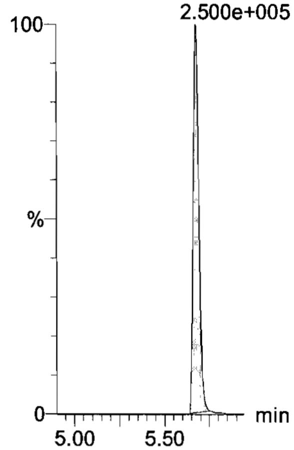
Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:35:03 Pacific Standard Time

Name: 171129M1_9, Date: 29-Nov-2017, Time: 13:48:58, ID: ST171129M1-7 PFC CS4 17K2811, Description: PFC CS4 17K2811

13C6-PFDA
F37:MRM of 1 channel,ES-
519.1 > 473.7
1.382e+005



13C7-PFUdA
F45:MRM of 1 channel,ES-
570.1 > 524.8
2.500e+005



Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
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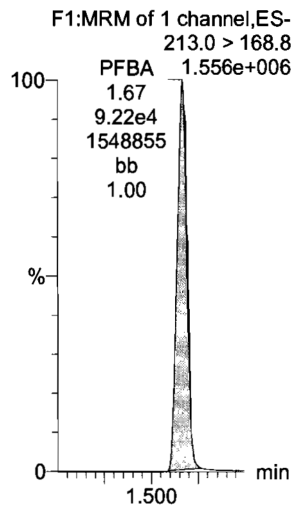
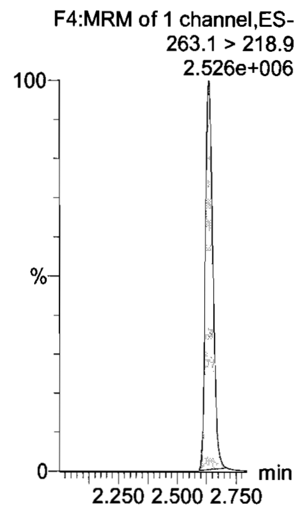
Name: 171129M1_10, Date: 29-Nov-2017, Time: 14:00:09, ID: ST171129M1-8 PFC CS5 17K2812, Description: PFC CS5 17K2812

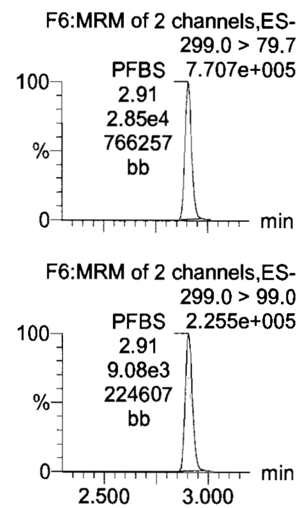
PFBA



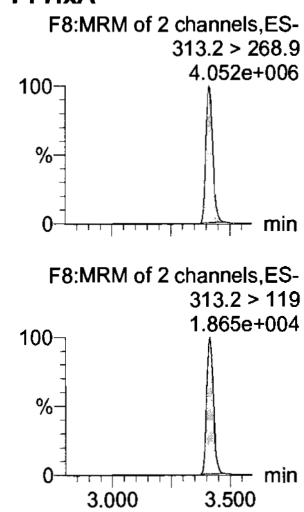
PFPeA



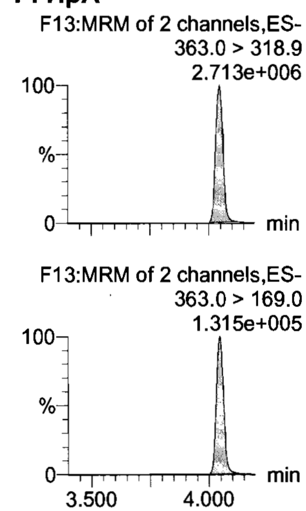
PFBS



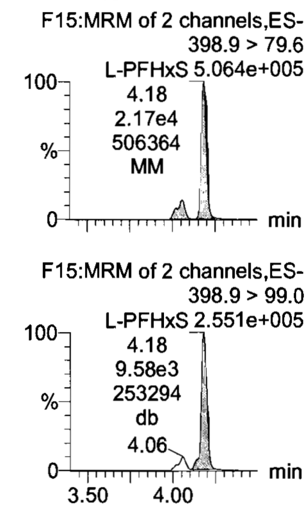
PFHxA



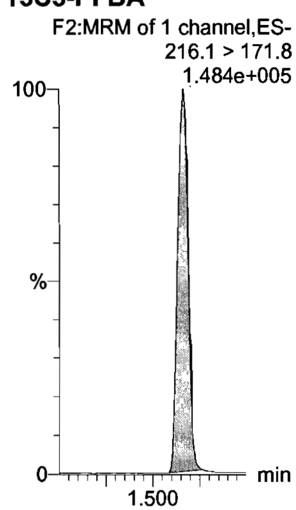
PFHpA



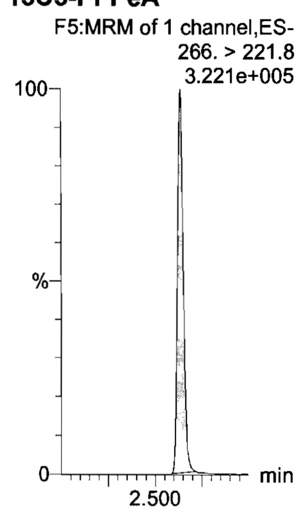
L-PFHxS



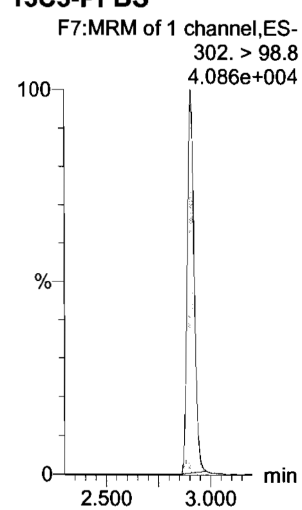
13C3-PFBA



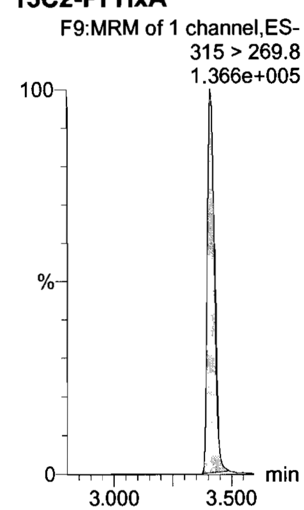
13C3-PFPeA



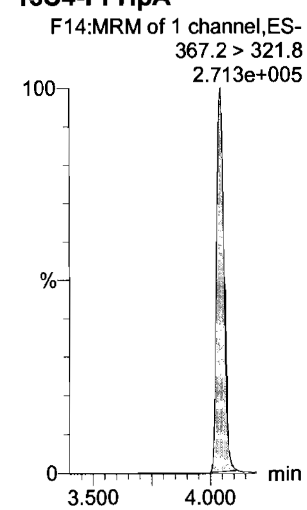
13C3-PFBS



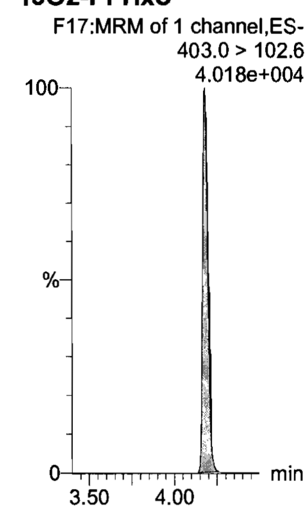
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

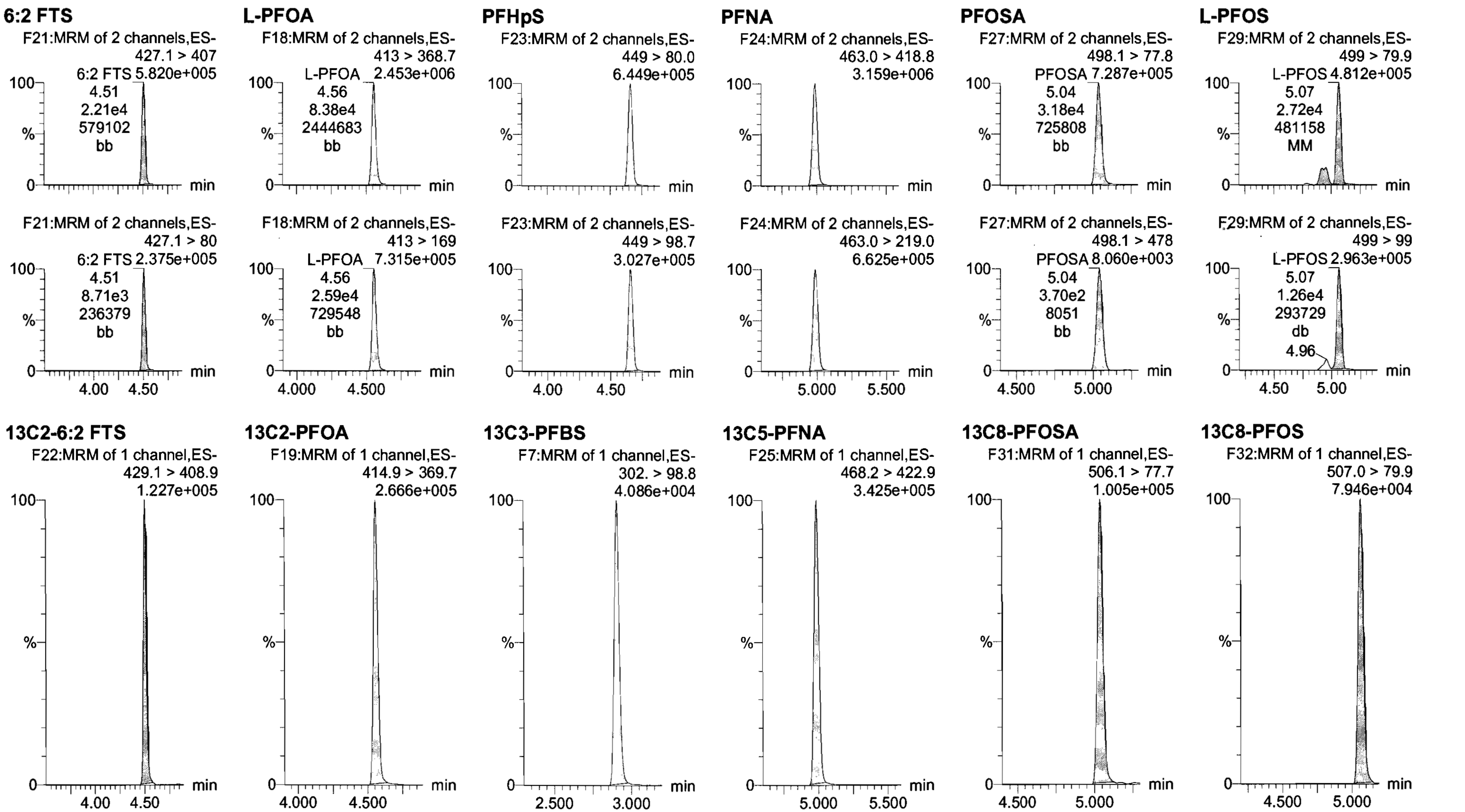


Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:35:03 Pacific Standard Time

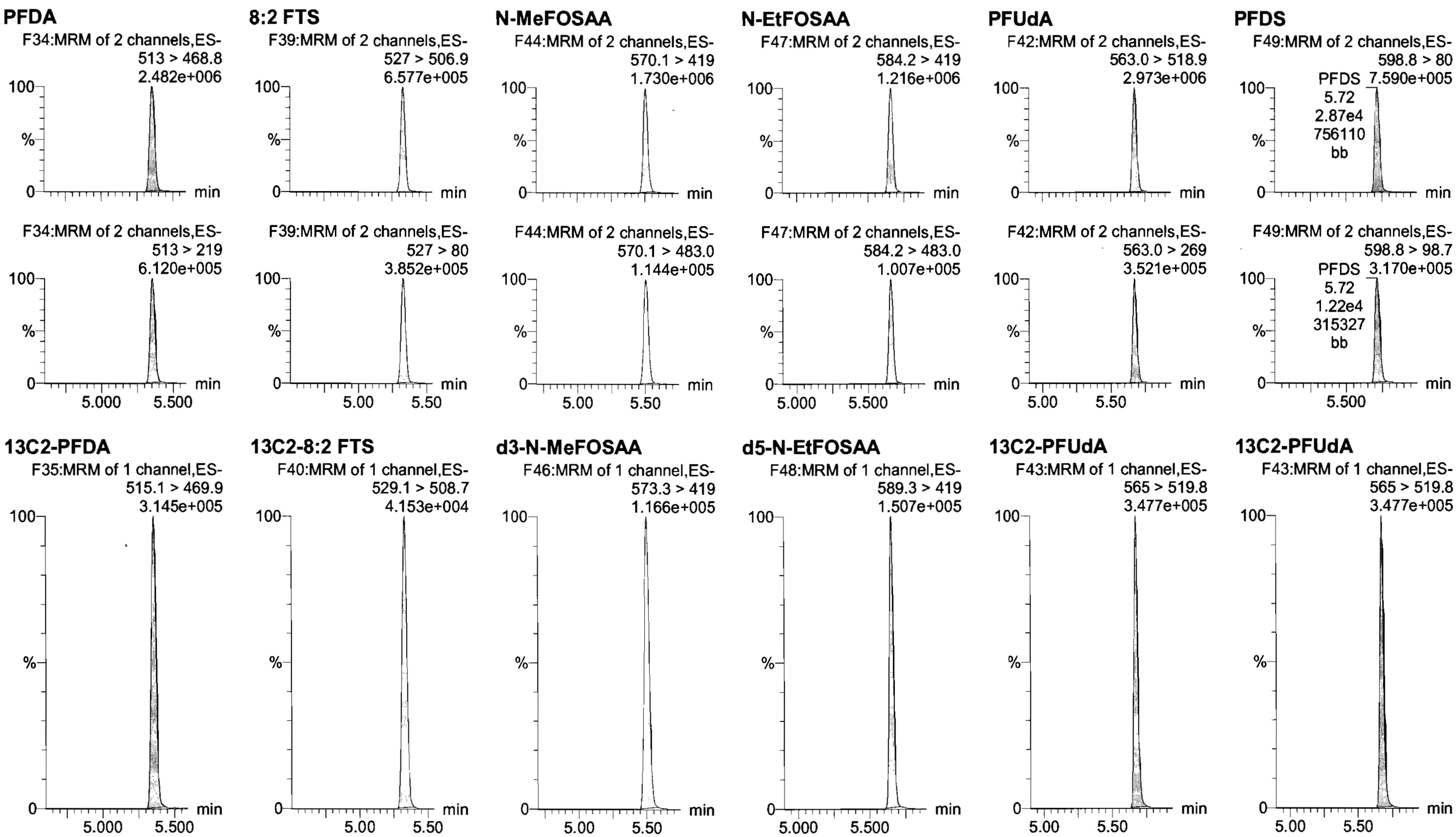
Name: 171129M1_10, Date: 29-Nov-2017, Time: 14:00:09, ID: ST171129M1-8 PFC CS5 17K2812, Description: PFC CS5 17K2812



Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:35:03 Pacific Standard Time

Name: 171129M1_10, Date: 29-Nov-2017, Time: 14:00:09, ID: ST171129M1-8 PFC CS5 17K2812, Description: PFC CS5 17K2812

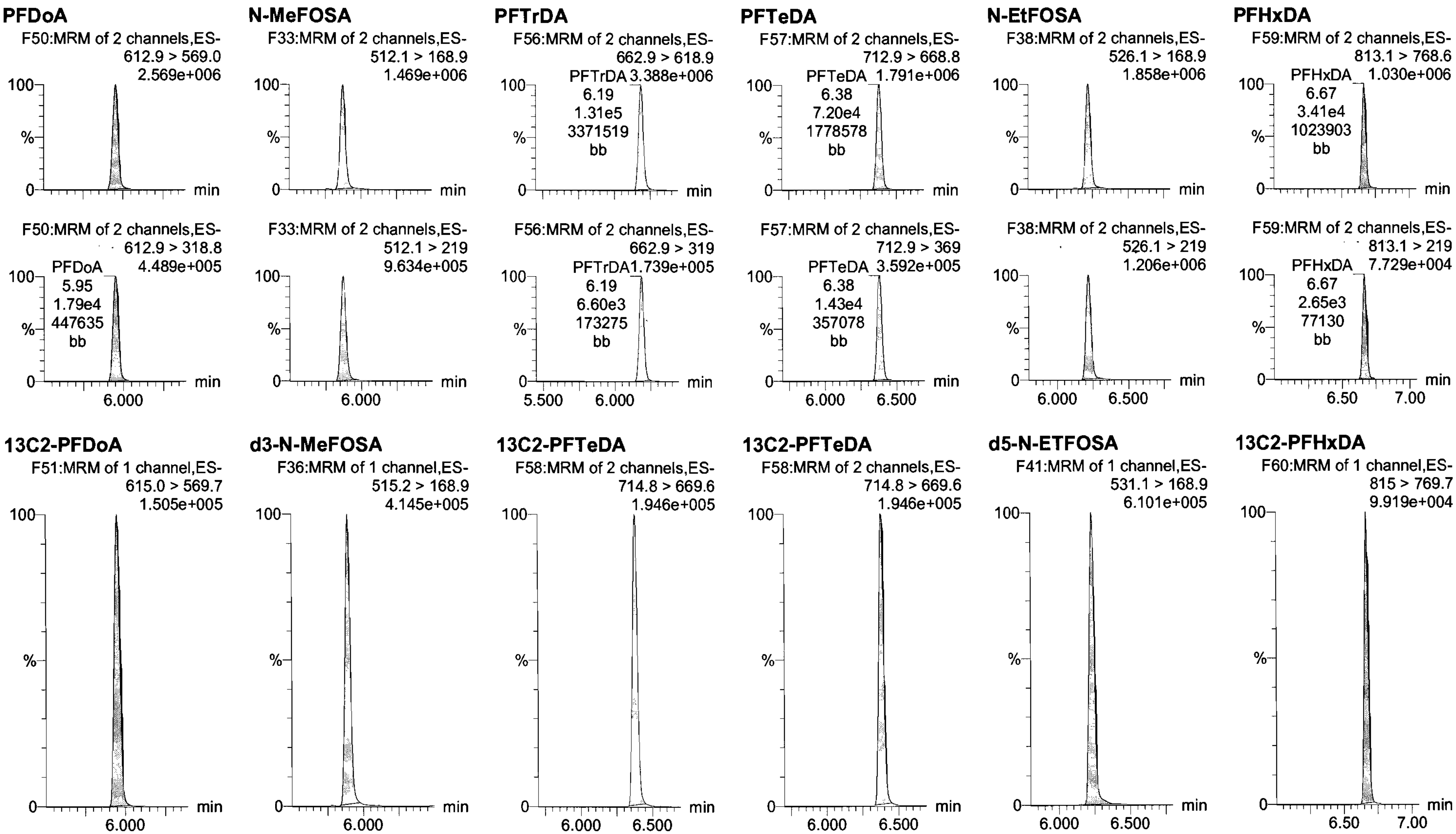


Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:35:03 Pacific Standard Time

Name: 171129M1_10, Date: 29-Nov-2017, Time: 14:00:09, ID: ST171129M1-8 PFC CS5 17K2812, Description: PFC CS5 17K2812



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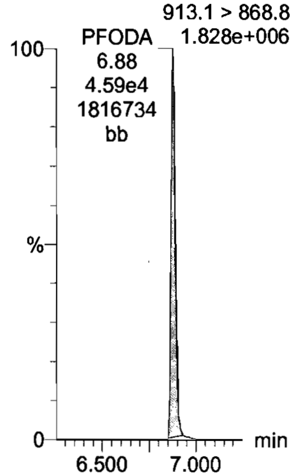
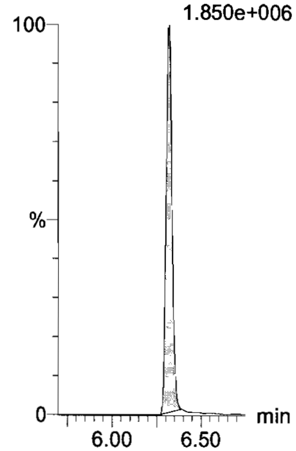
Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:35:03 Pacific Standard Time

Name: 171129M1_10, Date: 29-Nov-2017, Time: 14:00:09, ID: ST171129M1-8 PFC CS5 17K2812, Description: PFC CS5 17K2812

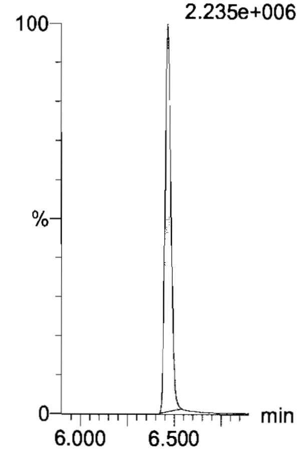
PFODA
F61:MRM of 1 channel,ES-
913.1 > 868.8
1.828e+006



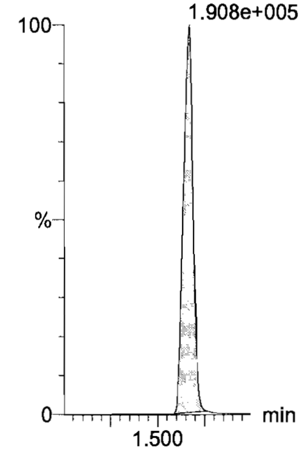
N-MeFOSE
F52:MRM of 1 channel,ES-
616.1 > 58.9
1.850e+006



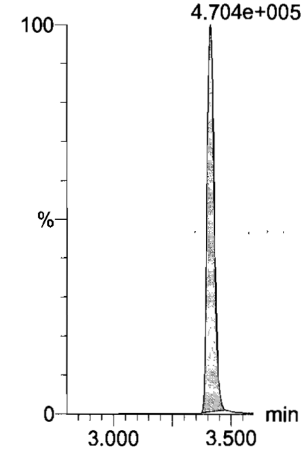
N-EtFOSE
F54:MRM of 1 channel,ES-
630.1 > 58.9
2.235e+006



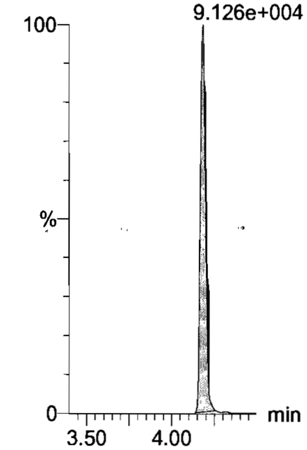
13C4-PFBA
F3:MRM of 1 channel,ES-
217. > 171.8
1.908e+005



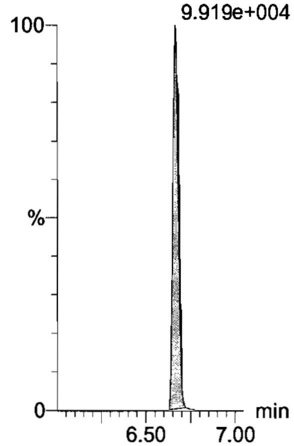
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
4.704e+005



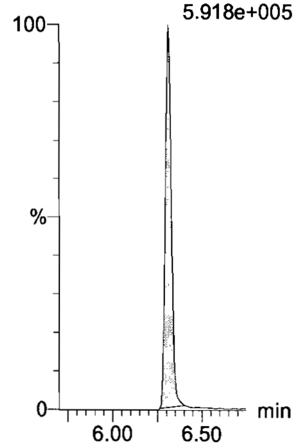
13C3-PFHxS
F16:MRM of 1 channel,ES-
401.9 > 79.9
9.126e+004



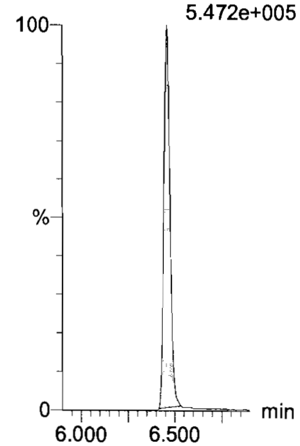
13C2-PFHxDA
F60:MRM of 1 channel,ES-
815 > 769.7
9.919e+004



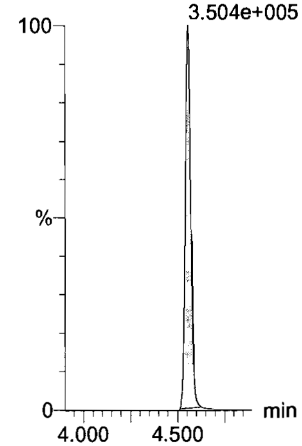
d7-N-MeFOSE
F53:MRM of 1 channel,ES-
623.1 > 58.9
5.918e+005



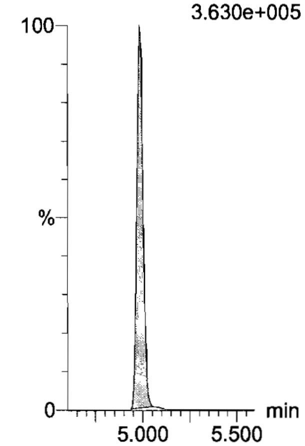
d9-N-EtFOSE
F55:MRM of 1 channel,ES-
639.2 > 58.8
5.472e+005



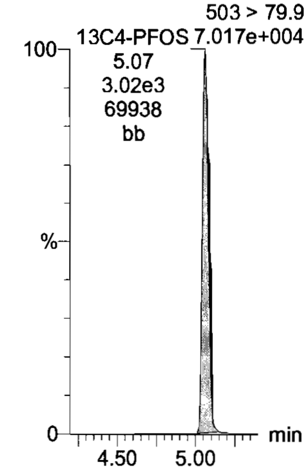
13C8-PFOA
F20:MRM of 1 channel,ES-
421.3 > 376
3.504e+005



13C9-PFNA
F26:MRM of 1 channel,ES-
472.2 > 426.9
3.630e+005



13C4-PFOS
F30:MRM of 1 channel,ES-
503 > 79.9
7.017e+004

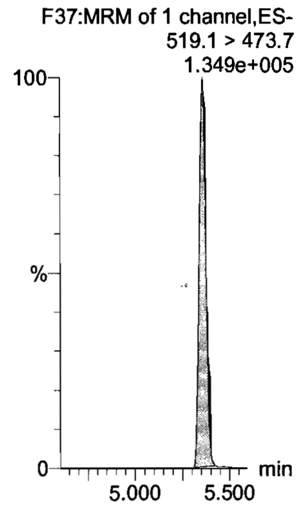


Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

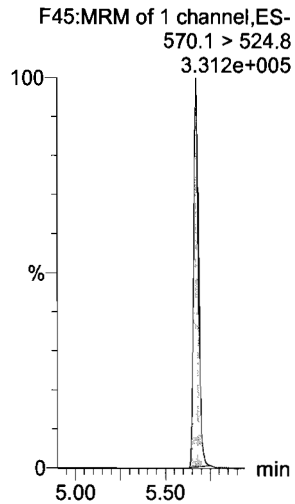
Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:35:03 Pacific Standard Time

Name: 171129M1_10, Date: 29-Nov-2017, Time: 14:00:09, ID: ST171129M1-8 PFC CS5 17K2812, Description: PFC CS5 17K2812

13C6-PFDA



13C7-PFUdA

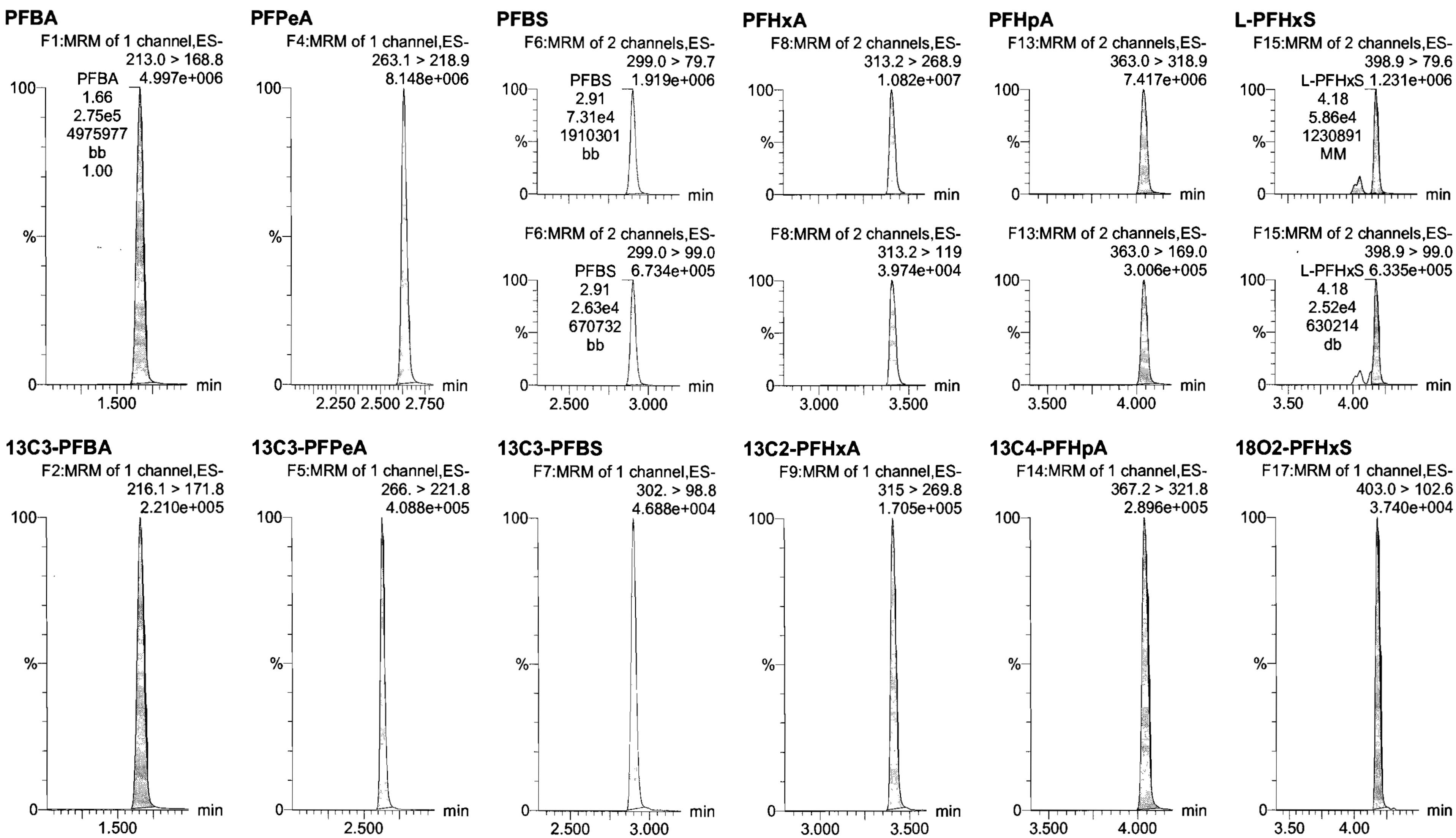


Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:35:03 Pacific Standard Time

Name: 171129M1_11, Date: 29-Nov-2017, Time: 14:11:20, ID: ST171129M1-9 PFC CS6 17K2817, Description: PFC CS6 17K2817



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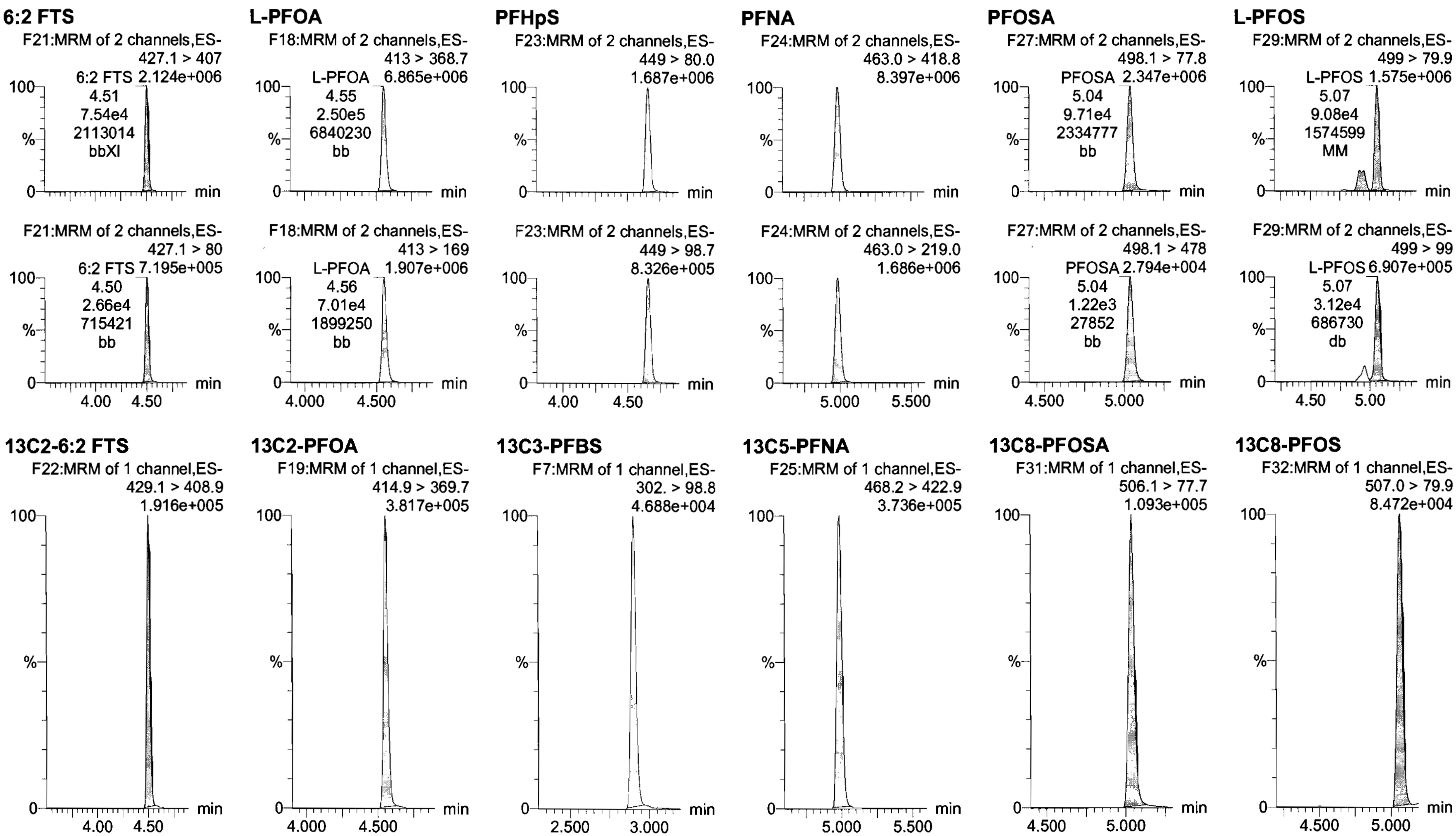
Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:35:03 Pacific Standard Time

Name: 171129M1_11, Date: 29-Nov-2017, Time: 14:11:20, ID: ST171129M1-9 PFC CS6 17K2817, Description: PFC CS6 17K2817

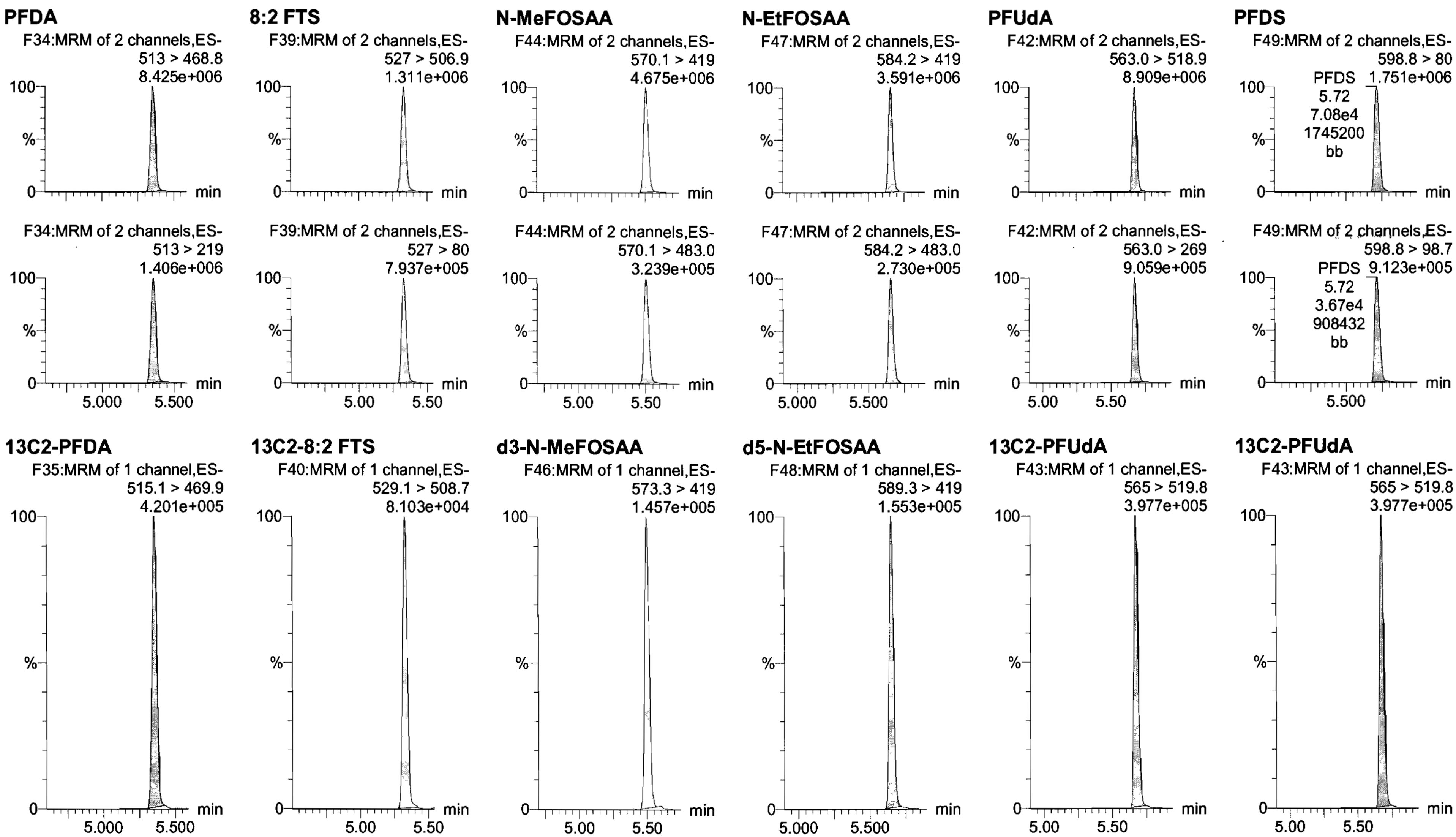


Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:35:03 Pacific Standard Time

Name: 171129M1_11, Date: 29-Nov-2017, Time: 14:11:20, ID: ST171129M1-9 PFC CS6 17K2817, Description: PFC CS6 17K2817



Vista Analytical Laboratory

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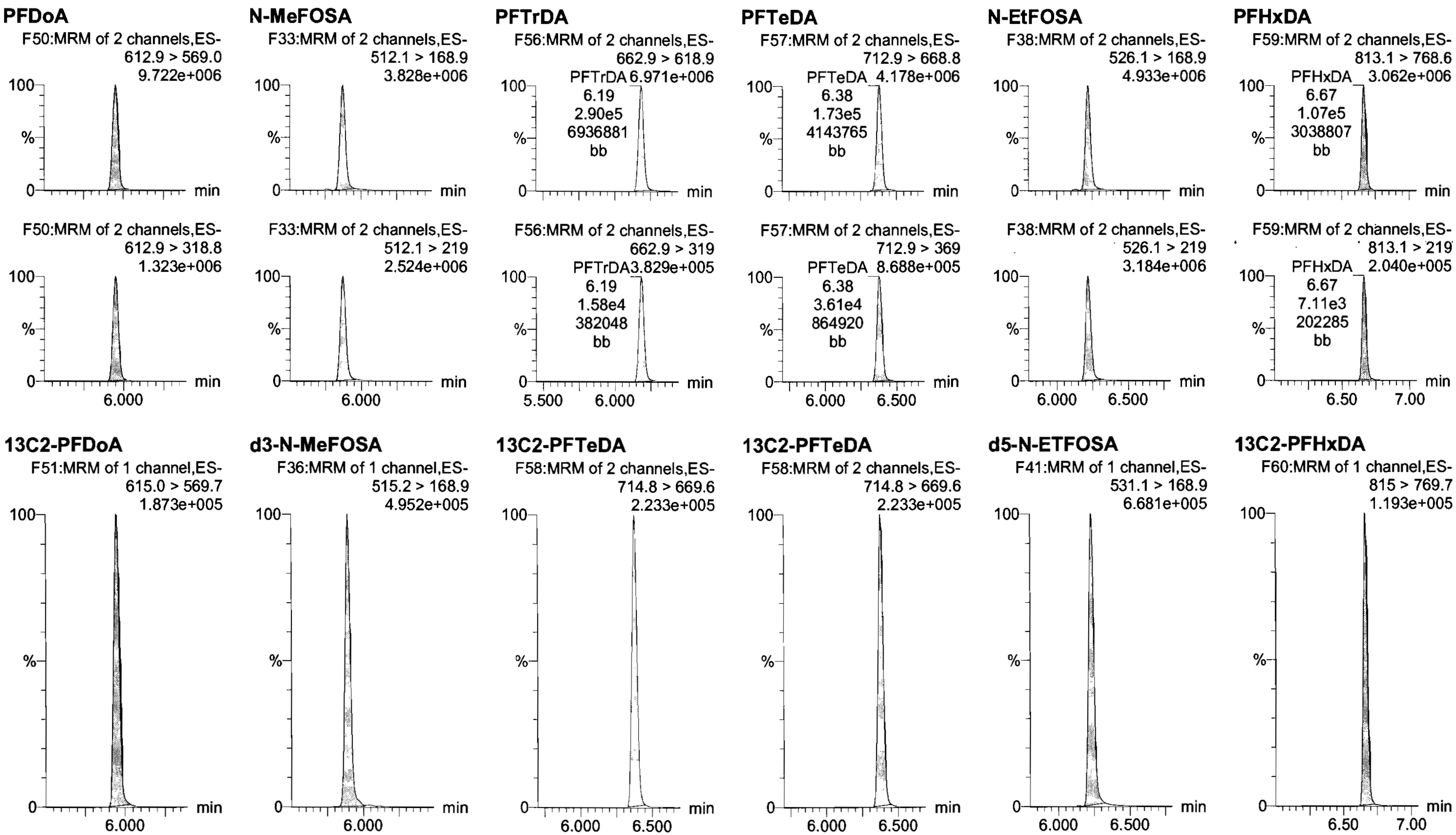
Printed: Wednesday, November 29, 2017 15:35:03 Pacific Standard Time

Name: 171129M1_11, Date: 29-Nov-2017, Time: 14:11:20, ID: ST171129M1-9 PFC CS6 17K2817, Description: PFC CS6 17K2817



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Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
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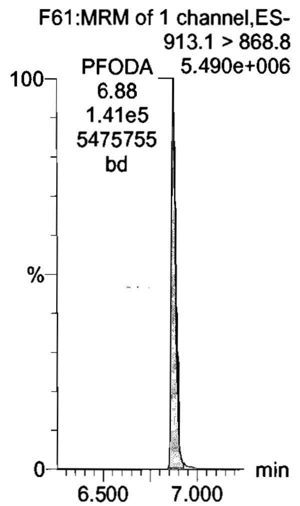
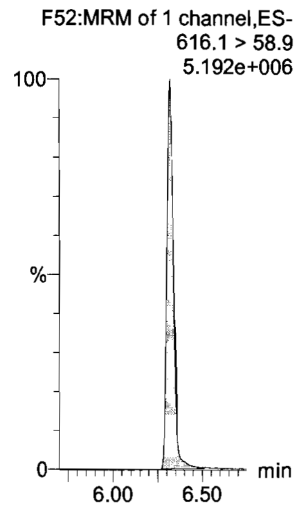
Name: 171129M1_11, Date: 29-Nov-2017, Time: 14:11:20, ID: ST171129M1-9 PFC CS6 17K2817, Description: PFC CS6 17K2817

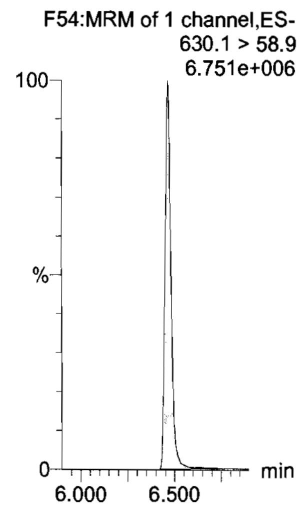
PFODA



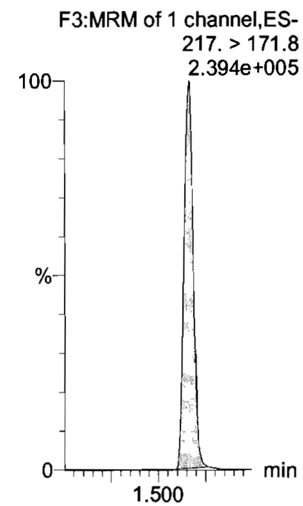
N-MeFOSE



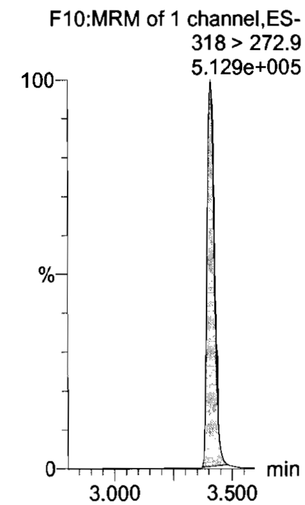
N-EtFOSE



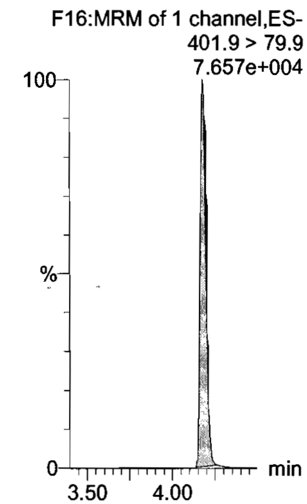
13C4-PFBA



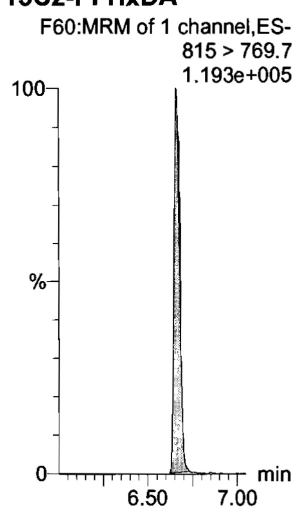
13C5-PFHxA



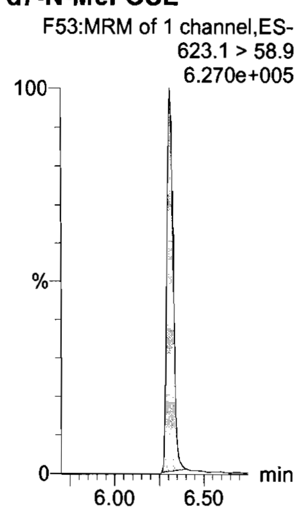
13C3-PFHxS



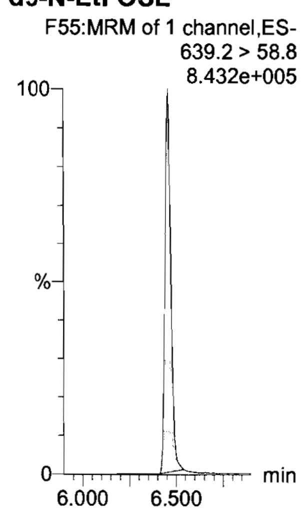
13C2-PFHxDA



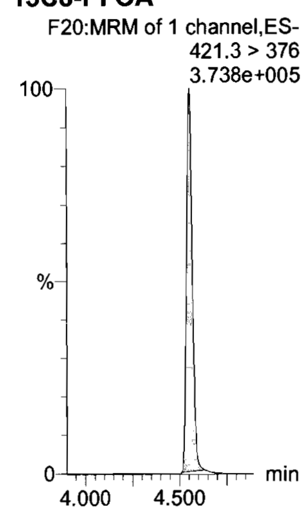
d7-N-MeFOSE



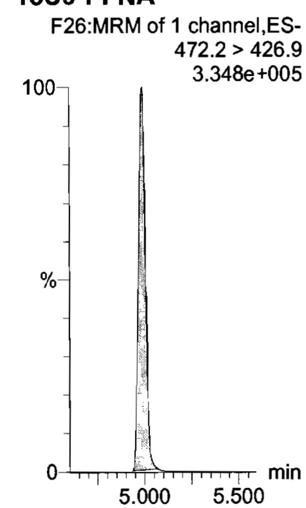
d9-N-EtFOSE



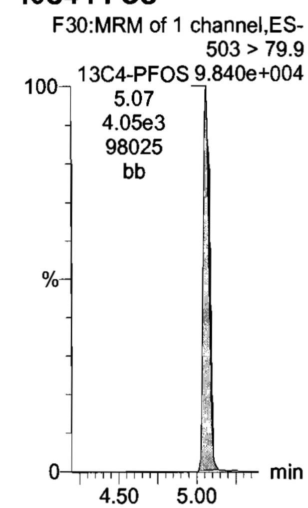
13C8-PFOA



13C9-PFNA



13C4-PFOS

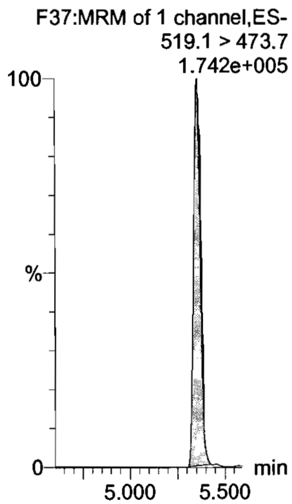


Dataset: U:\Q4.PRO\results\171129M1\171129M1-CRV.qld

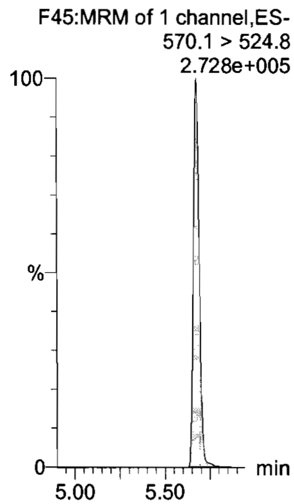
Last Altered: Wednesday, November 29, 2017 15:34:31 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:35:03 Pacific Standard Time

Name: 171129M1_11, Date: 29-Nov-2017, Time: 14:11:20, ID: ST171129M1-9 PFC CS6 17K2817, Description: PFC CS6 17K2817

13C6-PFDA



13C7-PFUdA



Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171129M1\171129M1-14.qld

Last Altered: Wednesday, November 29, 2017 15:54:02 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:54:42 Pacific Standard Time

A Not included in SS.

AC 11/29/17

B PFOSA > 130% in SS.

JHA 11/30/2017

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_112917.mdb 29 Nov 2017 15:16:56
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-29-17_FULL.cdb 29 Nov 2017 15:34:31

Name: 171129M1_14, Date: 29-Nov-2017, Time: 14:44:52, ID: ICV171129M1-1 PFC ICV 17K2813, Description: PFC ICV 17K2813

	#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	
1	1	PFBA	213.0 > 168.8	1.07e4	1.10e4	1.0000		1.66	1.66	12.2	10.471	104.7	70-130
2	2	PFPeA	263.1 > 218.9	1.23e4	1.40e4	1.0000		2.63	2.63	10.9	10.864	108.6	
3	3	PFBS	299.0 > 79.7	2.59e3	1.79e3	1.0000		2.90	2.90	18.1	8.403	84.0	
4	4	PFHxA	313.2 > 268.9	1.68e4	5.24e3	1.0000		3.40	3.40	16.0	11.369	113.7	
5	5	PFHpA	363.0 > 318.9	1.35e4	1.08e4	1.0000		4.03	4.04	15.7	12.004	120.0	
6	6	L-PFHxS	398.9 > 79.6	2.56e3	1.44e3	1.0000		4.19	4.18	22.2	10.709	107.1	
7	8	6:2 FTS	427.1 > 407	3.25e3	3.57e3	1.0000		4.49	4.50	11.4	9.448	94.5	
8	9	L-PFOA	413 > 368.7	9.75e3	1.15e4	1.0000		4.26	4.55	10.6	10.414	104.1	
9	11	PFHpS	449 > 80.0	2.83e3	1.15e4	1.0000		4.65	4.66	3.07	10.016	100.2	
10	12	PFNA	463.0 > 418.8	1.53e4	1.33e4	1.0000		5.00	4.98	14.4	12.208	122.1	
11	13	PFOSA	498.1 > 77.8	4.70e3	4.32e3	1.0000		5.02	5.03	13.6	14.850	148.5	B
12	14	L-PFOS	499 > 79.9	3.03e3	3.89e3	1.0000		5.08	5.06	9.73	9.922	99.2	
13	16	PFDA	513 > 468.8	1.19e4	1.40e4	1.0000		5.34	5.35	10.6	9.688	96.9	
14	17	8:2 FTS	527 > 506.9	3.49e3	1.67e3	1.0000		5.35	5.32	26.1	11.937	119.4	
15	18	N-MeFOSAA	570.1 > 419	8.59e3	5.46e3	1.0000		5.49	5.50	19.6	12.155	121.6	
16	19	N-EtFOSAA	584.2 > 419	6.25e3	6.59e3	1.0000		5.64	5.65	11.9	10.850	108.5	
17	20	PFUdA	563.0 > 518.9	1.24e4	1.18e4	1.0000		5.66	5.67	13.2	9.861	98.6	
18	21	PFDS	598.8 > 80	3.50e3	1.18e4	1.0000		5.73	5.71	3.71	10.476	104.8	
19	22	PFDoA	612.9 > 569.0	1.67e4	5.29e3	1.0000		5.94	5.94	39.4	11.353	113.5	
20	23	N-MeFOSA	512.1 > 168.9		1.94e4	1.0000		5.85				A	
21	24	PFTrDA	662.9 > 618.9	1.41e4	5.29e3	1.0000		6.18	6.18	33.4	11.496	115.0	
22	25	PFTeDA	712.9 > 668.8	9.40e3	8.56e3	1.0000		6.37	6.37	13.7	11.675	116.8	
23	26	N-EtFOSA	526.1 > 168.9		2.92e4	1.0000		6.21				A	
24	27	PFHxDA	813.1 > 768.6		3.71e3	1.0000		6.66					
25	28	PFODA	913.1 > 868.8		3.71e3	1.0000		6.87					
26	29	N-MeFOSE	616.1 > 58.9		2.25e4	1.0000		6.30					
27	30	N-EtFOSE	630.1 > 58.9		2.28e4	1.0000		6.42					
28	31	13C3-PFBA	216.1 > 171.8	1.10e4	1.20e4	1.0000	0.861	1.66	1.66	11.4	13.258	106.1	
29	32	13C3-PFPeA	266. > 221.8	1.40e4	1.80e4	1.0000	0.757	2.63	2.63	9.75	12.875	103.0	
30	33	13C3-PFBS	302. > 98.8	1.79e3	1.80e4	1.0000	0.094	2.90	2.90	1.24	13.222	105.8	
31	34	13C2-PFHxA	315 > 269.8	5.24e3	1.80e4	1.0000	0.738	3.40	3.40	3.64	4.938	98.8	

Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171129M1\171129M1-14.qld

Last Altered: Wednesday, November 29, 2017 15:54:02 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:54:42 Pacific Standard Time

Name: 171129M1_14, Date: 29-Nov-2017, Time: 14:44:52, ID: ICV171129M1-1 PFC ICV 17K2813, Description: PFC ICV 17K2813

	#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	35	13C4-PFHpA	367.2 > 321.8	1.08e4	1.80e4	1.0000	0.580	4.03	4.04	7.49	12.917	103.3
33	36	18O2-PFHxS	403.0 > 102.6	1.44e3	3.67e3	1.0000	0.438	4.17	4.18	4.91	11.215	89.7
34	37	13C2-6:2 FTS	429.1 > 408.9	3.57e3	1.33e4	1.0000	0.279	4.49	4.50	3.36	12.070	96.6
35	38	13C2-PFOA	414.9 > 369.7	1.15e4	1.33e4	1.0000	0.912	4.54	4.55	10.9	11.931	95.5
36	39	13C5-PFNA	468.2 > 422.9	1.33e4	1.36e4	1.0000	0.944	4.97	4.98	12.2	12.913	103.3
37	40	13C8-PFOSA	506.1 > 77.7	4.32e3	1.07e4	1.0000	0.444	5.02	5.03	5.03	11.327	90.6
38	41	13C8-PFOS	507.0 > 79.9	3.89e3	4.14e3	1.0000	1.038	5.05	5.05	11.8	11.332	90.7
39	42	13C2-PFDA	515.1 > 469.9	1.40e4	7.15e3	1.0000	2.003	5.34	5.35	24.5	12.237	97.9
40	43	13C2-8:2 FTS	529.1 > 508.7	1.67e3	1.80e4	1.0000	0.095	5.32	5.32	1.16	12.218	97.7
41	44	d3-N-MeFOSAA	573.3 > 419	5.46e3	1.07e4	1.0000	0.497	5.49	5.49	6.36	12.800	102.4
42	45	d5-N-EtFOSAA	589.3 > 419	6.59e3	1.07e4	1.0000	0.548	5.64	5.65	7.67	14.001	112.0
43	46	13C2-PFUdA	565 > 519.8	1.18e4	1.07e4	1.0000	1.135	5.66	5.67	13.7	12.097	96.8
44	47	13C2-PFDoA	615.0 > 569.7	5.29e3	1.07e4	1.0000	0.606	5.94	5.95	6.16	10.156	81.2
45	48	d3-N-MeFOSA	515.2 > 168.9	1.94e4	1.07e4	1.0000	0.144	5.85	5.89	22.6	156.655	104.4
46	49	13C2-PFTeDA	714.8 > 669.6	8.56e3	1.07e4	1.0000	0.769	6.37	6.37	9.96	12.951	103.6
47	50	d5-N-ETFOSA	531.1 > 168.9	2.92e4	1.07e4	1.0000	0.206	6.21	6.23	33.9	164.708	109.8
48	51	13C2-PFHxDA	815 > 769.7	3.71e3	1.07e4	1.0000	0.845	6.66	6.66	4.32	5.111	102.2
49	52	d7-N-MeFOSE	623.1 > 58.9	2.25e4	1.07e4	1.0000	0.190	6.30	6.31	26.1	137.519	91.7
50	53	d9-N-EtFOSE	639.2 > 58.8	2.28e4	1.07e4	1.0000	0.189	6.42	6.46	26.5	140.138	93.4
51	54	13C4-PFBA	217. > 171.8	1.20e4	1.20e4	1.0000	1.000	1.66	1.66	12.5	12.500	100.0
52	55	13C5-PFHxA	318 > 272.9	1.80e4	1.80e4	1.0000	1.000	3.40	3.40	12.5	12.500	100.0
53	56	13C3-PFHxS	401.9 > 79.9	3.67e3	3.67e3	1.0000	1.000	4.17	4.18	12.5	12.500	100.0
54	57	13C8-PFOA	421.3 > 376	1.33e4	1.33e4	1.0000	1.000	4.54	4.55	12.5	12.500	100.0
55	58	13C9-PFNA	472.2 > 426.9	1.36e4	1.36e4	1.0000	1.000	4.97	4.98	12.5	12.500	100.0
56	59	13C4-PFOS	503 > 79.9	4.14e3	4.14e3	1.0000	1.000	5.05	5.06	12.5	12.500	100.0
57	60	13C6-PFDA	519.1 > 473.7	7.15e3	7.15e3	1.0000	1.000	5.34	5.35	12.5	12.500	100.0
58	61	13C7-PFUdA	570.1 > 524.8	1.07e4	1.07e4	1.0000	1.000	5.66	5.67	12.5	12.500	100.0

Quantify Totals Report MassLynx MassLynx V4.1 SCN945 SCN960
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171129M1\171129M1-14.qld

Last Altered: Wednesday, November 29, 2017 15:54:02 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:54:42 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_112917.mdb 29 Nov 2017 15:16:56
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-29-17_FULL.cdb 29 Nov 2017 15:34:31

Name: 171129M1_14, Date: 29-Nov-2017, Time: 14:44:52, ID: ICV171129M1-1 PFC ICV 17K2813, Description: PFC ICV 17K2813

Total PFHxS

	# Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	6 L-PFHxS	398.9 > 79.6	4.18	2561.923	1444.157	22.175	MM	10.7

Total PFOA

	# Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	9 L-PFOA	413 > 368.7	4.55	9745.042	11536.065	10.559	bb	10.4

Total PFOS

	# Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	15 Br-PFOS	499 > 79.9			3894.970		MM-I	
2	14 L-PFOS	499 > 79.9	5.06	3031.716	3894.970	9.730	MM	9.92

Total N-Me-FOSAA

	# Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	18 N-MeFOSAA	570.1 > 419	5.50	8588.269	5464.247	19.647	bb	12.2

Total N-EtFOSAA

	# Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	19 N-EtFOSAA	584.2 > 419	5.65	6254.615	6594.512	11.856	bb	10.8

Total PFOA+PFOS,Total PFOA,Total PFOS

	# Name	Trace	RT	Area	IS Area	Response	Primary Flags	Conc.
1	9 L-PFOA	413 > 368.7	4.55	9745.042	11536.065	10.559	bb	10.4
2	15 Br-PFOS	499 > 79.9			3894.970		MM-I	
3	14 L-PFOS	499 > 79.9	5.06	3031.716	3894.970	9.730	MM	9.92

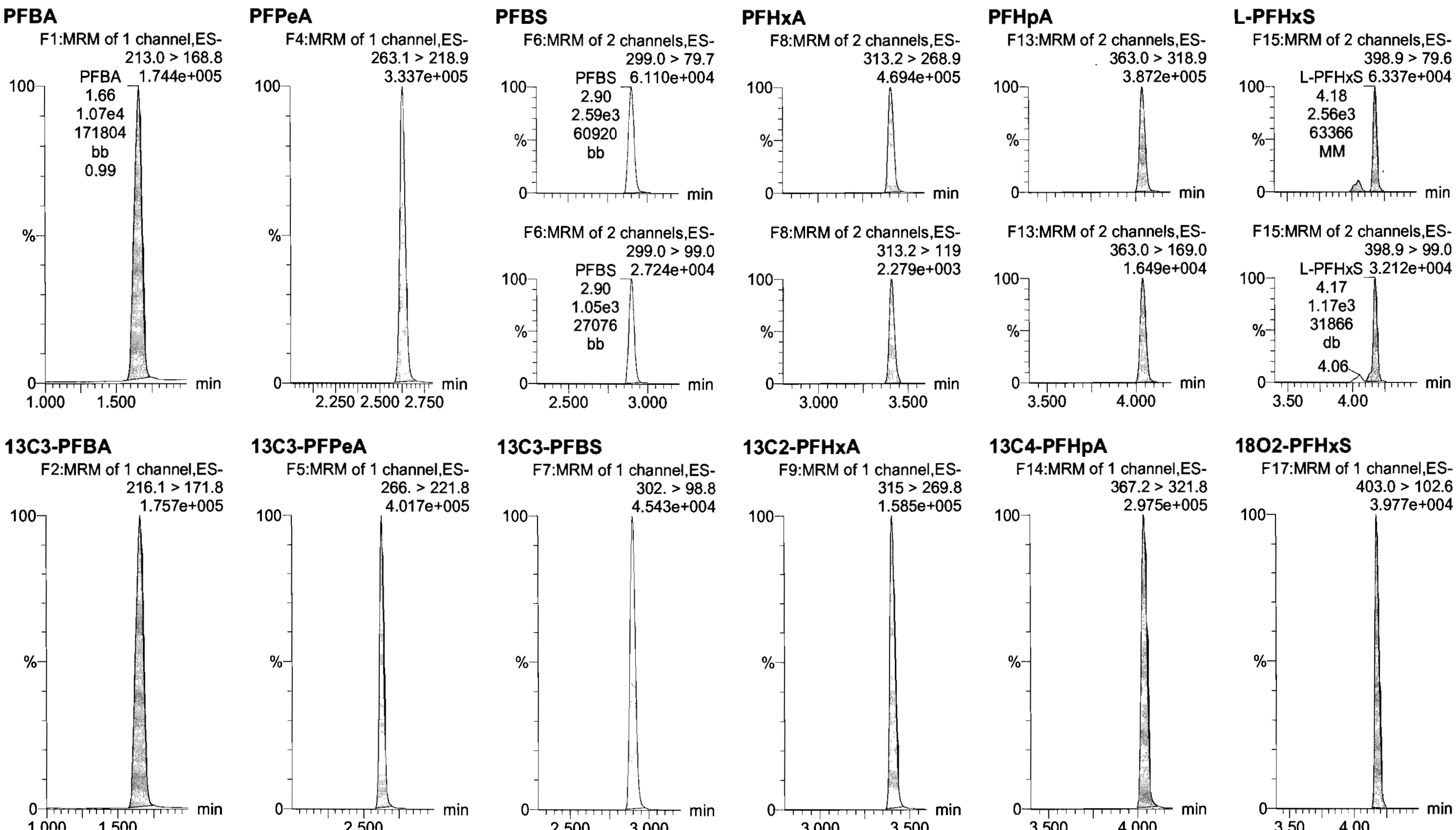
Quantify Sample Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171129M1\171129M1-14.qld

Last Altered: Wednesday, November 29, 2017 15:54:02 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:54:42 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_112917.mdb 29 Nov 2017 15:16:56
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-29-17_FULL.cdb 29 Nov 2017 15:34:31

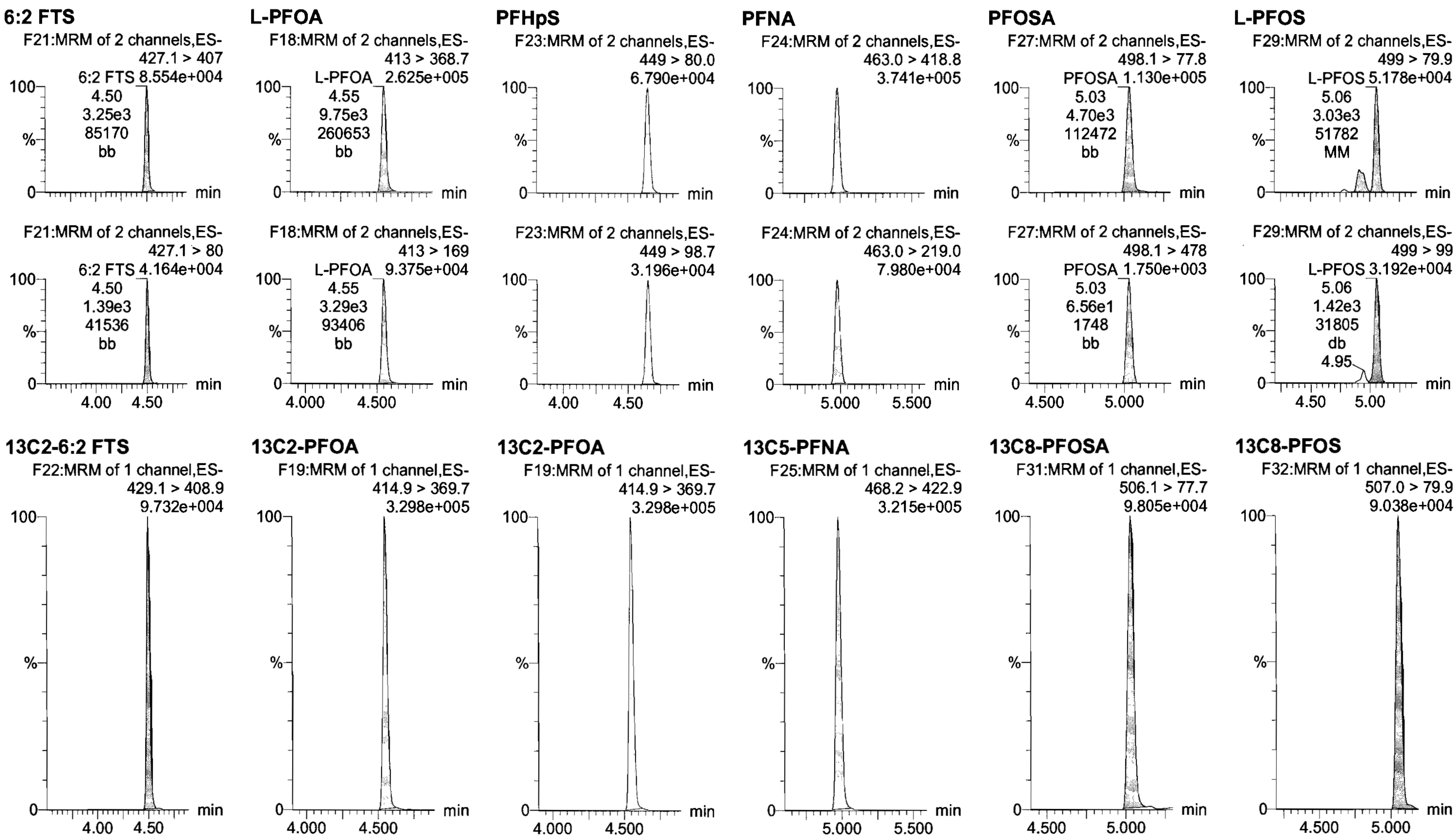
Name: 171129M1_14, Date: 29-Nov-2017, Time: 14:44:52, ID: ICV171129M1-1 PFC ICV 17K2813, Description: PFC ICV 17K2813



Dataset: U:\Q4.PRO\results\171129M1\171129M1-14.qld

Last Altered: Wednesday, November 29, 2017 15:54:02 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:54:42 Pacific Standard Time

Name: 171129M1_14, Date: 29-Nov-2017, Time: 14:44:52, ID: ICV171129M1-1 PFC ICV 17K2813, Description: PFC ICV 17K2813



Quantify Sample Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171129M1\171129M1-14.qld

Last Altered: Wednesday, November 29, 2017 15:54:02 Pacific Standard Time
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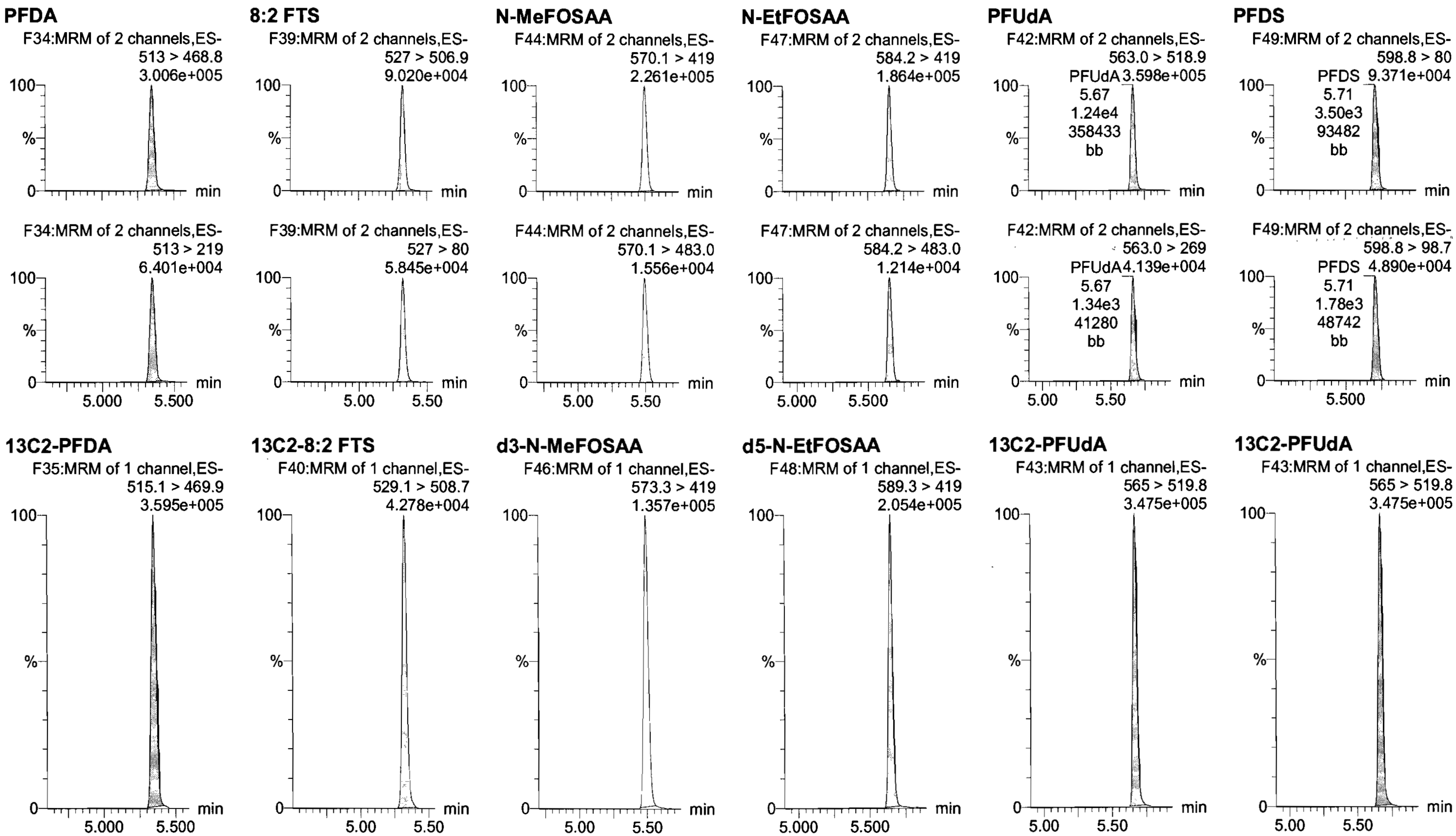
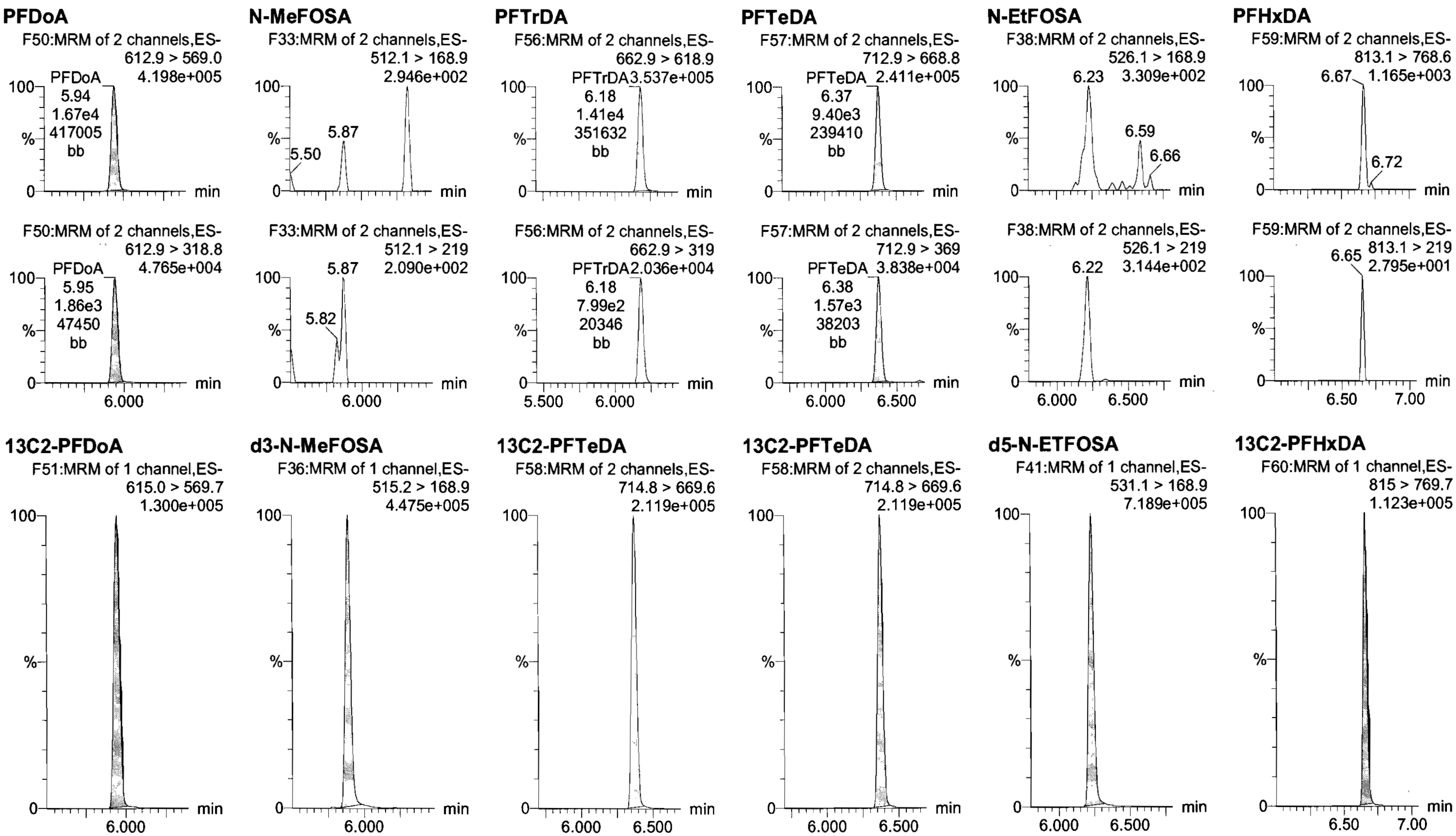
Name: 171129M1_14, Date: 29-Nov-2017, Time: 14:44:52, ID: ICV171129M1-1 PFC ICV 17K2813, Description: PFC ICV 17K2813



Dataset: U:\Q4.PRO\results\171129M1\171129M1-14.qld

Last Altered: Wednesday, November 29, 2017 15:54:02 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:54:42 Pacific Standard Time

Name: 171129M1_14, Date: 29-Nov-2017, Time: 14:44:52, ID: ICV171129M1-1 PFC ICV 17K2813, Description: PFC ICV 17K2813



Quantify Sample Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171129M1\171129M1-14.qld

Last Altered: Wednesday, November 29, 2017 15:54:02 Pacific Standard Time
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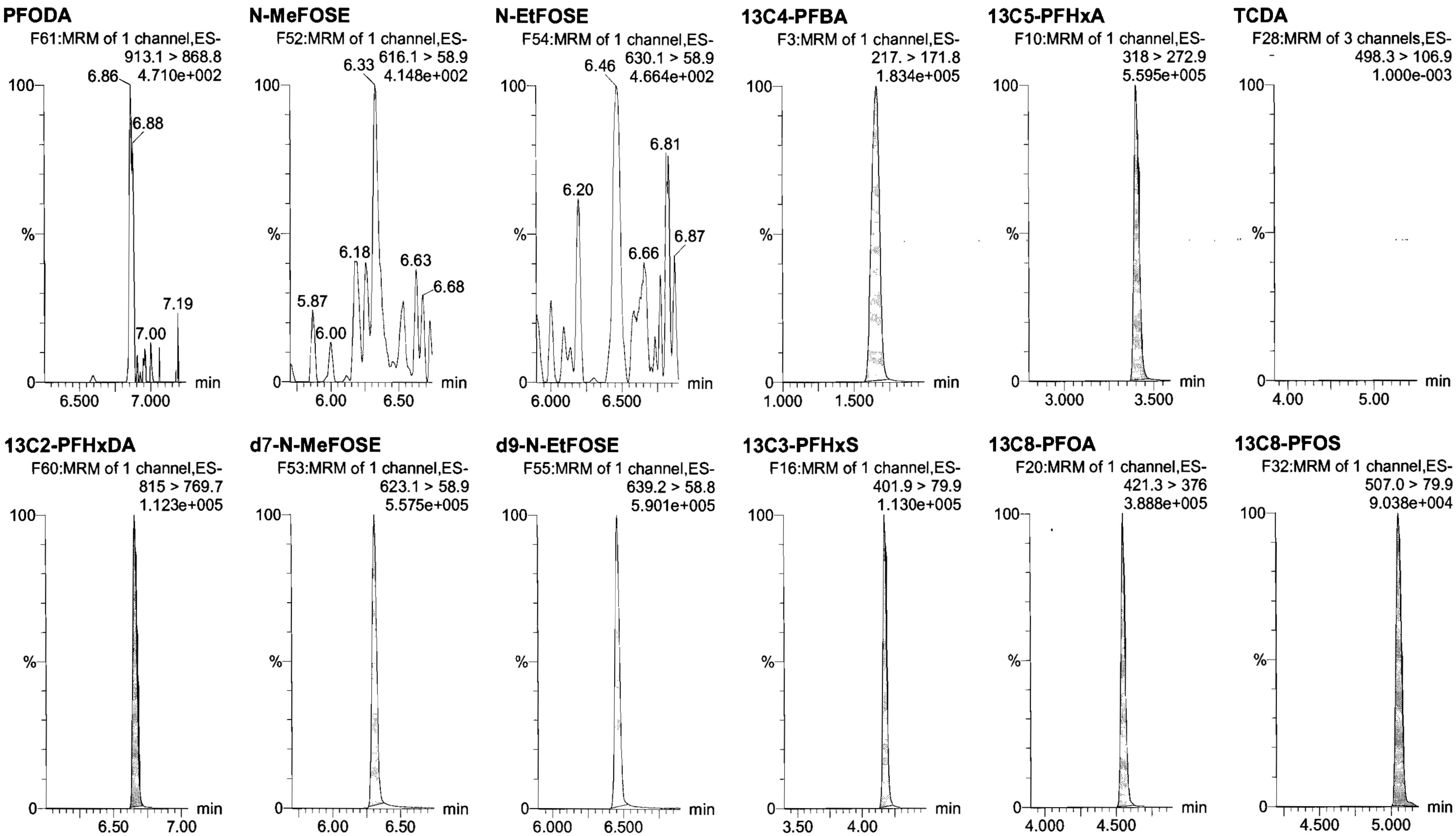
Name: 171129M1_14, Date: 29-Nov-2017, Time: 14:44:52, ID: ICV171129M1-1 PFC ICV 17K2813, Description: PFC ICV 17K2813

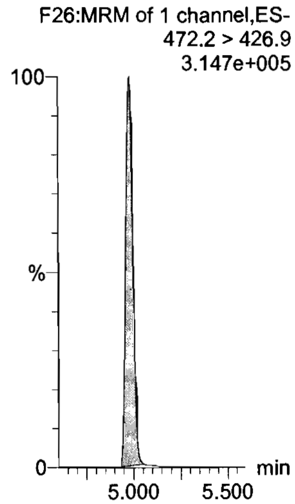


Dataset: U:\Q4.PRO\results\171129M1\171129M1-14.qld

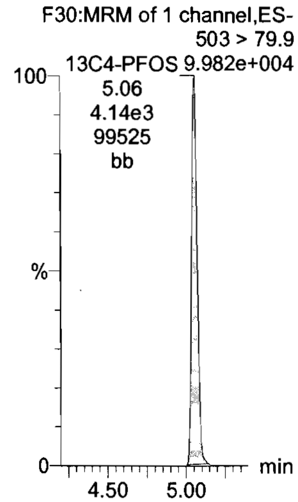
Last Altered: Wednesday, November 29, 2017 15:54:02 Pacific Standard Time
Printed: Wednesday, November 29, 2017 15:54:42 Pacific Standard Time

Name: 171129M1_14, Date: 29-Nov-2017, Time: 14:44:52, ID: ICV171129M1-1 PFC ICV 17K2813, Description: PFC ICV 17K2813

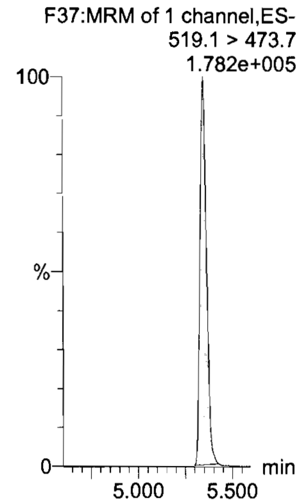
13C9-PFNA



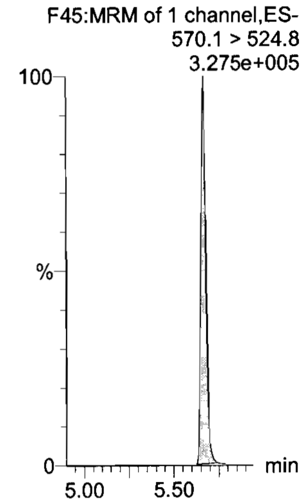
13C4-PFOS



13C6-PFDA



13C7-PFUdA



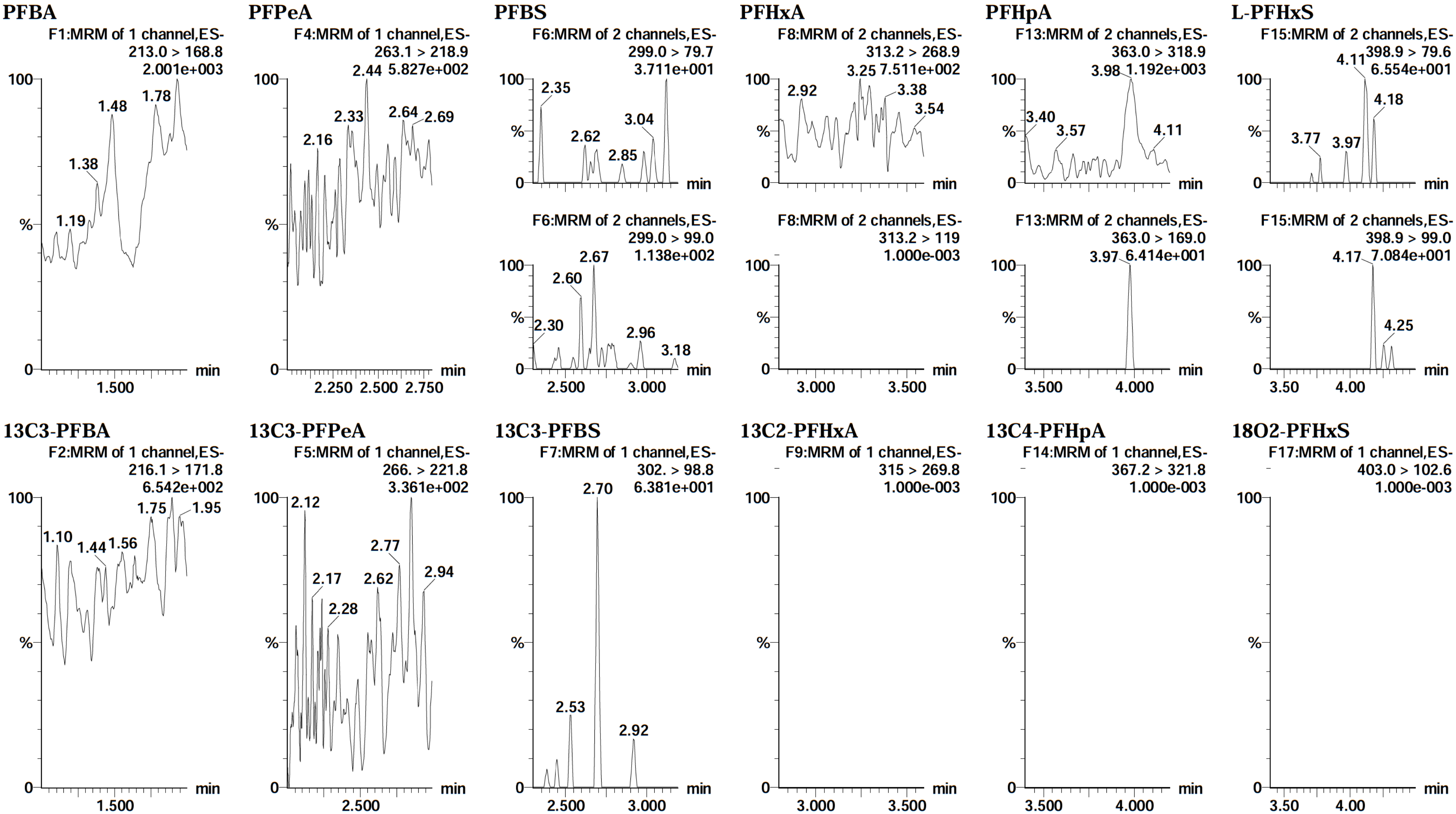
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171129M1\171129M1-13.qld

Last Altered: Wednesday, November 29, 2017 15:59:43 Pacific Standard Time
Printed: Wednesday, November 29, 2017 16:00:25 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_112917.mdb 29 Nov 2017 15:16:56
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-29-17_FULL.cdb 29 Nov 2017 15:34:31

Name: 171129M1_13, Date: 29-Nov-2017, Time: 14:33:41, ID: IPA, Description: IPA

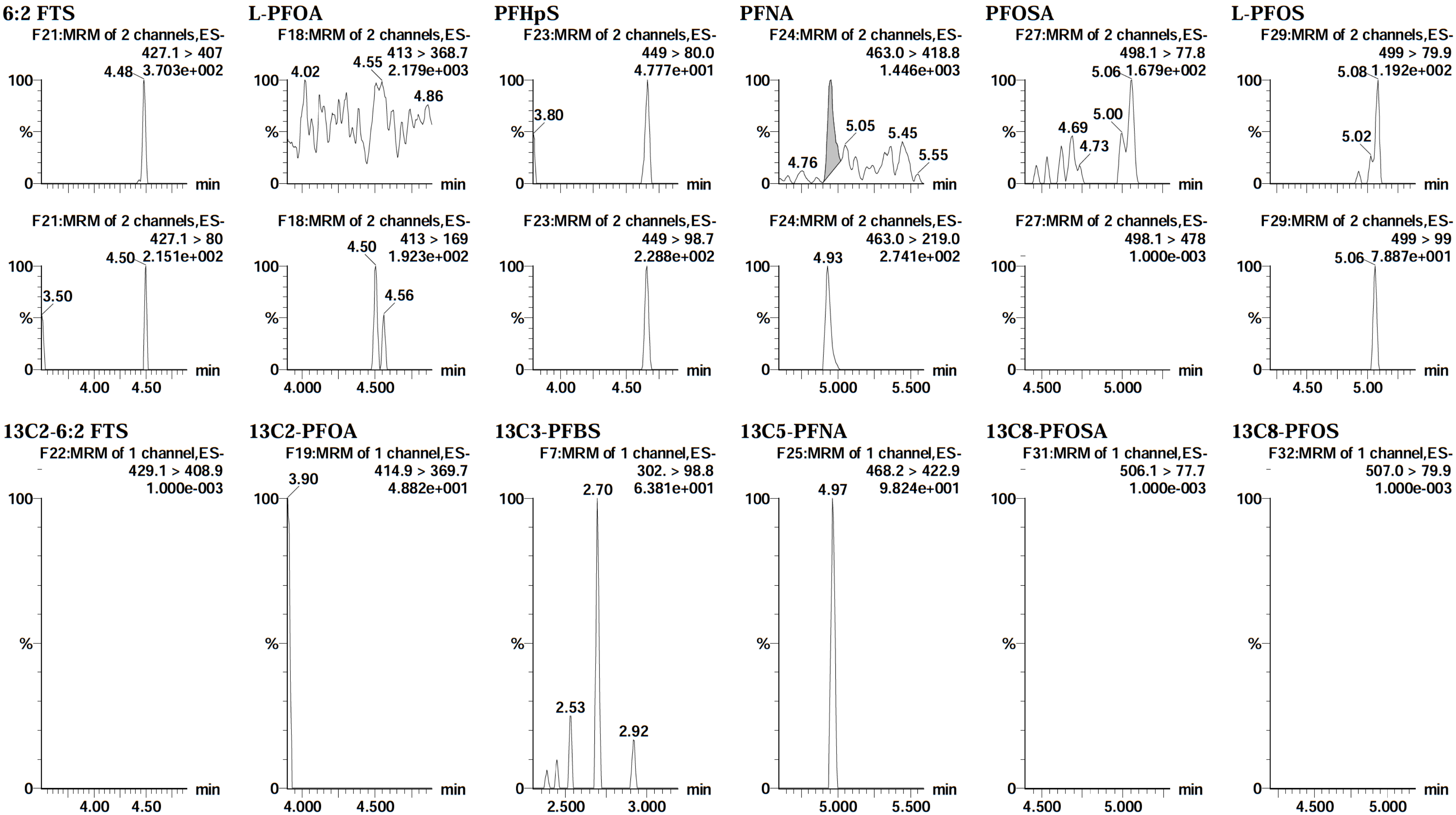


AC 11/29/17

Dataset: U:\Q4.PRO\results\171129M1\171129M1-13.qld

Last Altered: Wednesday, November 29, 2017 15:59:43 Pacific Standard Time
Printed: Wednesday, November 29, 2017 16:00:25 Pacific Standard Time

Name: 171129M1_13, Date: 29-Nov-2017, Time: 14:33:41, ID: IPA, Description: IPA



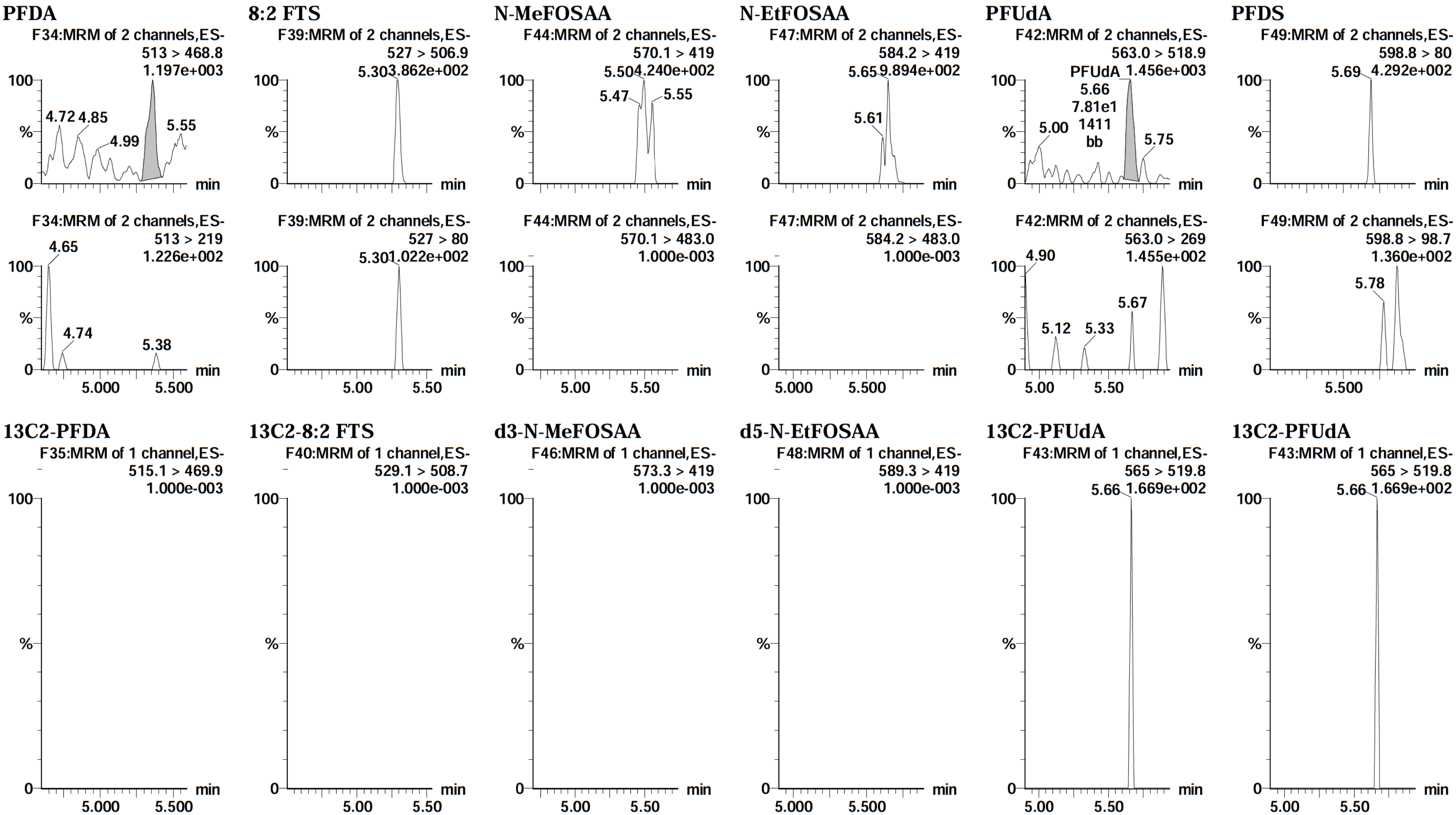
AC 11/29/17

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171129M1\171129M1-13.qld

Last Altered: Wednesday, November 29, 2017 15:59:43 Pacific Standard Time
Printed: Wednesday, November 29, 2017 16:00:25 Pacific Standard Time

Name: 171129M1_13, Date: 29-Nov-2017, Time: 14:33:41, ID: IPA, Description: IPA

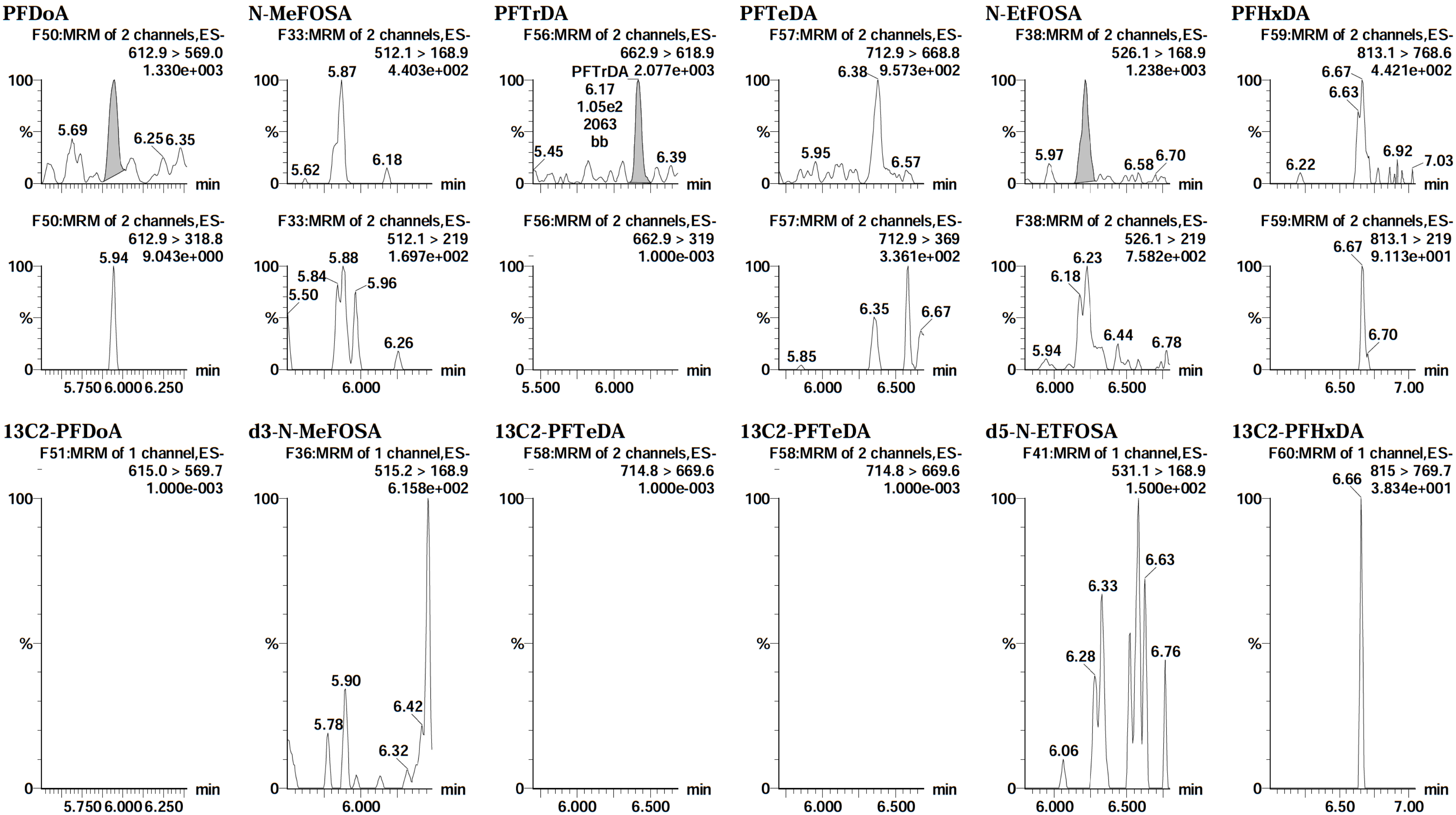


AC 11/29/17

Dataset: U:\Q4.PRO\results\171129M1\171129M1-13.qld

Last Altered: Wednesday, November 29, 2017 15:59:43 Pacific Standard Time
Printed: Wednesday, November 29, 2017 16:00:25 Pacific Standard Time

Name: 171129M1_13, Date: 29-Nov-2017, Time: 14:33:41, ID: IPA, Description: IPA



AC 11/29/17

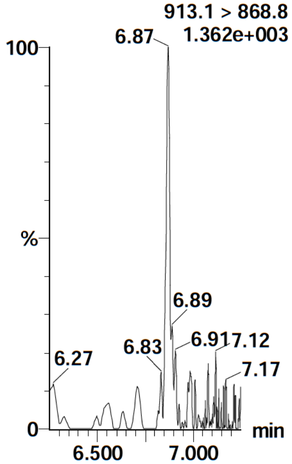
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171129M1\171129M1-13.qld

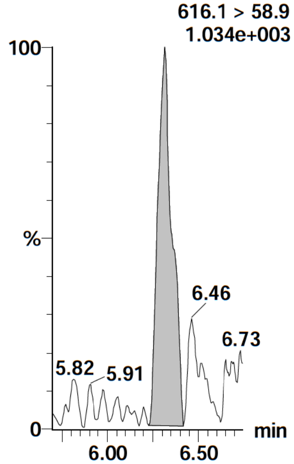
Last Altered: Wednesday, November 29, 2017 15:59:43 Pacific Standard Time
Printed: Wednesday, November 29, 2017 16:00:25 Pacific Standard Time

Name: 171129M1_13, Date: 29-Nov-2017, Time: 14:33:41, ID: IPA, Description: IPA

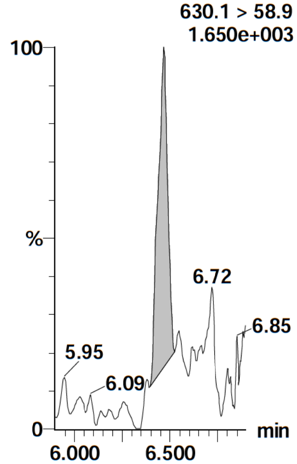
PFODA
F61:MRM of 1 channel,ES-
913.1 > 868.8
1.362e+003



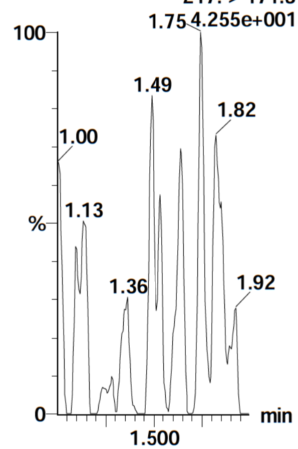
N-MeFOSE
F52:MRM of 1 channel,ES-
616.1 > 58.9
1.034e+003



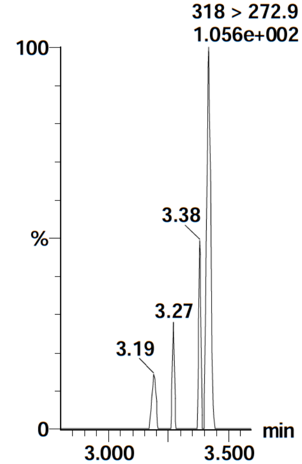
N-EtFOSE
F54:MRM of 1 channel,ES-
630.1 > 58.9
1.650e+003



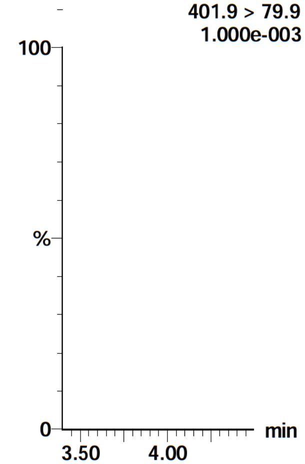
13C4-PFBA
F3:MRM of 1 channel,ES-
217. > 171.8
1.75 4.255e+001



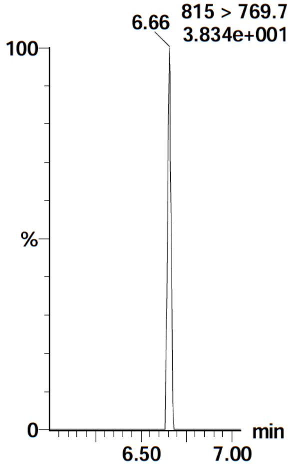
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
1.056e+002



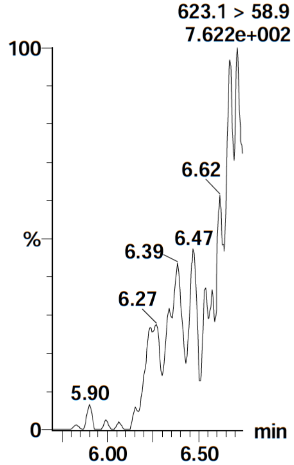
13C3-PFHxS
F16:MRM of 1 channel,ES-
401.9 > 79.9
1.000e-003



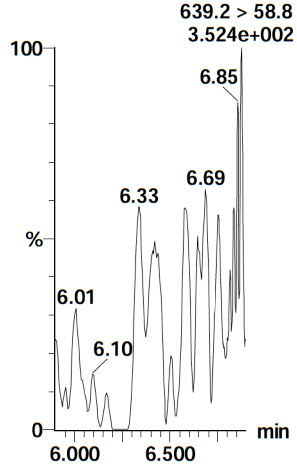
13C2-PFHxDA
F60:MRM of 1 channel,ES-
815 > 769.7
6.66 3.834e+001



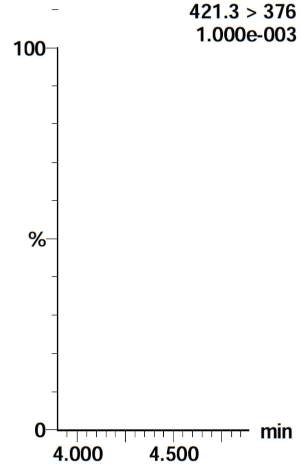
d7-N-MeFOSE
F53:MRM of 1 channel,ES-
623.1 > 58.9
7.622e+002



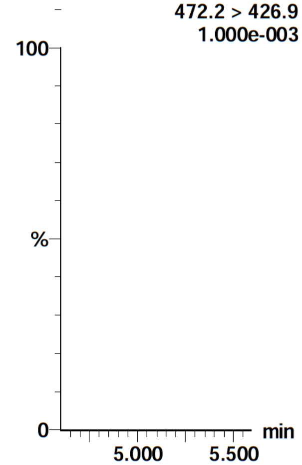
d9-N-EtFOSE
F55:MRM of 1 channel,ES-
639.2 > 58.8
3.524e+002



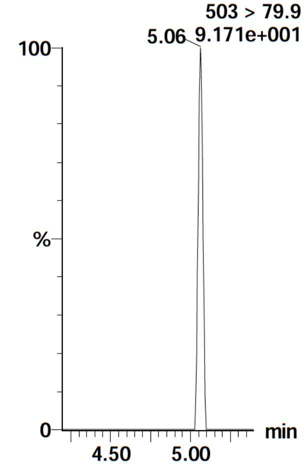
13C8-PFOA
F20:MRM of 1 channel,ES-
421.3 > 376
1.000e-003



13C9-PFNA
F26:MRM of 1 channel,ES-
472.2 > 426.9
1.000e-003



13C4-PFOS
F30:MRM of 1 channel,ES-
503 > 79.9
5.06 9.171e+001



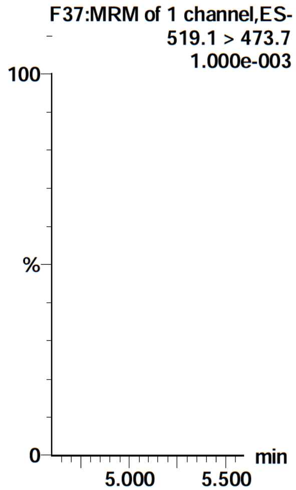
AC 11/29/17

Dataset: U:\Q4.PRO\results\171129M1\171129M1-13.qld

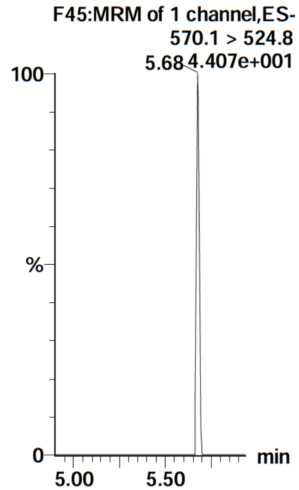
Last Altered: Wednesday, November 29, 2017 15:59:43 Pacific Standard Time
Printed: Wednesday, November 29, 2017 16:00:25 Pacific Standard Time

Name: 171129M1_13, Date: 29-Nov-2017, Time: 14:33:41, ID: IPA, Description: IPA

13C6-PFDA



13C7-PFUdA



AC 11/29/17

8.2 FTS > 130% rec in ICV

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:22:13 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_112917.mdb 29 Nov 2017 15:16:56
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-30-17_FULL.cdb 01 Dec 2017 12:17:32

AC 12/1/17

JA 12/01/2017

Compound name: PFBA
Correlation coefficient: r = 0.999968, r^2 = 0.999936
Calibration curve: 1.15724 * x + -0.0415544
Response type: Internal Std (Ref 31), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	0.250	1.48	179.256	9503.607	0.236	0.2	-4.1	NO	1.000	NO	MM
2	2 171130M2_2	Standard	0.500	1.48	382.694	9874.250	0.484	0.5	-9.1	NO	1.000	NO	MM
3	3 171130M2_3	Standard	1.000	1.48	835.812	9886.194	1.057	0.9	-5.1	NO	1.000	NO	bb
4	4 171130M2_4	Standard	2.000	1.48	1763.749	9482.467	2.325	2.0	2.3	NO	1.000	NO	MM
5	5 171130M2_5	Standard	5.000	1.48	4648.572	9890.582	5.875	5.1	2.3	NO	1.000	NO	bb
6	6 171130M2_6	Standard	10.000	1.48	9335.230	10058.718	11.601	10.1	0.6	NO	1.000	NO	MM
7	7 171130M2_7	Standard	50.000	1.48	44116.176	9648.854	57.152	49.4	-1.2	NO	1.000	NO	bb
8	8 171130M2_8	Standard	100.000	1.48	85282.094	9243.399	115.328	99.7	-0.3	NO	1.000	NO	bb
9	9 171130M2_9	Standard	250.000	1.48	220301.672	9490.519	290.160	250.8	0.3	NO	1.000	NO	bb

Compound name: PFPeA
Correlation coefficient: r = 0.999806, r^2 = 0.999612
Calibration curve: 1.05044 * x + 0.0321015
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	0.250	2.44	262.035	12017.141	0.273	0.2	-8.4	NO	1.000	NO	bb
2	2 171130M2_2	Standard	0.500	2.44	541.058	12339.529	0.548	0.5	-1.8	NO	1.000	NO	bb
3	3 171130M2_3	Standard	1.000	2.43	1111.05€	12152.585	1.143	1.1	5.7	NO	1.000	NO	bb
4	4 171130M2_4	Standard	2.000	2.43	1963.889	11975.487	2.050	1.9	-4.0	NO	1.000	NO	bb
5	5 171130M2_5	Standard	5.000	2.44	5283.067	12226.133	5.401	5.1	2.2	NO	1.000	NO	bb
6	6 171130M2_6	Standard	10.000	2.44	10214.733	11838.003	10.786	10.2	2.4	NO	1.000	NO	bb
7	7 171130M2_7	Standard	50.000	2.43	50261.316	11481.549	54.720	52.1	4.1	NO	1.000	NO	bb
8	8 171130M2_8	Standard	100.000	2.43	89904.984	10584.883	106.171	101.0	1.0	NO	1.000	NO	bb
9	9 171130M2_9	Standard	250.000	2.43	223571.234	10787.176	259.071	246.6	-1.4	NO	1.000	NO	bb

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:22:13 Pacific Standard Time

Compound name: PFBS
Correlation coefficient: r = 0.998297, r^2 = 0.996598
Calibration curve: 2.31236 * x + -0.0549981
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	0.250	2.71	75.568	1518.719	0.622	0.3	17.1	NO	0.997	NO	bb
2	2 171130M2_2	Standard	0.500	2.71	122.531	1509.230	1.015	0.5	-7.5	NO	0.997	NO	bb
3	3 171130M2_3	Standard	1.000	2.71	284.227	1462.164	2.430	1.1	7.5	NO	0.997	NO	bb
4	4 171130M2_4	Standard	2.000	2.71	532.292	1500.705	4.434	1.9	-2.9	NO	0.997	NO	bb
5	5 171130M2_5	Standard	5.000	2.71	1323.386	1526.378	10.838	4.7	-5.8	NO	0.997	NO	bb
6	6 171130M2_6	Standard	10.000	2.71	2781.361	1517.553	22.910	9.9	-0.7	NO	0.997	NO	bb
7	7 171130M2_7	Standard	50.000	2.70	13263.919	1477.582	112.210	48.5	-2.9	NO	0.997	NO	bb
8	8 171130M2_8	Standard	100.000	2.70	23371.834	1391.132	210.007	90.8	-9.2	NO	0.997	NO	bb
9	9 171130M2_9	Standard	250.000	2.71	61567.801	1275.556	603.343	260.9	4.4	NO	0.997	NO	bb

Compound name: PFHxA
Correlation coefficient: r = 0.999587, r^2 = 0.999175
Calibration curve: 1.49858 * x + 0.0522808
Response type: Internal Std (Ref 34), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	0.250	3.21	398.263	4709.271	0.423	0.2	-1.1	NO	0.999	NO	bb
2	2 171130M2_2	Standard	0.500	3.21	735.643	4820.418	0.763	0.5	-5.1	NO	0.999	NO	bb
3	3 171130M2_3	Standard	1.000	3.21	1645.908	5086.429	1.618	1.0	4.5	NO	0.999	NO	bb
4	4 171130M2_4	Standard	2.000	3.21	3061.711	4698.827	3.258	2.1	7.0	NO	0.999	NO	bb
5	5 171130M2_5	Standard	5.000	3.21	7080.026	4854.463	7.292	4.8	-3.4	NO	0.999	NO	bb
6	6 171130M2_6	Standard	10.000	3.21	15462.910	5071.389	15.245	10.1	1.4	NO	0.999	NO	bb
7	7 171130M2_7	Standard	50.000	3.21	68980.516	4618.746	74.675	49.8	-0.4	NO	0.999	NO	bb
8	8 171130M2_8	Standard	100.000	3.21	122445.500	4286.475	142.828	95.3	-4.7	NO	0.999	NO	bb
9	9 171130M2_9	Standard	250.000	3.21	326814.063	4278.816	381.898	254.8	1.9	NO	0.999	NO	bb

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Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:22:13 Pacific Standard Time

Compound name: PFHpA
Correlation coefficient: r = 0.999543, r^2 = 0.999086
Calibration curve: 1.44003 * x + 0.0347273
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	0.250	3.84	288.866	9748.095	0.370	0.2	-6.8	NO	0.999	NO	bb
2	2 171130M2_2	Standard	0.500	3.84	603.213	9340.314	0.807	0.5	7.3	NO	0.999	NO	bb
3	3 171130M2_3	Standard	1.000	3.84	1101.818	9604.221	1.434	1.0	-2.8	NO	0.999	NO	bb
4	4 171130M2_4	Standard	2.000	3.84	2079.138	9341.915	2.782	1.9	-4.6	NO	0.999	NO	bb
5	5 171130M2_5	Standard	5.000	3.84	5637.709	8814.128	7.995	5.5	10.6	NO	0.999	NO	bb
6	6 171130M2_6	Standard	10.000	3.84	10714.787	9045.221	14.807	10.3	2.6	NO	0.999	NO	bb
7	7 171130M2_7	Standard	50.000	3.84	49596.438	9118.016	67.992	47.2	-5.6	NO	0.999	NO	bb
8	8 171130M2_8	Standard	100.000	3.84	93050.758	8278.914	140.494	97.5	-2.5	NO	0.999	NO	bb
9	9 171130M2_9	Standard	250.000	3.84	229820.156	7835.243	366.645	254.6	1.8	NO	0.999	NO	bb

Compound name: L-PFHxS
Correlation coefficient: r = 0.996902, r^2 = 0.993813
Calibration curve: 2.19916 * x + -0.07745
Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	0.250	3.99	57.413	1222.645	0.587	0.3	20.9	NO	0.994	NO	MM
2	2 171130M2_2	Standard	0.500	3.99	104.877	1233.413	1.063	0.5	3.7	NO	0.994	NO	MM
3	3 171130M2_3	Standard	1.000	3.99	216.644	1316.899	2.056	1.0	-3.0	NO	0.994	NO	MM
4	4 171130M2_4	Standard	2.000	3.99	419.247	1344.884	3.897	1.8	-9.6	NO	0.994	NO	MM
5	5 171130M2_5	Standard	5.000	3.99	1009.437	1131.111	11.155	5.1	2.2	NO	0.994	NO	MM
6	6 171130M2_6	Standard	10.000	3.99	2075.411	1261.679	20.562	9.4	-6.1	NO	0.994	NO	MM
7	7 171130M2_7	Standard	50.000	3.98	10249.093	1171.823	109.329	49.7	-0.5	NO	0.994	NO	MM
8	8 171130M2_8	Standard	100.000	3.98	17638.008	1153.031	191.214	87.0	-13.0	NO	0.994	NO	MM
9	9 171130M2_9	Standard	250.000	3.98	48032.250	1034.572	580.340	263.9	5.6	NO	0.994	NO	MM

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:22:13 Pacific Standard Time

Compound name: 6:2 FTS
Coefficient of Determination: R^2 = 0.995689
Calibration curve: -0.00892951 * x^2 + 1.1903 * x + -0.0510228
Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	0.250	4.31	76.932	2949.095	0.326	0.3	27.0	NO	0.996	NO	bb
2	2 171130M2_2	Standard	0.500	4.31	105.122	2877.641	0.457	0.4	-14.4	NO	0.996	NO	bb
3	3 171130M2_3	Standard	1.000	4.30	249.703	3189.312	0.979	0.9	-12.9	NO	0.996	NO	bb
4	4 171130M2_4	Standard	2.000	4.31	443.361	2652.577	2.089	1.8	-8.8	NO	0.996	NO	bb
5	5 171130M2_5	Standard	5.000	4.31	1377.511	2705.069	6.365	5.6	12.6	NO	0.996	NO	bb
6	6 171130M2_6	Standard	10.000	4.31	2394.627	2817.986	10.622	9.7	-3.3	NO	0.996	NO	bb
7	7 171130M2_7	Standard	50.000	4.31	10838.958	3646.967	37.151	50.0	0.1	NO	0.996	NO	bb
8	8 171130M2_8	Standard	100.000	4.30	22488.832	4100.334	68.558			NO	0.996	NO	bbXI
9	9 171130M2_9	Standard	250.000	4.31	52480.293	5027.241	130.490			NO	0.996	NO	bbXI

Compound name: L-PFOA
Correlation coefficient: r = 0.999101, r^2 = 0.998203
Calibration curve: 0.993789 * x + 0.221123
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	0.250	4.36	409.991	11747.346	0.436	0.2	-13.4	NO	0.998	NO	bb
2	2 171130M2_2	Standard	0.500	4.36	568.685	9781.752	0.727	0.5	1.8	NO	0.998	NO	bb
3	3 171130M2_3	Standard	1.000	4.36	1065.737	12289.822	1.084	0.9	-13.2	NO	0.998	NO	bb
4	4 171130M2_4	Standard	2.000	4.36	1939.947	10284.639	2.358	2.2	7.5	NO	0.998	NO	bb
5	5 171130M2_5	Standard	5.000	4.36	5831.622	12638.643	5.768	5.6	11.6	NO	0.998	NO	bb
6	6 171130M2_6	Standard	10.000	4.36	9792.499	11643.548	10.513	10.4	3.6	NO	0.998	NO	bb
7	7 171130M2_7	Standard	50.000	4.36	50617.680	11796.812	53.635	53.7	7.5	NO	0.998	NO	bb
8	8 171130M2_8	Standard	100.000	4.36	76808.578	10231.100	93.842	94.2	-5.8	NO	0.998	NO	bb
9	9 171130M2_9	Standard	250.000	4.36	234868.906	11753.923	249.777	251.1	0.4	NO	0.998	NO	bb

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:22:13 Pacific Standard Time

Compound name: PFHpS
Coefficient of Determination: R^2 = 0.998733
Calibration curve: -0.000260187 * x^2 + 0.306607 * x + -0.0285732
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	0.250	4.48	58.575	11747.346	0.062	0.3	18.6	NO	0.999	NO	MM
2	2 171130M2_2	Standard	0.500	4.47	104.971	9781.752	0.134	0.5	6.2	NO	0.999	NO	bb
3	3 171130M2_3	Standard	1.000	4.47	238.889	12289.822	0.243	0.9	-11.4	NO	0.999	NO	bb
4	4 171130M2_4	Standard	2.000	4.47	460.880	10284.639	0.560	1.9	-3.8	NO	0.999	NO	bb
5	5 171130M2_5	Standard	5.000	4.47	1395.928	12638.643	1.381	4.6	-7.7	NO	0.999	NO	bb
6	6 171130M2_6	Standard	10.000	4.47	2784.163	11643.548	2.989	9.9	-0.7	NO	0.999	NO	bb
7	7 171130M2_7	Standard	50.000	4.47	13098.033	11796.812	13.879	47.3	-5.5	NO	0.999	NO	bb
8	8 171130M2_8	Standard	100.000	4.47	24018.488	10231.100	29.345	105.2	5.2	NO	0.999	NO	bb
9	9 171130M2_9	Standard	250.000	4.47	56412.785	11753.923	59.994	247.9	-0.8	NO	0.999	NO	bb

Compound name: PFNA
Coefficient of Determination: R^2 = 0.999742
Calibration curve: -0.000369406 * x^2 + 1.28272 * x + 0.0412203
Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	0.250	4.80	340.462	13270.944	0.321	0.2	-12.8	NO	1.000	NO	bb
2	2 171130M2_2	Standard	0.500	4.80	806.732	12819.439	0.787	0.6	16.2	NO	1.000	NO	bb
3	3 171130M2_3	Standard	1.000	4.80	1485.193	14951.077	1.242	0.9	-6.4	NO	1.000	NO	bb
4	4 171130M2_4	Standard	2.000	4.80	2725.275	12328.929	2.763	2.1	6.2	NO	1.000	NO	bb
5	5 171130M2_5	Standard	5.000	4.80	5666.443	11705.378	6.051	4.7	-6.2	NO	1.000	NO	bb
6	6 171130M2_6	Standard	10.000	4.80	9439.782	8836.876	13.353	10.4	4.1	NO	1.000	NO	bb
7	7 171130M2_7	Standard	50.000	4.80	55228.105	11139.453	61.974	49.0	-2.1	NO	1.000	NO	bb
8	8 171130M2_8	Standard	100.000	4.79	105799.063	10503.691	125.907	101.1	1.1	NO	1.000	NO	bb
9	9 171130M2_9	Standard	250.000	4.79	250368.828	10524.612	297.361	249.8	-0.1	NO	1.000	NO	bb

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:22:13 Pacific Standard Time

Compound name: PFOSA
Correlation coefficient: r = 0.999106, r^2 = 0.998213
Calibration curve: 0.994678 * x + -0.00199768
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	0.250	4.86	62.992	4176.433	0.189	0.2	-23.4	NO	0.998	NO	bb
2	2 171130M2_2	Standard	0.500	4.85	165.130	4005.932	0.515	0.5	4.0	NO	0.998	NO	bb
3	3 171130M2_3	Standard	1.000	4.85	357.493	4496.594	0.994	1.0	0.1	NO	0.998	NO	bb
4	4 171130M2_4	Standard	2.000	4.85	627.170	3940.386	1.990	2.0	0.1	NO	0.998	NO	bb
5	5 171130M2_5	Standard	5.000	4.85	1675.016	3963.729	5.282	5.3	6.3	NO	0.998	NO	bb
6	6 171130M2_6	Standard	10.000	4.85	3628.134	4186.773	10.832	10.9	8.9	NO	0.998	NO	bb
7	7 171130M2_7	Standard	50.000	4.85	15332.824	3816.294	50.222	50.5	1.0	NO	0.998	NO	bb
8	8 171130M2_8	Standard	100.000	4.85	30821.063	3650.714	105.531	106.1	6.1	NO	0.998	NO	bb
9	9 171130M2_9	Standard	250.000	4.85	73224.852	3798.767	240.949	242.2	-3.1	NO	0.998	NO	bb

Compound name: L-PFOS
Correlation coefficient: r = 0.999139, r^2 = 0.998279
Calibration curve: 1.01107 * x + -0.0499658
Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	0.250	4.89	40.544	3733.393	0.136	0.2	-26.5	NO	0.998	NO	MM
2	2 171130M2_2	Standard	0.500	4.88	166.908	3478.020	0.600	0.6	28.5	NO	0.998	NO	MM
3	3 171130M2_3	Standard	1.000	4.88	243.611	3641.078	0.836	0.9	-12.3	NO	0.998	NO	MM
4	4 171130M2_4	Standard	2.000	4.88	431.966	3558.796	1.517	1.6	-22.5	NO	0.998	NO	MM
5	5 171130M2_5	Standard	5.000	4.88	1398.526	3003.574	5.820	5.8	16.1	NO	0.998	NO	MM
6	6 171130M2_6	Standard	10.000	4.88	2846.063	3899.036	9.124	9.1	-9.3	NO	0.998	NO	MM
7	7 171130M2_7	Standard	50.000	4.88	13544.815	3123.322	54.208	53.7	7.3	NO	0.998	NO	MM
8	8 171130M2_8	Standard	100.000	4.88	26080.139	3221.011	101.211	100.2	0.2	NO	0.998	NO	MM
9	9 171130M2_9	Standard	250.000	4.88	62433.980	3128.150	249.484	246.8	-1.3	NO	0.998	NO	MM

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Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:22:13 Pacific Standard Time

Compound name: PFDA
Coefficient of Determination: R^2 = 0.999735
Calibration curve: -0.000318025 * x^2 + 1.2448 * x + -0.0459846
Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	0.250	5.17	272.344	12192.217	0.279	0.3	4.5	NO	1.000	NO	bb
2	2 171130M2_2	Standard	0.500	5.17	604.706	12445.296	0.607	0.5	5.0	NO	1.000	NO	bb
3	3 171130M2_3	Standard	1.000	5.17	1014.906	10372.713	1.223	1.0	2.0	NO	1.000	NO	bb
4	4 171130M2_4	Standard	2.000	5.17	2227.585	12666.032	2.198	1.8	-9.8	NO	1.000	NO	bb
5	5 171130M2_5	Standard	5.000	5.17	7478.430	14553.928	6.423	5.2	4.1	NO	1.000	NO	bb
6	6 171130M2_6	Standard	10.000	5.17	11990.233	12897.770	11.620	9.4	-6.1	NO	1.000	NO	bb
7	7 171130M2_7	Standard	50.000	5.17	54613.434	11243.512	60.717	49.4	-1.1	NO	1.000	NO	bb
8	8 171130M2_8	Standard	100.000	5.17	101706.305	10316.050	123.238	101.7	1.7	NO	1.000	NO	bb
9	9 171130M2_9	Standard	250.000	5.17	275753.156	11859.434	290.647	249.4	-0.2	NO	1.000	NO	bb

Compound name: 8:2 FTS
Coefficient of Determination: R^2 = 0.998880
Calibration curve: -0.000137534 * x^2 + 0.246001 * x + 0.0115431
Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	0.250	5.14	62.605	12192.217	0.064	0.2	-14.4	NO	0.999	NO	bb
2	2 171130M2_2	Standard	0.500	5.14	161.819	12445.296	0.163	0.6	22.8	NO	0.999	NO	bb
3	3 171130M2_3	Standard	1.000	5.14	233.107	10372.713	0.281	1.1	9.6	NO	0.999	NO	bb
4	4 171130M2_4	Standard	2.000	5.14	474.417	12666.032	0.468	1.9	-7.1	NO	0.999	NO	bb
5	5 171130M2_5	Standard	5.000	5.14	1662.566	14553.928	1.428	5.8	15.5	NO	0.999	NO	bb
6	6 171130M2_6	Standard	10.000	5.14	2305.559	12897.770	2.234	9.1	-9.2	NO	0.999	NO	bb
7	7 171130M2_7	Standard	50.000	5.14	11156.445	11243.512	12.403	51.9	3.8	NO	0.999	NO	bb
8	8 171130M2_8	Standard	100.000	5.14	18725.438	10316.050	22.690	97.5	-2.5	NO	0.999	NO	bb
9	9 171130M2_9	Standard	250.000	5.14	50334.129	11859.434	53.053	250.8	0.3	NO	0.999	NO	bb

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Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:22:13 Pacific Standard Time

Compound name: N-MeFOSAA
Correlation coefficient: r = 0.998317, r^2 = 0.996637
Calibration curve: 1.62324 * x + 0.0453121
Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	0.250	5.33	137.537	4745.171	0.362	0.2	-21.9	NO	0.997	NO	bb
2	2 171130M2_2	Standard	0.500	5.32	315.986	4920.529	0.803	0.5	-6.7	NO	0.997	NO	bb
3	3 171130M2_3	Standard	1.000	5.32	661.026	5382.417	1.535	0.9	-8.2	NO	0.997	NO	bb
4	4 171130M2_4	Standard	2.000	5.32	1341.681	4508.694	3.720	2.3	13.2	NO	0.997	NO	bb
5	5 171130M2_5	Standard	5.000	5.32	3302.465	4936.441	8.362	5.1	2.5	NO	0.997	NO	bb
6	6 171130M2_6	Standard	10.000	5.32	7158.327	4308.112	20.770	12.8	27.7	NO	0.997	NO	bb
7	7 171130M2_7	Standard	50.000	5.32	30525.266	5176.330	73.714	45.4	-9.2	NO	0.997	NO	bb
8	8 171130M2_8	Standard	100.000	5.32	62119.207	4625.540	167.870	103.4	3.4	NO	0.997	NO	bb
9	9 171130M2_9	Standard	250.000	5.32	136925.078	4247.007	403.005	248.2	-0.7	NO	0.997	NO	bb

Compound name: N-EtFOSAA
Coefficient of Determination: R^2 = 0.998249
Calibration curve: -2.37671e-005 * x^2 + 1.14119 * x + -0.0129914
Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	0.250	5.48	86.801	5060.332	0.214	0.2	-20.3	NO	0.998	NO	bb
2	2 171130M2_2	Standard	0.500	5.48	255.989	5112.001	0.626	0.6	12.0	NO	0.998	NO	bb
3	3 171130M2_3	Standard	1.000	5.48	466.179	5048.850	1.154	1.0	2.3	NO	0.998	NO	bb
4	4 171130M2_4	Standard	2.000	5.48	943.918	5222.814	2.259	2.0	-0.4	NO	0.998	NO	bb
5	5 171130M2_5	Standard	5.000	5.48	2092.785	4702.809	5.563	4.9	-2.3	NO	0.998	NO	bb
6	6 171130M2_6	Standard	10.000	5.48	4974.680	5012.781	12.405	10.9	8.8	NO	0.998	NO	bb
7	7 171130M2_7	Standard	50.000	5.48	22186.469	5342.682	51.909	45.5	-8.9	NO	0.998	NO	bb
8	8 171130M2_8	Standard	100.000	5.47	40935.848	4292.969	119.194	104.7	4.7	NO	0.998	NO	bb
9	9 171130M2_9	Standard	250.000	5.48	88952.711	3933.922	282.646	249.0	-0.4	NO	0.998	NO	bb

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:22:13 Pacific Standard Time

Compound name: PFUdA
Coefficient of Determination: R^2 = 0.995529
Calibration curve: -0.000195996 * x^2 + 1.06922 * x + 0.0487971
Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	0.250	5.50	305.848	13479.254	0.284	0.2	-12.1	NO	0.996	NO	bb
2	2 171130M2_2	Standard	0.500	5.50	526.213	14028.435	0.469	0.4	-21.4	NO	0.996	NO	bb
3	3 171130M2_3	Standard	1.000	5.49	1216.580	12639.195	1.203	1.1	8.0	NO	0.996	NO	bb
4	4 171130M2_4	Standard	2.000	5.50	1986.473	10855.245	2.287	2.1	4.7	NO	0.996	NO	bb
5	5 171130M2_5	Standard	5.000	5.50	6636.299	12883.875	6.439	6.0	19.7	NO	0.996	NO	bb
6	6 171130M2_6	Standard	10.000	5.49	12089.289	14417.679	10.481	9.8	-2.3	NO	0.996	NO	bb
7	7 171130M2_7	Standard	50.000	5.49	51403.887	10864.021	59.145	55.8	11.7	NO	0.996	NO	bb
8	8 171130M2_8	Standard	100.000	5.49	90204.000	11812.714	95.452	90.7	-9.3	NO	0.996	NO	bb
9	9 171130M2_9	Standard	250.000	5.49	241113.859	11695.872	257.691	252.7	1.1	NO	0.996	NO	bb

Compound name: PFDS
Coefficient of Determination: R^2 = 0.996426
Calibration curve: -0.00011939 * x^2 + 0.301852 * x + 6.27308e-005
Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	0.250	5.54	63.912	13479.254	0.059	0.2	-21.5	NO	0.996	NO	MM
2	2 171130M2_2	Standard	0.500	5.54	172.419	14028.435	0.154	0.5	1.8	NO	0.996	NO	bb
3	3 171130M2_3	Standard	1.000	5.54	298.513	12639.195	0.295	1.0	-2.2	NO	0.996	NO	bb
4	4 171130M2_4	Standard	2.000	5.54	638.573	10855.245	0.735	2.4	21.9	NO	0.996	NO	bb
5	5 171130M2_5	Standard	5.000	5.54	1583.397	12883.875	1.536	5.1	2.0	NO	0.996	NO	bb
6	6 171130M2_6	Standard	10.000	5.54	3240.220	14417.679	2.809	9.3	-6.6	NO	0.996	NO	bb
7	7 171130M2_7	Standard	50.000	5.54	14297.162	10864.021	16.450	55.7	11.5	NO	0.996	NO	bb
8	8 171130M2_8	Standard	100.000	5.54	25388.553	11812.714	26.866	92.4	-7.6	NO	0.996	NO	bb
9	9 171130M2_9	Standard	250.000	5.54	64118.230	11695.872	68.527	252.2	0.9	NO	0.996	NO	bb

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:22:13 Pacific Standard Time

Compound name: PFDoA
Coefficient of Determination: R^2 = 0.999360
Calibration curve: 0.000677544 * x^2 + 2.58295 * x + 0.267645
Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	0.250	5.78	497.168	6775.885	0.917	0.3	0.6	NO	0.999	NO	bb
2	2 171130M2_2	Standard	0.500	5.78	830.573	6693.635	1.551	0.5	-0.6	NO	0.999	NO	bb
3	3 171130M2_3	Standard	1.000	5.78	1721.475	6532.028	3.294	1.2	17.1	NO	0.999	NO	bb
4	4 171130M2_4	Standard	2.000	5.78	2114.527	6204.634	4.260	1.5	-22.7	NO	0.999	NO	bb
5	5 171130M2_5	Standard	5.000	5.78	6996.339	6943.910	12.594	4.8	-4.7	NO	0.999	NO	bb
6	6 171130M2_6	Standard	10.000	5.77	12477.844	5345.273	29.180	11.2	11.6	NO	0.999	NO	bb
7	7 171130M2_7	Standard	50.000	5.77	72291.898	6968.362	129.679	49.5	-1.1	NO	0.999	NO	bb
8	8 171130M2_8	Standard	100.000	5.77	137066.969	6474.549	264.626	99.7	-0.3	NO	0.999	NO	bb
9	9 171130M2_9	Standard	250.000	5.78	313147.500	5682.667	688.822	250.2	0.1	NO	0.999	NO	bb

Compound name: N-MeFOSA
Correlation coefficient: r = 0.998885, r^2 = 0.997771
Calibration curve: 1.03399 * x + 0.499035
Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	1.250	5.78	195.954	16090.244	1.827	1.3	2.7	NO	0.998	NO	bb
2	2 171130M2_2	Standard	2.500	5.78	312.536	16474.541	2.846	2.3	-9.2	NO	0.998	NO	bb
3	3 171130M2_3	Standard	5.000	5.78	675.675	16986.449	5.967	5.3	5.8	NO	0.998	NO	bb
4	4 171130M2_4	Standard	10.000	5.78	1217.517	15913.234	11.476	10.6	6.2	NO	0.998	NO	bb
5	5 171130M2_5	Standard	25.000	5.78	3230.545	15591.664	31.080	29.6	18.3	NO	0.998	NO	bb
6	6 171130M2_6	Standard	50.000	5.78	6383.380	16757.840	57.138	54.8	9.6	NO	0.998	NO	bd
7	7 171130M2_7	Standard	250.000	5.78	30356.045	16033.357	283.996	274.2	9.7	NO	0.998	NO	bd
8	8 171130M2_8	Standard	500.000	5.78	54289.789	16168.033	503.677	486.6	-2.7	NO	0.998	NO	bb
9	9 171130M2_9	Standard	1250.000	5.78	128978.617	15216.893	1271.402	1229.1	-1.7	NO	0.998	NO	bb

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:22:13 Pacific Standard Time

Compound name: PFTrDA
Coefficient of Determination: R^2 = 0.998587
Calibration curve: -0.00815845 * x^2 + 2.62065 * x + -0.0542591
Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	0.250	6.03	355.548	6775.885	0.656	0.3	8.5	NO	0.999	NO	bb
2	2 171130M2_2	Standard	0.500	6.03	779.781	6693.635	1.456	0.6	15.5	NO	0.999	NO	bb
3	3 171130M2_3	Standard	1.000	6.03	1143.638	6532.028	2.189	0.9	-14.2	NO	0.999	NO	bb
4	4 171130M2_4	Standard	2.000	6.03	2129.066	6204.634	4.289	1.7	-16.7	NO	0.999	NO	bb
5	5 171130M2_5	Standard	5.000	6.03	7234.108	6943.910	13.022	5.1	1.4	NO	0.999	NO	bb
6	6 171130M2_6	Standard	10.000	6.03	11526.986	5345.273	26.956	10.7	6.6	NO	0.999	NO	bb
7	7 171130M2_7	Standard	50.000	6.02	60900.168	6968.362	109.244	49.3	-1.5	NO	0.999	NO	bb
8	8 171130M2_8	Standard	100.000	6.02	93722.328	6474.549	180.944	100.5	0.5	NO	0.999	NO	bb
9	9 171130M2_9	Standard	250.000	6.03	259761.578	5682.667	571.390			NO	0.999	NO	bbXI

Compound name: PFTeDA
Coefficient of Determination: R^2 = 0.994657
Calibration curve: -0.010762 * x^2 + 1.61447 * x + -0.037928
Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	0.250	6.24	225.193	5794.331	0.486	0.3	30.0	NO	0.995	NO	bb
2	2 171130M2_2	Standard	0.500	6.23	409.984	7773.302	0.659	0.4	-13.4	NO	0.995	NO	MM
3	3 171130M2_3	Standard	1.000	6.23	782.161	7699.478	1.270	0.8	-18.6	NO	0.995	NO	bb
4	4 171130M2_4	Standard	2.000	6.24	1529.447	7520.224	2.542	1.6	-19.2	NO	0.995	NO	bb
5	5 171130M2_5	Standard	5.000	6.23	4798.960	6975.360	8.600	5.6	11.1	NO	0.995	NO	bb
6	6 171130M2_6	Standard	10.000	6.23	9244.060	7620.157	15.164	10.1	1.0	NO	0.995	NO	bb
7	7 171130M2_7	Standard	50.000	6.23	31942.869	7435.333	53.701	49.9	-0.3	NO	0.995	NO	bb
8	8 171130M2_8	Standard	100.000	6.23	59918.992	6607.292	113.358			NO	0.995	NO	bbXI
9	9 171130M2_9	Standard	250.000	6.23	181191.391	7991.943	283.397			NO	0.995	NO	bbXI

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:22:13 Pacific Standard Time

Compound name: N-EtFOSA
Coefficient of Determination: R^2 = 0.999837
Calibration curve: -7.94019e-005 * x^2 + 0.980033 * x + 0.0535472
Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	1.250	6.17	220.405	24972.197	1.324	1.3	3.7	NO	1.000	NO	bb
2	2 171130M2_2	Standard	2.500	6.17	378.970	25364.646	2.241	2.2	-10.7	NO	1.000	NO	bb
3	3 171130M2_3	Standard	5.000	6.16	837.515	26151.955	4.804	4.8	-3.0	NO	1.000	NO	bb
4	4 171130M2_4	Standard	10.000	6.17	1679.284	24395.639	10.325	10.5	4.9	NO	1.000	NO	bb
5	5 171130M2_5	Standard	25.000	6.17	4143.949	24581.869	25.287	25.8	3.2	NO	1.000	NO	bb
6	6 171130M2_6	Standard	50.000	6.17	8186.093	24679.881	49.754	50.9	1.8	NO	1.000	NO	bb
7	7 171130M2_7	Standard	250.000	6.16	39919.004	24567.717	243.728	253.9	1.5	NO	1.000	NO	bb
8	8 171130M2_8	Standard	500.000	6.16	70268.391	22790.676	462.481	491.4	-1.7	NO	1.000	NO	bb
9	9 171130M2_9	Standard	1250.000	6.17	167281.469	22741.977	1103.344	1253.0	0.2	NO	1.000	NO	bb

Compound name: PFHxDA
Coefficient of Determination: R^2 = 0.997677
Calibration curve: -2.77493e-005 * x^2 + 0.589818 * x + 0.107397
Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	0.250	6.54	169.329	3727.094	0.227	0.2	-18.8	NO	0.998	NO	bb
2	2 171130M2_2	Standard	0.500	6.54	294.295	3352.082	0.439	0.6	12.4	NO	0.998	NO	bb
3	3 171130M2_3	Standard	1.000	6.54	478.692	3565.703	0.671	1.0	-4.4	NO	0.998	NO	bb
4	4 171130M2_4	Standard	2.000	6.54	889.505	3417.613	1.301	2.0	1.2	NO	0.998	NO	bb
5	5 171130M2_5	Standard	5.000	6.54	2404.974	3746.571	3.210	5.3	5.2	NO	0.998	NO	bb
6	6 171130M2_6	Standard	10.000	6.54	5322.674	4027.949	6.607	11.0	10.3	NO	0.998	NO	bb
7	7 171130M2_7	Standard	50.000	6.54	18736.127	3543.705	26.436	44.7	-10.5	NO	0.998	NO	bb
8	8 171130M2_8	Standard	100.000	6.54	37622.148	3047.706	61.722	105.0	5.0	NO	0.998	NO	bb
9	9 171130M2_9	Standard	250.000	6.54	99096.141	3411.114	145.255	249.0	-0.4	NO	0.998	NO	bb

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:22:13 Pacific Standard Time

Compound name: PFODA
Coefficient of Determination: R^2 = 0.999418
Calibration curve: -0.000461547 * x^2 + 0.803572 * x + -0.0119235
Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	0.250	6.76	168.894	3727.094	0.227	0.3	18.7	NO	0.999	NO	bb
2	2 171130M2_2	Standard	0.500	6.76	275.236	3352.082	0.411	0.5	5.2	NO	0.999	NO	bb
3	3 171130M2_3	Standard	1.000	6.76	526.696	3565.703	0.739	0.9	-6.6	NO	0.999	NO	bb
4	4 171130M2_4	Standard	2.000	6.76	989.380	3417.613	1.447	1.8	-9.1	NO	0.999	NO	bb
5	5 171130M2_5	Standard	5.000	6.76	2786.146	3746.571	3.718	4.7	-6.9	NO	0.999	NO	bb
6	6 171130M2_6	Standard	10.000	6.76	5808.933	4027.949	7.211	9.0	-9.6	NO	0.999	NO	bb
7	7 171130M2_7	Standard	50.000	6.76	27780.654	3543.705	39.197	50.2	0.5	NO	0.999	NO	bb
8	8 171130M2_8	Standard	100.000	6.76	47174.441	3047.706	77.393	102.3	2.3	NO	0.999	NO	bb
9	9 171130M2_9	Standard	250.000	6.76	116912.313	3411.114	171.370	248.8	-0.5	NO	0.999	NO	bb

Compound name: N-MeFOSE
Correlation coefficient: r = 0.996971, r^2 = 0.993951
Calibration curve: 1.06268 * x + 0.00378413
Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	1.250	6.32	234.096	21162.346	1.659	1.6	24.6	NO	0.994	NO	bb
2	2 171130M2_2	Standard	2.500	6.31	429.230	23835.344	2.701	2.5	1.5	NO	0.994	NO	bb
3	3 171130M2_3	Standard	5.000	6.31	755.076	22698.408	4.990	4.7	-6.2	NO	0.994	NO	bb
4	4 171130M2_4	Standard	10.000	6.31	1368.658	22250.709	9.227	8.7	-13.2	NO	0.994	NO	bb
5	5 171130M2_5	Standard	25.000	6.32	3359.122	23342.479	21.586	20.3	-18.8	NO	0.994	NO	bb
6	6 171130M2_6	Standard	50.000	6.31	8840.728	20632.834	64.272	60.5	21.0	NO	0.994	NO	bd
7	7 171130M2_7	Standard	250.000	6.31	32497.559	21880.996	222.779	209.6	-16.1	NO	0.994	NO	bb
8	8 171130M2_8	Standard	500.000	6.31	70624.461	18604.793	569.405	535.8	7.2	NO	0.994	NO	bb
9	9 171130M2_9	Standard	1250.000	6.31	192053.219	21686.127	1328.406	1250.0	0.0	NO	0.994	NO	bb

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:22:13 Pacific Standard Time

Compound name: N-EtFOSE
Coefficient of Determination: R^2 = 0.997345
Calibration curve: -0.000230432 * x^2 + 1.18242 * x + -0.00132205
Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	1.250	6.46	176.162	21038.115	1.256	1.1	-14.9	NO	0.997	NO	bbX
2	2 171130M2_2	Standard	2.500	6.46	382.023	21375.760	2.681	2.3	-9.2	NO	0.997	NO	bb
3	3 171130M2_3	Standard	5.000	6.46	850.587	24666.828	5.172	4.4	-12.4	NO	0.997	NO	bb
4	4 171130M2_4	Standard	10.000	6.46	1954.473	19207.367	15.263	12.9	29.4	NO	0.997	NO	MM
5	5 171130M2_5	Standard	25.000	6.46	4518.973	22482.324	30.150	25.6	2.5	NO	0.997	NO	MM
6	6 171130M2_6	Standard	50.000	6.46	8712.170	25394.922	51.460	43.9	-12.2	NO	0.997	NO	bb
7	7 171130M2_7	Standard	250.000	6.46	40501.676	21112.270	287.759	256.2	2.5	NO	0.997	NO	bb
8	8 171130M2_8	Standard	500.000	6.46	81735.930	23092.180	530.933	497.2	-0.6	NO	0.997	NO	bb
9	9 171130M2_9	Standard	1250.000	6.46	211734.422	21047.094	1509.005	2381.3	90.5	NO	0.997	NO	bbX

Compound name: 13C3-PFBA
Response Factor: 0.869639
RRF SD: 0.0217542, Relative SD: 2.50152
Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	12.500	1.48	9503.607	11195.680	10.611	12.2	-2.4	NO		NO	bb
2	2 171130M2_2	Standard	12.500	1.48	9874.250	11500.658	10.732	12.3	-1.3	NO		NO	MM
3	3 171130M2_3	Standard	12.500	1.48	9886.194	11574.400	10.677	12.3	-1.8	NO		NO	MM
4	4 171130M2_4	Standard	12.500	1.48	9482.467	10787.881	10.987	12.6	1.1	NO		NO	bb
5	5 171130M2_5	Standard	12.500	1.48	9890.582	11516.788	10.735	12.3	-1.2	NO		NO	bb
6	6 171130M2_6	Standard	12.500	1.48	10058.718	11530.720	10.904	12.5	0.3	NO		NO	bb
7	7 171130M2_7	Standard	12.500	1.48	9648.854	10728.023	11.243	12.9	3.4	NO		NO	bb
8	8 171130M2_8	Standard	12.500	1.48	9243.399	10898.314	10.602	12.2	-2.5	NO		NO	bb
9	9 171130M2_9	Standard	12.500	1.48	9490.519	10458.137	11.343	13.0	4.4	NO		NO	bb

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:22:13 Pacific Standard Time

Compound name: 13C3-PFPeA
Response Factor: 0.733303
RRF SD: 0.0229766, Relative SD: 3.1333
Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	12.500	2.44	12017.141	16622.834	9.037	12.3	-1.4	NO		NO	bb
2	2 171130M2_2	Standard	12.500	2.44	12339.529	16980.301	9.084	12.4	-0.9	NO		NO	bb
3	3 171130M2_3	Standard	12.500	2.43	12152.585	16407.262	9.259	12.6	1.0	NO		NO	bb
4	4 171130M2_4	Standard	12.500	2.43	11975.487	15966.067	9.376	12.8	2.3	NO		NO	bd
5	5 171130M2_5	Standard	12.500	2.44	12226.133	16666.398	9.170	12.5	0.0	NO		NO	bb
6	6 171130M2_6	Standard	12.500	2.44	11838.003	17068.055	8.670	11.8	-5.4	NO		NO	bb
7	7 171130M2_7	Standard	12.500	2.43	11481.549	15056.411	9.532	13.0	4.0	NO		NO	bb
8	8 171130M2_8	Standard	12.500	2.43	10584.883	14922.071	8.867	12.1	-3.3	NO		NO	bb
9	9 171130M2_9	Standard	12.500	2.43	10787.176	14188.293	9.504	13.0	3.7	NO		NO	bb

Compound name: 13C3-PFBS
Response Factor: 0.0916795
RRF SD: 0.00305705, Relative SD: 3.33449
Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	12.500	2.71	1518.719	16622.834	1.142	12.5	-0.3	NO		NO	bb
2	2 171130M2_2	Standard	12.500	2.71	1509.230	16980.301	1.111	12.1	-3.1	NO		NO	bb
3	3 171130M2_3	Standard	12.500	2.71	1462.164	16407.262	1.114	12.2	-2.8	NO		NO	bb
4	4 171130M2_4	Standard	12.500	2.71	1500.705	15966.067	1.175	12.8	2.5	NO		NO	bb
5	5 171130M2_5	Standard	12.500	2.71	1526.378	16666.398	1.145	12.5	-0.1	NO		NO	bb
6	6 171130M2_6	Standard	12.500	2.71	1517.553	17068.055	1.111	12.1	-3.0	NO		NO	bb
7	7 171130M2_7	Standard	12.500	2.70	1477.582	15056.411	1.227	13.4	7.0	NO		NO	bb
8	8 171130M2_8	Standard	12.500	2.70	1391.132	14922.071	1.165	12.7	1.7	NO		NO	bb
9	9 171130M2_9	Standard	12.500	2.71	1275.556	14188.293	1.124	12.3	-1.9	NO		NO	bb

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:22:13 Pacific Standard Time

Compound name: 13C2-PFHxA
Response Factor: 0.737636
RRF SD: 0.0241444, Relative SD: 3.27322
Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	5.000	3.21	4709.271	16622.834	3.541	4.8	-4.0	NO		NO	bb
2	2 171130M2_2	Standard	5.000	3.21	4820.418	16980.301	3.549	4.8	-3.8	NO		NO	bb
3	3 171130M2_3	Standard	5.000	3.20	5086.429	16407.262	3.875	5.3	5.1	NO		NO	bb
4	4 171130M2_4	Standard	5.000	3.21	4698.827	15966.067	3.679	5.0	-0.3	NO		NO	bb
5	5 171130M2_5	Standard	5.000	3.21	4854.463	16666.398	3.641	4.9	-1.3	NO		NO	bb
6	6 171130M2_6	Standard	5.000	3.21	5071.389	17068.055	3.714	5.0	0.7	NO		NO	bb
7	7 171130M2_7	Standard	5.000	3.21	4618.746	15056.411	3.835	5.2	4.0	NO		NO	bb
8	8 171130M2_8	Standard	5.000	3.21	4286.475	14922.071	3.591	4.9	-2.6	NO		NO	bb
9	9 171130M2_9	Standard	5.000	3.20	4278.816	14188.293	3.770	5.1	2.2	NO		NO	bb

Compound name: 13C4-PFHpA
Response Factor: 0.564268
RRF SD: 0.0272619, Relative SD: 4.83138
Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	12.500	3.84	9748.095	16622.834	7.330	13.0	3.9	NO		NO	bb
2	2 171130M2_2	Standard	12.500	3.84	9340.314	16980.301	6.876	12.2	-2.5	NO		NO	bb
3	3 171130M2_3	Standard	12.500	3.84	9604.221	16407.262	7.317	13.0	3.7	NO		NO	bb
4	4 171130M2_4	Standard	12.500	3.84	9341.915	15966.067	7.314	13.0	3.7	NO		NO	bb
5	5 171130M2_5	Standard	12.500	3.84	8814.128	16666.398	6.611	11.7	-6.3	NO		NO	bb
6	6 171130M2_6	Standard	12.500	3.84	9045.221	17068.055	6.624	11.7	-6.1	NO		NO	bb
7	7 171130M2_7	Standard	12.500	3.84	9118.016	15056.411	7.570	13.4	7.3	NO		NO	bb
8	8 171130M2_8	Standard	12.500	3.84	8278.914	14922.071	6.935	12.3	-1.7	NO		NO	bb
9	9 171130M2_9	Standard	12.500	3.84	7835.243	14188.293	6.903	12.2	-2.1	NO		NO	bb

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:22:13 Pacific Standard Time

Compound name: 18O2-PFHxS
Response Factor: 0.407156
RRF SD: 0.0366389, Relative SD: 8.99873
Response type: Internal Std (Ref 56), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	12.500	3.99	1222.645	2937.350	5.203	12.8	2.2	NO		NO	bb
2	2 171130M2_2	Standard	12.500	3.99	1233.413	3403.448	4.530	11.1	-11.0	NO		NO	bb
3	3 171130M2_3	Standard	12.500	3.98	1316.899	3372.833	4.881	12.0	-4.1	NO		NO	bb
4	4 171130M2_4	Standard	12.500	3.99	1344.884	2725.318	6.168	15.2	21.2	NO		NO	bb
5	5 171130M2_5	Standard	12.500	3.99	1131.111	2961.987	4.773	11.7	-6.2	NO		NO	bb
6	6 171130M2_6	Standard	12.500	3.99	1261.679	3037.834	5.192	12.8	2.0	NO		NO	bb
7	7 171130M2_7	Standard	12.500	3.98	1171.823	2944.634	4.974	12.2	-2.3	NO		NO	bb
8	8 171130M2_8	Standard	12.500	3.98	1153.031	2910.550	4.952	12.2	-2.7	NO		NO	bb
9	9 171130M2_9	Standard	12.500	3.98	1034.572	2520.036	5.132	12.6	0.8	NO		NO	bb

Compound name: 13C2-6:2 FTS
Response Factor: 0.264571
RRF SD: 0.0480974, Relative SD: 18.1794
Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	12.500	4.31	2949.095	12371.063	2.980	11.3	-9.9	NO		NO	bb
2	2 171130M2_2	Standard	12.500	4.31	2877.641	10462.970	3.438	13.0	4.0	NO		NO	bb
3	3 171130M2_3	Standard	12.500	4.30	3189.312	12104.159	3.294	12.4	-0.4	NO		NO	bb
4	4 171130M2_4	Standard	12.500	4.31	2652.577	11368.130	2.917	11.0	-11.8	NO		NO	bb
5	5 171130M2_5	Standard	12.500	4.31	2705.069	11709.644	2.888	10.9	-12.7	NO		NO	bb
6	6 171130M2_6	Standard	12.500	4.31	2817.986	11572.182	3.044	11.5	-8.0	NO		NO	bb
7	7 171130M2_7	Standard	12.500	4.30	3646.967	9931.045	4.590	17.4	38.8	NO		NO	bb
8	8 171130M2_8	Standard	12.500	4.30	4100.334	9639.346	5.317	20.1	60.8	NO		NO	bbX
9	9 171130M2_9	Standard	12.500	4.31	5027.241	10704.376	5.871	22.2	77.5	NO		NO	bbX

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:22:13 Pacific Standard Time

Compound name: 13C2-PFOA
Response Factor: 1.02637
RRF SD: 0.0900366, Relative SD: 8.77235
Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	12.500	4.36	11747.346	12371.063	11.870	11.6	-7.5	NO		NO	bb
2	2 171130M2_2	Standard	12.500	4.36	9781.752	10462.970	11.686	11.4	-8.9	NO		NO	bb
3	3 171130M2_3	Standard	12.500	4.36	12289.822	12104.159	12.692	12.4	-1.1	NO		NO	bb
4	4 171130M2_4	Standard	12.500	4.36	10284.639	11368.130	11.309	11.0	-11.9	NO		NO	bb
5	5 171130M2_5	Standard	12.500	4.36	12638.643	11709.644	13.492	13.1	5.2	NO		NO	bb
6	6 171130M2_6	Standard	12.500	4.36	11643.548	11572.182	12.577	12.3	-2.0	NO		NO	bb
7	7 171130M2_7	Standard	12.500	4.36	11796.812	9931.045	14.848	14.5	15.7	NO		NO	bb
8	8 171130M2_8	Standard	12.500	4.36	10231.100	9639.346	13.267	12.9	3.4	NO		NO	bb
9	9 171130M2_9	Standard	12.500	4.36	11753.923	10704.376	13.726	13.4	7.0	NO		NO	bb

Compound name: 13C5-PFNA
Response Factor: 0.941895
RRF SD: 0.0829008, Relative SD: 8.80148
Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	12.500	4.80	13270.944	14634.871	11.335	12.0	-3.7	NO		NO	bb
2	2 171130M2_2	Standard	12.500	4.80	12819.439	11568.694	13.851	14.7	17.6	NO		NO	bb
3	3 171130M2_3	Standard	12.500	4.79	14951.077	15889.236	11.762	12.5	-0.1	NO		NO	bb
4	4 171130M2_4	Standard	12.500	4.80	12328.929	14773.932	10.431	11.1	-11.4	NO		NO	bb
5	5 171130M2_5	Standard	12.500	4.80	11705.378	12301.845	11.894	12.6	1.0	NO		NO	bb
6	6 171130M2_6	Standard	12.500	4.80	8836.876	9825.901	11.242	11.9	-4.5	NO		NO	bb
7	7 171130M2_7	Standard	12.500	4.79	11139.453	12892.542	10.800	11.5	-8.3	NO		NO	bb
8	8 171130M2_8	Standard	12.500	4.79	10503.691	11070.048	11.860	12.6	0.7	NO		NO	bb
9	9 171130M2_9	Standard	12.500	4.79	10524.612	10288.409	12.787	13.6	8.6	NO		NO	bb

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:22:13 Pacific Standard Time

Compound name: 13C8-PFOSA
Response Factor: 0.359857
RRF SD: 0.0423197, Relative SD: 11.7601
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	12.500	4.85	4176.433	11807.828	4.421	12.3	-1.7	NO		NO	bb
2	2 171130M2_2	Standard	12.500	4.85	4005.932	11790.271	4.247	11.8	-5.6	NO		NO	bb
3	3 171130M2_3	Standard	12.500	4.85	4496.594	10629.415	5.288	14.7	17.6	NO		NO	bb
4	4 171130M2_4	Standard	12.500	4.85	3940.386	12446.872	3.957	11.0	-12.0	NO		NO	bb
5	5 171130M2_5	Standard	12.500	4.85	3963.729	9378.169	5.283	14.7	17.5	NO		NO	bb
6	6 171130M2_6	Standard	12.500	4.85	4186.773	12433.227	4.209	11.7	-6.4	NO		NO	bb
7	7 171130M2_7	Standard	12.500	4.85	3816.294	12466.216	3.827	10.6	-14.9	NO		NO	bb
8	8 171130M2_8	Standard	12.500	4.85	3650.714	10281.641	4.438	12.3	-1.3	NO		NO	bb
9	9 171130M2_9	Standard	12.500	4.85	3798.767	9865.832	4.813	13.4	7.0	NO		NO	bb

Compound name: 13C8-PFOS
Response Factor: 1.02349
RRF SD: 0.108714, Relative SD: 10.6219
Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	12.500	4.88	3733.393	3213.510	14.522	14.2	13.5	NO		NO	bb
2	2 171130M2_2	Standard	12.500	4.88	3478.020	3410.485	12.748	12.5	-0.4	NO		NO	bb
3	3 171130M2_3	Standard	12.500	4.88	3641.078	3800.138	11.977	11.7	-6.4	NO		NO	bb
4	4 171130M2_4	Standard	12.500	4.88	3558.796	3164.315	14.058	13.7	9.9	NO		NO	bb
5	5 171130M2_5	Standard	12.500	4.88	3003.574	3694.289	10.163	9.9	-20.6	NO		NO	bb
6	6 171130M2_6	Standard	12.500	4.88	3899.036	3464.052	14.070	13.7	10.0	NO		NO	bb
7	7 171130M2_7	Standard	12.500	4.88	3123.322	3193.282	12.226	11.9	-4.4	NO		NO	bb
8	8 171130M2_8	Standard	12.500	4.88	3221.011	3318.969	12.131	11.9	-5.2	NO		NO	bb
9	9 171130M2_9	Standard	12.500	4.88	3128.150	2951.515	13.248	12.9	3.6	NO		NO	bb

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:22:13 Pacific Standard Time

Compound name: 13C2-PFDA
Response Factor: 1.56869
RRF SD: 0.150392, Relative SD: 9.5871
Response type: Internal Std (Ref 60), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	12.500	5.17	12192.217	8567.597	17.788	11.3	-9.3	NO		NO	bb
2	2 171130M2_2	Standard	12.500	5.17	12445.296	8253.339	18.849	12.0	-3.9	NO		NO	bb
3	3 171130M2_3	Standard	12.500	5.17	10372.713	5944.452	21.812	13.9	11.2	NO		NO	bb
4	4 171130M2_4	Standard	12.500	5.17	12666.032	9042.482	17.509	11.2	-10.7	NO		NO	bb
5	5 171130M2_5	Standard	12.500	5.17	14553.928	9906.122	18.365	11.7	-6.3	NO		NO	bb
6	6 171130M2_6	Standard	12.500	5.17	12897.770	9026.134	17.862	11.4	-8.9	NO		NO	bb
7	7 171130M2_7	Standard	12.500	5.17	11243.512	6698.940	20.980	13.4	7.0	NO		NO	bb
8	8 171130M2_8	Standard	12.500	5.17	10316.050	5858.106	22.012	14.0	12.3	NO		NO	bb
9	9 171130M2_9	Standard	12.500	5.17	11859.434	6959.659	21.300	13.6	8.6	NO		NO	bb

Compound name: 13C2-8:2 FTS
Response Factor: 0.0817112
RRF SD: 0.00303238, Relative SD: 3.71109
Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	12.500	5.14	1357.284	16622.834	1.021	12.5	-0.1	NO		NO	bb
2	2 171130M2_2	Standard	12.500	5.14	1485.415	16980.301	1.093	13.4	7.1	NO		NO	bb
3	3 171130M2_3	Standard	12.500	5.14	1318.190	16407.262	1.004	12.3	-1.7	NO		NO	bb
4	4 171130M2_4	Standard	12.500	5.14	1270.135	15966.067	0.994	12.2	-2.6	NO		NO	bb
5	5 171130M2_5	Standard	12.500	5.15	1320.705	16666.398	0.991	12.1	-3.0	NO		NO	bb
6	6 171130M2_6	Standard	12.500	5.14	1399.567	17068.055	1.025	12.5	0.4	NO		NO	bb
7	7 171130M2_7	Standard	12.500	5.14	2198.621	15056.411	1.825	22.3	78.7	NO		NO	bbX
8	8 171130M2_8	Standard	12.500	5.14	1771.469	14922.071	1.484	18.2	45.3	NO		NO	bbX
9	9 171130M2_9	Standard	12.500	5.14	2438.675	14188.293	2.148	26.3	110.3	NO		NO	bbX

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:22:13 Pacific Standard Time

Compound name: d3-N-MeFOSAA
Response Factor: 0.428475
RRF SD: 0.0594029, Relative SD: 13.8638
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	12.500	5.32	4745.171	11807.828	5.023	11.7	-6.2	NO		NO	bb
2	2 171130M2_2	Standard	12.500	5.32	4920.529	11790.271	5.217	12.2	-2.6	NO		NO	bb
3	3 171130M2_3	Standard	12.500	5.31	5382.417	10629.415	6.330	14.8	18.2	NO		NO	bb
4	4 171130M2_4	Standard	12.500	5.32	4508.694	12446.872	4.528	10.6	-15.5	NO		NO	bb
5	5 171130M2_5	Standard	12.500	5.32	4936.441	9378.169	6.580	15.4	22.8	NO		NO	bb
6	6 171130M2_6	Standard	12.500	5.32	4308.112	12433.227	4.331	10.1	-19.1	NO		NO	bb
7	7 171130M2_7	Standard	12.500	5.32	5176.330	12466.216	5.190	12.1	-3.1	NO		NO	bb
8	8 171130M2_8	Standard	12.500	5.31	4625.540	10281.641	5.624	13.1	5.0	NO		NO	bb
9	9 171130M2_9	Standard	12.500	5.32	4247.007	9865.832	5.381	12.6	0.5	NO		NO	bb

Compound name: d5-N-EtFOSAA
Response Factor: 0.434025
RRF SD: 0.0334701, Relative SD: 7.71156
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	12.500	5.48	5060.332	11807.828	5.357	12.3	-1.3	NO		NO	bb
2	2 171130M2_2	Standard	12.500	5.47	5112.001	11790.271	5.420	12.5	-0.1	NO		NO	bb
3	3 171130M2_3	Standard	12.500	5.47	5048.850	10629.415	5.937	13.7	9.4	NO		NO	bb
4	4 171130M2_4	Standard	12.500	5.47	5222.814	12446.872	5.245	12.1	-3.3	NO		NO	bb
5	5 171130M2_5	Standard	12.500	5.48	4702.809	9378.169	6.268	14.4	15.5	NO		NO	bb
6	6 171130M2_6	Standard	12.500	5.47	5012.781	12433.227	5.040	11.6	-7.1	NO		NO	bb
7	7 171130M2_7	Standard	12.500	5.47	5342.682	12466.216	5.357	12.3	-1.3	NO		NO	bb
8	8 171130M2_8	Standard	12.500	5.47	4292.969	10281.641	5.219	12.0	-3.8	NO		NO	bb
9	9 171130M2_9	Standard	12.500	5.47	3933.922	9865.832	4.984	11.5	-8.1	NO		NO	bb

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:22:13 Pacific Standard Time

Compound name: 13C2-PFUdA
Response Factor: 1.12577
RRF SD: 0.15974, Relative SD: 14.1894
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	12.500	5.50	13479.254	11807.828	14.269	12.7	1.4	NO		NO	bb
2	2 171130M2_2	Standard	12.500	5.50	14028.435	11790.271	14.873	13.2	5.7	NO		NO	bb
3	3 171130M2_3	Standard	12.500	5.49	12639.195	10629.415	14.863	13.2	5.6	NO		NO	bb
4	4 171130M2_4	Standard	12.500	5.50	10855.245	12446.872	10.902	9.7	-22.5	NO		NO	bb
5	5 171130M2_5	Standard	12.500	5.50	12883.875	9378.169	17.173	15.3	22.0	NO		NO	bb
6	6 171130M2_6	Standard	12.500	5.49	14417.679	12433.227	14.495	12.9	3.0	NO		NO	bb
7	7 171130M2_7	Standard	12.500	5.49	10864.021	12466.216	10.893	9.7	-22.6	NO		NO	bb
8	8 171130M2_8	Standard	12.500	5.49	11812.714	10281.641	14.361	12.8	2.1	NO		NO	bb
9	9 171130M2_9	Standard	12.500	5.49	11695.872	9865.832	14.819	13.2	5.3	NO		NO	bb

Compound name: 13C2-PFDoA
Response Factor: 0.576626
RRF SD: 0.0859616, Relative SD: 14.9077
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	12.500	5.78	6775.885	11807.828	7.173	12.4	-0.5	NO		NO	bb
2	2 171130M2_2	Standard	12.500	5.78	6693.635	11790.271	7.097	12.3	-1.5	NO		NO	bb
3	3 171130M2_3	Standard	12.500	5.78	6532.028	10629.415	7.682	13.3	6.6	NO		NO	bb
4	4 171130M2_4	Standard	12.500	5.78	6204.634	12446.872	6.231	10.8	-13.6	NO		NO	bb
5	5 171130M2_5	Standard	12.500	5.78	6943.910	9378.169	9.255	16.1	28.4	NO		NO	bb
6	6 171130M2_6	Standard	12.500	5.78	5345.273	12433.227	5.374	9.3	-25.4	NO		NO	bb
7	7 171130M2_7	Standard	12.500	5.77	6968.362	12466.216	6.987	12.1	-3.1	NO		NO	bb
8	8 171130M2_8	Standard	12.500	5.77	6474.549	10281.641	7.871	13.7	9.2	NO		NO	bb
9	9 171130M2_9	Standard	12.500	5.77	5682.667	9865.832	7.200	12.5	-0.1	NO		NO	bb

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:22:13 Pacific Standard Time

Compound name: d3-N-MeFOSA
Response Factor: 0.120814
RRF SD: 0.0120671, Relative SD: 9.98814
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171130M2_1	Standard	150.000	5.81	16090.244	11807.828	17.033	141.0	-6.0	NO		NO	bb
2	2	171130M2_2	Standard	150.000	5.80	16474.541	11790.271	17.466	144.6	-3.6	NO		NO	bb
3	3	171130M2_3	Standard	150.000	5.80	16986.449	10629.415	19.976	165.3	10.2	NO		NO	bb
4	4	171130M2_4	Standard	150.000	5.80	15913.234	12446.872	15.981	132.3	-11.8	NO		NO	bb
5	5	171130M2_5	Standard	150.000	5.80	15591.664	9378.169	20.782	172.0	14.7	NO		NO	bb
6	6	171130M2_6	Standard	150.000	5.80	16757.840	12433.227	16.848	139.5	-7.0	NO		NO	bb
7	7	171130M2_7	Standard	150.000	5.80	16033.357	12466.216	16.077	133.1	-11.3	NO		NO	bb
8	8	171130M2_8	Standard	150.000	5.80	16168.033	10281.641	19.656	162.7	8.5	NO		NO	bb
9	9	171130M2_9	Standard	150.000	5.80	15216.893	9865.832	19.280	159.6	6.4	NO		NO	bb

Compound name: 13C2-PFTeDA
Response Factor: 0.653818
RRF SD: 0.0946506, Relative SD: 14.4766
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171130M2_1	Standard	12.500	6.24	5794.331	11807.828	6.134	9.4	-24.9	NO		NO	bb
2	2	171130M2_2	Standard	12.500	6.23	7773.302	11790.271	8.241	12.6	0.8	NO		NO	bb
3	3	171130M2_3	Standard	12.500	6.23	7699.478	10629.415	9.054	13.8	10.8	NO		NO	bb
4	4	171130M2_4	Standard	12.500	6.24	7520.224	12446.872	7.552	11.6	-7.6	NO		NO	bb
5	5	171130M2_5	Standard	12.500	6.23	6975.360	9378.169	9.297	14.2	13.8	NO		NO	bb
6	6	171130M2_6	Standard	12.500	6.23	7620.157	12433.227	7.661	11.7	-6.3	NO		NO	bb
7	7	171130M2_7	Standard	12.500	6.23	7435.333	12466.216	7.455	11.4	-8.8	NO		NO	bb
8	8	171130M2_8	Standard	12.500	6.23	6607.292	10281.641	8.033	12.3	-1.7	NO		NO	bb
9	9	171130M2_9	Standard	12.500	6.23	7991.943	9865.832	10.126	15.5	23.9	NO		NO	bb

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:22:13 Pacific Standard Time

Compound name: d5-N-ETFOSA
Response Factor: 0.183196
RRF SD: 0.0191504, Relative SD: 10.4535
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	150.000	6.18	24972.197	11807.828	26.436	144.3	-3.8	NO		NO	bb
2	2 171130M2_2	Standard	150.000	6.18	25364.646	11790.271	26.892	146.8	-2.1	NO		NO	bb
3	3 171130M2_3	Standard	150.000	6.18	26151.955	10629.415	30.754	167.9	11.9	NO		NO	bb
4	4 171130M2_4	Standard	150.000	6.18	24395.639	12446.872	24.500	133.7	-10.8	NO		NO	bb
5	5 171130M2_5	Standard	150.000	6.18	24581.869	9378.169	32.765	178.9	19.2	NO		NO	bb
6	6 171130M2_6	Standard	150.000	6.18	24679.881	12433.227	24.812	135.4	-9.7	NO		NO	bb
7	7 171130M2_7	Standard	150.000	6.18	24567.717	12466.216	24.634	134.5	-10.4	NO		NO	bb
8	8 171130M2_8	Standard	150.000	6.18	22790.676	10281.641	27.708	151.2	0.8	NO		NO	bb
9	9 171130M2_9	Standard	150.000	6.18	22741.977	9865.832	28.814	157.3	4.9	NO		NO	bb

Compound name: 13C2-PFHxDA
Response Factor: 0.794414
RRF SD: 0.0983534, Relative SD: 12.3806
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	5.000	6.54	3727.094	11807.828	3.946	5.0	-0.7	NO		NO	bb
2	2 171130M2_2	Standard	5.000	6.54	3352.082	11790.271	3.554	4.5	-10.5	NO		NO	bb
3	3 171130M2_3	Standard	5.000	6.54	3565.703	10629.415	4.193	5.3	5.6	NO		NO	bb
4	4 171130M2_4	Standard	5.000	6.54	3417.613	12446.872	3.432	4.3	-13.6	NO		NO	bb
5	5 171130M2_5	Standard	5.000	6.54	3746.571	9378.169	4.994	6.3	25.7	NO		NO	bb
6	6 171130M2_6	Standard	5.000	6.54	4027.949	12433.227	4.050	5.1	2.0	NO		NO	bb
7	7 171130M2_7	Standard	5.000	6.54	3543.705	12466.216	3.553	4.5	-10.5	NO		NO	bb
8	8 171130M2_8	Standard	5.000	6.54	3047.706	10281.641	3.705	4.7	-6.7	NO		NO	bb
9	9 171130M2_9	Standard	5.000	6.54	3411.114	9865.832	4.322	5.4	8.8	NO		NO	bb

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:22:13 Pacific Standard Time

Compound name: d7-N-MeFOSE
Response Factor: 0.16341
RRF SD: 0.0225127, Relative SD: 13.7768
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	150.000	6.30	21162.346	11807.828	22.403	137.1	-8.6	NO		NO	bb
2	2 171130M2_2	Standard	150.000	6.30	23835.344	11790.271	25.270	154.6	3.1	NO		NO	bb
3	3 171130M2_3	Standard	150.000	6.30	22698.408	10629.415	26.693	163.3	8.9	NO		NO	bd
4	4 171130M2_4	Standard	150.000	6.30	22250.709	12446.872	22.346	136.7	-8.8	NO		NO	bb
5	5 171130M2_5	Standard	150.000	6.30	23342.479	9378.169	31.113	190.4	26.9	NO		NO	bd
6	6 171130M2_6	Standard	150.000	6.30	20632.834	12433.227	20.744	126.9	-15.4	NO		NO	bb
7	7 171130M2_7	Standard	150.000	6.30	21880.996	12466.216	21.940	134.3	-10.5	NO		NO	bb
8	8 171130M2_8	Standard	150.000	6.30	18604.793	10281.641	22.619	138.4	-7.7	NO		NO	bb
9	9 171130M2_9	Standard	150.000	6.30	21686.127	9865.832	27.476	168.1	12.1	NO		NO	bb

Compound name: d9-N-EtFOSE
Response Factor: 0.166399
RRF SD: 0.0251018, Relative SD: 15.0853
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	150.000	6.45	21038.115	11807.828	22.271	133.8	-10.8	NO		NO	bb
2	2 171130M2_2	Standard	150.000	6.45	21375.760	11790.271	22.662	136.2	-9.2	NO		NO	bd
3	3 171130M2_3	Standard	150.000	6.45	24666.828	10629.415	29.008	174.3	16.2	NO		NO	MM
4	4 171130M2_4	Standard	150.000	6.45	19207.367	12446.872	19.289	115.9	-22.7	NO		NO	MM
5	5 171130M2_5	Standard	150.000	6.45	22482.324	9378.169	29.966	180.1	20.1	NO		NO	MM
6	6 171130M2_6	Standard	150.000	6.45	25394.922	12433.227	25.531	153.4	2.3	NO		NO	bb
7	7 171130M2_7	Standard	150.000	6.45	21112.270	12466.216	21.169	127.2	-15.2	NO		NO	bd
8	8 171130M2_8	Standard	150.000	6.45	23092.180	10281.641	28.075	168.7	12.5	NO		NO	bb
9	9 171130M2_9	Standard	150.000	6.45	21047.094	9865.832	26.667	160.3	6.8	NO		NO	bb

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:22:13 Pacific Standard Time

Compound name: 13C4-PFBA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	12.500	1.48	11195.680	11195.680	12.500	12.5	0.0	NO		NO	bb
2	2 171130M2_2	Standard	12.500	1.48	11500.658	11500.658	12.500	12.5	0.0	NO		NO	MM
3	3 171130M2_3	Standard	12.500	1.48	11574.400	11574.400	12.500	12.5	0.0	NO		NO	bb
4	4 171130M2_4	Standard	12.500	1.48	10787.881	10787.881	12.500	12.5	0.0	NO		NO	MM
5	5 171130M2_5	Standard	12.500	1.48	11516.788	11516.788	12.500	12.5	0.0	NO		NO	bb
6	6 171130M2_6	Standard	12.500	1.48	11530.720	11530.720	12.500	12.5	0.0	NO		NO	bb
7	7 171130M2_7	Standard	12.500	1.48	10728.023	10728.023	12.500	12.5	0.0	NO		NO	bb
8	8 171130M2_8	Standard	12.500	1.48	10898.314	10898.314	12.500	12.5	0.0	NO		NO	bb
9	9 171130M2_9	Standard	12.500	1.48	10458.137	10458.137	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C5-PFHxA
Response Factor: 1
RRF SD: 5.55112e-017, Relative SD: 5.55112e-015
Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	12.500	3.21	16622.834	16622.834	12.500	12.5	0.0	NO		NO	bb
2	2 171130M2_2	Standard	12.500	3.21	16980.301	16980.301	12.500	12.5	0.0	NO		NO	bb
3	3 171130M2_3	Standard	12.500	3.21	16407.262	16407.262	12.500	12.5	0.0	NO		NO	bb
4	4 171130M2_4	Standard	12.500	3.21	15966.067	15966.067	12.500	12.5	0.0	NO		NO	bb
5	5 171130M2_5	Standard	12.500	3.21	16666.398	16666.398	12.500	12.5	0.0	NO		NO	bb
6	6 171130M2_6	Standard	12.500	3.21	17068.055	17068.055	12.500	12.5	0.0	NO		NO	bb
7	7 171130M2_7	Standard	12.500	3.21	15056.411	15056.411	12.500	12.5	0.0	NO		NO	bb
8	8 171130M2_8	Standard	12.500	3.21	14922.071	14922.071	12.500	12.5	0.0	NO		NO	bb
9	9 171130M2_9	Standard	12.500	3.21	14188.293	14188.293	12.500	12.5	0.0	NO		NO	bb

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Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:22:13 Pacific Standard Time

Compound name: 13C3-PFHxS
Response Factor: 1
RRF SD: 3.92523e-017, Relative SD: 3.92523e-015
Response type: Internal Std (Ref 56), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	12.500	3.99	2937.350	2937.350	12.500	12.5	0.0	NO		NO	bb
2	2 171130M2_2	Standard	12.500	3.99	3403.448	3403.448	12.500	12.5	0.0	NO		NO	bb
3	3 171130M2_3	Standard	12.500	3.98	3372.833	3372.833	12.500	12.5	0.0	NO		NO	bb
4	4 171130M2_4	Standard	12.500	3.99	2725.318	2725.318	12.500	12.5	0.0	NO		NO	bb
5	5 171130M2_5	Standard	12.500	3.99	2961.987	2961.987	12.500	12.5	0.0	NO		NO	bb
6	6 171130M2_6	Standard	12.500	3.99	3037.834	3037.834	12.500	12.5	0.0	NO		NO	bb
7	7 171130M2_7	Standard	12.500	3.98	2944.634	2944.634	12.500	12.5	0.0	NO		NO	bb
8	8 171130M2_8	Standard	12.500	3.98	2910.550	2910.550	12.500	12.5	0.0	NO		NO	bb
9	9 171130M2_9	Standard	12.500	3.98	2520.036	2520.036	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C8-PFOA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	12.500	4.36	12371.063	12371.063	12.500	12.5	0.0	NO		NO	bb
2	2 171130M2_2	Standard	12.500	4.36	10462.970	10462.970	12.500	12.5	0.0	NO		NO	bb
3	3 171130M2_3	Standard	12.500	4.36	12104.159	12104.159	12.500	12.5	0.0	NO		NO	bb
4	4 171130M2_4	Standard	12.500	4.36	11368.130	11368.130	12.500	12.5	0.0	NO		NO	bb
5	5 171130M2_5	Standard	12.500	4.36	11709.644	11709.644	12.500	12.5	0.0	NO		NO	bb
6	6 171130M2_6	Standard	12.500	4.36	11572.182	11572.182	12.500	12.5	0.0	NO		NO	bb
7	7 171130M2_7	Standard	12.500	4.36	9931.045	9931.045	12.500	12.5	0.0	NO		NO	bd
8	8 171130M2_8	Standard	12.500	4.36	9639.346	9639.346	12.500	12.5	0.0	NO		NO	bb
9	9 171130M2_9	Standard	12.500	4.36	10704.376	10704.376	12.500	12.5	0.0	NO		NO	bb

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:22:13 Pacific Standard Time

Compound name: 13C9-PFNA
Response Factor: 1
RRF SD: 8.77708e-017, Relative SD: 8.77708e-015
Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	12.500	4.80	14634.871	14634.871	12.500	12.5	0.0	NO		NO	bb
2	2 171130M2_2	Standard	12.500	4.79	11568.694	11568.694	12.500	12.5	0.0	NO		NO	bb
3	3 171130M2_3	Standard	12.500	4.79	15889.236	15889.236	12.500	12.5	0.0	NO		NO	bb
4	4 171130M2_4	Standard	12.500	4.80	14773.932	14773.932	12.500	12.5	0.0	NO		NO	bb
5	5 171130M2_5	Standard	12.500	4.80	12301.845	12301.845	12.500	12.5	0.0	NO		NO	bb
6	6 171130M2_6	Standard	12.500	4.80	9825.901	9825.901	12.500	12.5	0.0	NO		NO	bb
7	7 171130M2_7	Standard	12.500	4.79	12892.542	12892.542	12.500	12.5	0.0	NO		NO	bb
8	8 171130M2_8	Standard	12.500	4.79	11070.048	11070.048	12.500	12.5	0.0	NO		NO	bb
9	9 171130M2_9	Standard	12.500	4.80	10288.409	10288.409	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C4-PFOS
Response Factor: 1
RRF SD: 3.92523e-017, Relative SD: 3.92523e-015
Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	12.500	4.88	3213.510	3213.510	12.500	12.5	0.0	NO		NO	bb
2	2 171130M2_2	Standard	12.500	4.88	3410.485	3410.485	12.500	12.5	0.0	NO		NO	bb
3	3 171130M2_3	Standard	12.500	4.88	3800.138	3800.138	12.500	12.5	0.0	NO		NO	bb
4	4 171130M2_4	Standard	12.500	4.88	3164.315	3164.315	12.500	12.5	0.0	NO		NO	bb
5	5 171130M2_5	Standard	12.500	4.88	3694.289	3694.289	12.500	12.5	0.0	NO		NO	bb
6	6 171130M2_6	Standard	12.500	4.88	3464.052	3464.052	12.500	12.5	0.0	NO		NO	bb
7	7 171130M2_7	Standard	12.500	4.88	3193.282	3193.282	12.500	12.5	0.0	NO		NO	bb
8	8 171130M2_8	Standard	12.500	4.88	3318.969	3318.969	12.500	12.5	0.0	NO		NO	bb
9	9 171130M2_9	Standard	12.500	4.88	2951.515	2951.515	12.500	12.5	0.0	NO		NO	bb

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:22:13 Pacific Standard Time

Compound name: 13C6-PFDA
Response Factor: 1
RRF SD: 7.85046e-017, Relative SD: 7.85046e-015
Response type: Internal Std (Ref 60), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	12.500	5.17	8567.597	8567.597	12.500	12.5	0.0	NO		NO	bb
2	2 171130M2_2	Standard	12.500	5.17	8253.339	8253.339	12.500	12.5	0.0	NO		NO	bb
3	3 171130M2_3	Standard	12.500	5.17	5944.452	5944.452	12.500	12.5	0.0	NO		NO	bb
4	4 171130M2_4	Standard	12.500	5.17	9042.482	9042.482	12.500	12.5	0.0	NO		NO	bb
5	5 171130M2_5	Standard	12.500	5.17	9906.122	9906.122	12.500	12.5	0.0	NO		NO	bb
6	6 171130M2_6	Standard	12.500	5.17	9026.134	9026.134	12.500	12.5	0.0	NO		NO	bb
7	7 171130M2_7	Standard	12.500	5.17	6698.940	6698.940	12.500	12.5	0.0	NO		NO	bb
8	8 171130M2_8	Standard	12.500	5.17	5858.106	5858.106	12.500	12.5	0.0	NO		NO	bb
9	9 171130M2_9	Standard	12.500	5.17	6959.659	6959.659	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C7-PFUdA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171130M2_1	Standard	12.500	5.50	11807.828	11807.828	12.500	12.5	0.0	NO		NO	bb
2	2 171130M2_2	Standard	12.500	5.49	11790.271	11790.271	12.500	12.5	0.0	NO		NO	bb
3	3 171130M2_3	Standard	12.500	5.49	10629.415	10629.415	12.500	12.5	0.0	NO		NO	bd
4	4 171130M2_4	Standard	12.500	5.50	12446.872	12446.872	12.500	12.5	0.0	NO		NO	bb
5	5 171130M2_5	Standard	12.500	5.50	9378.169	9378.169	12.500	12.5	0.0	NO		NO	bb
6	6 171130M2_6	Standard	12.500	5.49	12433.227	12433.227	12.500	12.5	0.0	NO		NO	bb
7	7 171130M2_7	Standard	12.500	5.49	12466.216	12466.216	12.500	12.5	0.0	NO		NO	bb
8	8 171130M2_8	Standard	12.500	5.49	10281.641	10281.641	12.500	12.5	0.0	NO		NO	bb
9	9 171130M2_9	Standard	12.500	5.49	9865.832	9865.832	12.500	12.5	0.0	NO		NO	bb

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Dataset: Untitled

Last Altered: Friday, December 01, 2017 12:48:57 Pacific Standard Time
Printed: Friday, December 01, 2017 12:49:52 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_113017.mdb 01 Dec 2017 12:18:40
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-30-17_FULL.cdb 01 Dec 2017 12:17:32

Compound name: PFBA

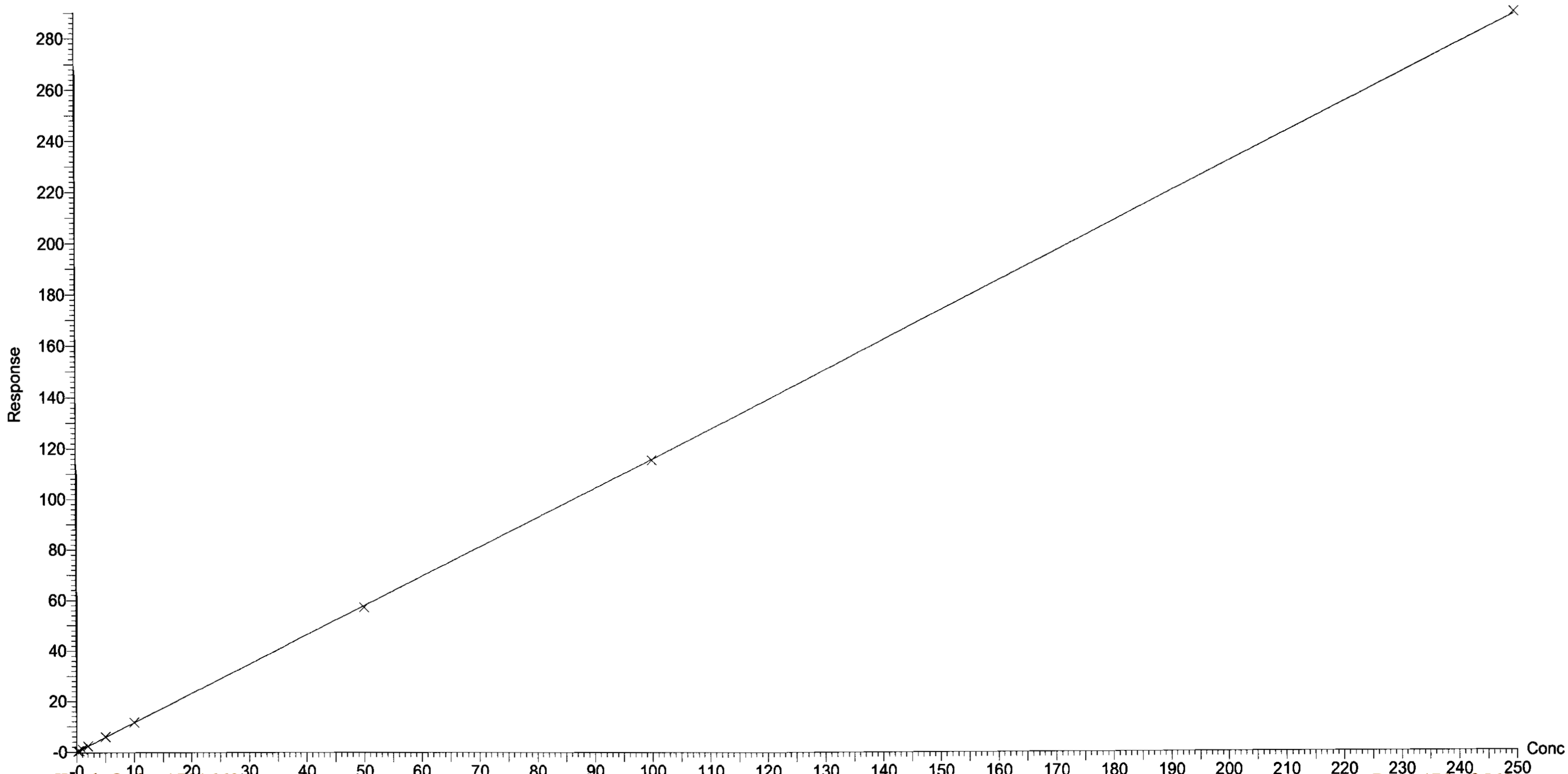
	Name	ID	Acq.Date	Acq.Time
1	171130M2_1	ST171130M2-1 PFC CS-2 17K2806	01-Dec-17	00:37:22
2	171130M2_2	ST171130M2-2 PFC CS-1 17K2807	01-Dec-17	00:48:31
3	171130M2_3	ST171130M2-3 PFC CS0 17K2808	01-Dec-17	00:59:42
4	171130M2_4	ST171130M2-4 PFC CS1 17K2814	01-Dec-17	01:10:52
5	171130M2_5	ST171130M2-5 PFC CS2 17K2809	01-Dec-17	01:22:02
6	171130M2_6	ST171130M2-6 PFC CS3 17K2810	01-Dec-17	01:33:13
7	171130M2_7	ST171130M2-7 PFC CS4 17K2811	01-Dec-17	01:44:24
8	171130M2_8	ST171130M2-8 PFC CS5 17K2812	01-Dec-17	01:55:35
9	171130M2_9	ST171130M2-9 PFC CS6 17K2817	01-Dec-17	02:06:46
10	171130M2_10	ST171130M2-10 PFC CS7 17K2818	01-Dec-17	02:18:00
11	171130M2_11	IPA	01-Dec-17	02:29:15
12	171130M2_12	ICV171130M2-1 PFC ICV 17K3001	01-Dec-17	02:40:26

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:20:32 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_112917.mdb 29 Nov 2017 15:16:56
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-30-17_FULL.cdb 01 Dec 2017 12:17:32

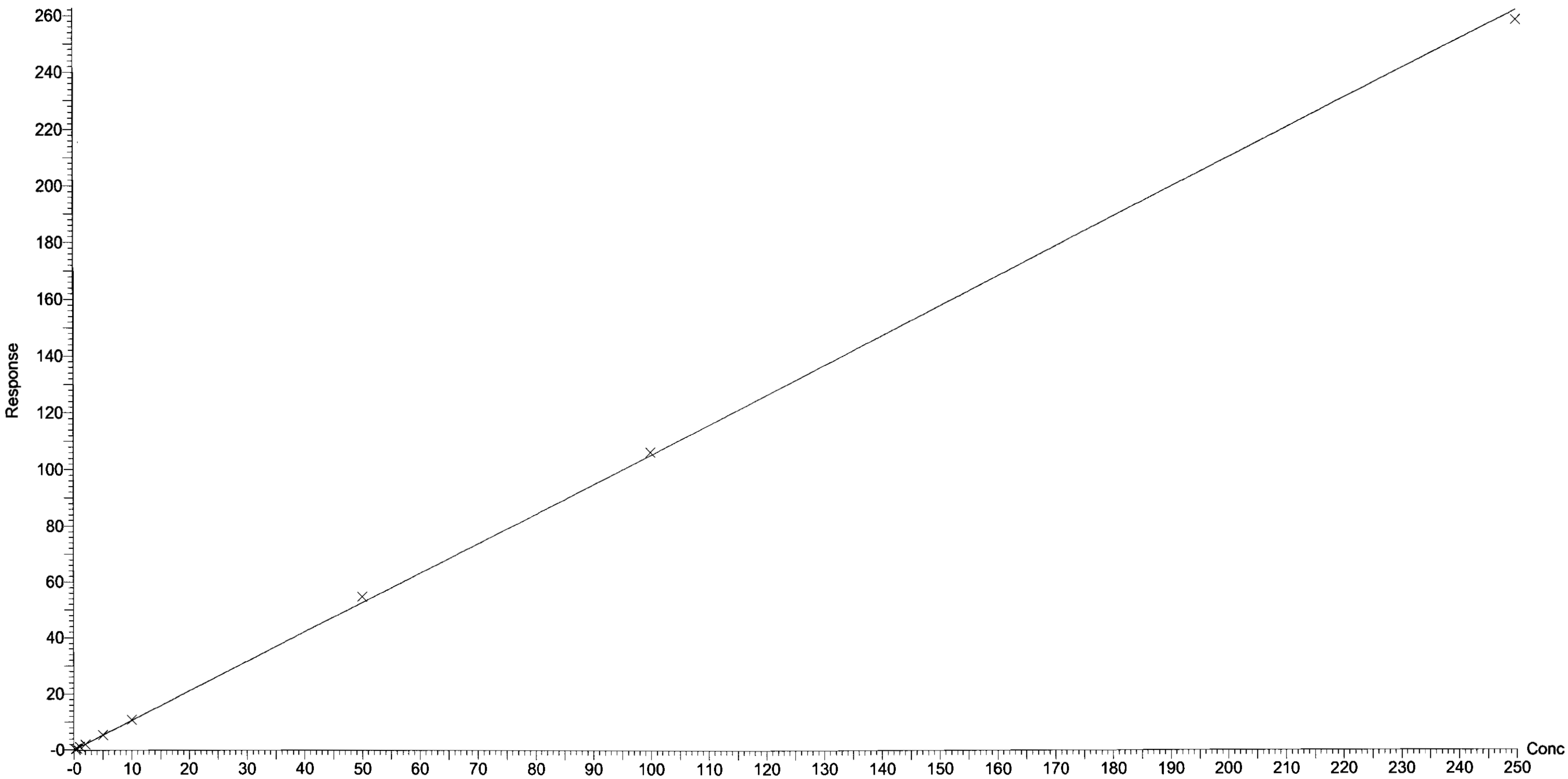
Compound name: PFBA
Correlation coefficient: r = 0.999968, r^2 = 0.999936
Calibration curve: 1.15724 * x + -0.0415544
Response type: Internal Std (Ref 31), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:20:32 Pacific Standard Time

Compound name: PFPeA
Correlation coefficient: r = 0.999806, r^2 = 0.999612
Calibration curve: 1.05044 * x + 0.0321015
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

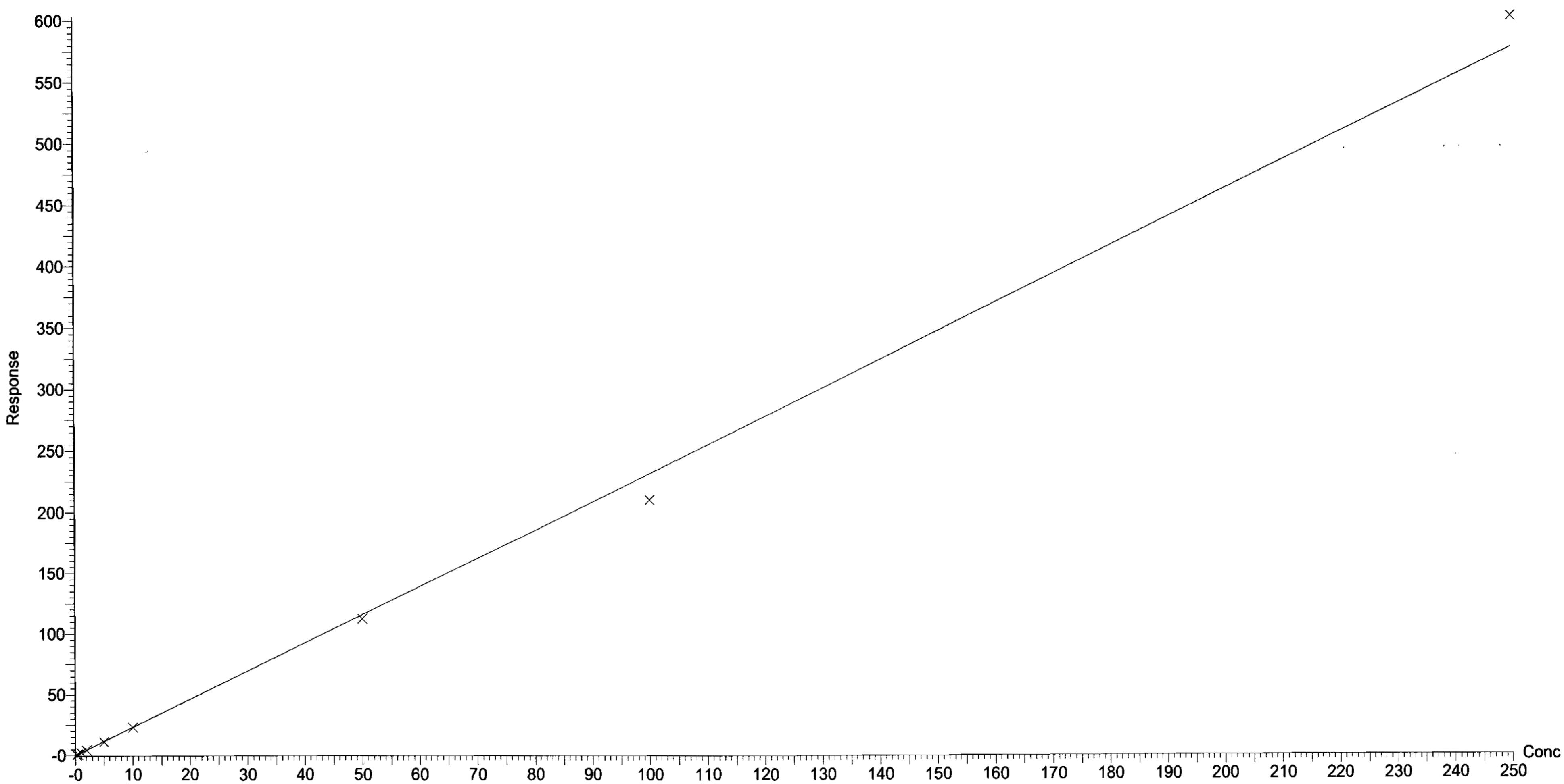


Vista Analytical Laboratory Q1

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:20:32 Pacific Standard Time

Compound name: PFBS
Correlation coefficient: r = 0.998297, r^2 = 0.996598
Calibration curve: 2.31236 * x + -0.0549981
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

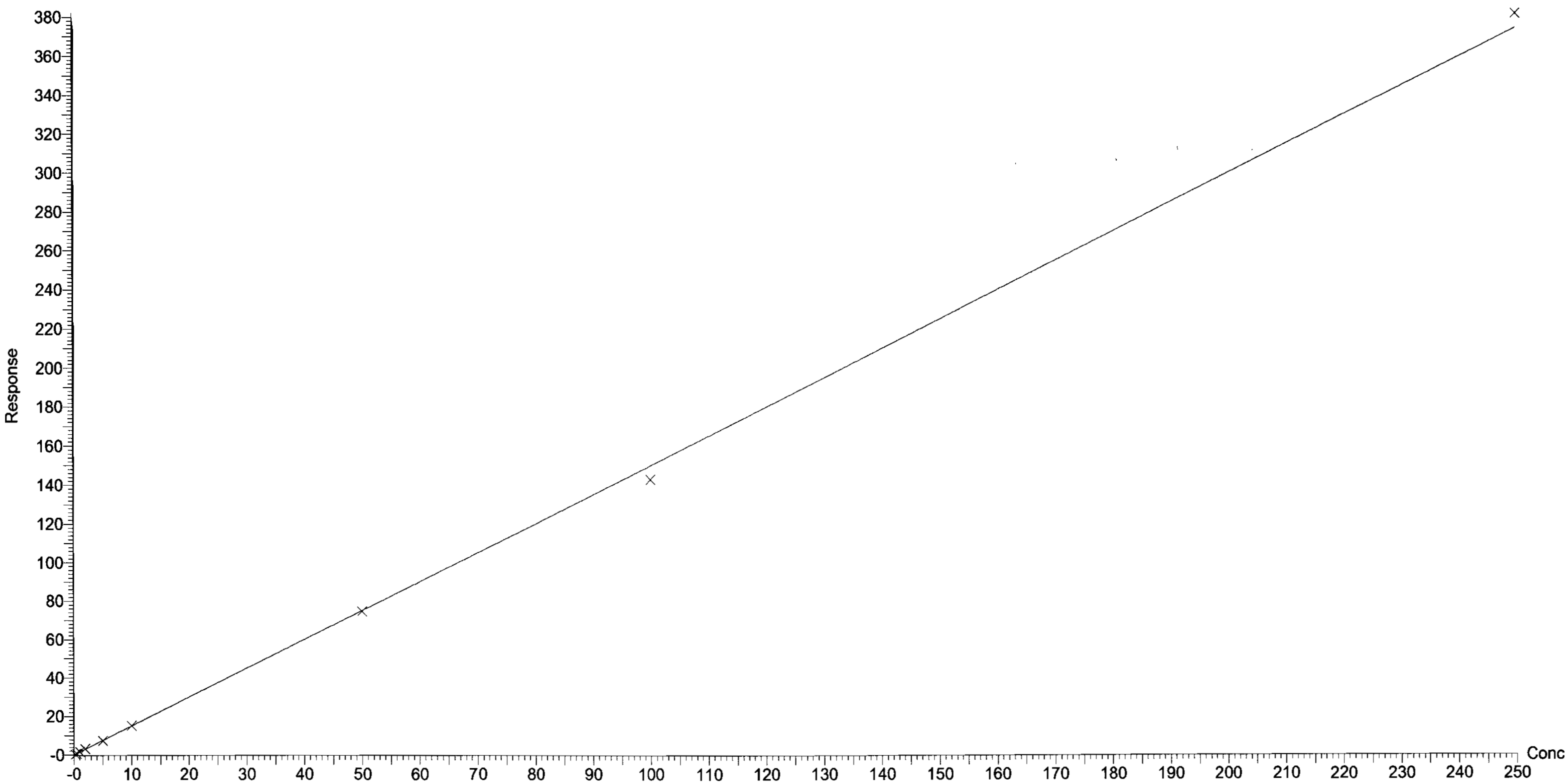


Vista Analytical Laboratory Q1

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:20:32 Pacific Standard Time

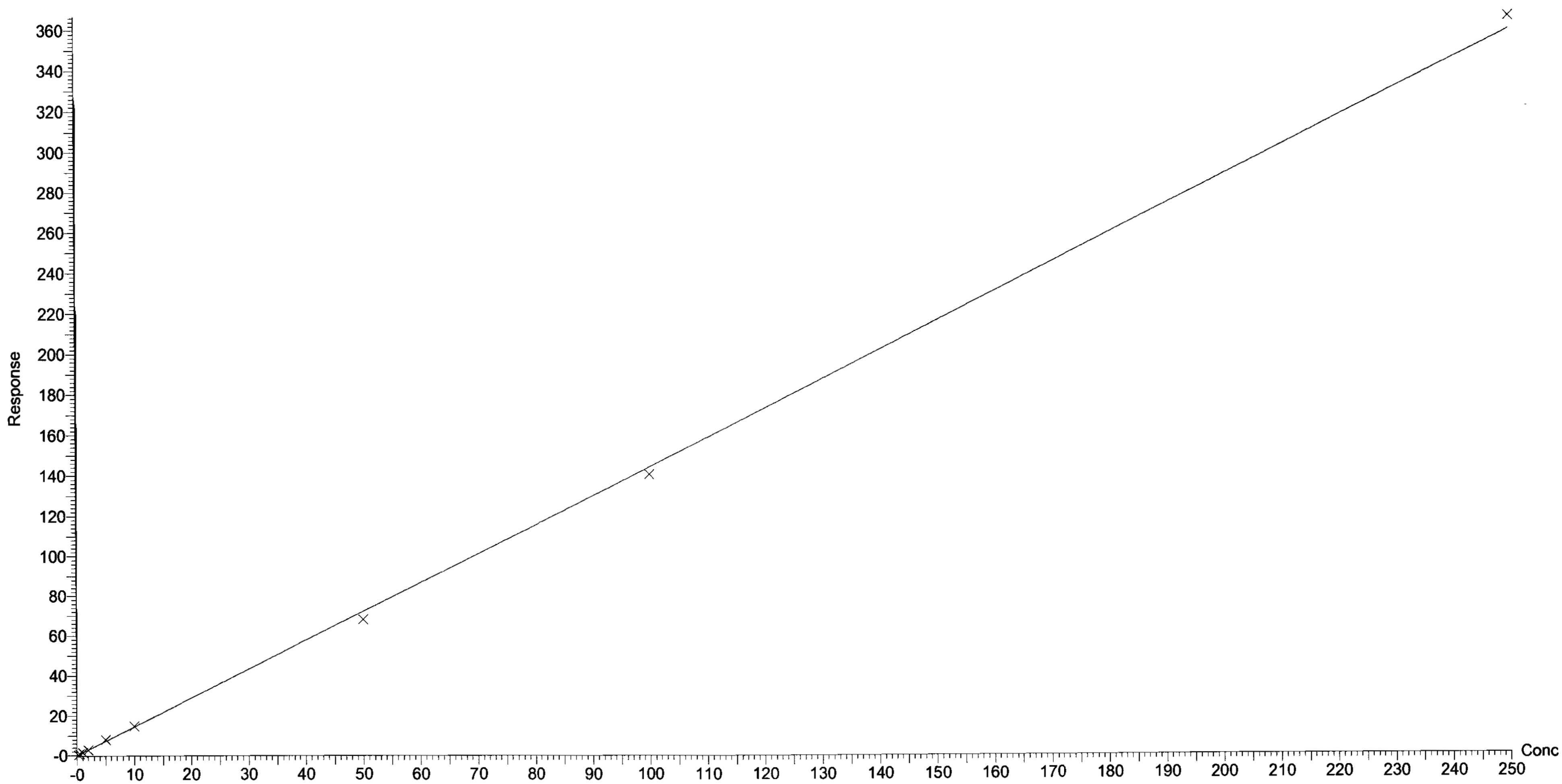
Compound name: PFHxA
Correlation coefficient: r = 0.999587, r^2 = 0.999175
Calibration curve: 1.49858 * x + 0.0522808
Response type: Internal Std (Ref 34), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:20:32 Pacific Standard Time

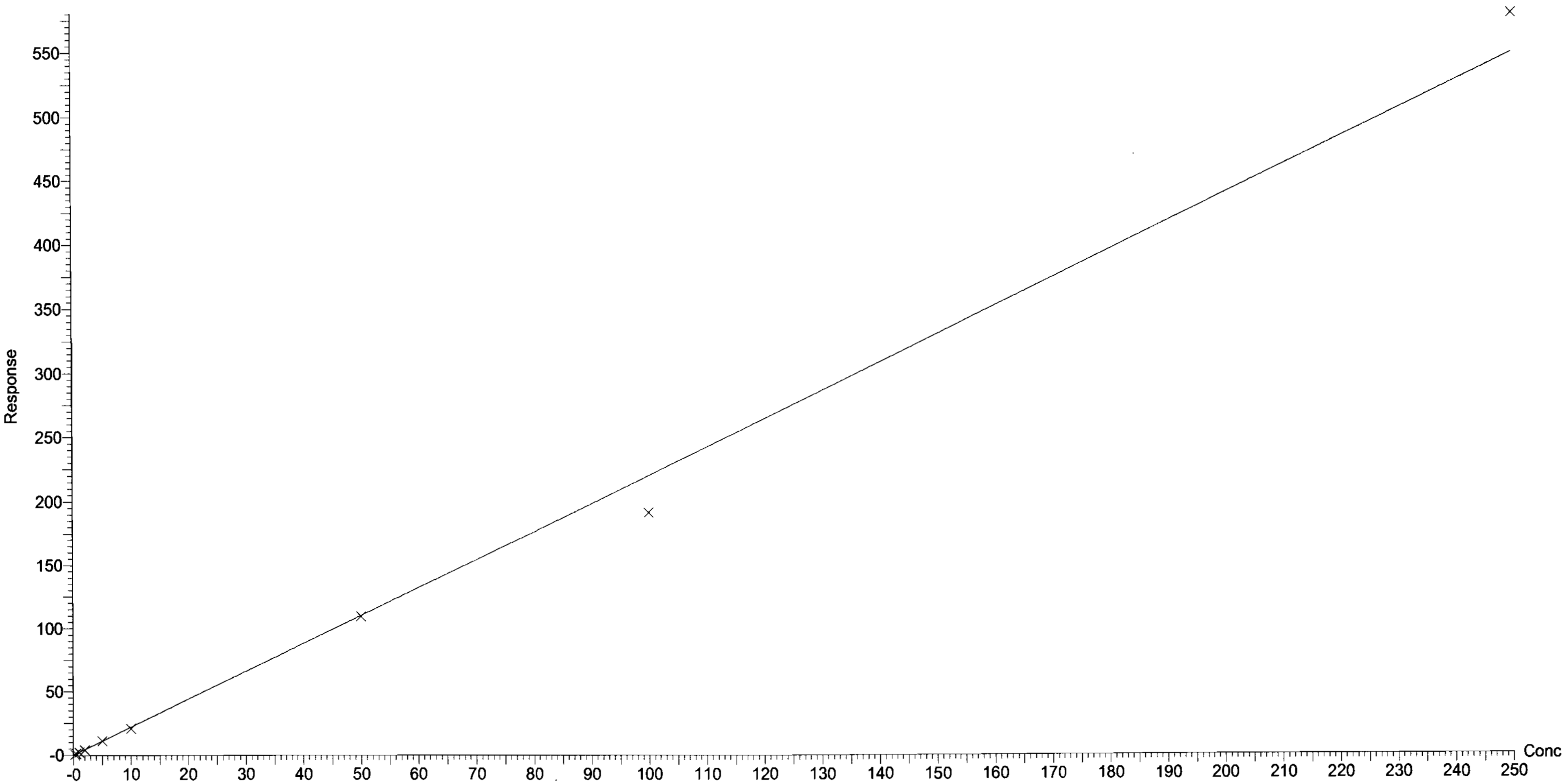
Compound name: PFHpA
Correlation coefficient: r = 0.999543, r^2 = 0.999086
Calibration curve: 1.44003 * x + 0.0347273
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:20:32 Pacific Standard Time

Compound name: L-PFHxS
Correlation coefficient: r = 0.996902, r^2 = 0.993813
Calibration curve: 2.19916 * x + -0.07745
Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

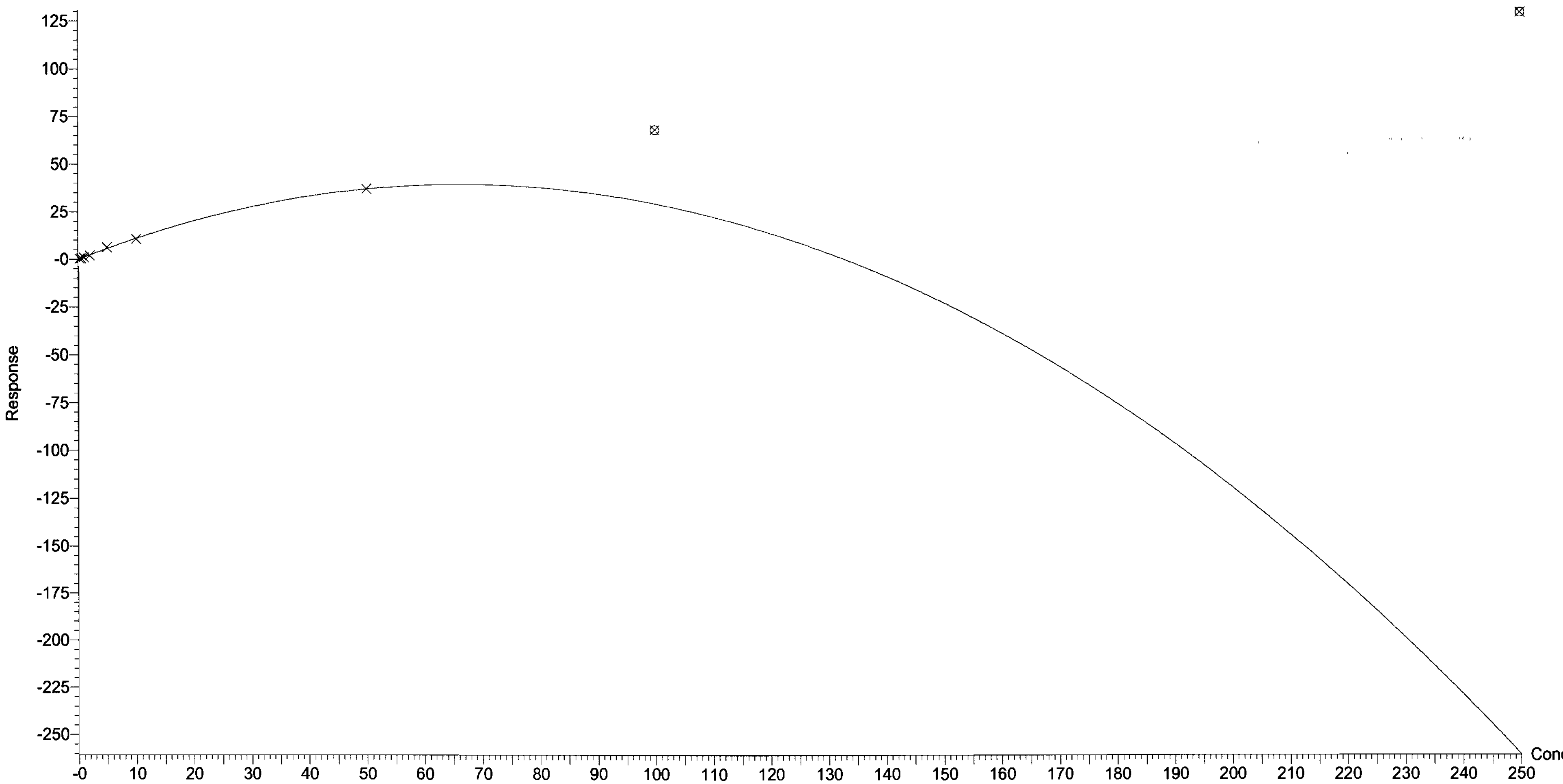


Vista Analytical Laboratory Q1

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:20:32 Pacific Standard Time

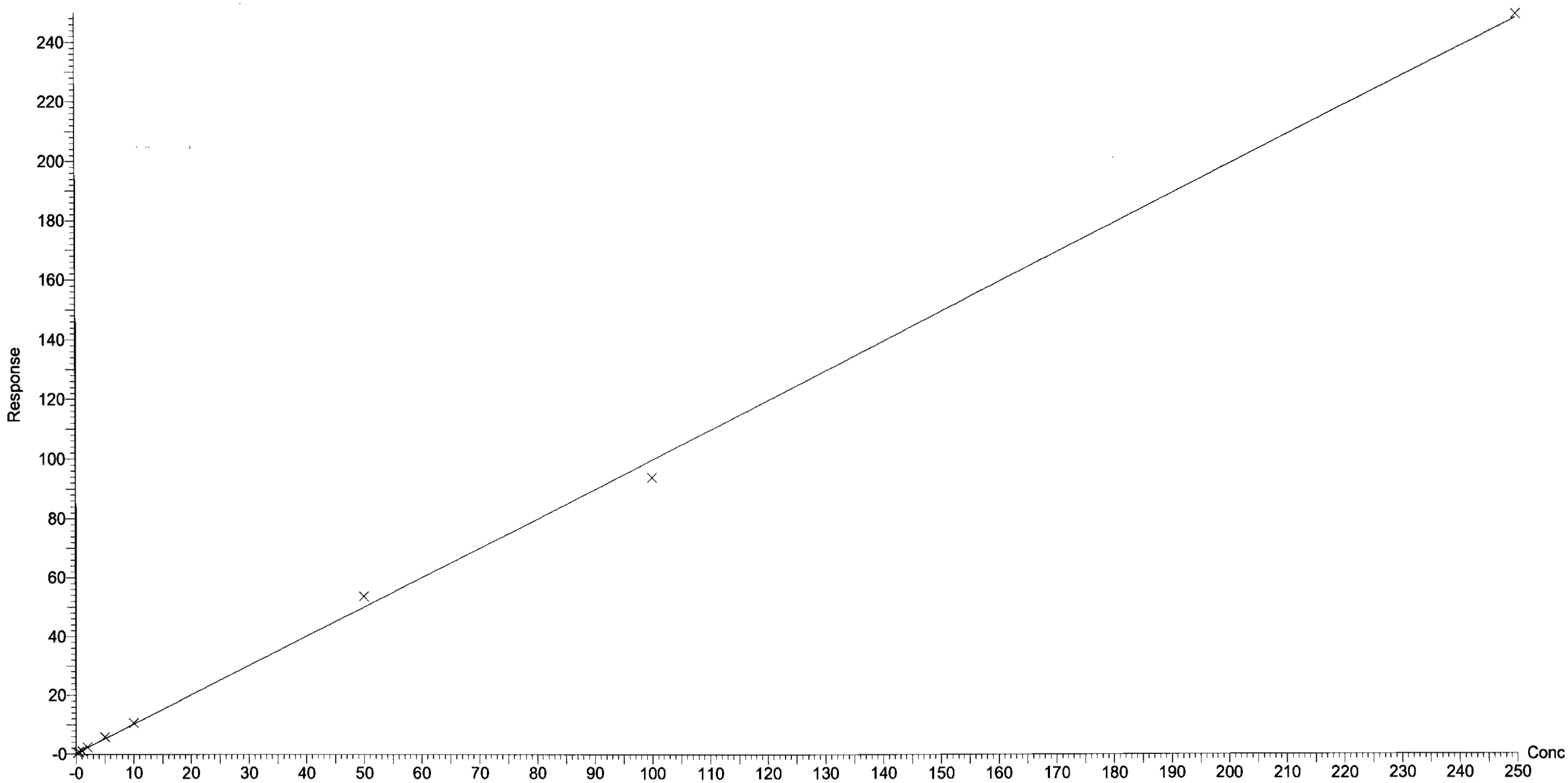
Compound name: 6:2 FTS
Coefficient of Determination: R^2 = 0.995689
Calibration curve: -0.00892951 * x^2 + 1.1903 * x + -0.0510228
Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:20:32 Pacific Standard Time

Compound name: L-PFOA
Correlation coefficient: r = 0.999101, r^2 = 0.998203
Calibration curve: 0.993789 * x + 0.221123
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

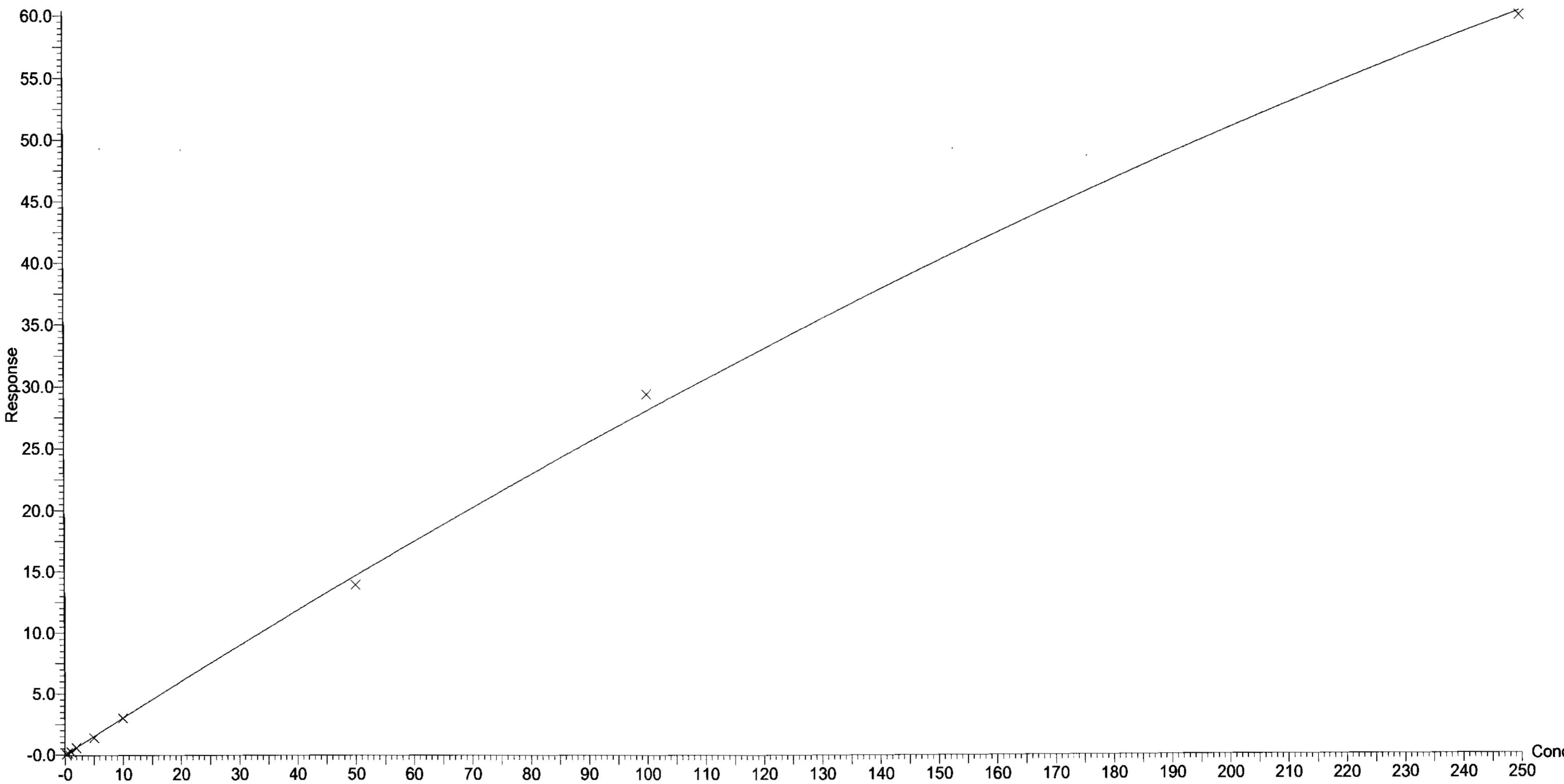


Vista Analytical Laboratory Q1

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:20:32 Pacific Standard Time

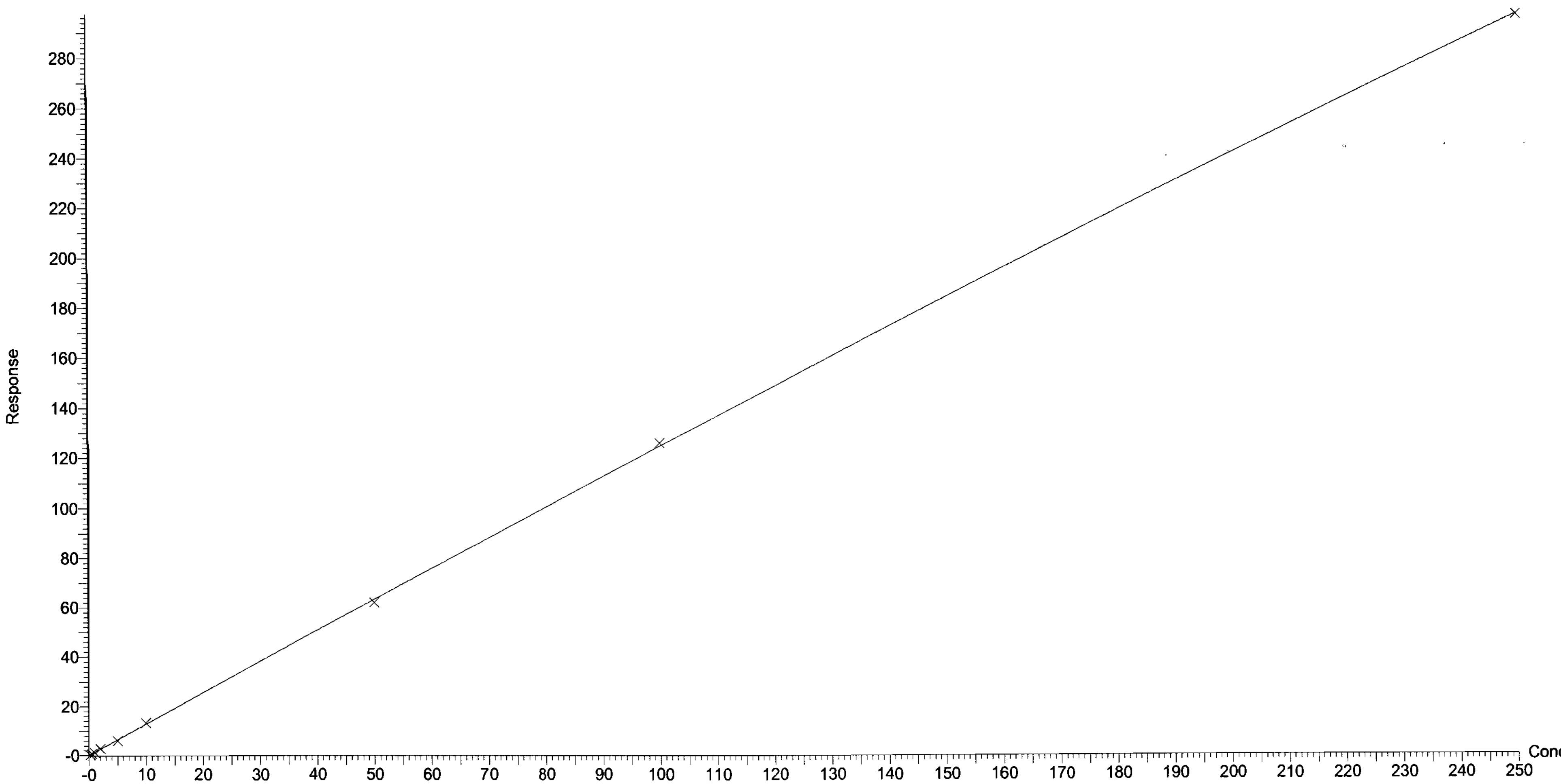
Compound name: PFHpS
Coefficient of Determination: R^2 = 0.998733
Calibration curve: -0.000260187 * x^2 + 0.306607 * x + -0.0285732
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:20:32 Pacific Standard Time

Compound name: PFNA
Coefficient of Determination: R^2 = 0.999742
Calibration curve: -0.000369406 * x^2 + 1.28272 * x + 0.0412203
Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

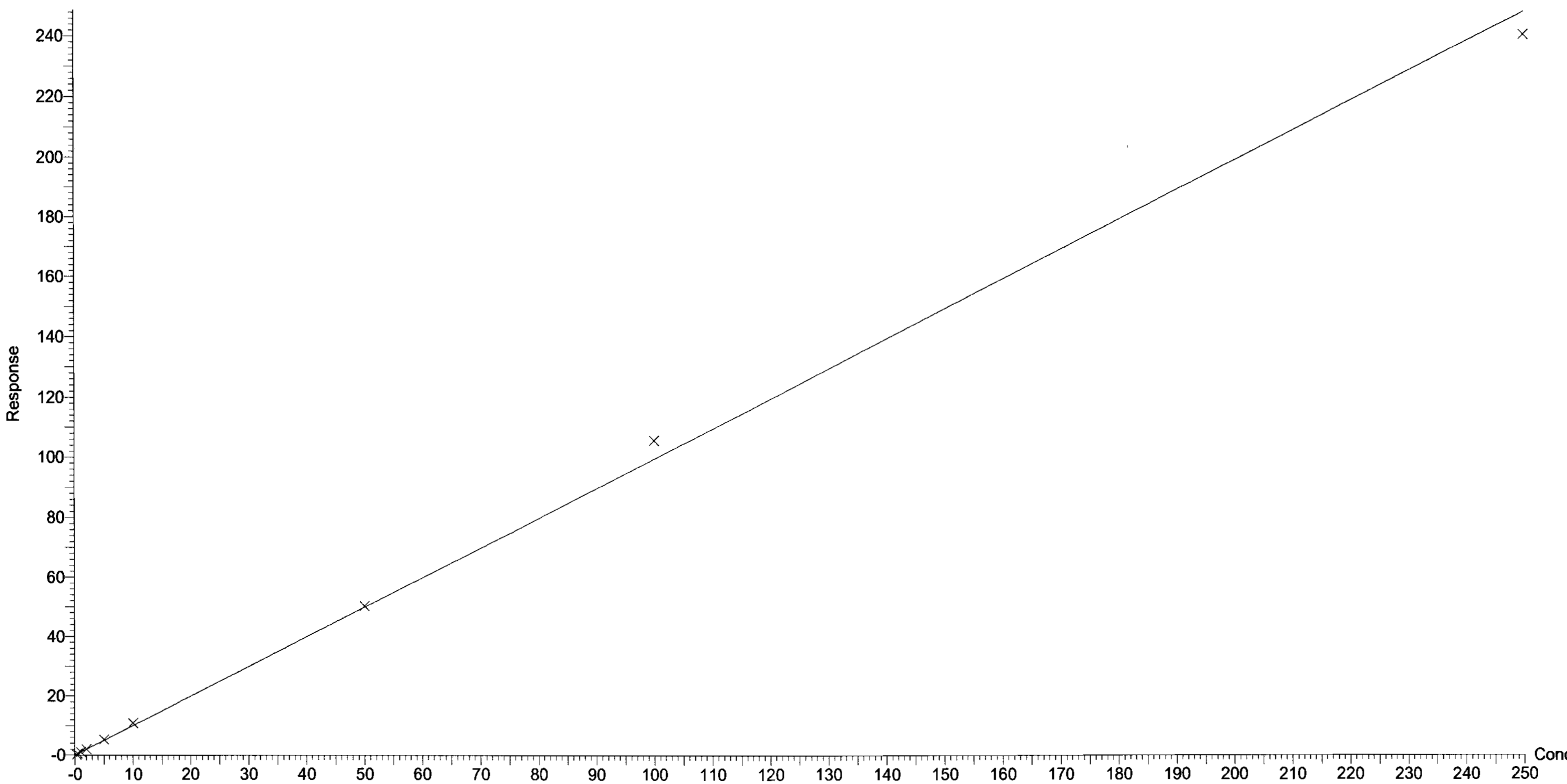


Vista Analytical Laboratory Q1

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:20:32 Pacific Standard Time

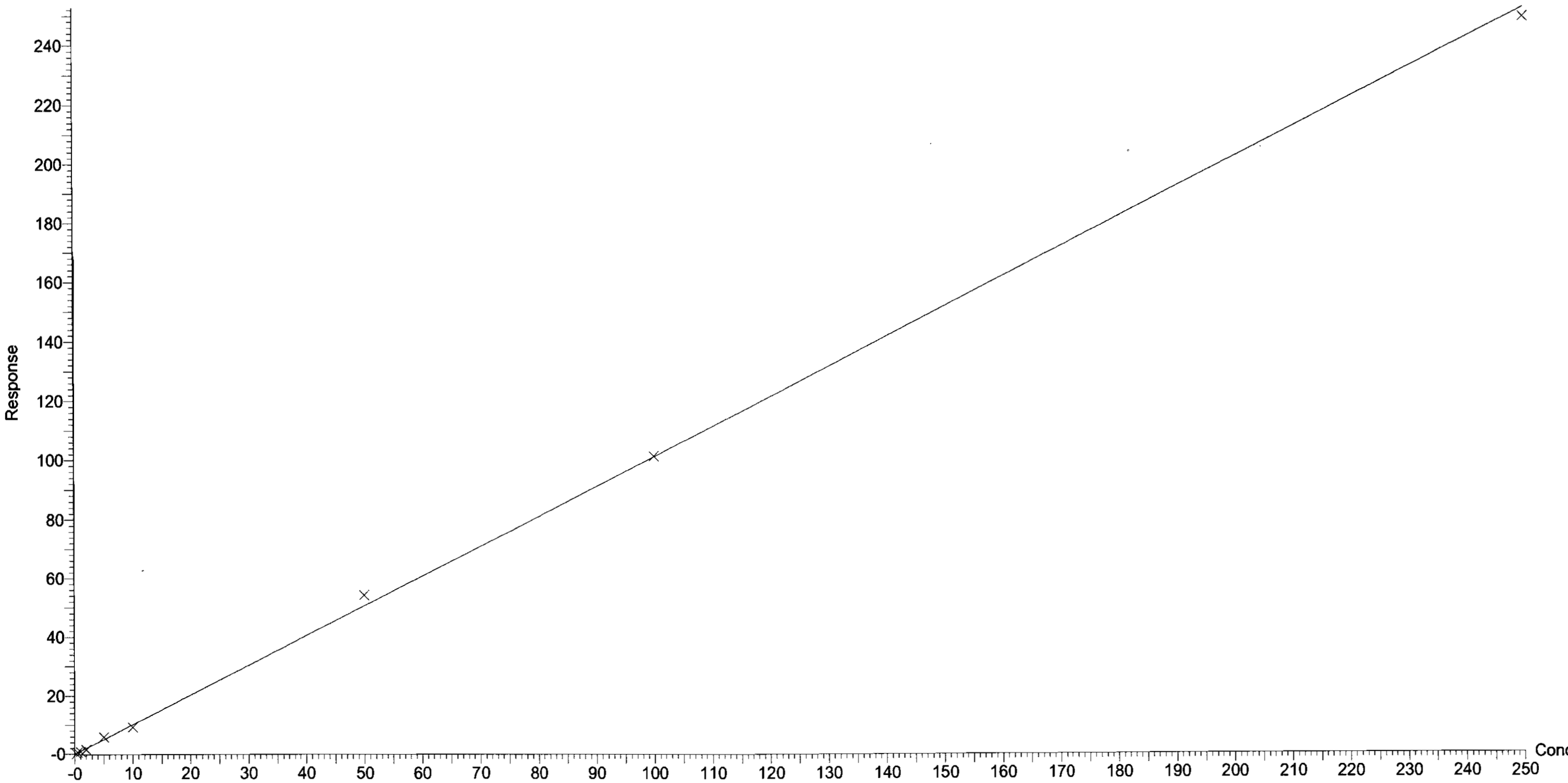
Compound name: PFOSA
Correlation coefficient: r = 0.999106, r^2 = 0.998213
Calibration curve: 0.994678 * x + -0.00199768
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:20:32 Pacific Standard Time

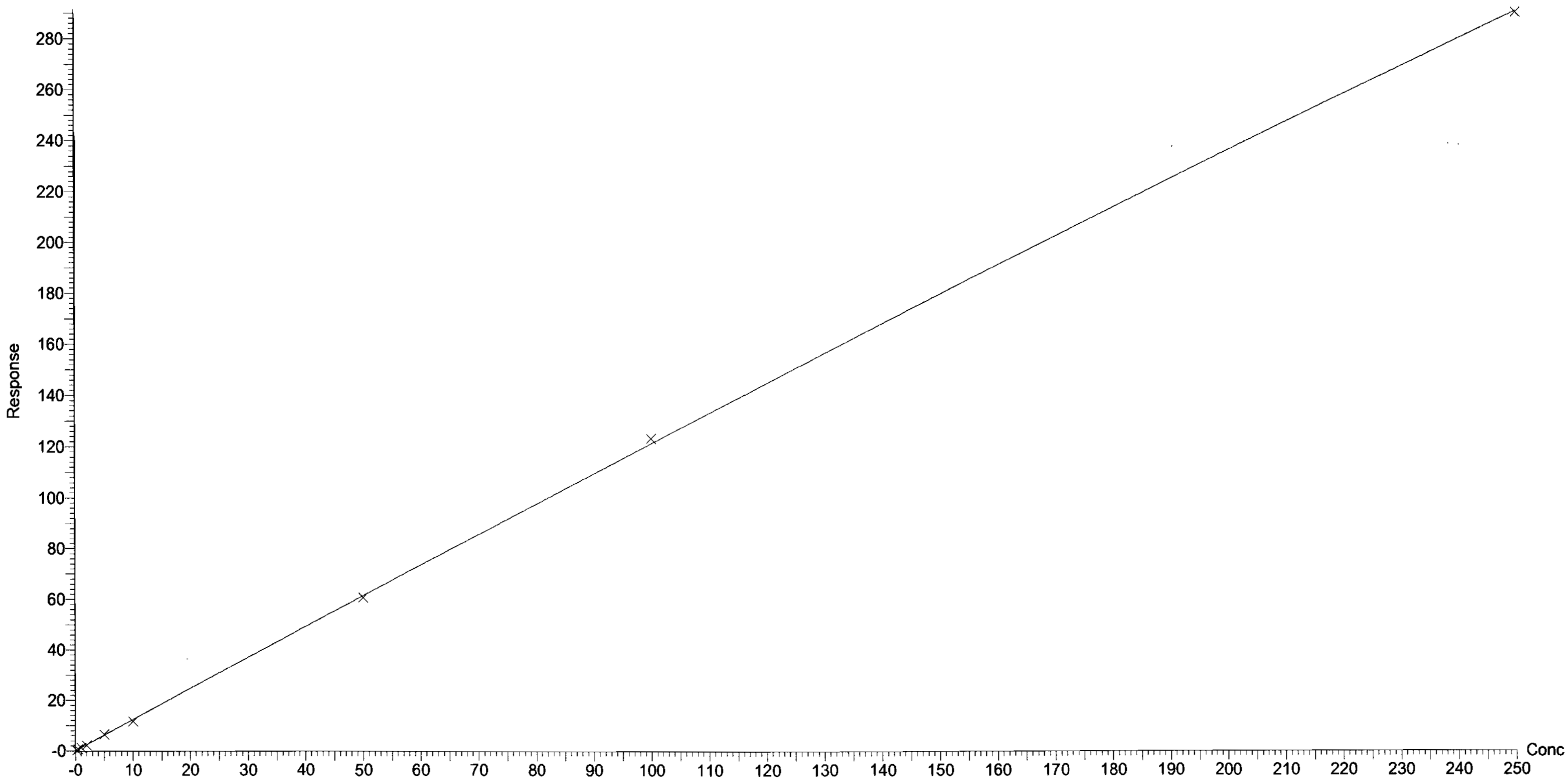
Compound name: L-PFOS
Correlation coefficient: r = 0.999139, r^2 = 0.998279
Calibration curve: 1.01107 * x + -0.0499658
Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:20:32 Pacific Standard Time

Compound name: PFDA
Coefficient of Determination: R^2 = 0.999735
Calibration curve: -0.000318025 * x^2 + 1.2448 * x + -0.0459846
Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

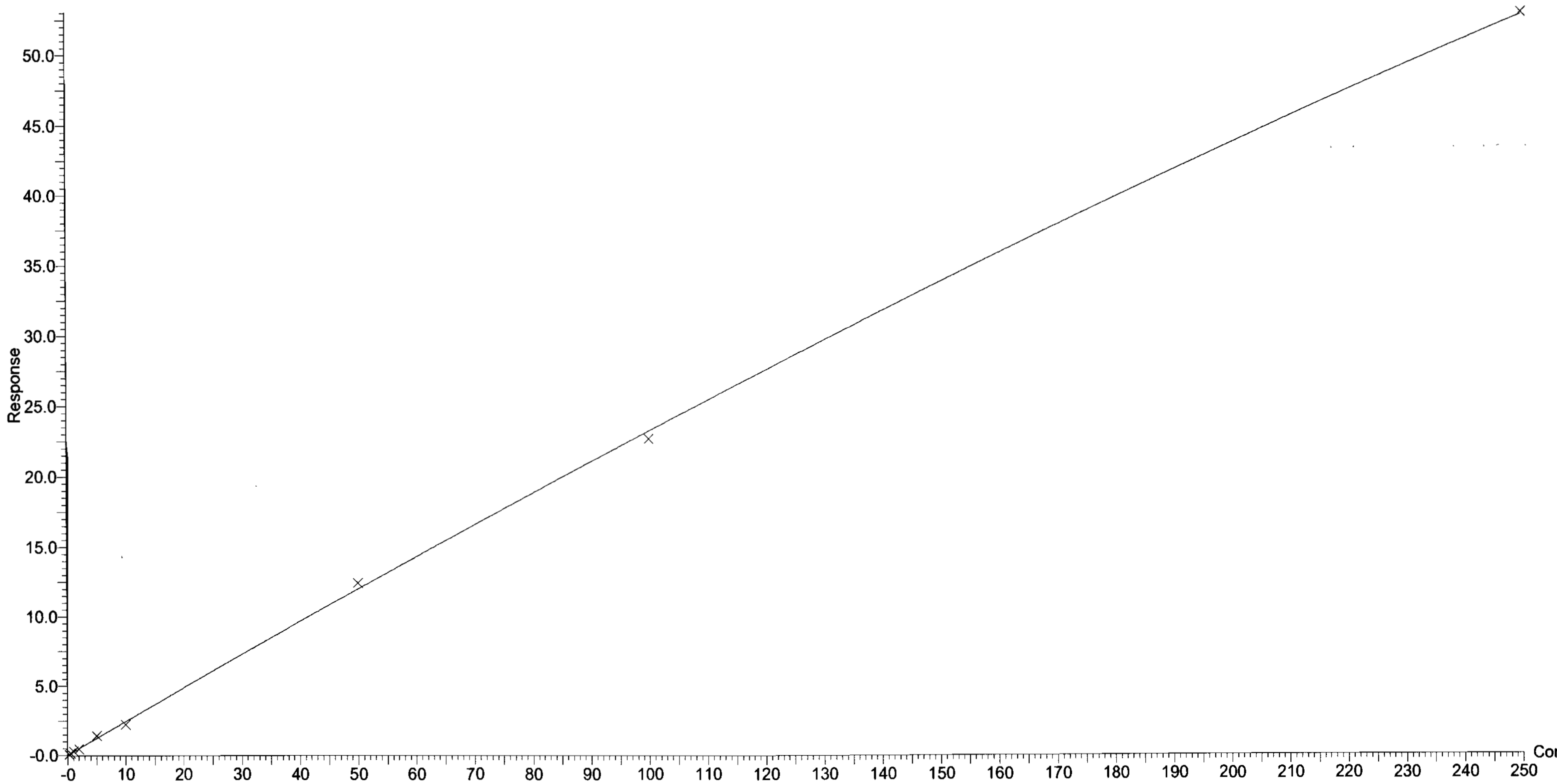


Vista Analytical Laboratory Q1

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:20:32 Pacific Standard Time

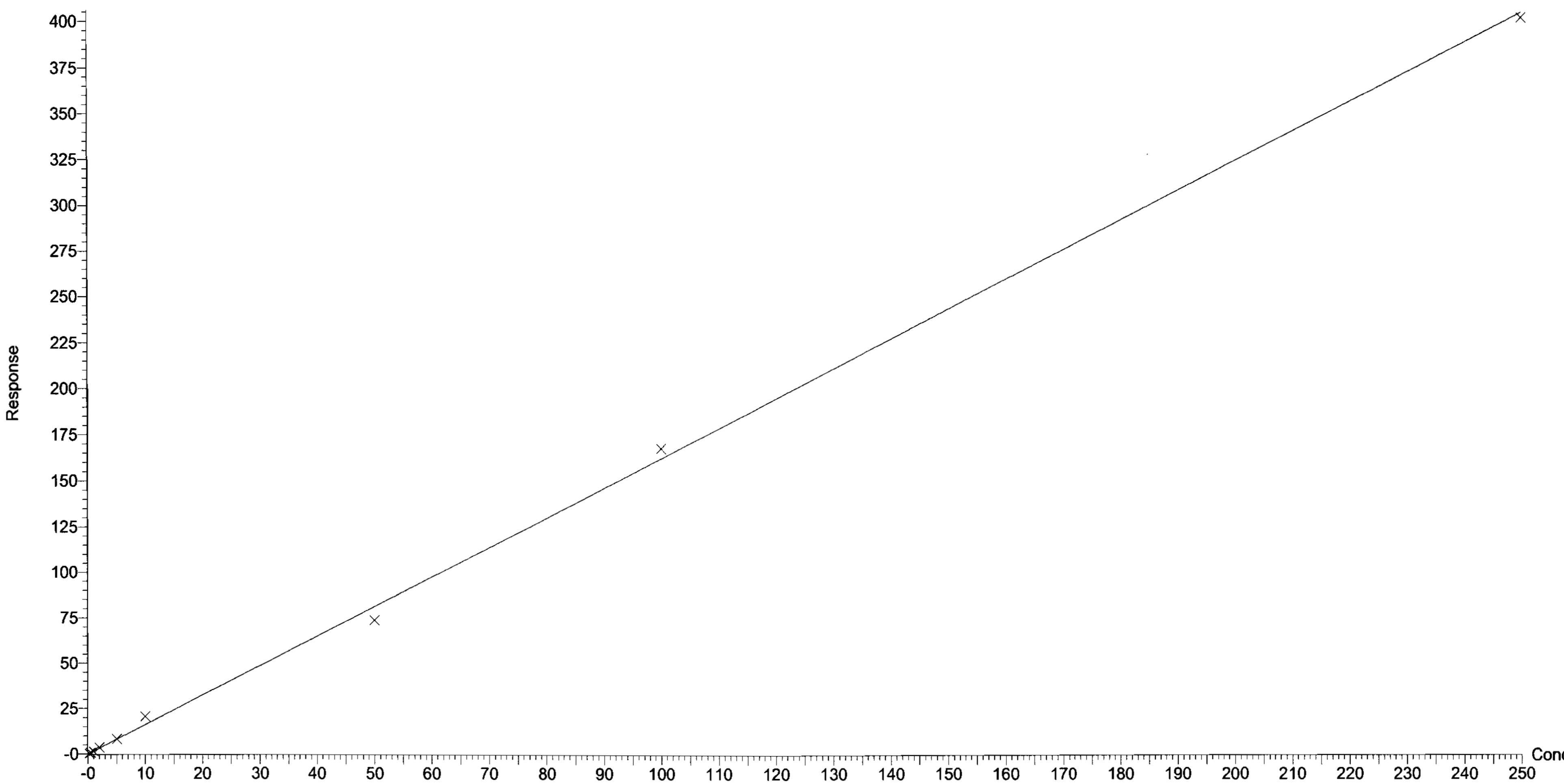
Compound name: 8:2 FTS
Coefficient of Determination: R^2 = 0.998880
Calibration curve: -0.000137534 * x^2 + 0.246001 * x + 0.0115431
Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:20:32 Pacific Standard Time

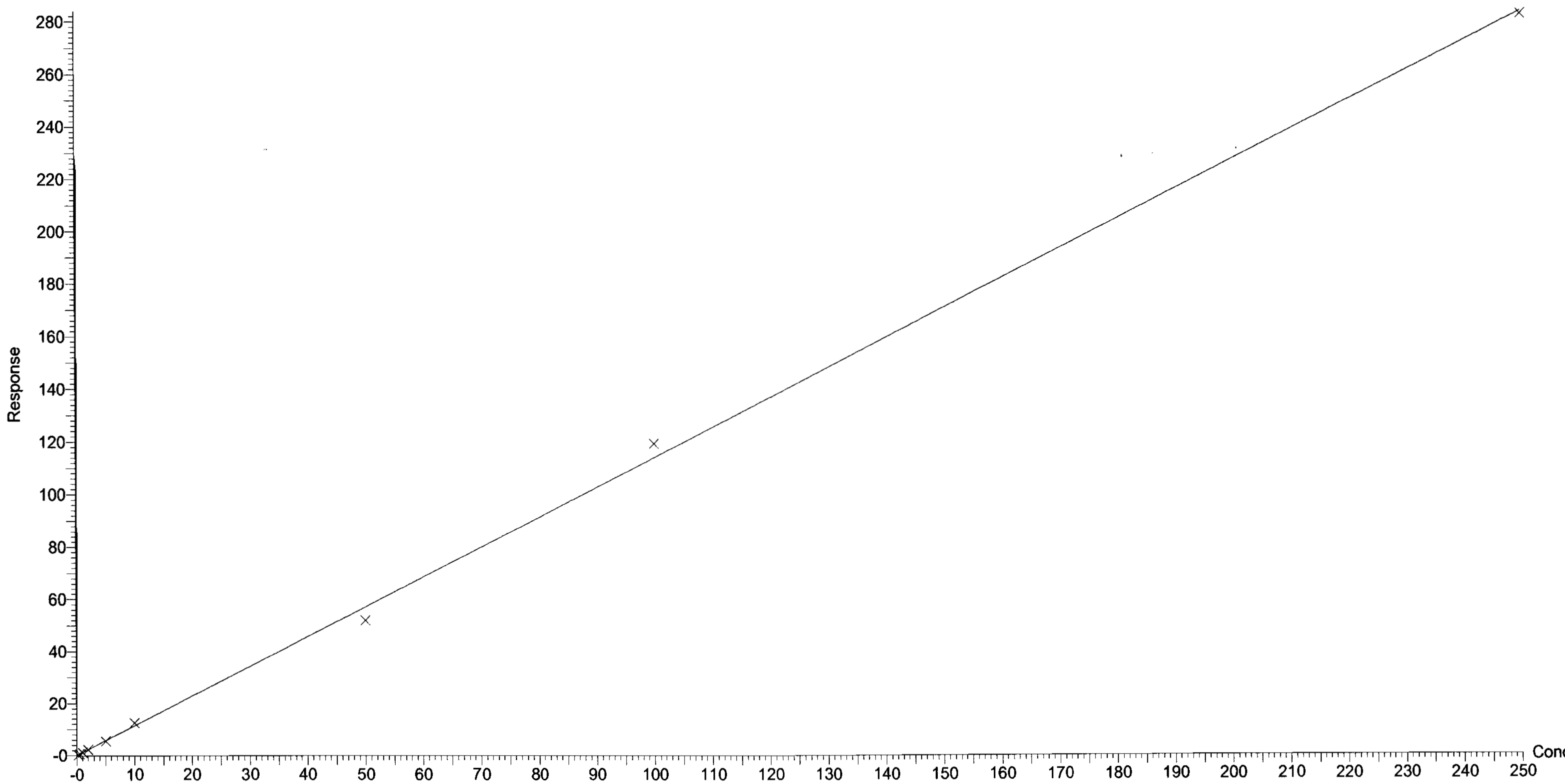
Compound name: N-MeFOSAA
Correlation coefficient: r = 0.998317, r^2 = 0.996637
Calibration curve: 1.62324 * x + 0.0453121
Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:20:32 Pacific Standard Time

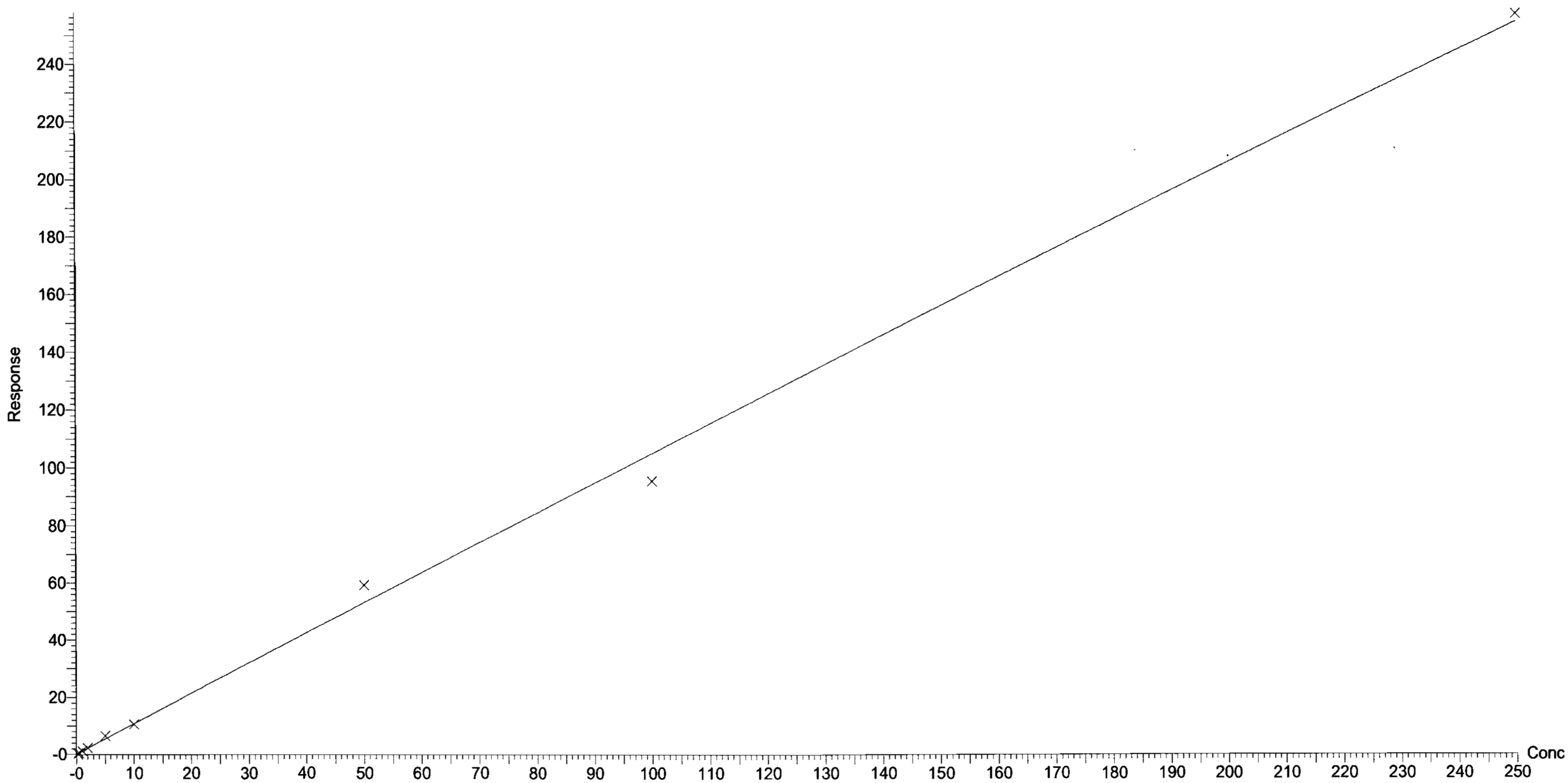
Compound name: N-EtFOSAA
Coefficient of Determination: R^2 = 0.998249
Calibration curve: -2.37671e-005 * x^2 + 1.14119 * x + -0.0129914
Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:20:32 Pacific Standard Time

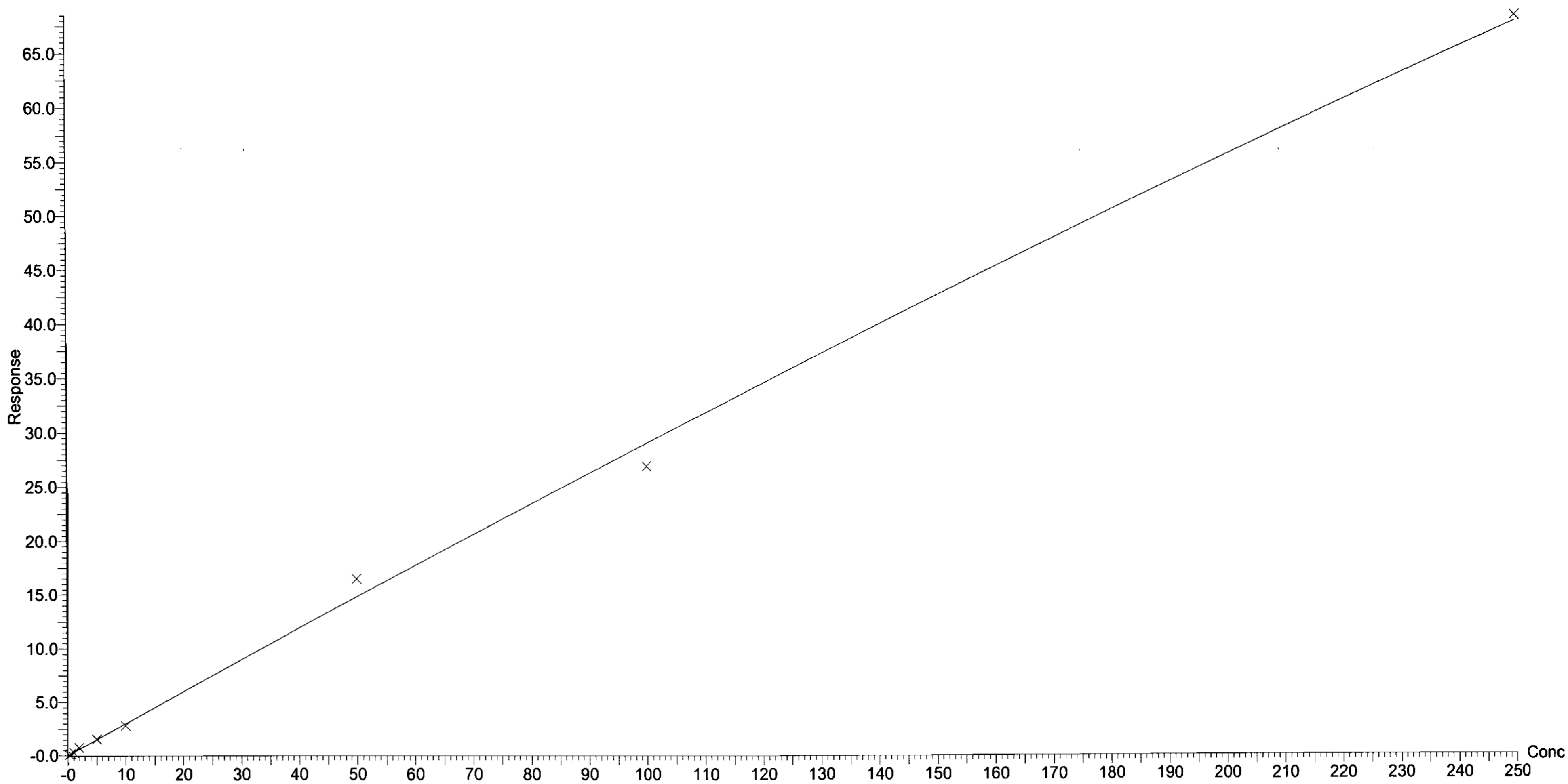
Compound name: PFUdA
Coefficient of Determination: R^2 = 0.995529
Calibration curve: -0.000195996 * x^2 + 1.06922 * x + 0.0487971
Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:20:32 Pacific Standard Time

Compound name: PFDS
Coefficient of Determination: R^2 = 0.996426
Calibration curve: -0.00011939 * x^2 + 0.301852 * x + 6.27308e-005
Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

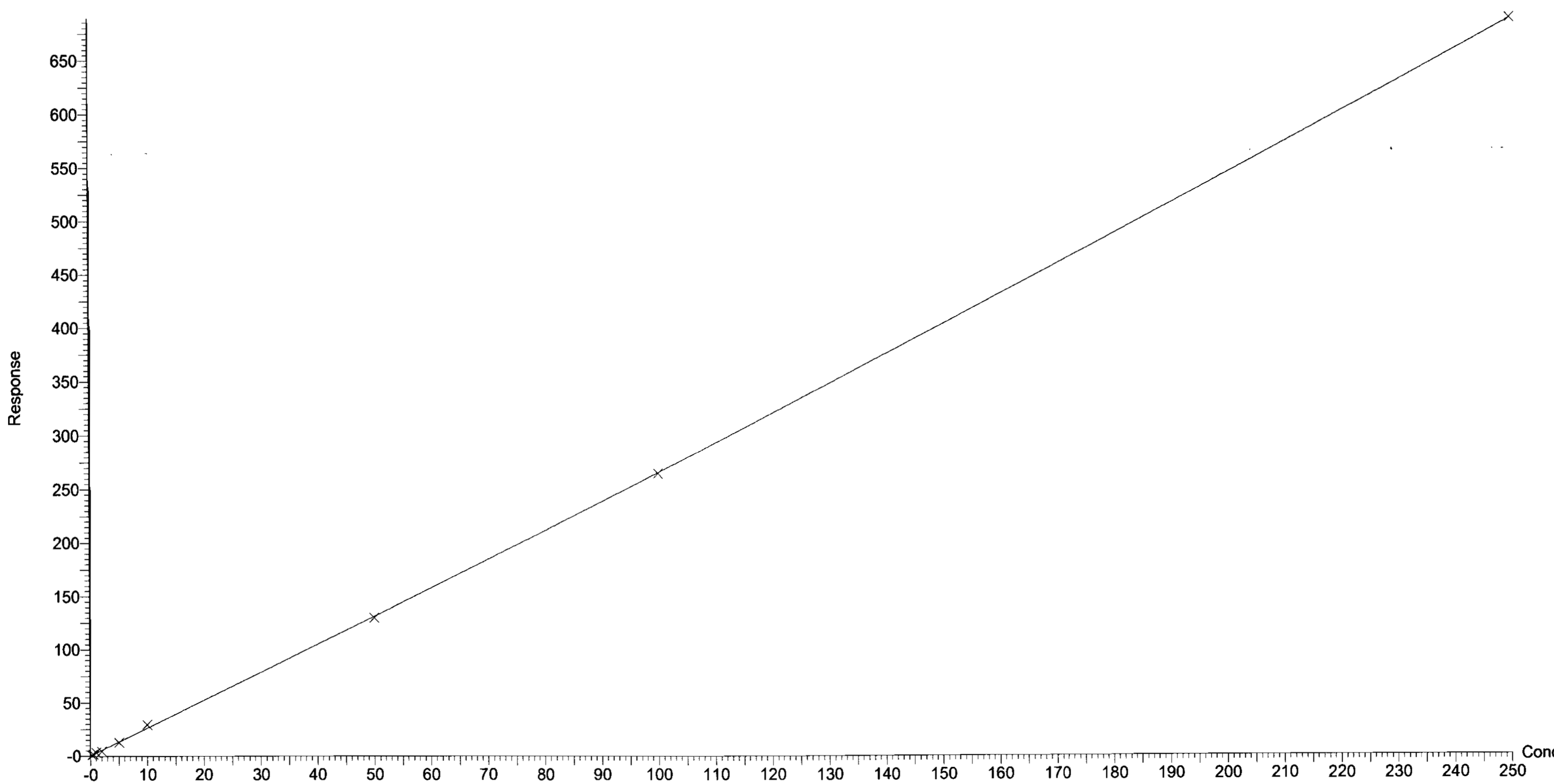


Vista Analytical Laboratory Q1

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:20:32 Pacific Standard Time

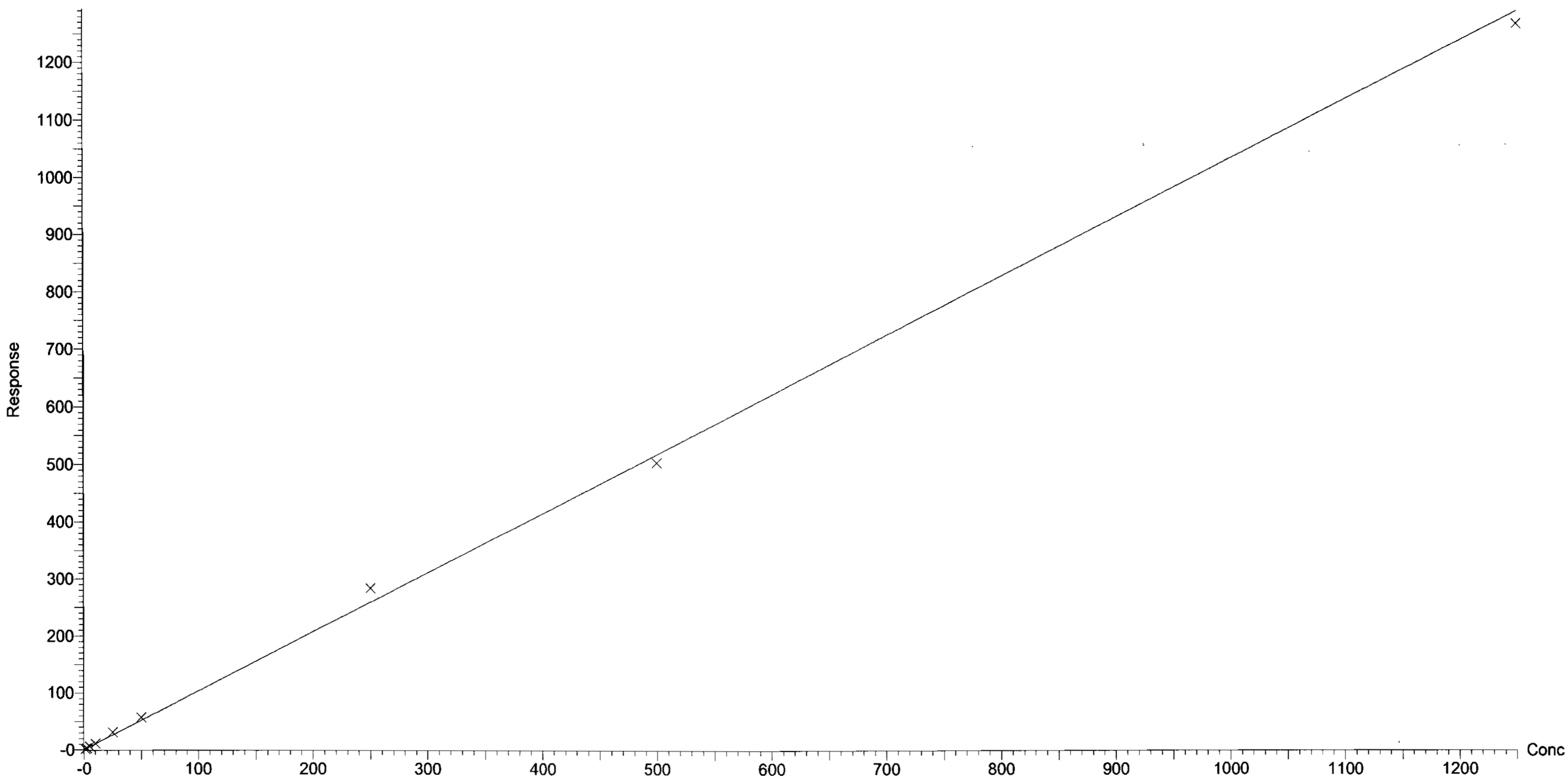
Compound name: PFDoA
Coefficient of Determination: R^2 = 0.999360
Calibration curve: 0.000677544 * x^2 + 2.58295 * x + 0.267645
Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:20:32 Pacific Standard Time

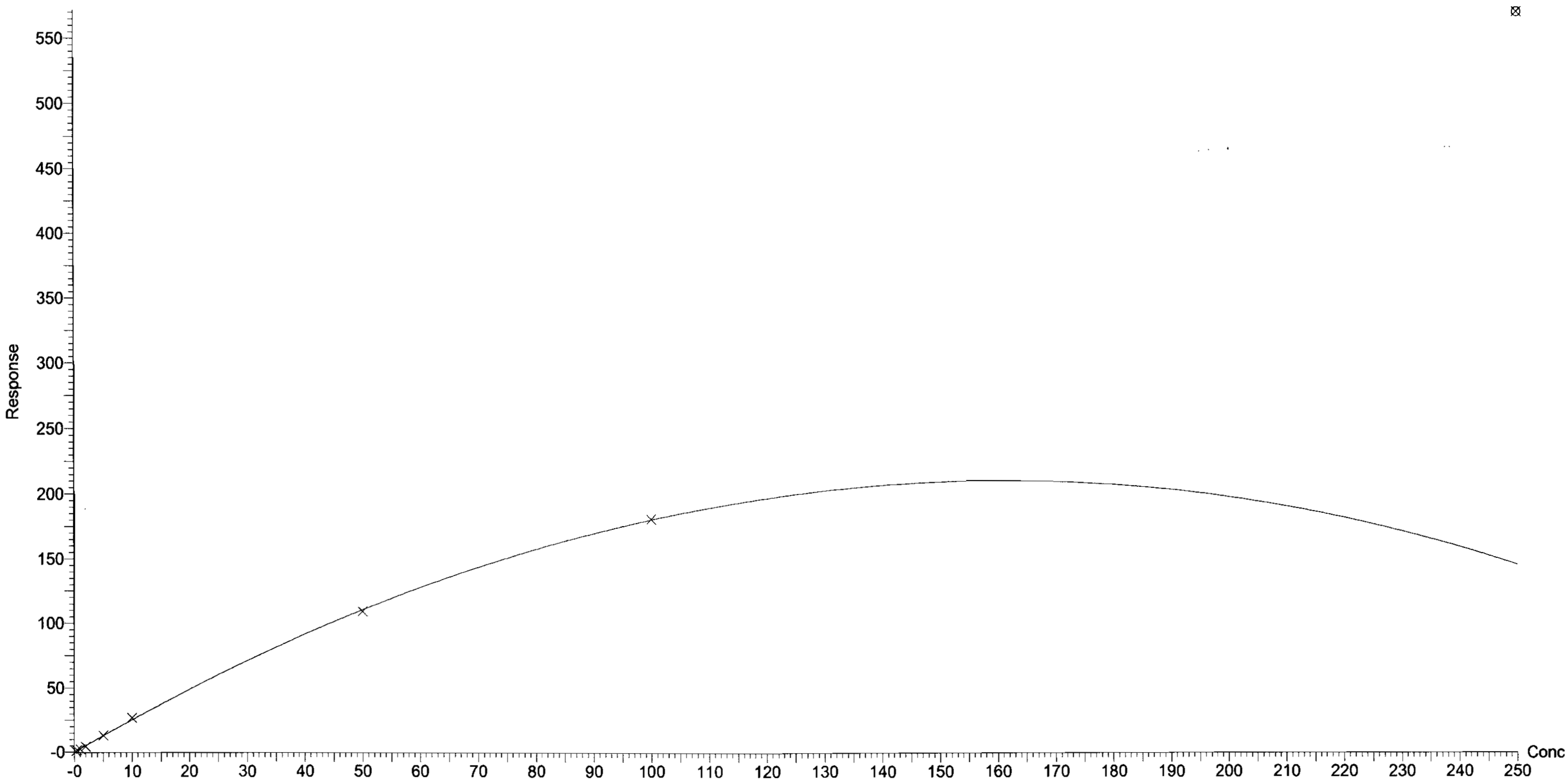
Compound name: N-MeFOSA
Correlation coefficient: r = 0.998885, r^2 = 0.997771
Calibration curve: 1.03399 * x + 0.499035
Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:20:32 Pacific Standard Time

Compound name: PFTrDA
Coefficient of Determination: R^2 = 0.998587
Calibration curve: -0.00815845 * x^2 + 2.62065 * x + -0.0542591
Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

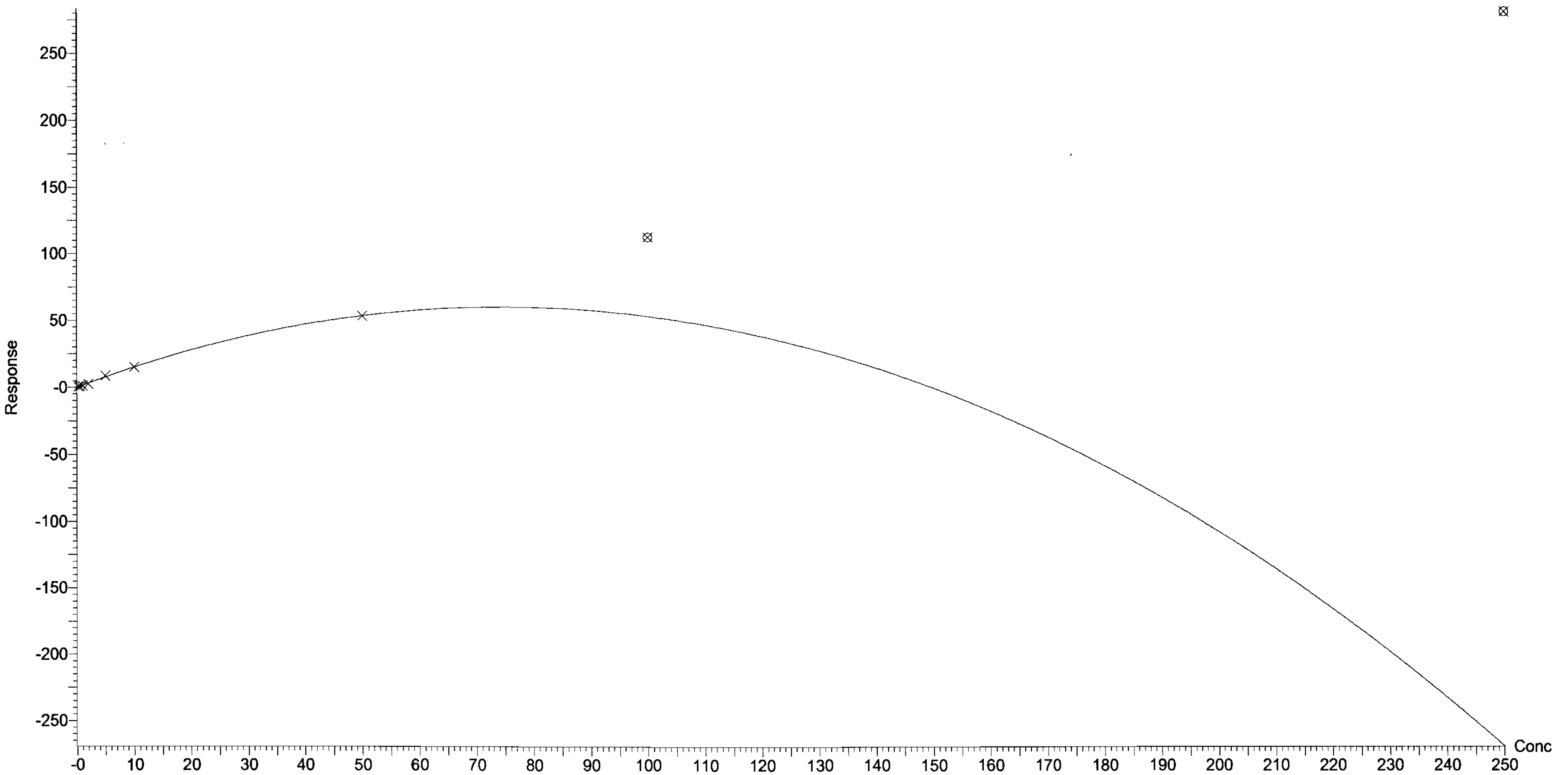


Vista Analytical Laboratory Q1

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:20:32 Pacific Standard Time

Compound name: PFTeDA
Coefficient of Determination: R^2 = 0.994657
Calibration curve: -0.010762 * x^2 + 1.61447 * x + -0.037928
Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

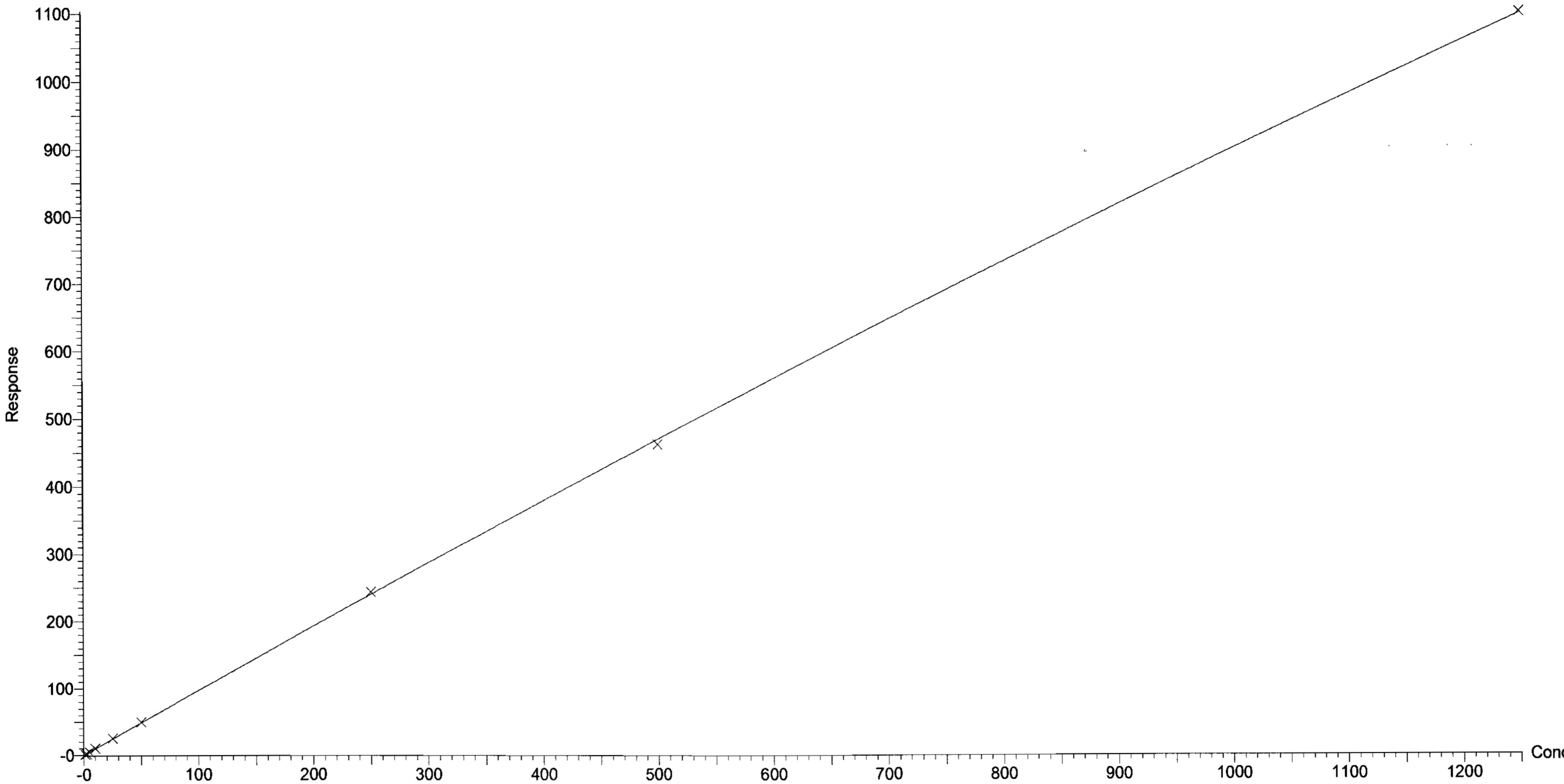


Vista Analytical Laboratory Q1

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:20:32 Pacific Standard Time

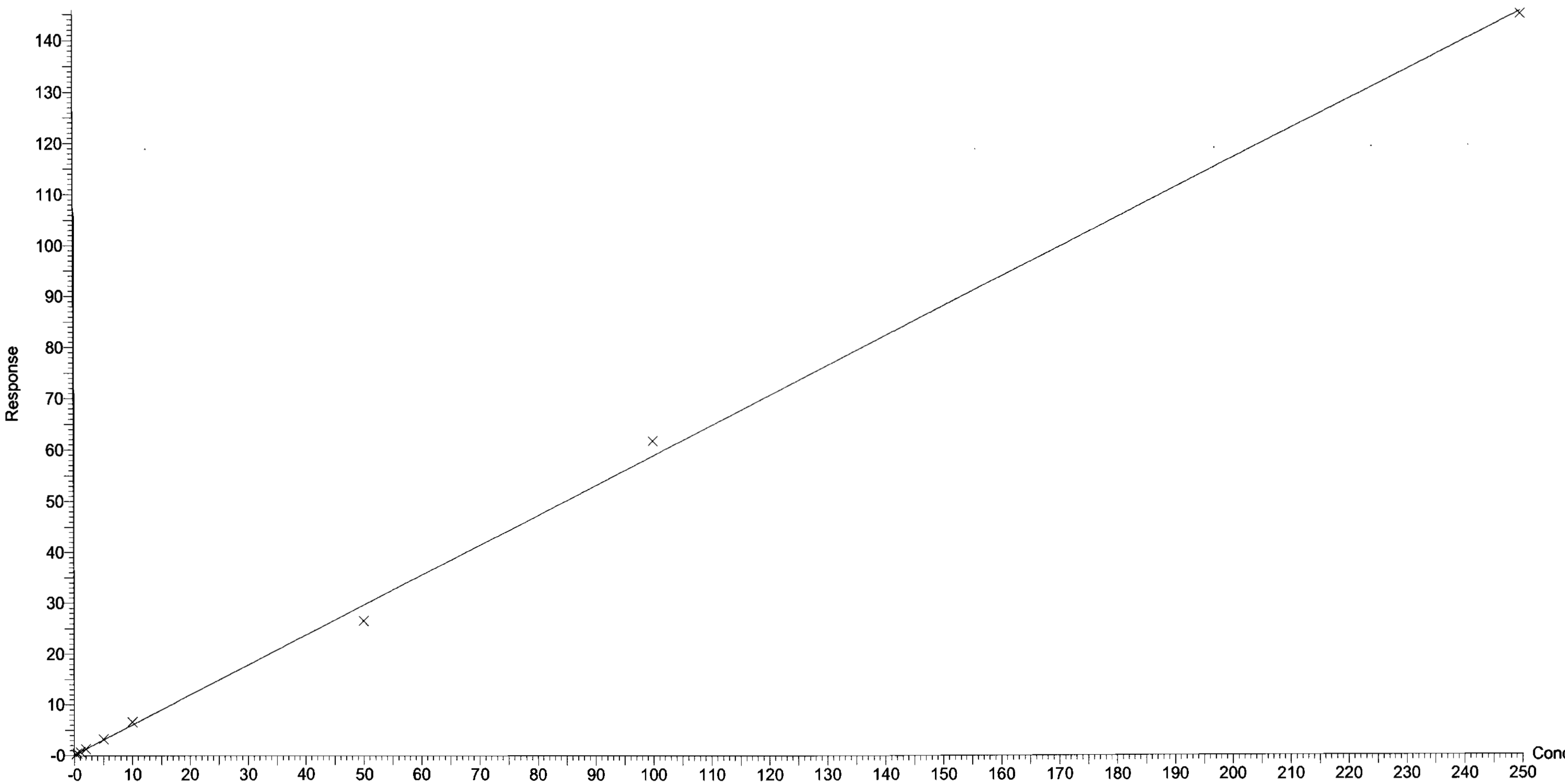
Compound name: N-EtFOSA
Coefficient of Determination: R^2 = 0.999837
Calibration curve: -7.94019e-005 * x^2 + 0.980033 * x + 0.0535472
Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:20:32 Pacific Standard Time

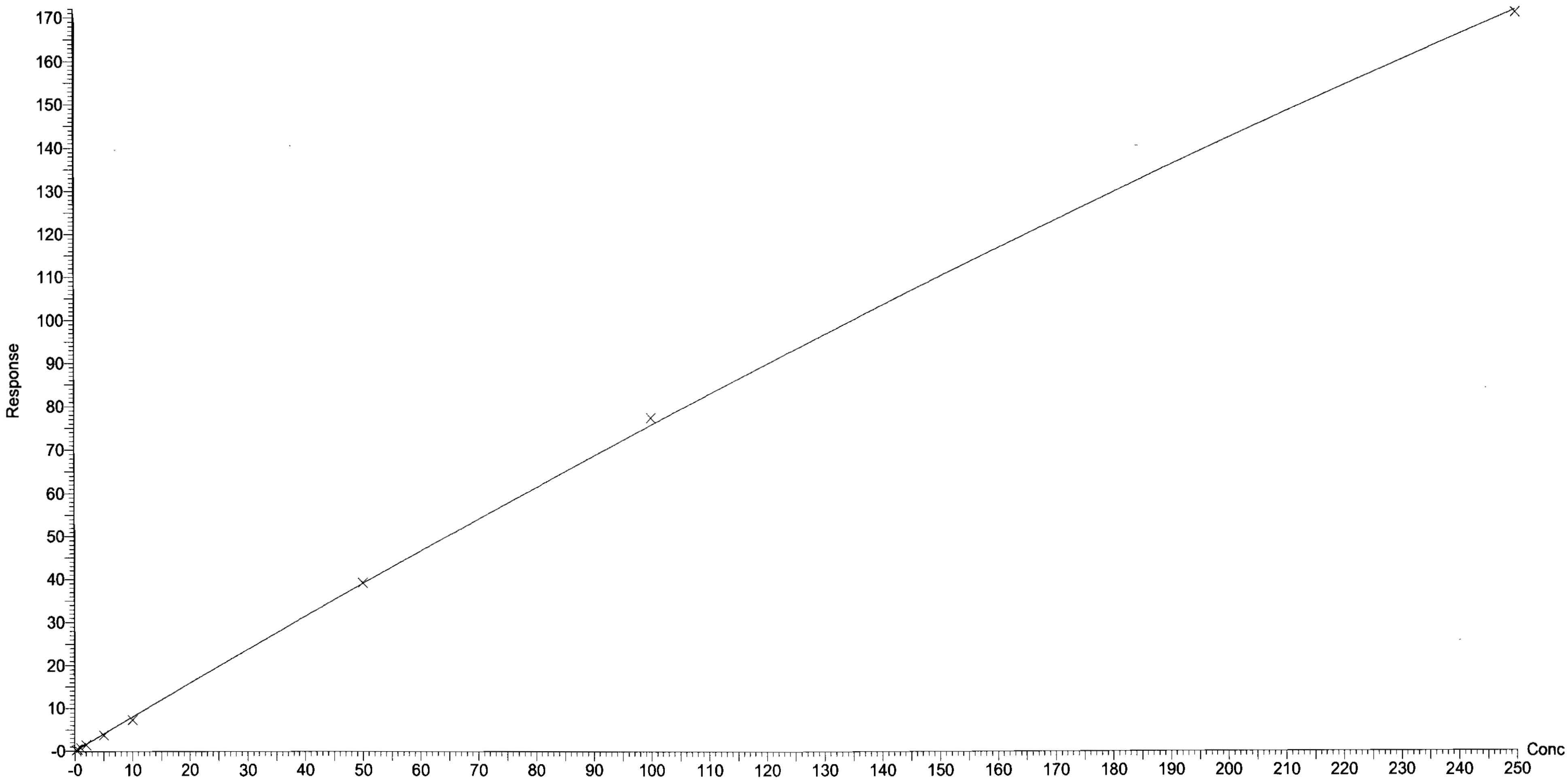
Compound name: PFHxDA
Coefficient of Determination: R^2 = 0.997677
Calibration curve: -2.77493e-005 * x^2 + 0.589818 * x + 0.107397
Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:20:32 Pacific Standard Time

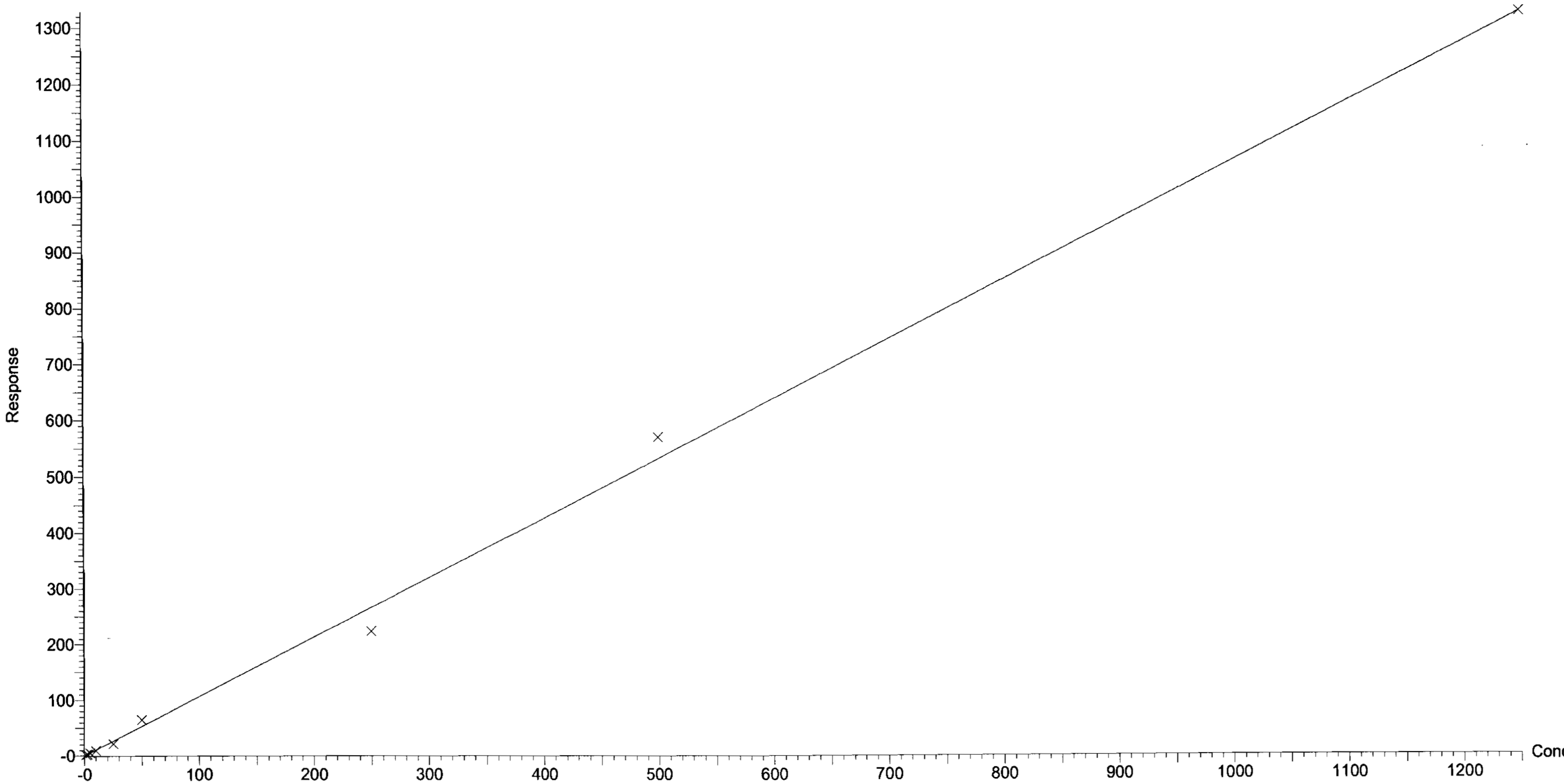
Compound name: PFODA
Coefficient of Determination: R^2 = 0.999418
Calibration curve: -0.000461547 * x^2 + 0.803572 * x + -0.0119235
Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:20:32 Pacific Standard Time

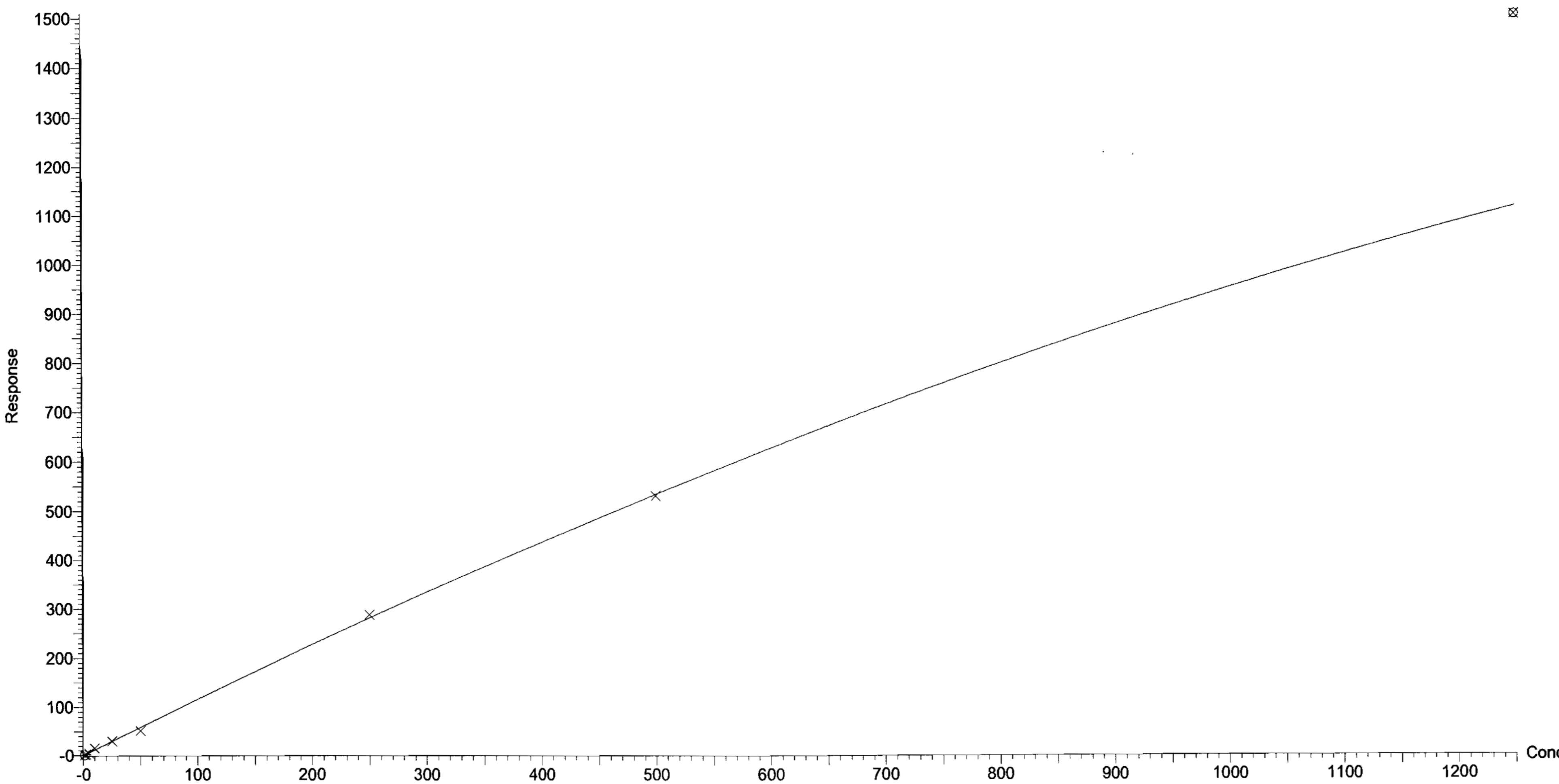
Compound name: N-MeFOSE
Correlation coefficient: r = 0.996971, r^2 = 0.993951
Calibration curve: 1.06268 * x + 0.00378413
Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 12:17:32 Pacific Standard Time
Printed: Friday, December 01, 2017 12:20:32 Pacific Standard Time

Compound name: N-EtFOSE
Coefficient of Determination: R^2 = 0.997345
Calibration curve: -0.000230432 * x^2 + 1.18242 * x + -0.00132205
Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

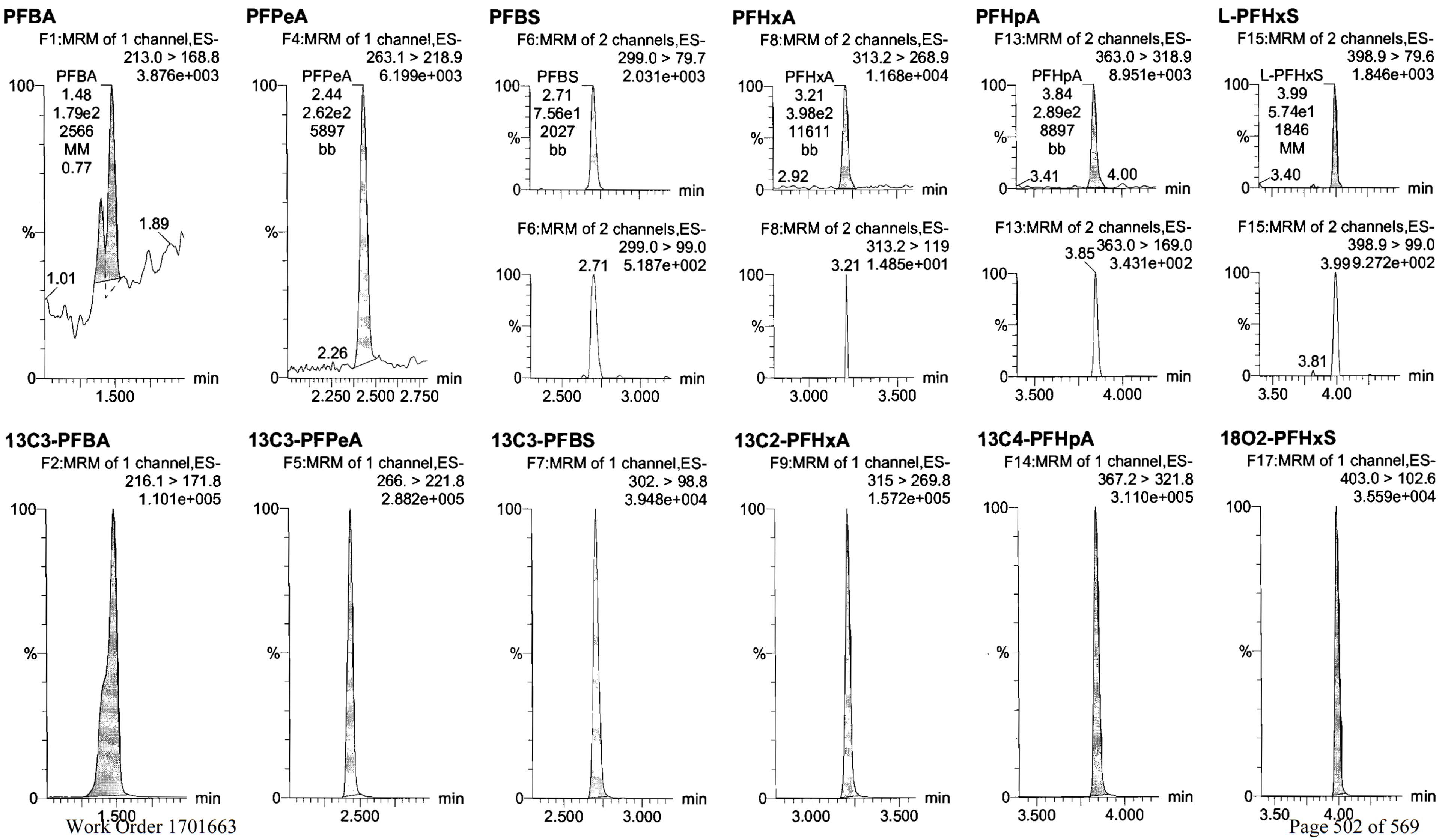


Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 11:25:53 Pacific Standard Time
Printed: Friday, December 01, 2017 11:35:16 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_112917.mdb 29 Nov 2017 15:16:56
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-30-17_FULL.cdb 01 Dec 2017 11:25:53

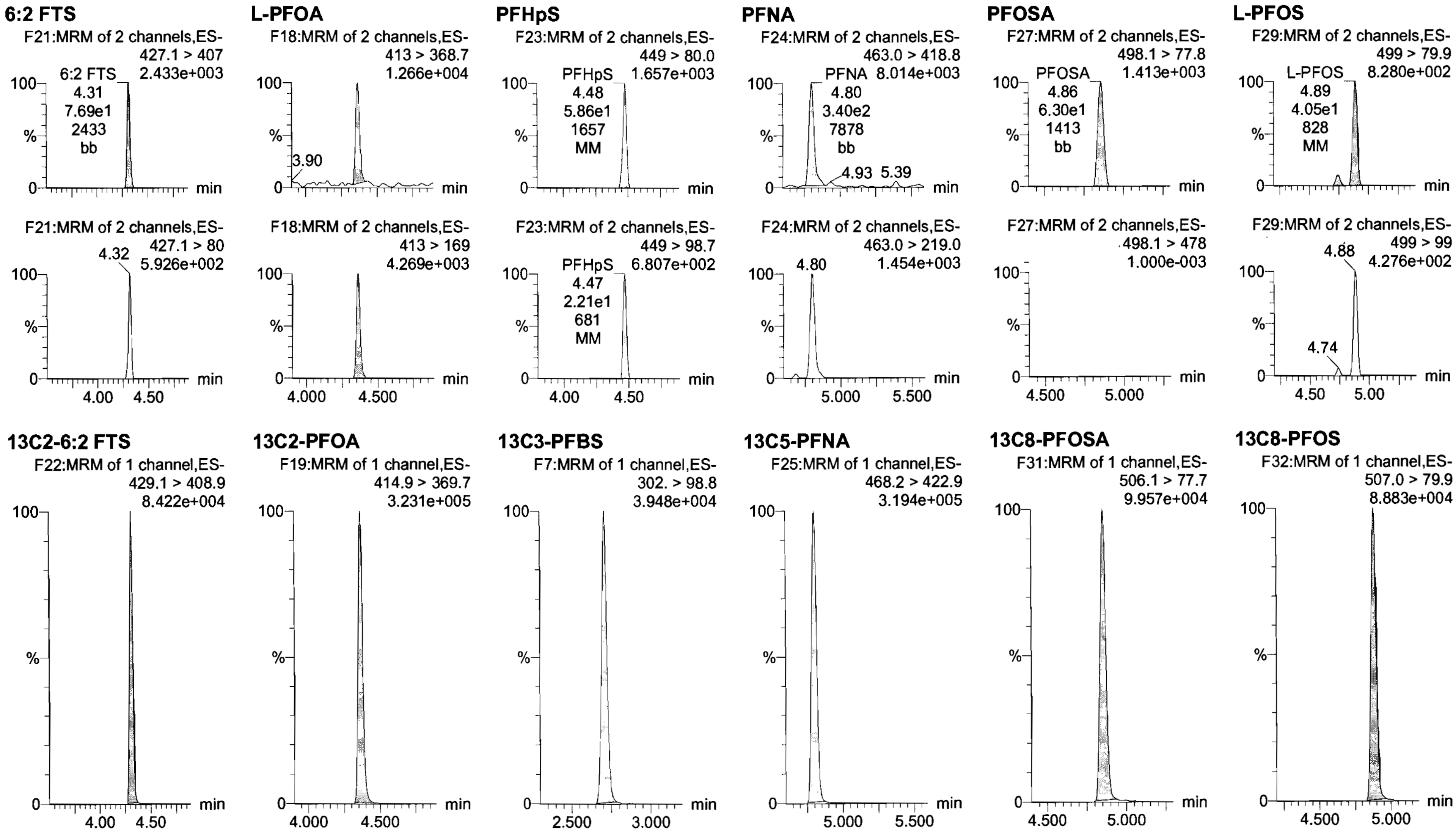
Name: 171130M2_1, Date: 01-Dec-2017, Time: 00:37:22, ID: ST171130M2-1 PFC CS-2 17K2806, Description: PFC CS-2 17K2806



Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 11:25:53 Pacific Standard Time
Printed: Friday, December 01, 2017 11:35:16 Pacific Standard Time

Name: 171130M2_1, Date: 01-Dec-2017, Time: 00:37:22, ID: ST171130M2-1 PFC CS-2 17K2806, Description: PFC CS-2 17K2806

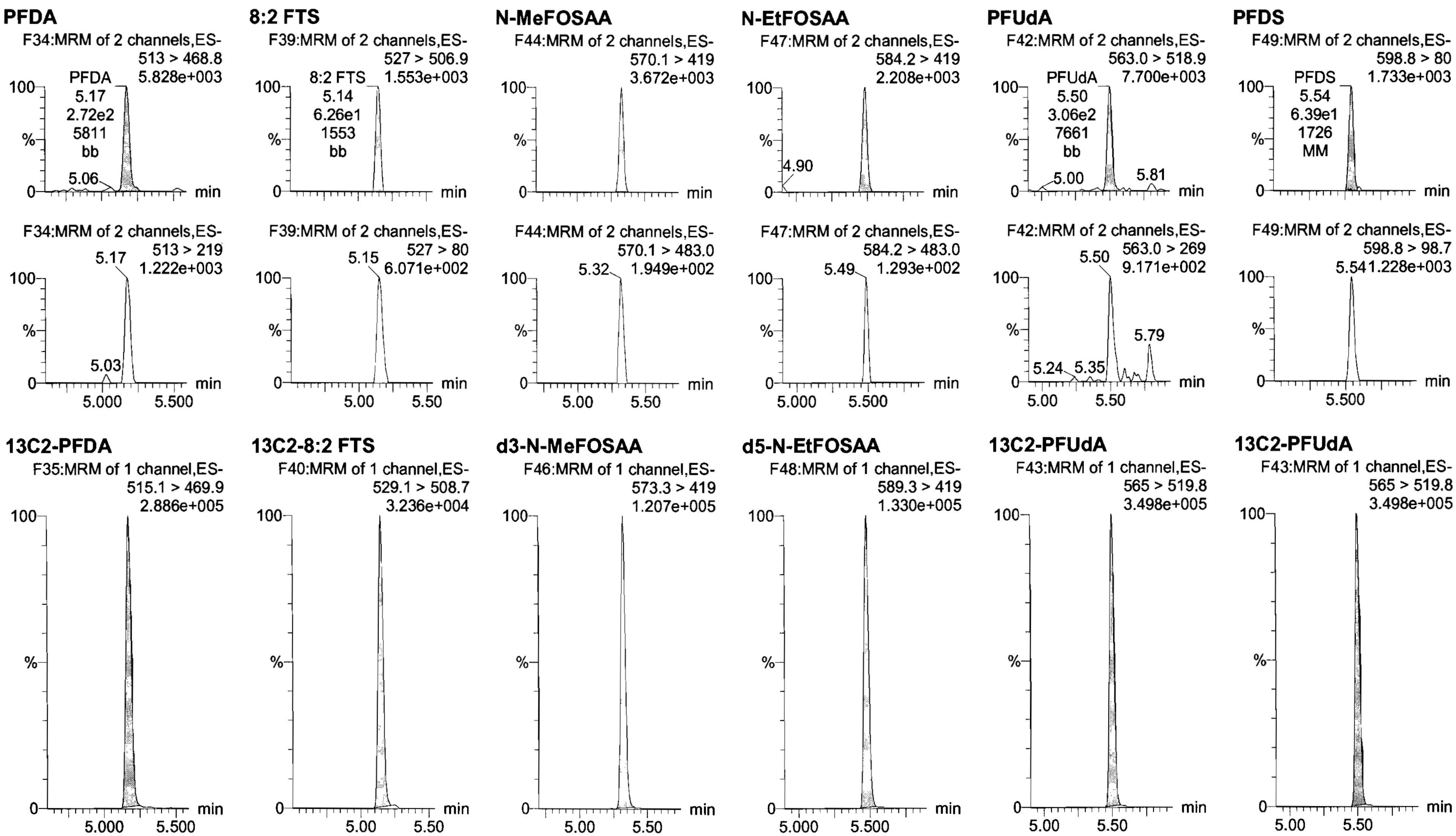


Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 11:25:53 Pacific Standard Time
Printed: Friday, December 01, 2017 11:35:16 Pacific Standard Time

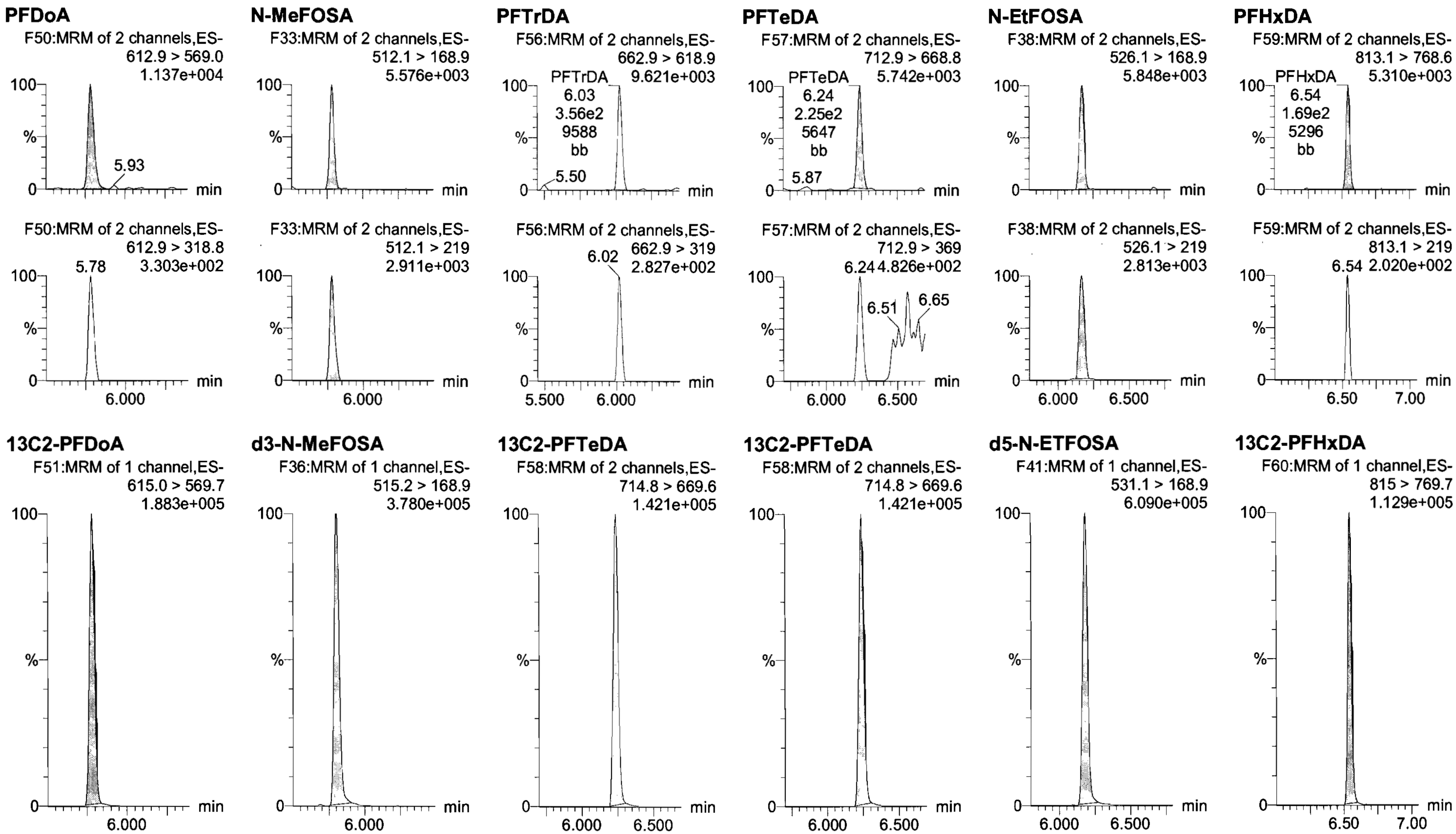
Name: 171130M2_1, Date: 01-Dec-2017, Time: 00:37:22, ID: ST171130M2-1 PFC CS-2 17K2806, Description: PFC CS-2 17K2806



Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 11:25:53 Pacific Standard Time
Printed: Friday, December 01, 2017 11:35:16 Pacific Standard Time

Name: 171130M2_1, Date: 01-Dec-2017, Time: 00:37:22, ID: ST171130M2-1 PFC CS-2 17K2806, Description: PFC CS-2 17K2806

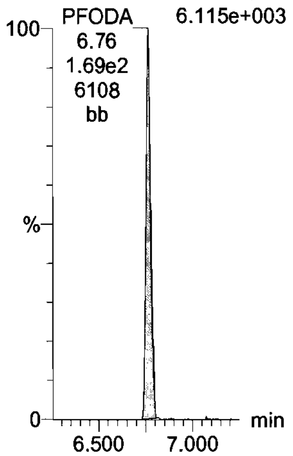


Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

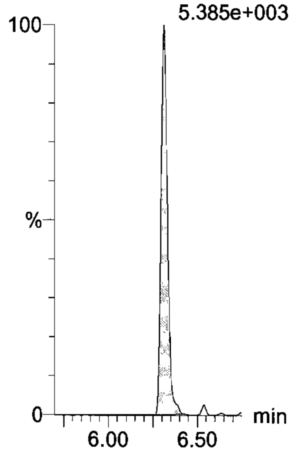
Last Altered: Friday, December 01, 2017 11:25:53 Pacific Standard Time
Printed: Friday, December 01, 2017 11:35:16 Pacific Standard Time

Name: 171130M2_1, Date: 01-Dec-2017, Time: 00:37:22, ID: ST171130M2-1 PFC CS-2 17K2806, Description: PFC CS-2 17K2806

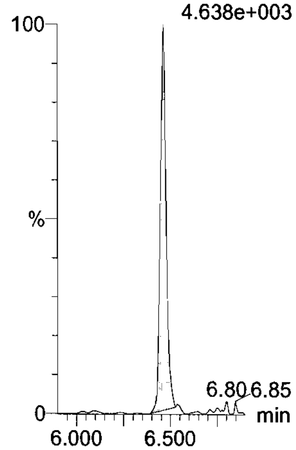
PFODA
F61:MRM of 1 channel,ES-
913.1 > 868.8
6.115e+003



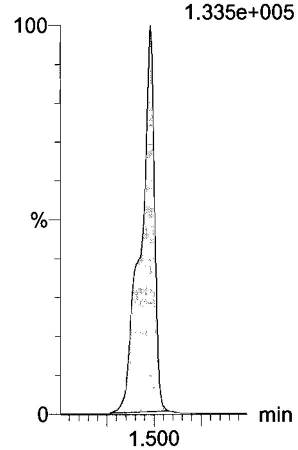
N-MeFOSE
F52:MRM of 1 channel,ES-
616.1 > 58.9
5.385e+003



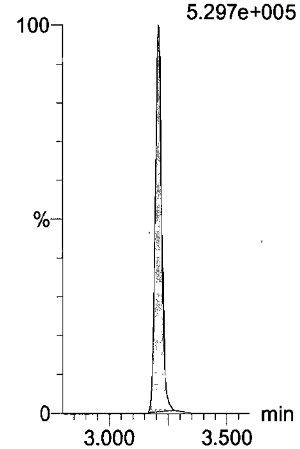
N-EtFOSE
F54:MRM of 1 channel,ES-
630.1 > 58.9
4.638e+003



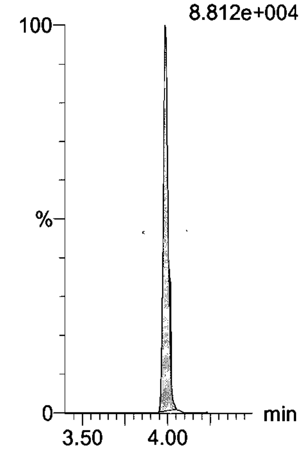
13C4-PFBA
F3:MRM of 1 channel,ES-
217. > 171.8
1.335e+005



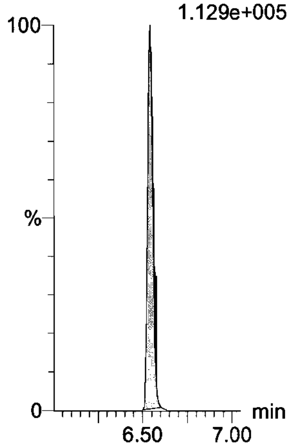
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
5.297e+005



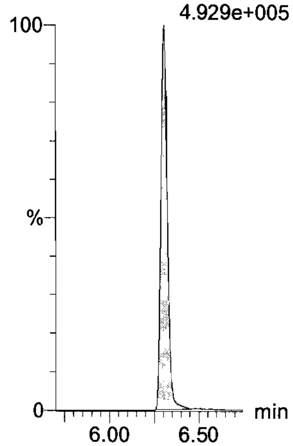
13C3-PFHxS
F16:MRM of 1 channel,ES-
401.9 > 79.9
8.812e+004



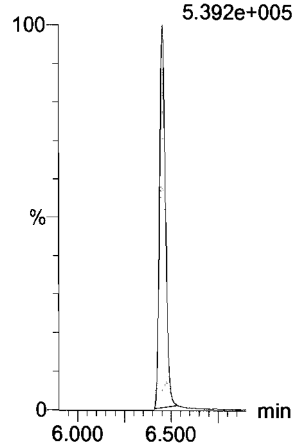
13C2-PFHxDA
F60:MRM of 1 channel,ES-
815 > 769.7
1.129e+005



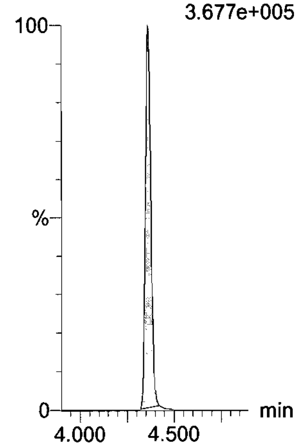
d7-N-MeFOSE
F53:MRM of 1 channel,ES-
623.1 > 58.9
4.929e+005



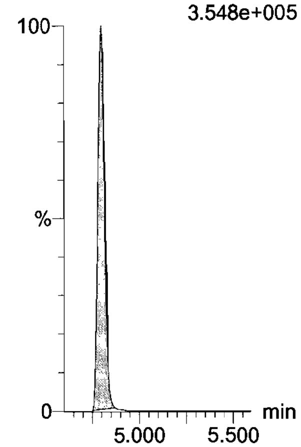
d9-N-EtFOSE
F55:MRM of 1 channel,ES-
639.2 > 58.8
5.392e+005



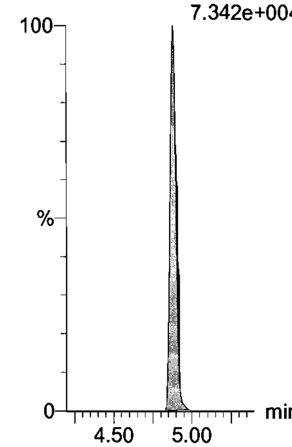
13C8-PFOA
F20:MRM of 1 channel,ES-
421.3 > 376
3.677e+005



13C9-PFNA
F26:MRM of 1 channel,ES-
472.2 > 426.9
3.548e+005



13C4-PFOS
F30:MRM of 1 channel,ES-
503 > 79.9
7.342e+004

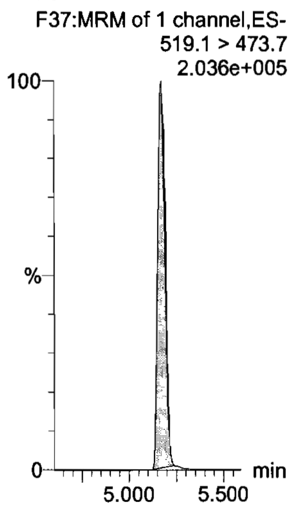


Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

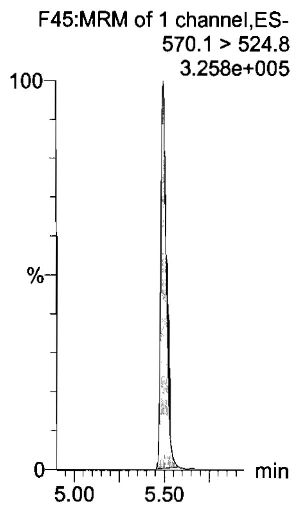
Last Altered: Friday, December 01, 2017 11:25:53 Pacific Standard Time
Printed: Friday, December 01, 2017 11:35:16 Pacific Standard Time

Name: 171130M2_1, Date: 01-Dec-2017, Time: 00:37:22, ID: ST171130M2-1 PFC CS-2 17K2806, Description: PFC CS-2 17K2806

13C6-PFDA



13C7-PFUdA



Vista Analytical Laboratory

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Printed: Friday, December 01, 2017 11:35:16 Pacific Standard Time

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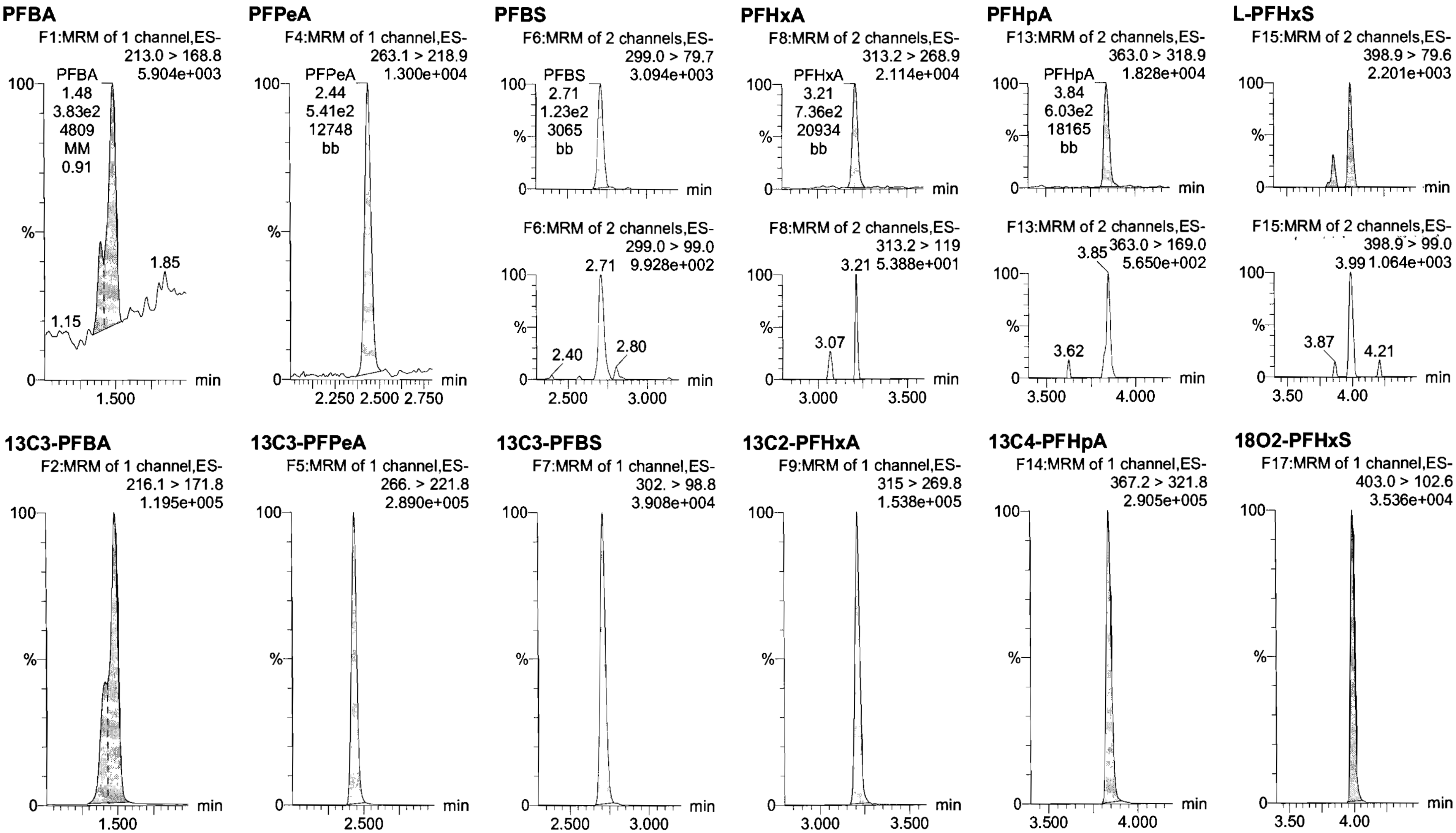

Vista Analytical Laboratory

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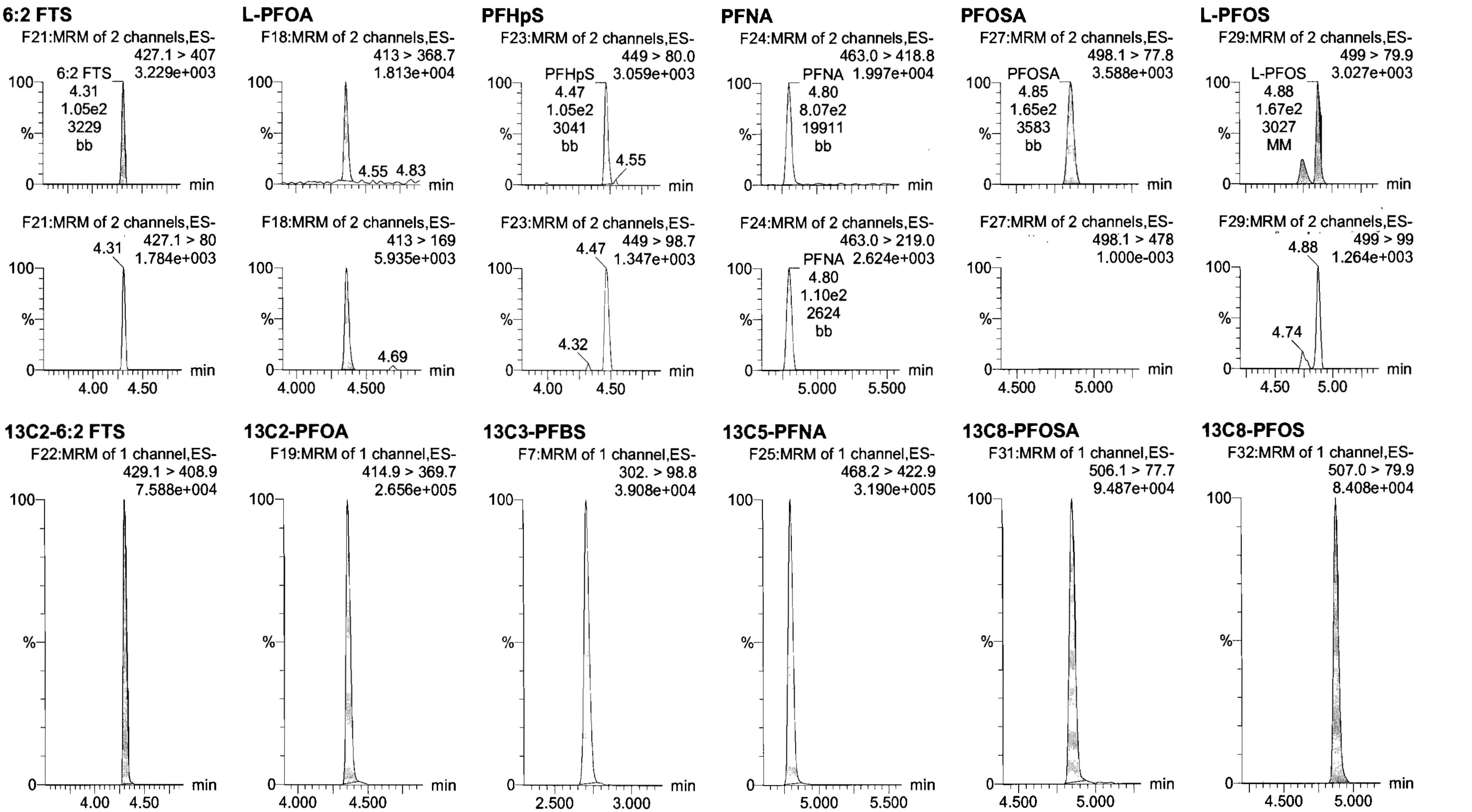

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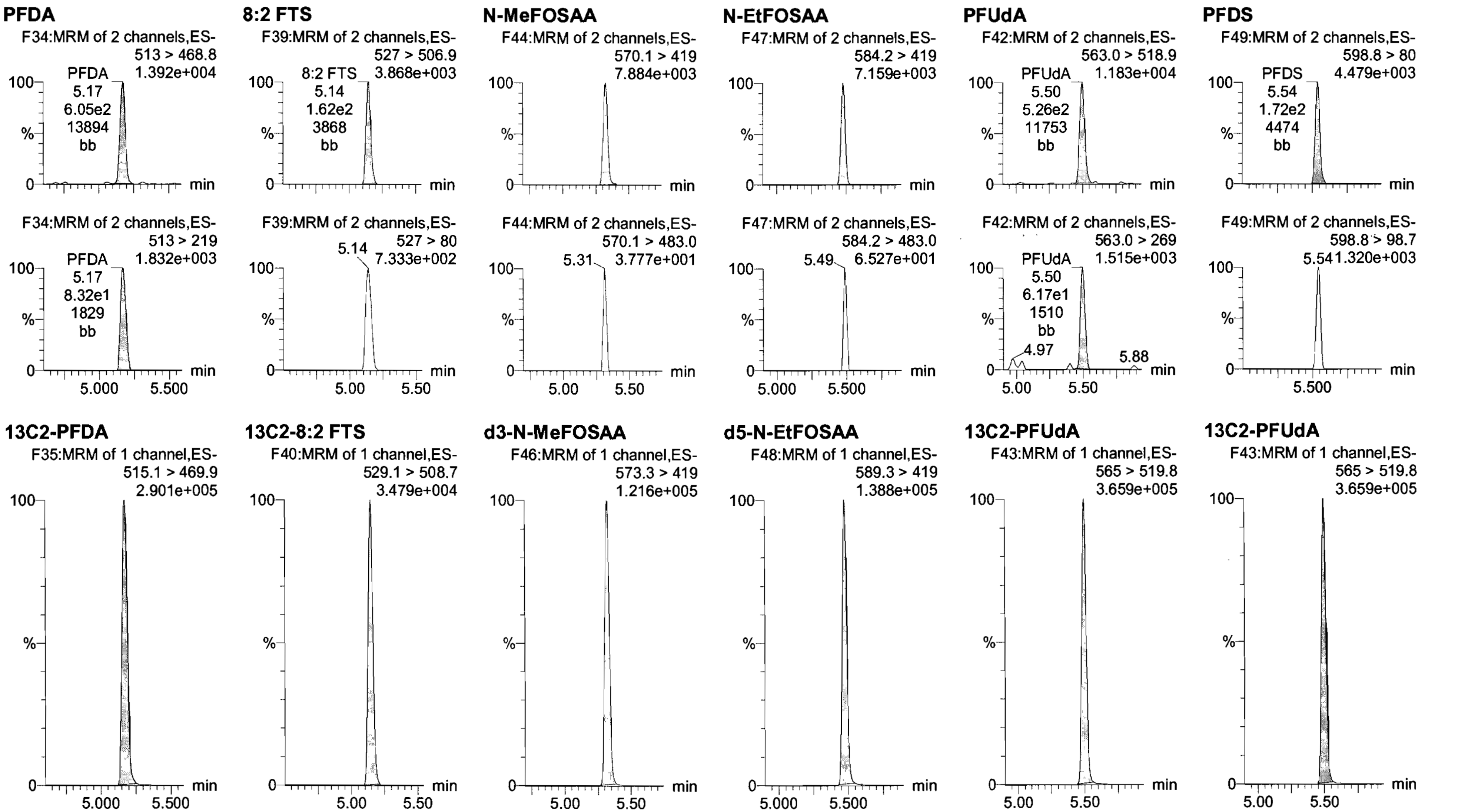

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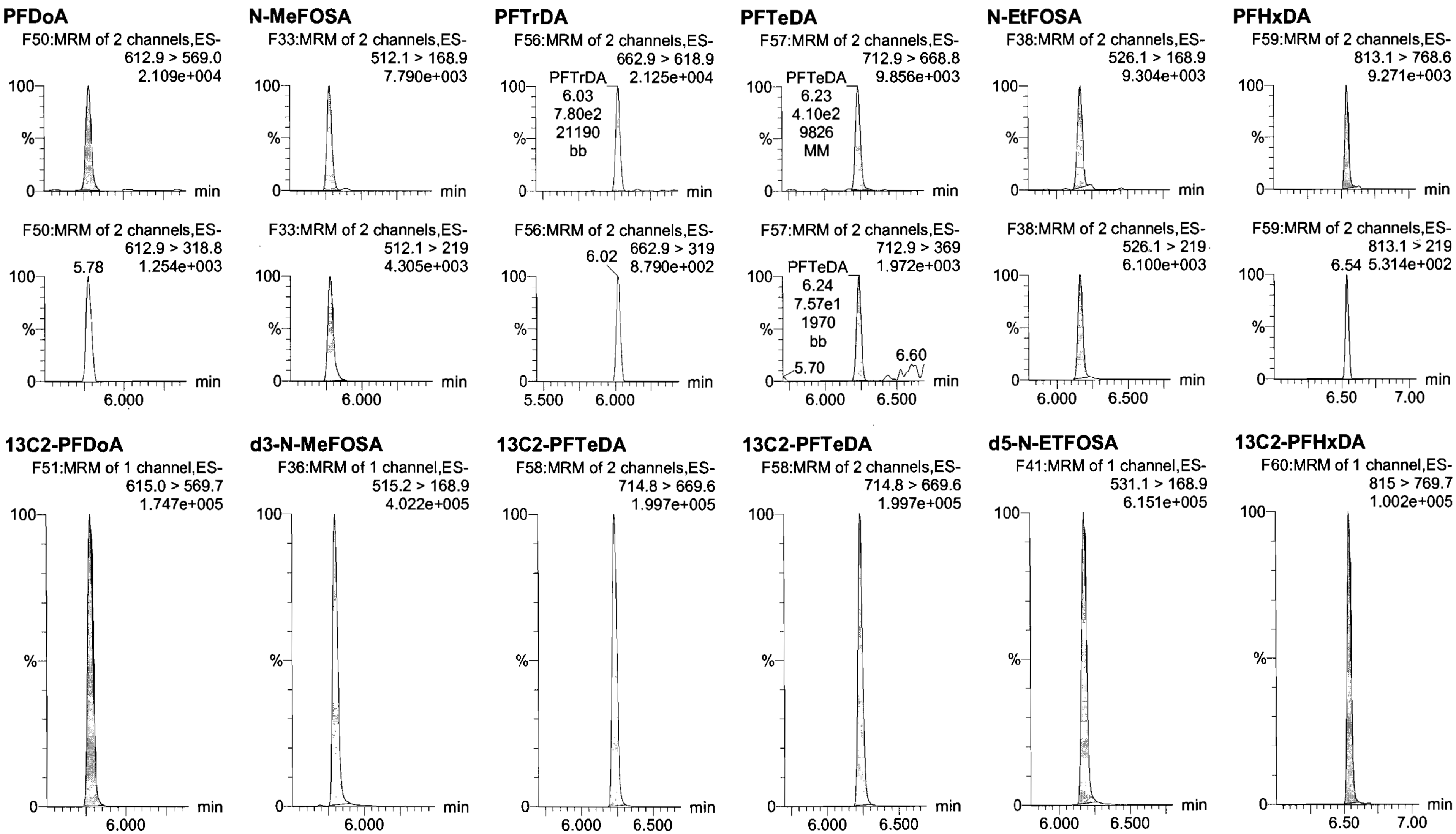

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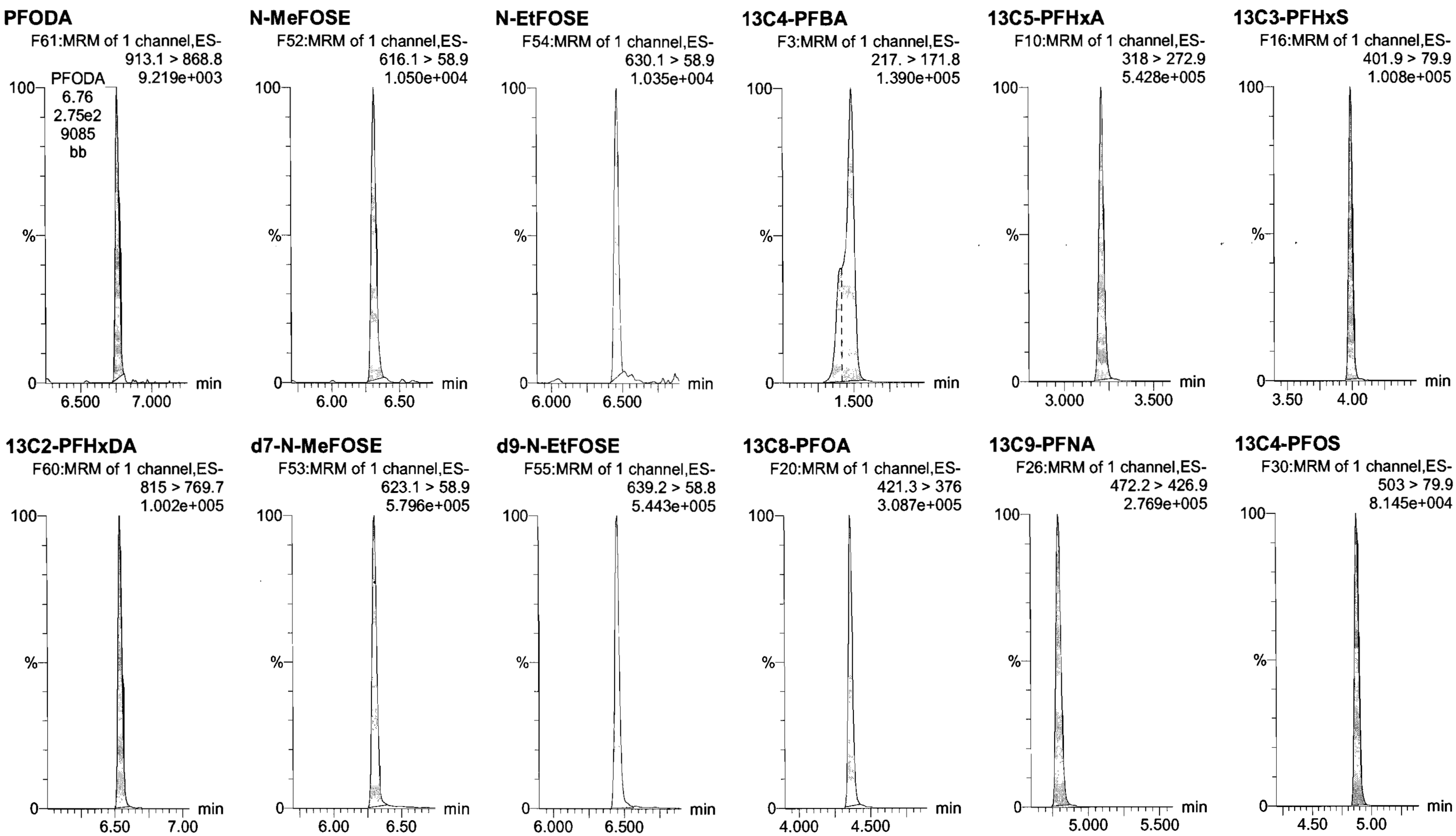

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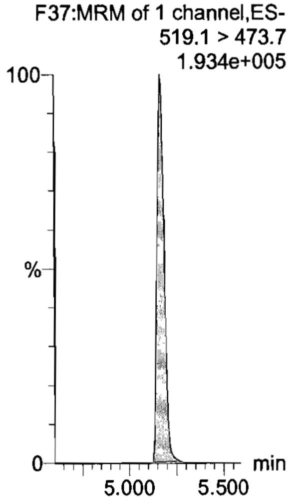

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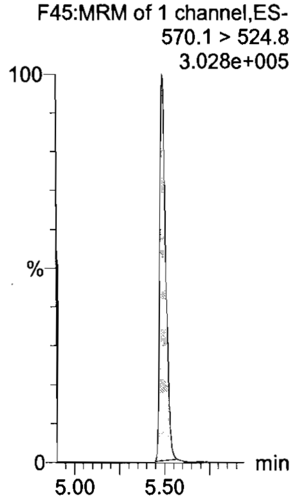

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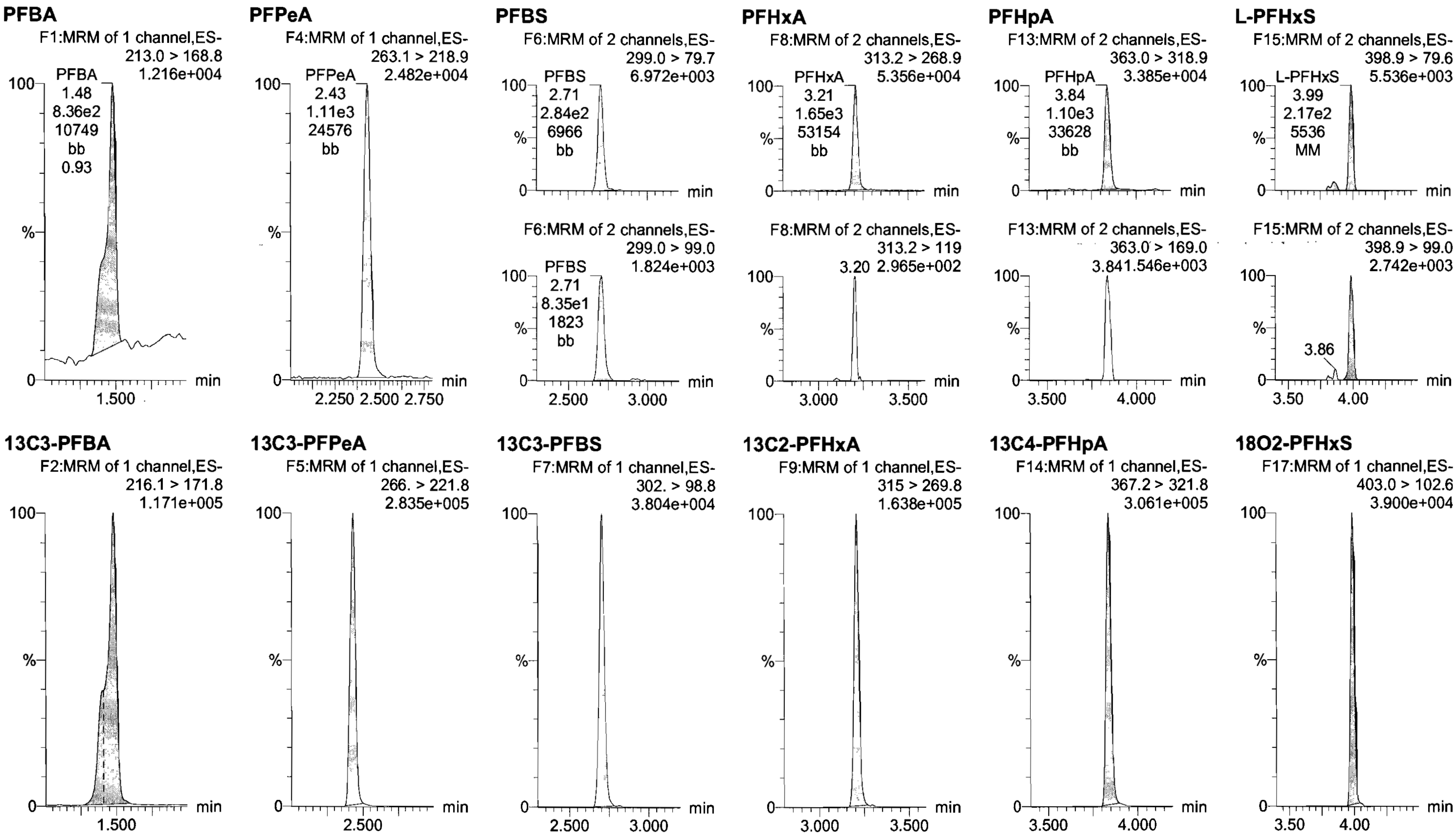

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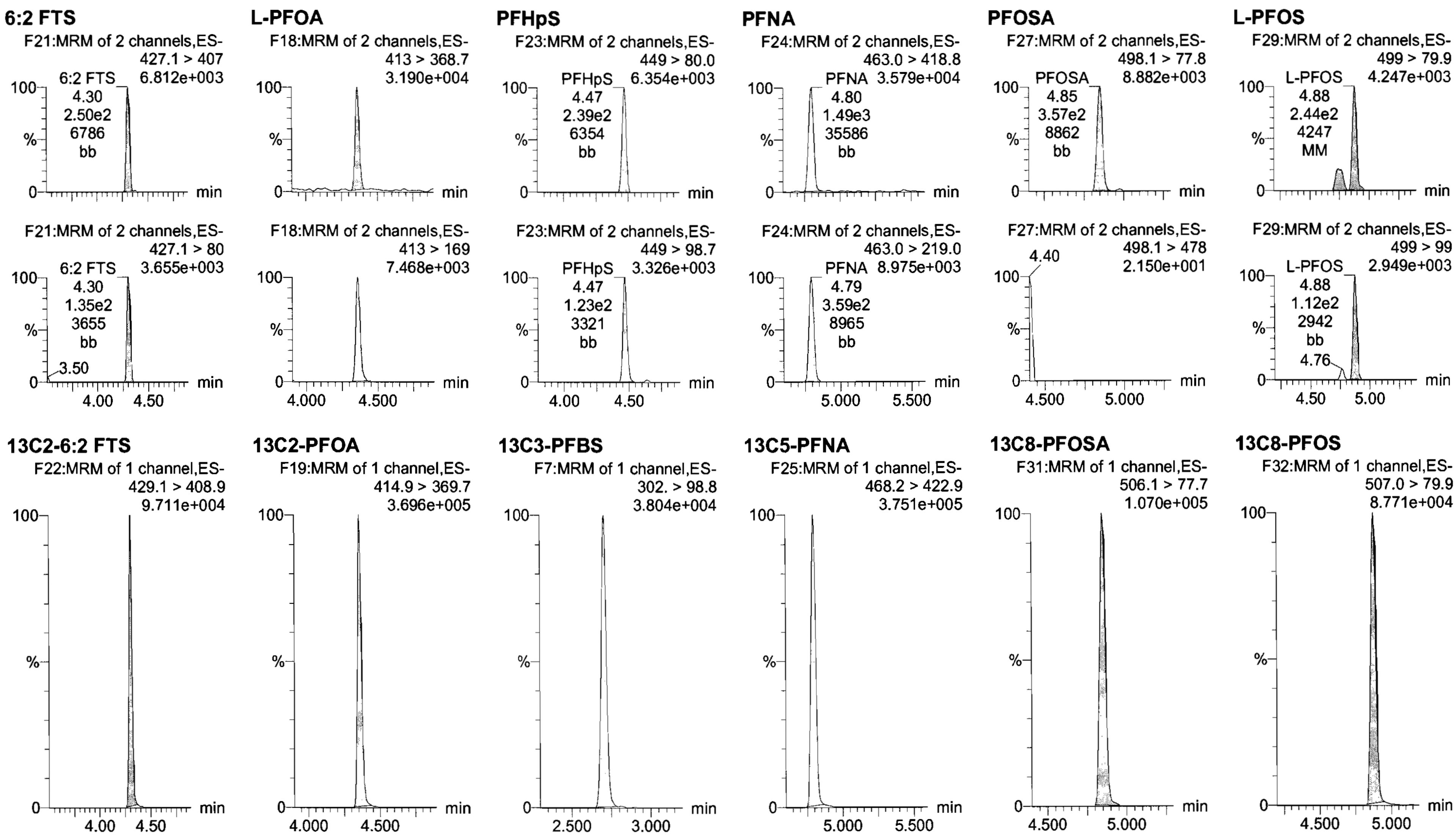

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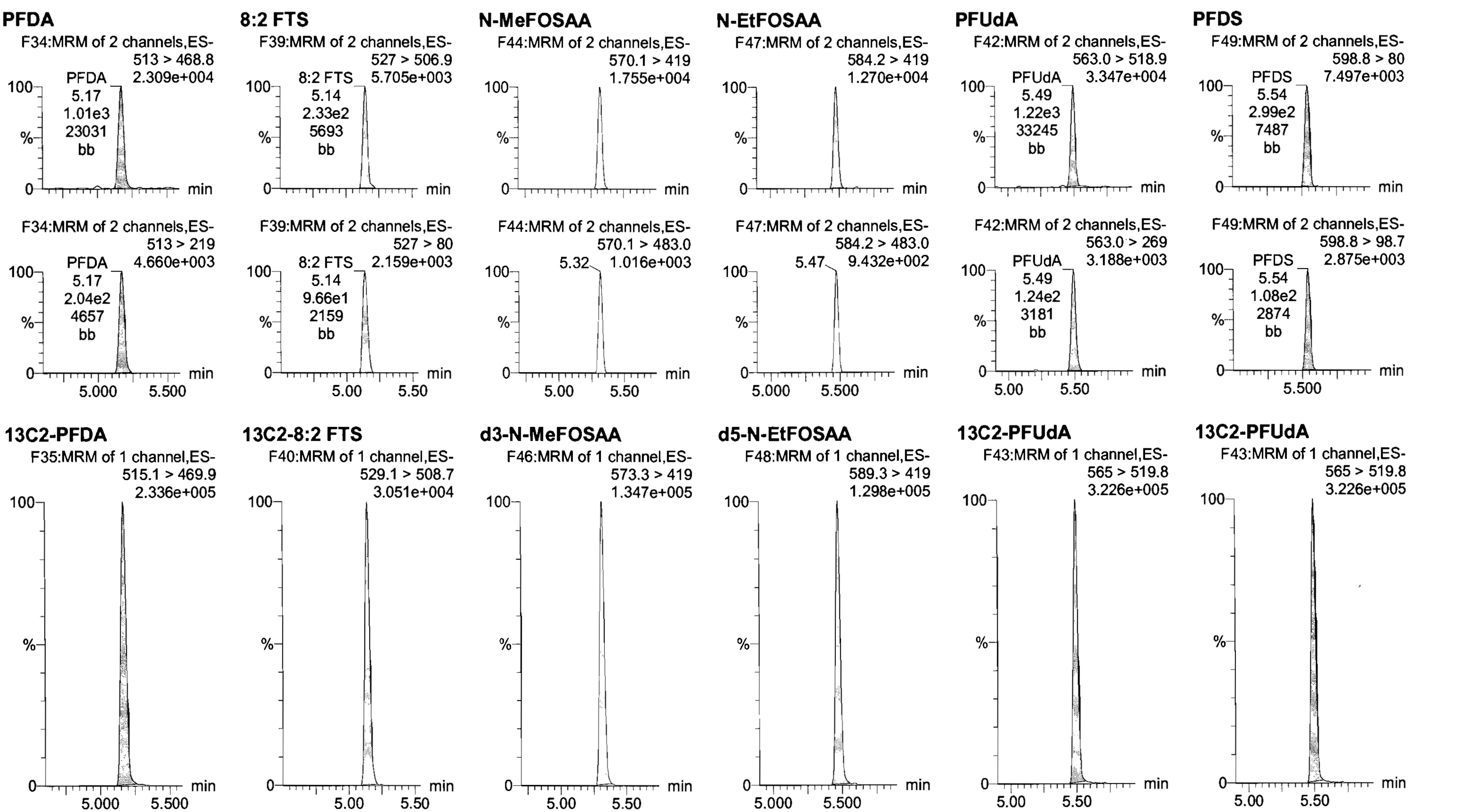

Vista Analytical Laboratory

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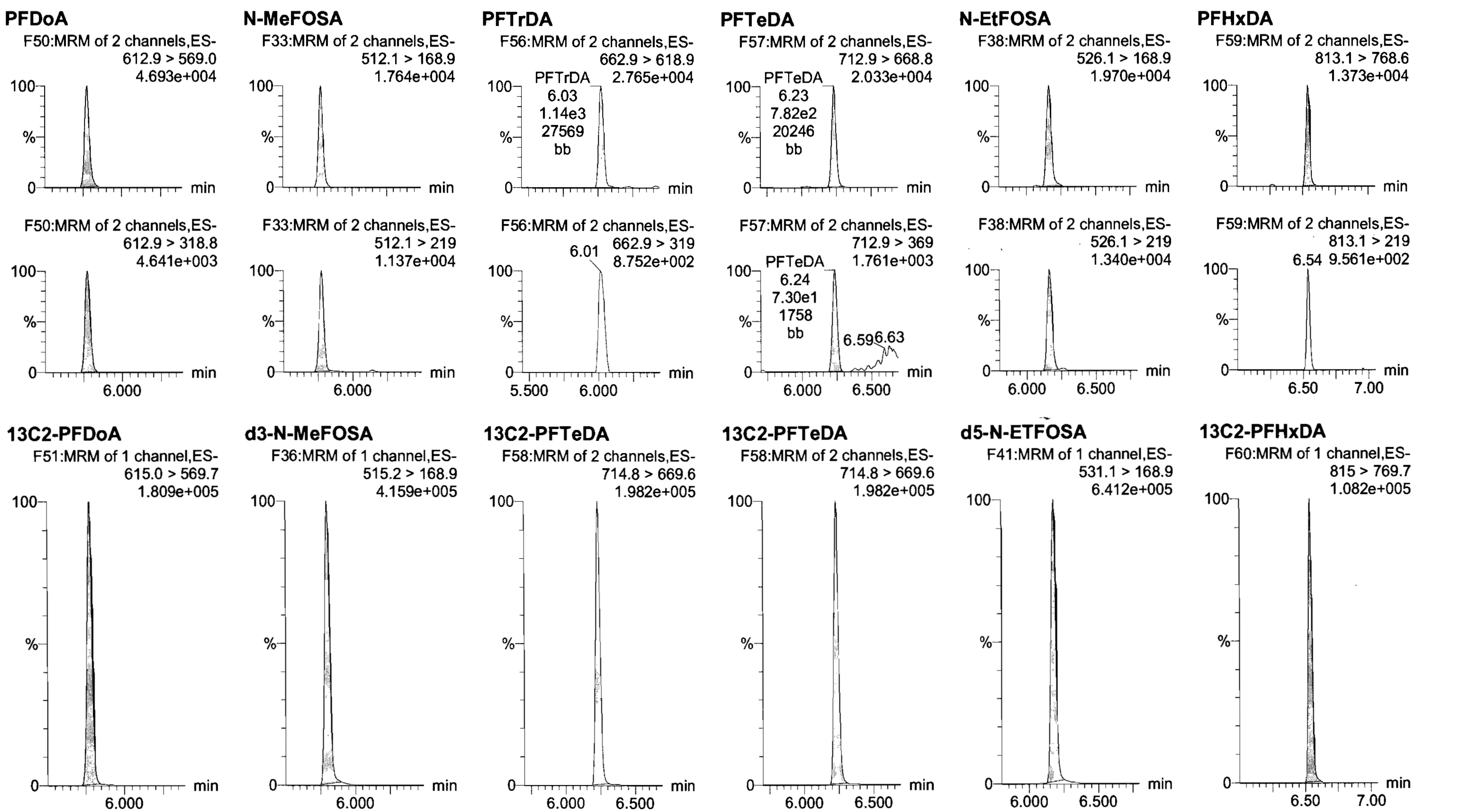

Quantify Sample Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

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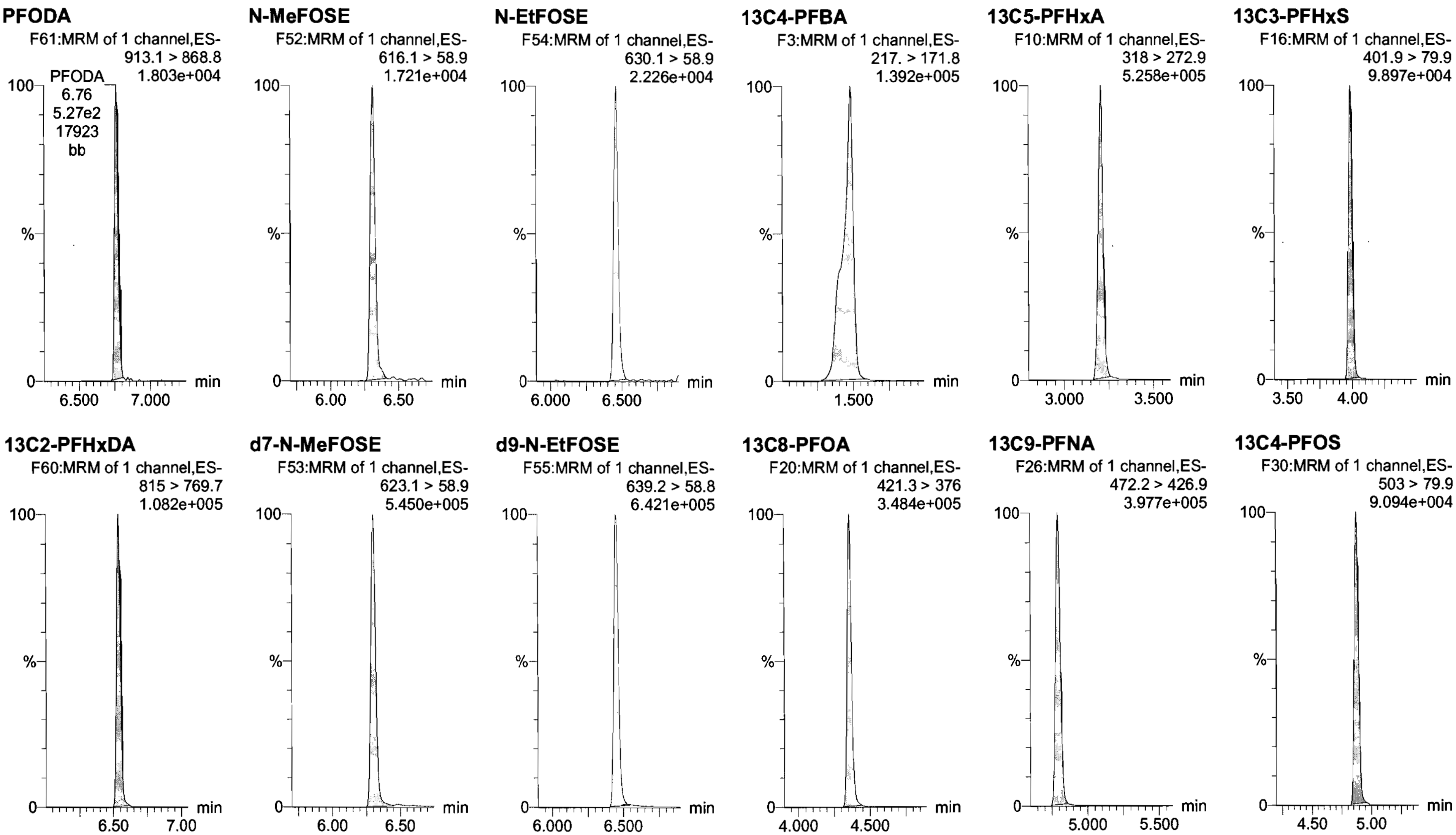

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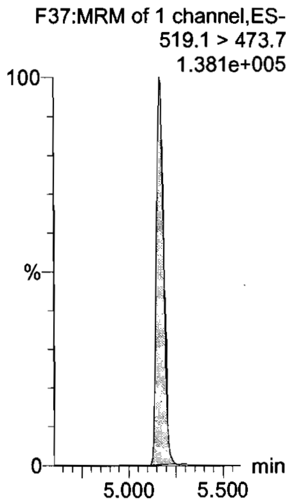
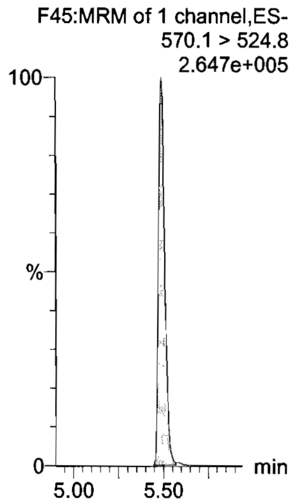
13C6-PFDA



13C7-PFUdA



Vista Analytical Laboratory

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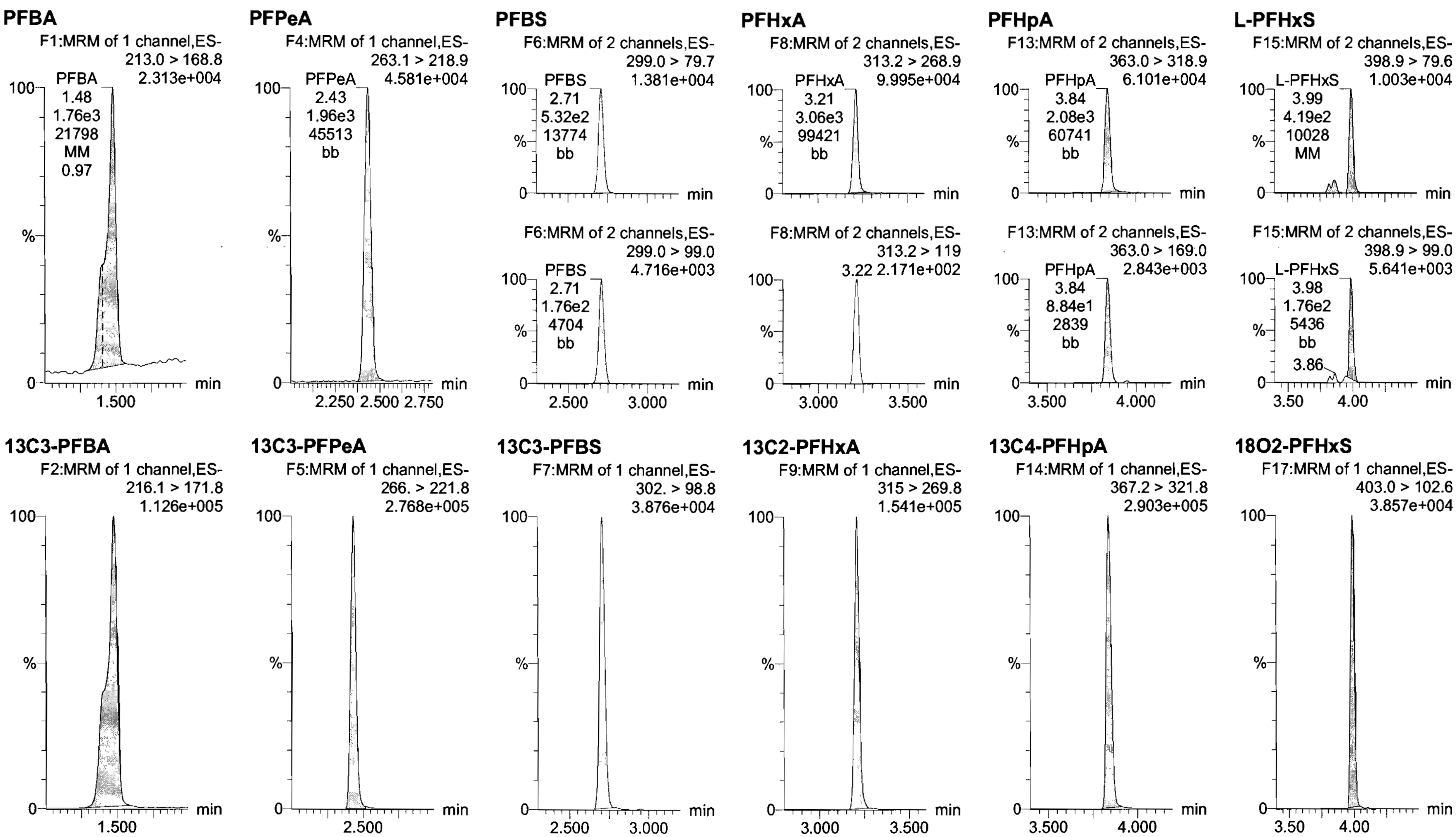

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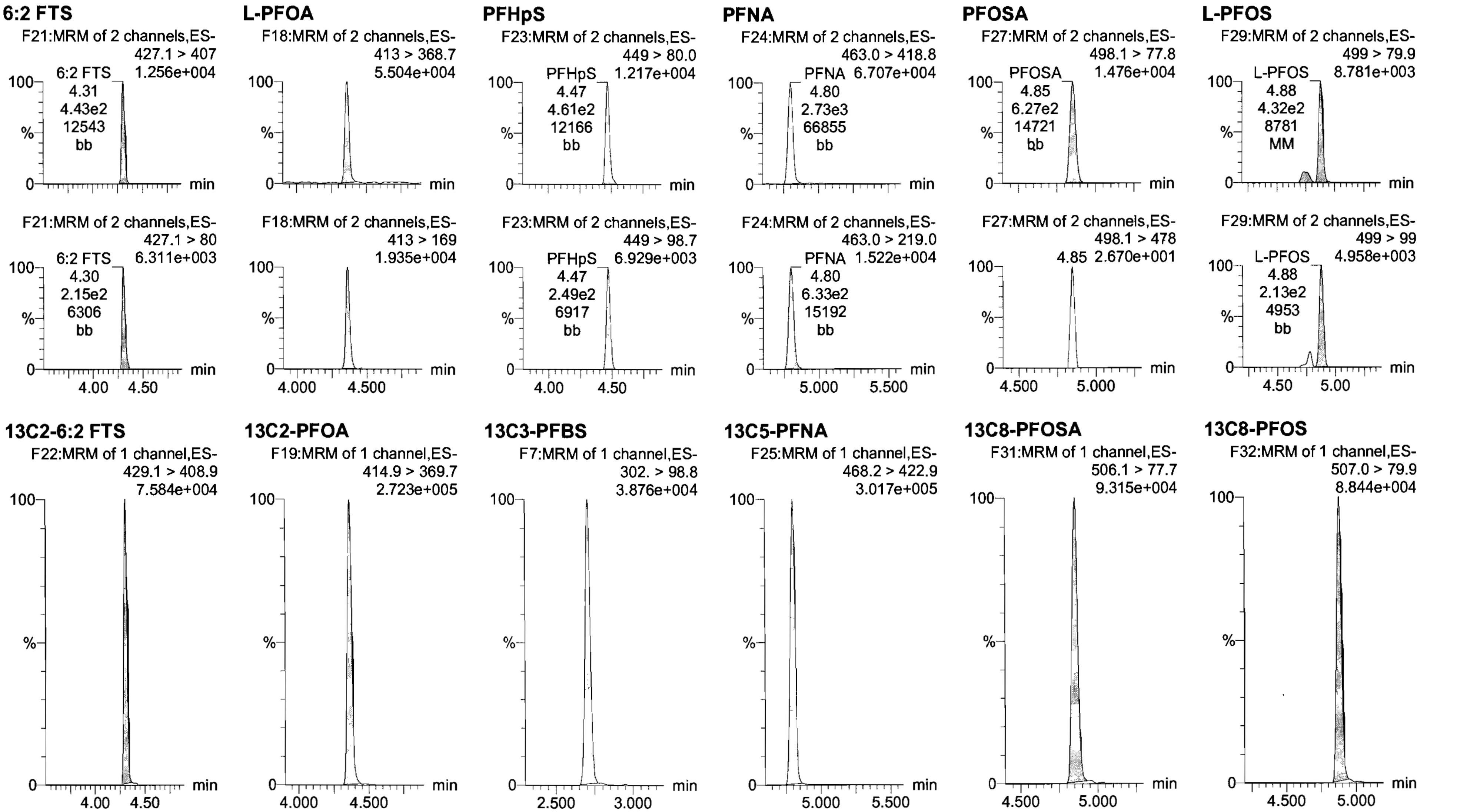

Vista Analytical Laboratory

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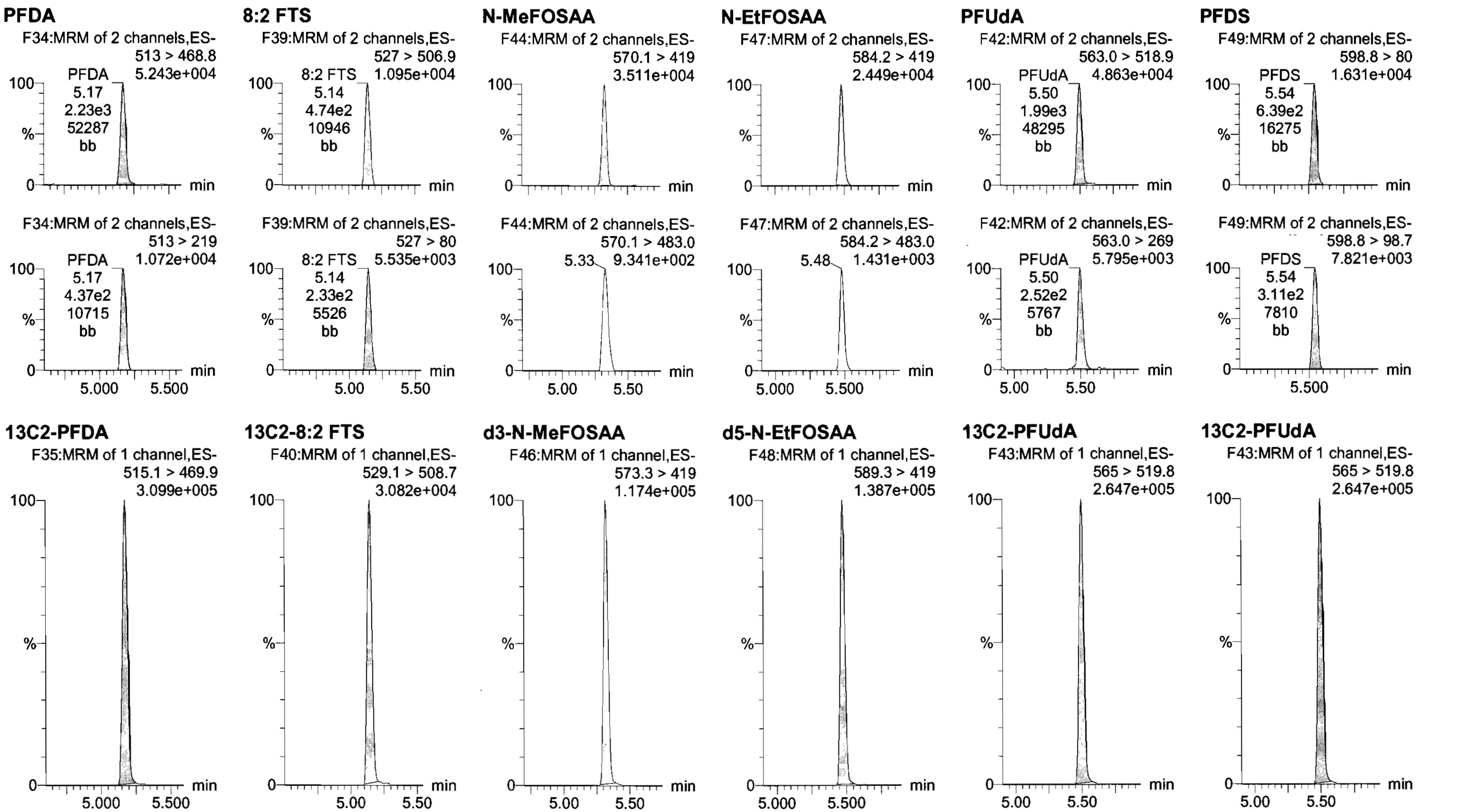

Vista Analytical Laboratory

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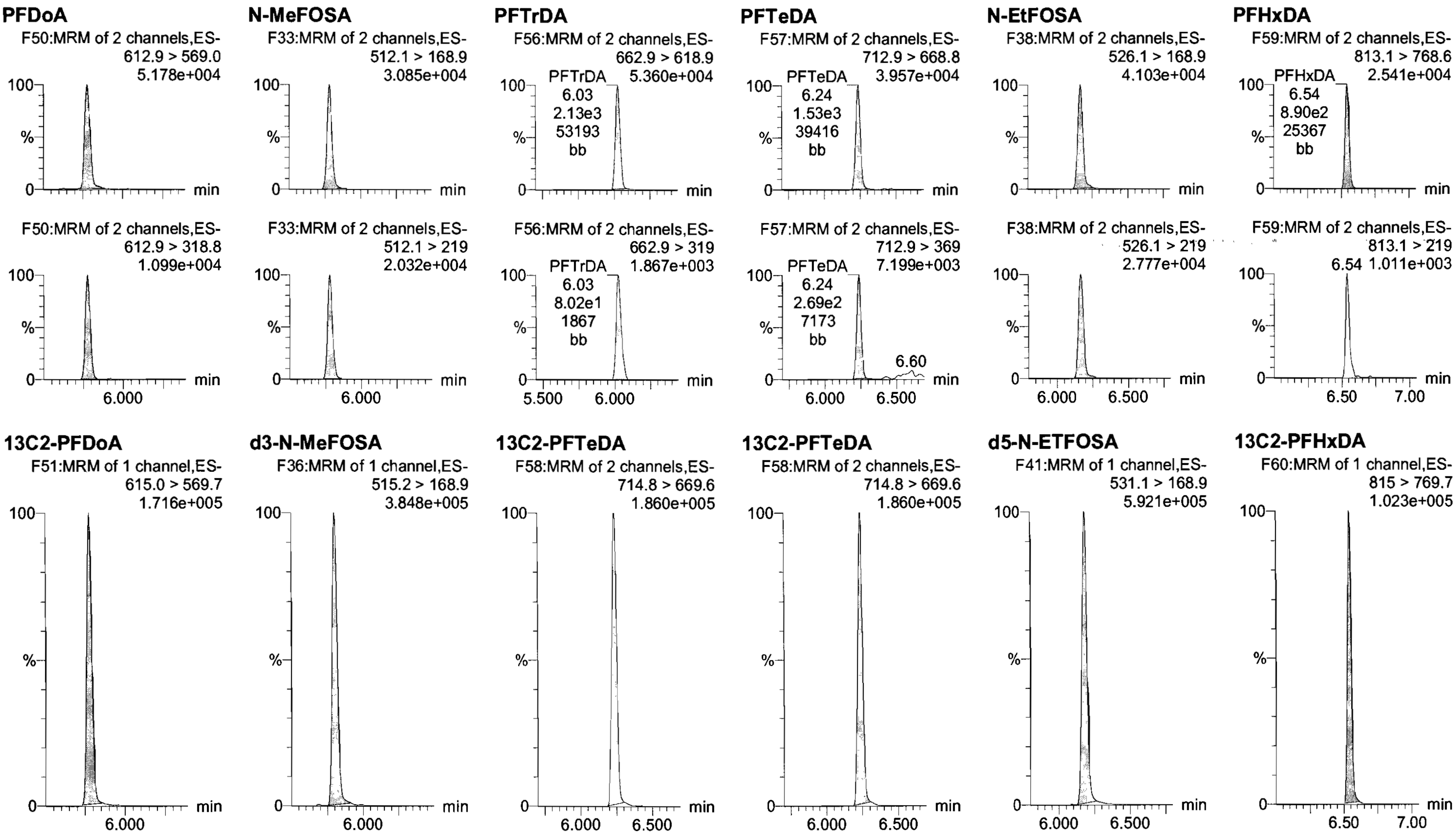

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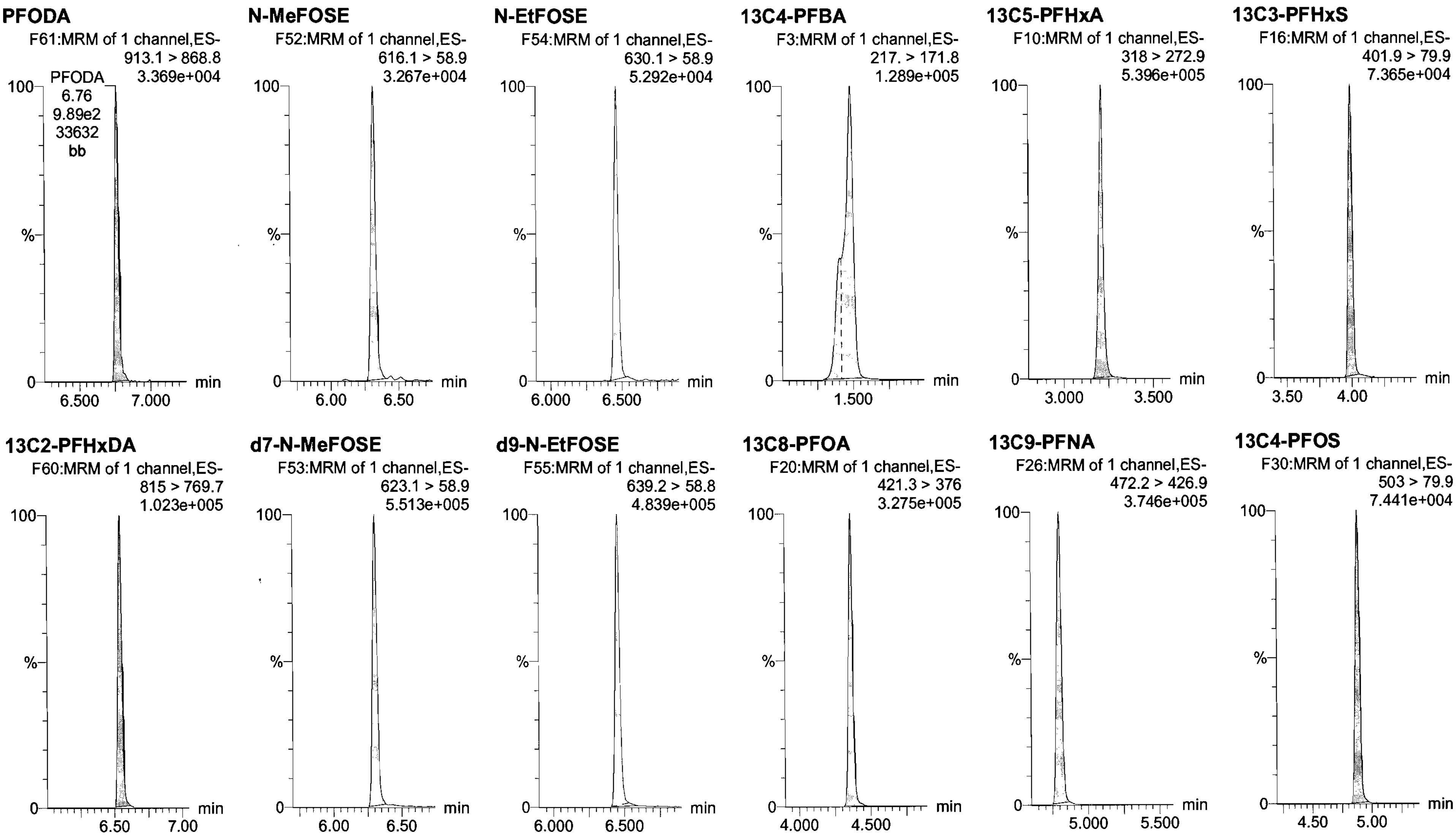

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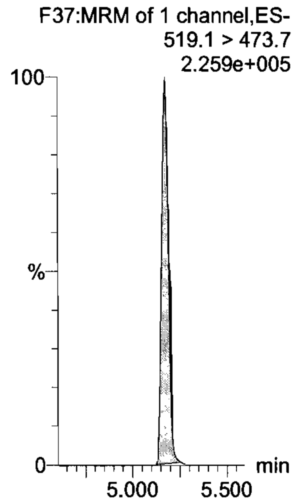
13C6-PFDA



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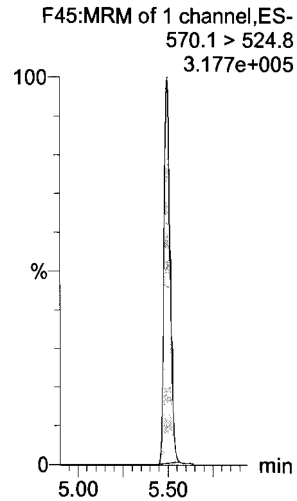

Vista Analytical Laboratory

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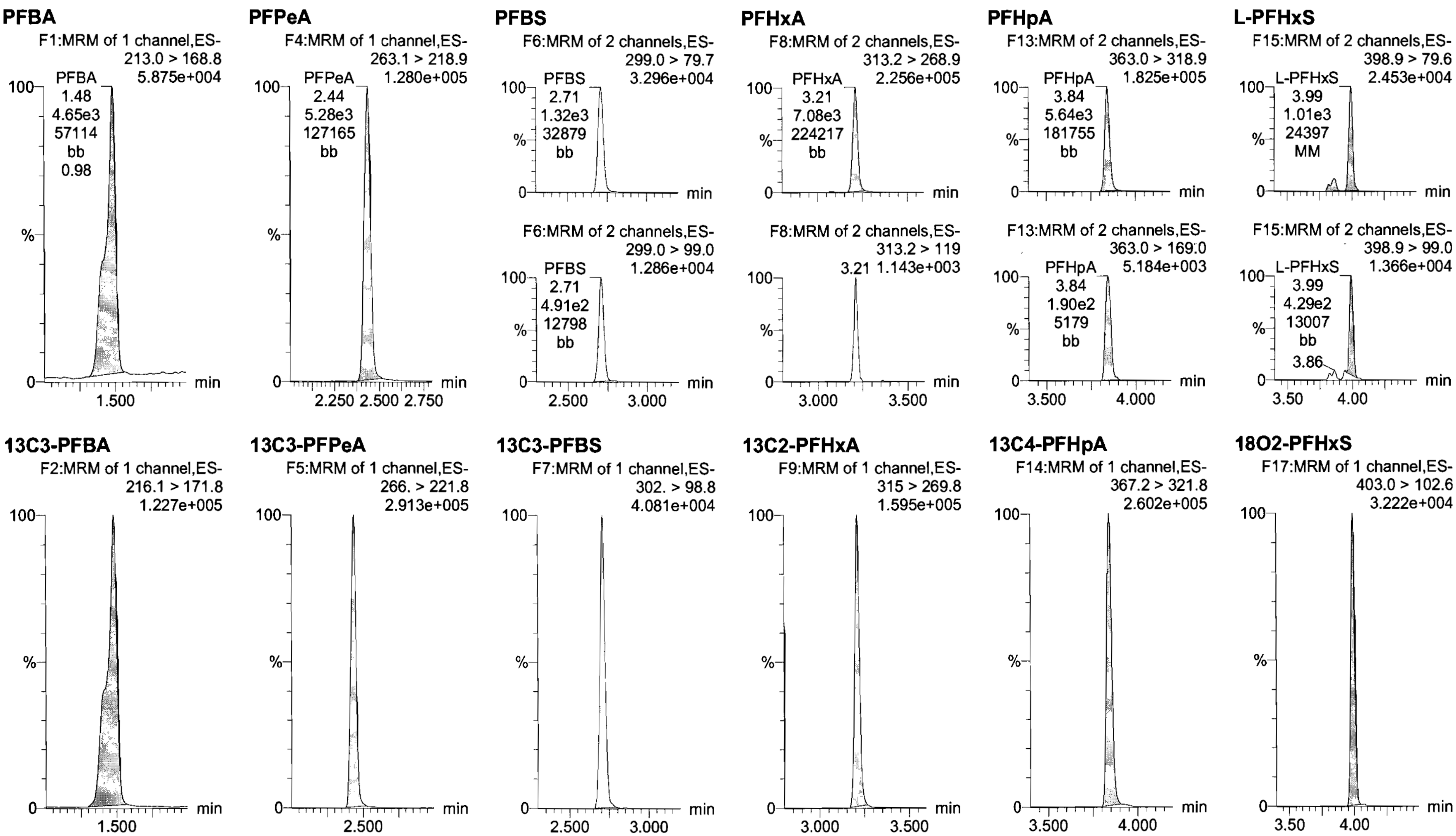

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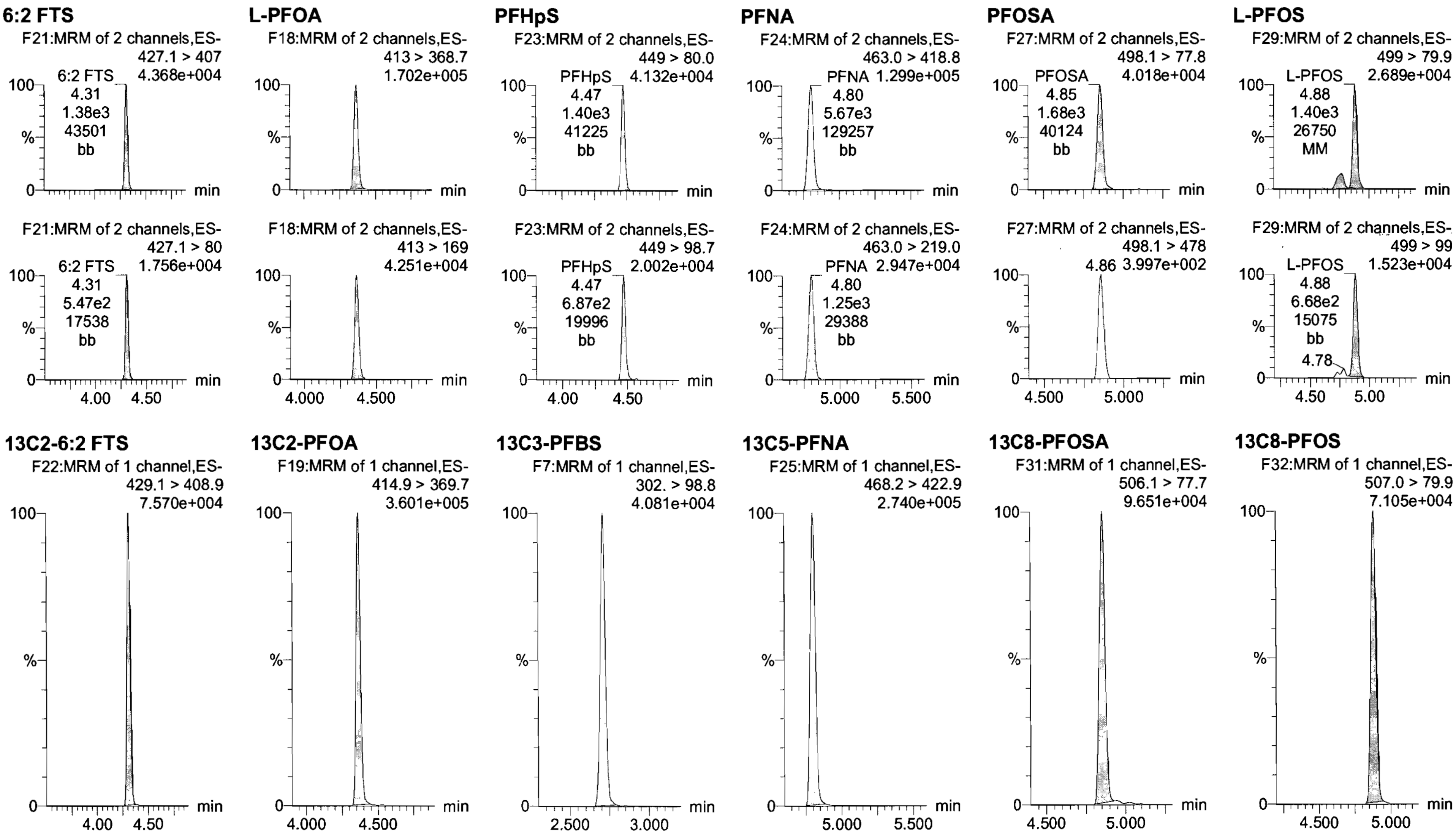

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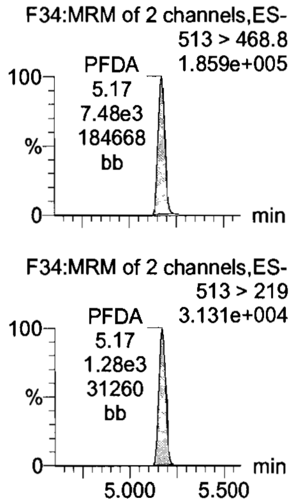

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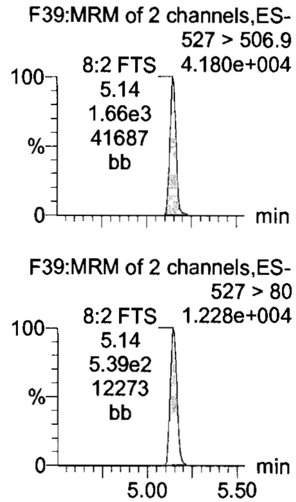

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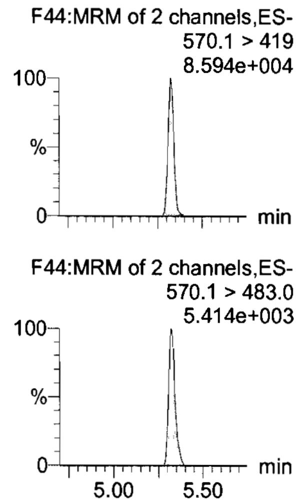

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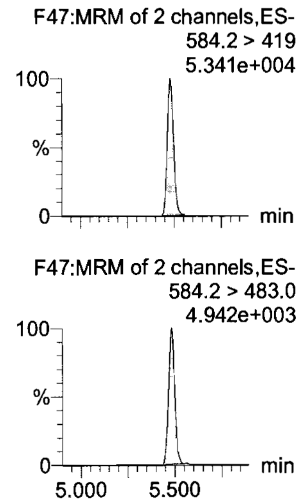

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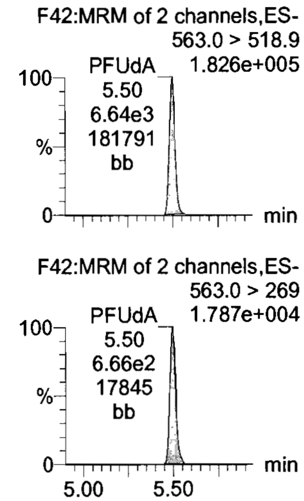

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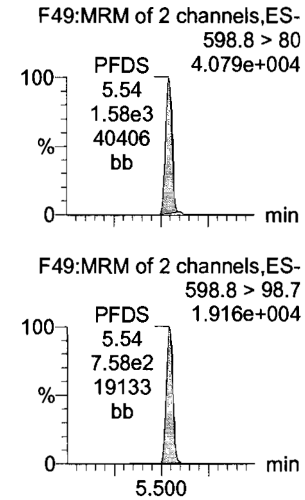

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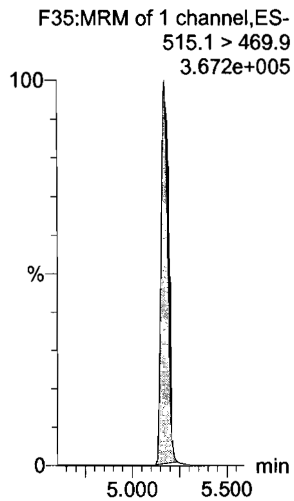

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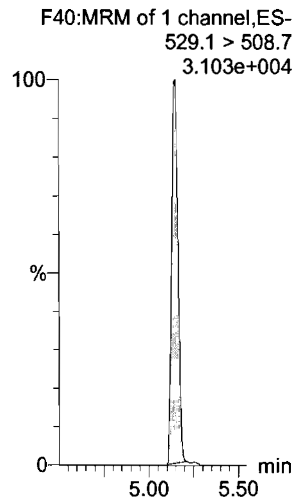

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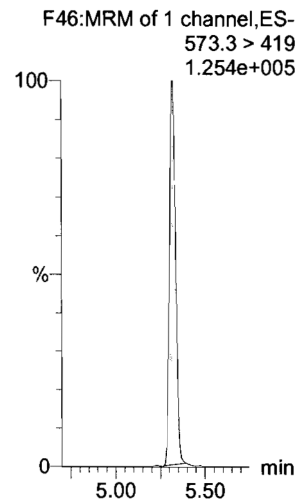

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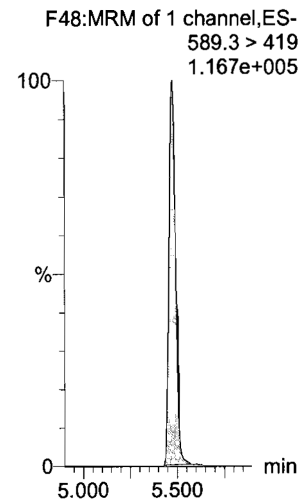

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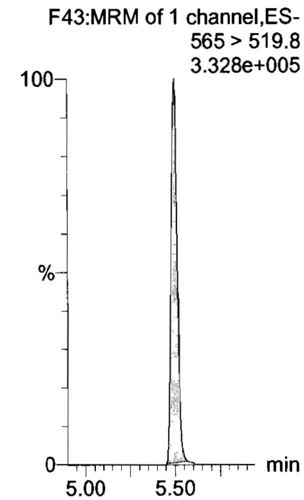

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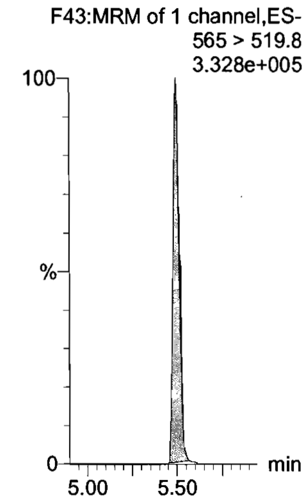

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Last Altered: Friday, December 01, 2017 11:25:53 Pacific Standard Time
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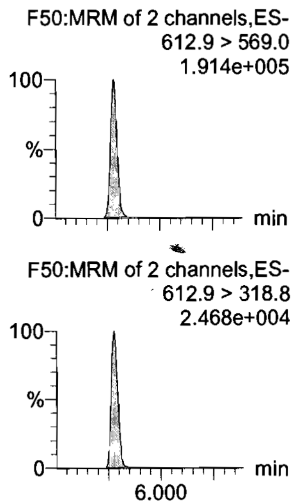
PFDoA



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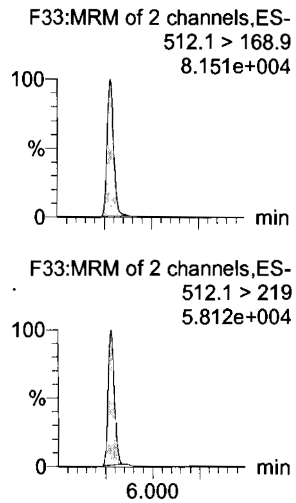

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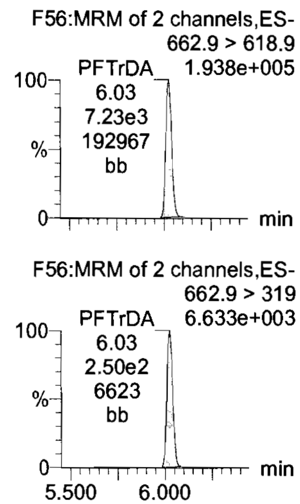

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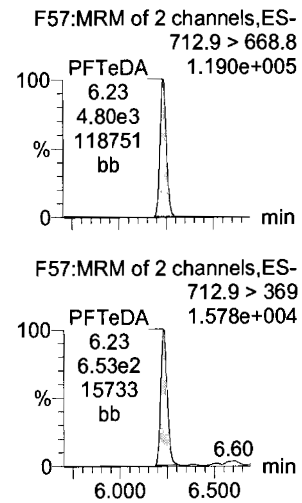

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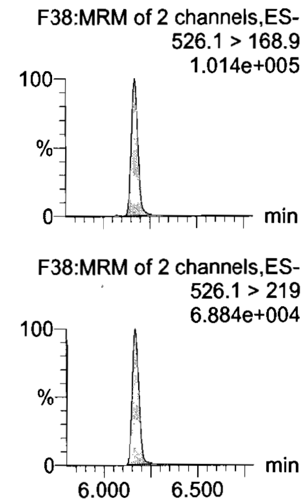

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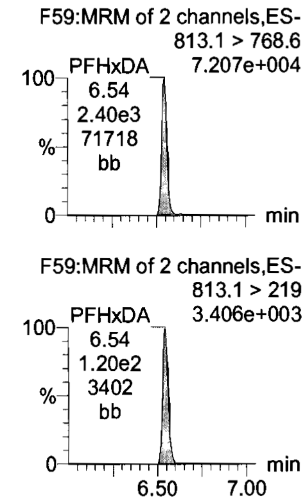
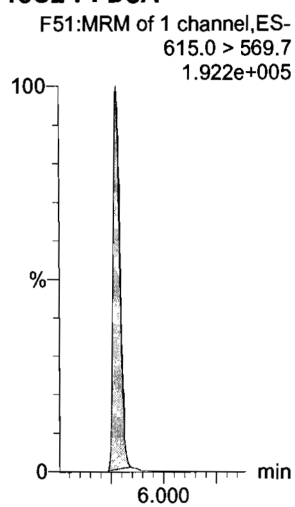


13C2-PFDoA



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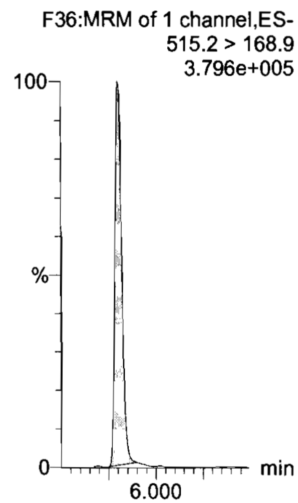

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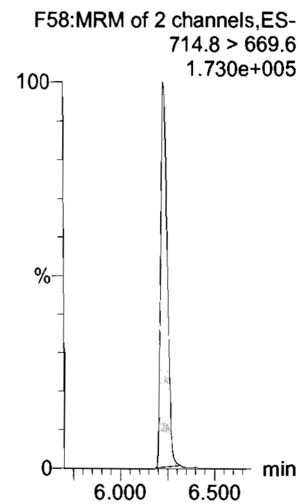

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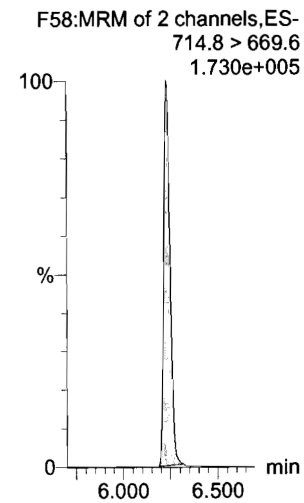

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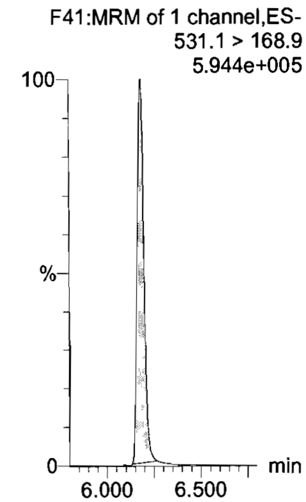

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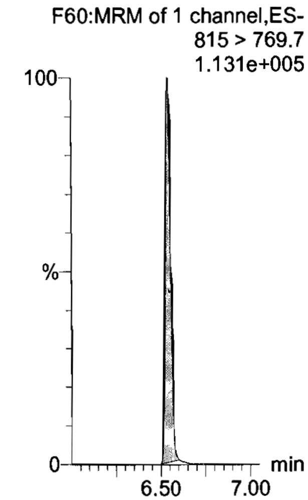

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 11:25:53 Pacific Standard Time
Printed: Friday, December 01, 2017 11:35:16 Pacific Standard Time

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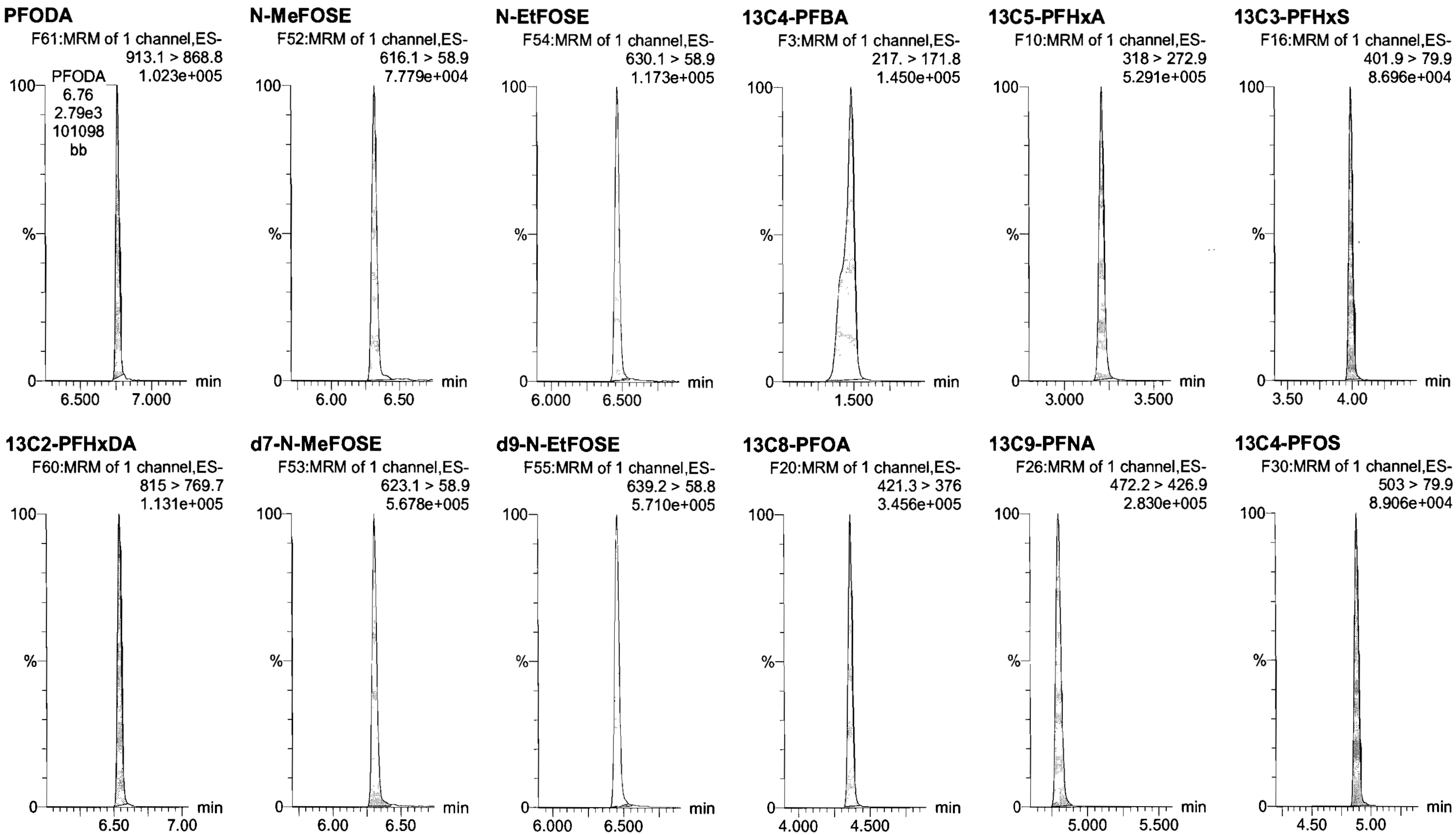


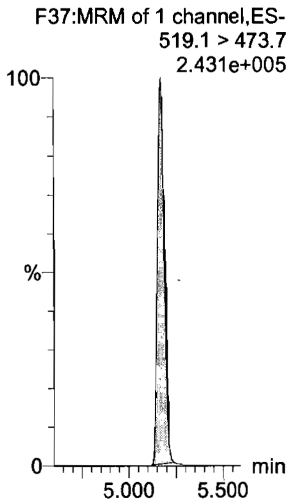
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

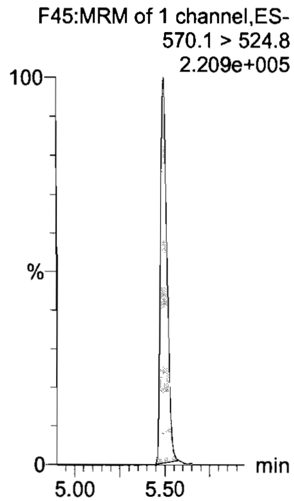
Last Altered: Friday, December 01, 2017 11:25:53 Pacific Standard Time
Printed: Friday, December 01, 2017 11:35:16 Pacific Standard Time

Name: 171130M2_5, Date: 01-Dec-2017, Time: 01:22:02, ID: ST171130M2-5 PFC CS2 17K2809, Description: PFC CS2 17K2809

13C6-PFDA



13C7-PFUdA



Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 11:25:53 Pacific Standard Time
Printed: Friday, December 01, 2017 11:35:16 Pacific Standard Time

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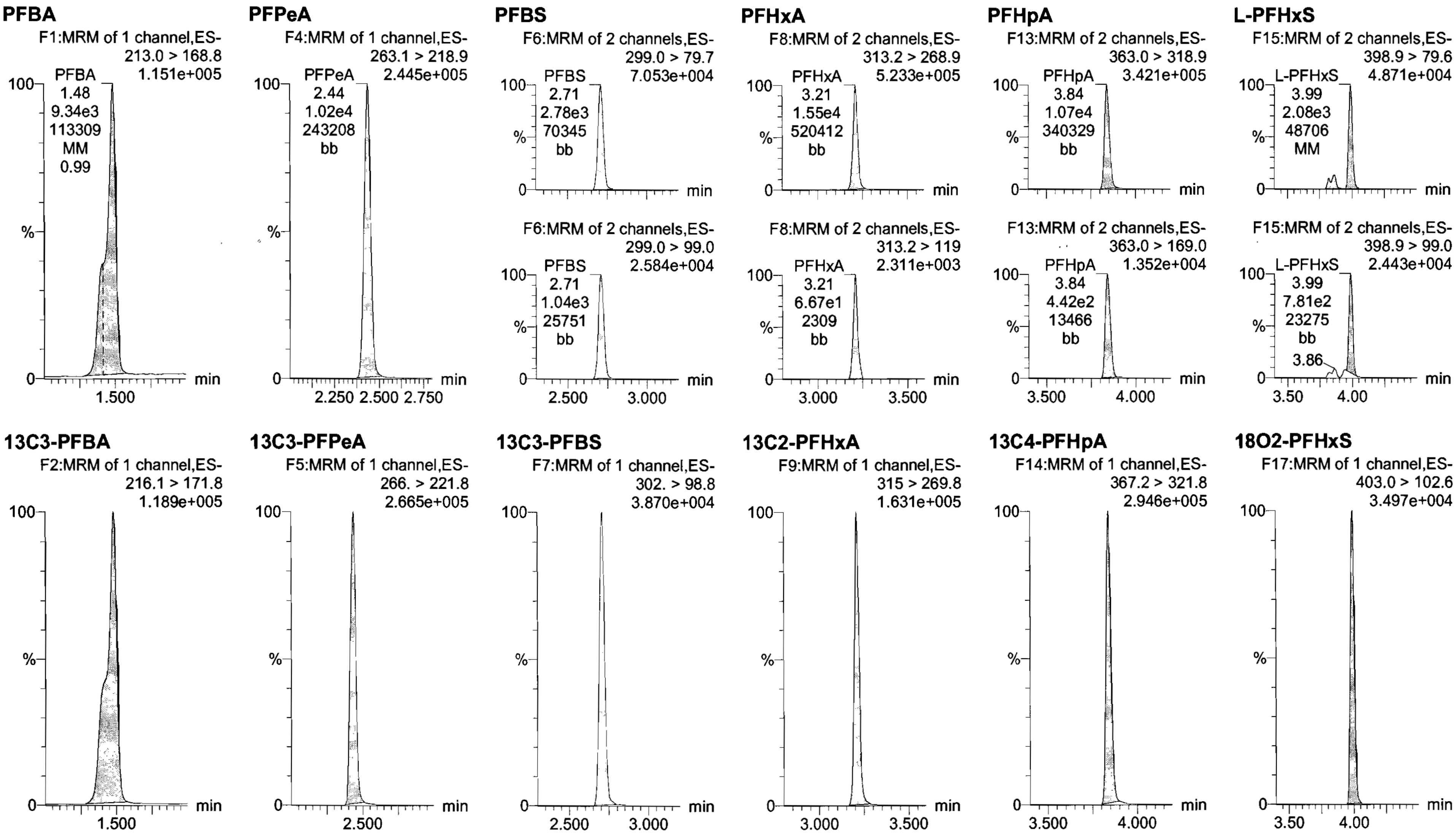

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

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Printed: Friday, December 01, 2017 11:35:16 Pacific Standard Time

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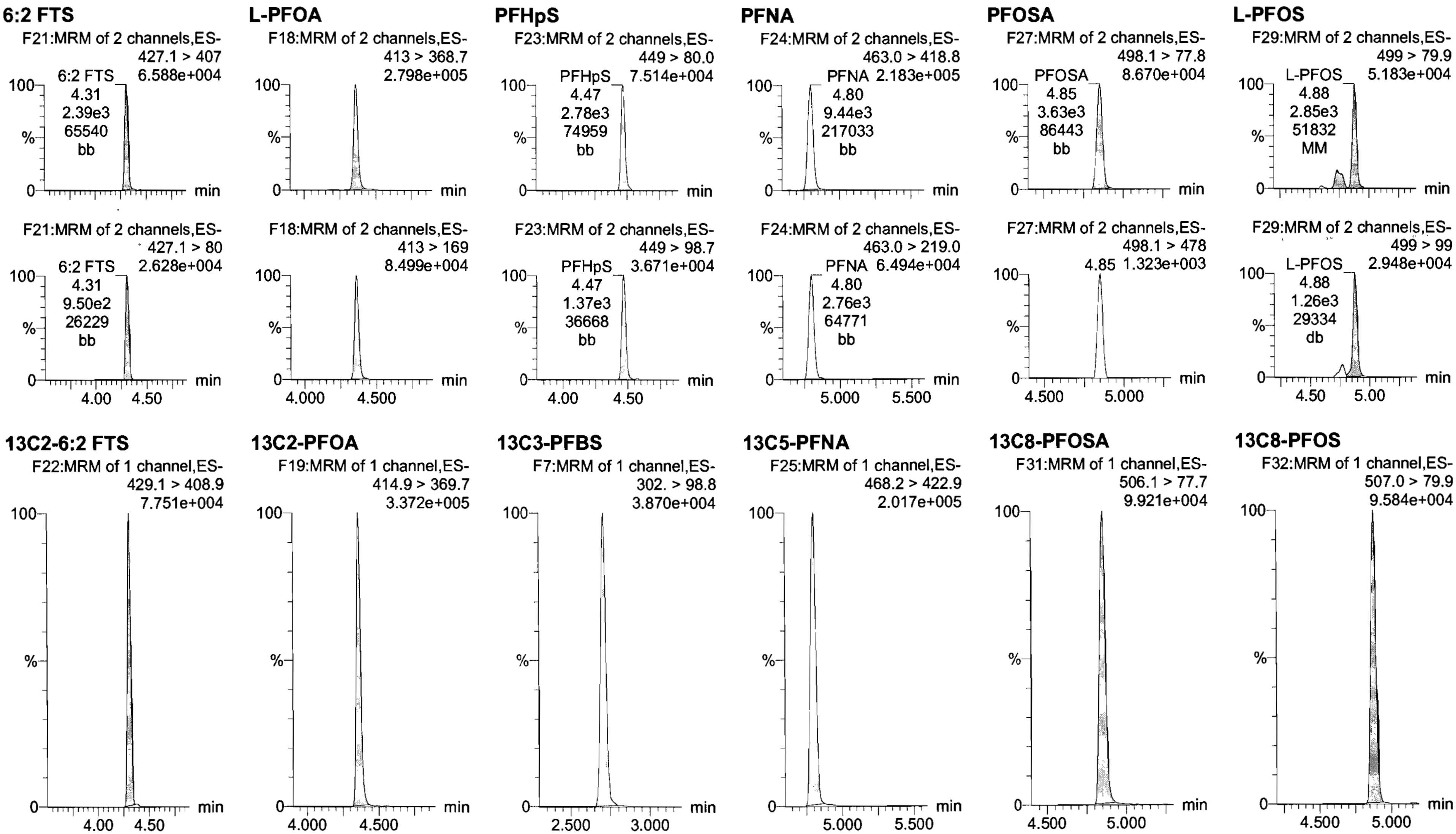

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

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Printed: Friday, December 01, 2017 11:35:16 Pacific Standard Time

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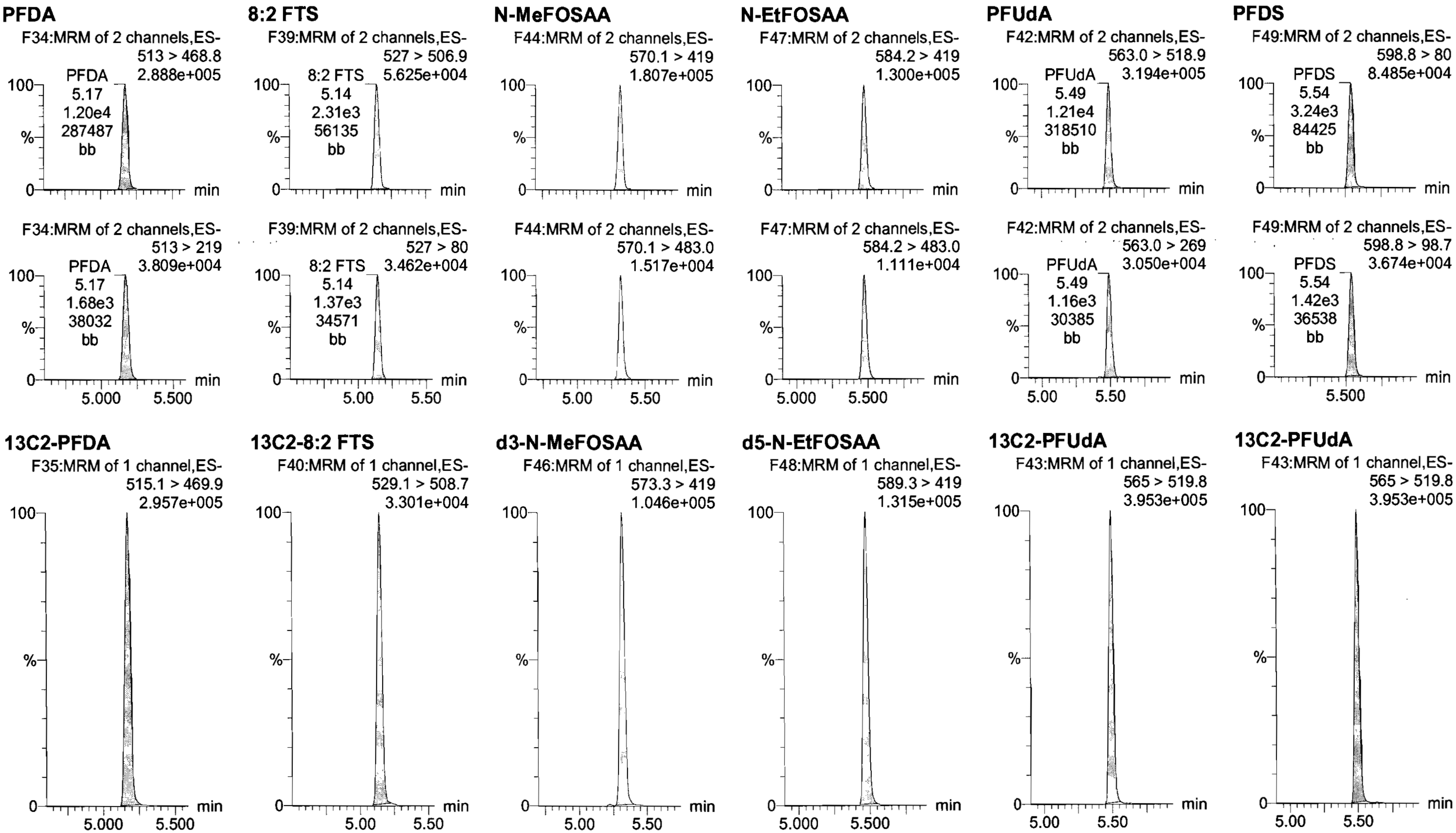

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

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Printed: Friday, December 01, 2017 11:35:16 Pacific Standard Time

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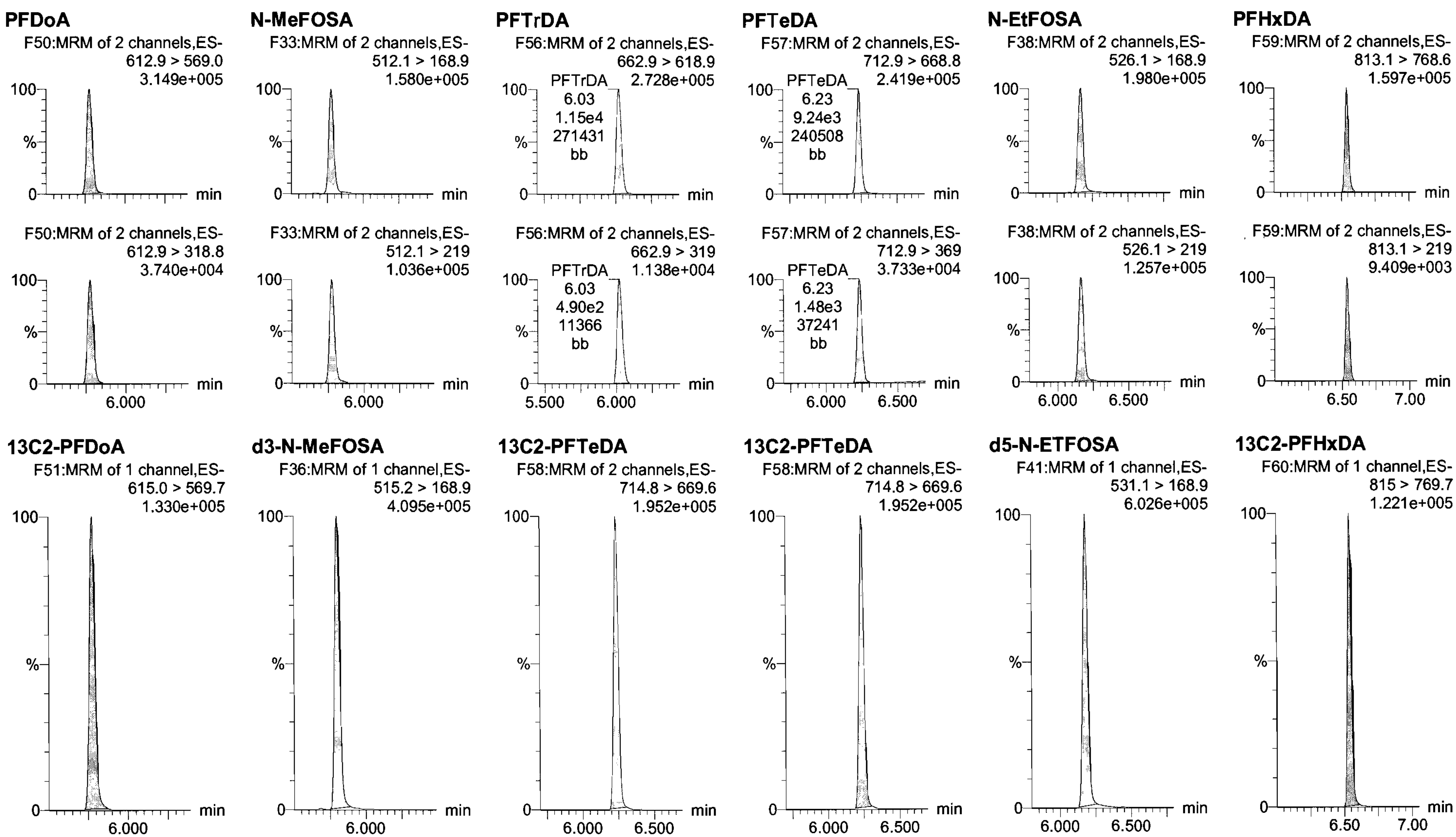

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Last Altered: Friday, December 01, 2017 11:25:53 Pacific Standard Time
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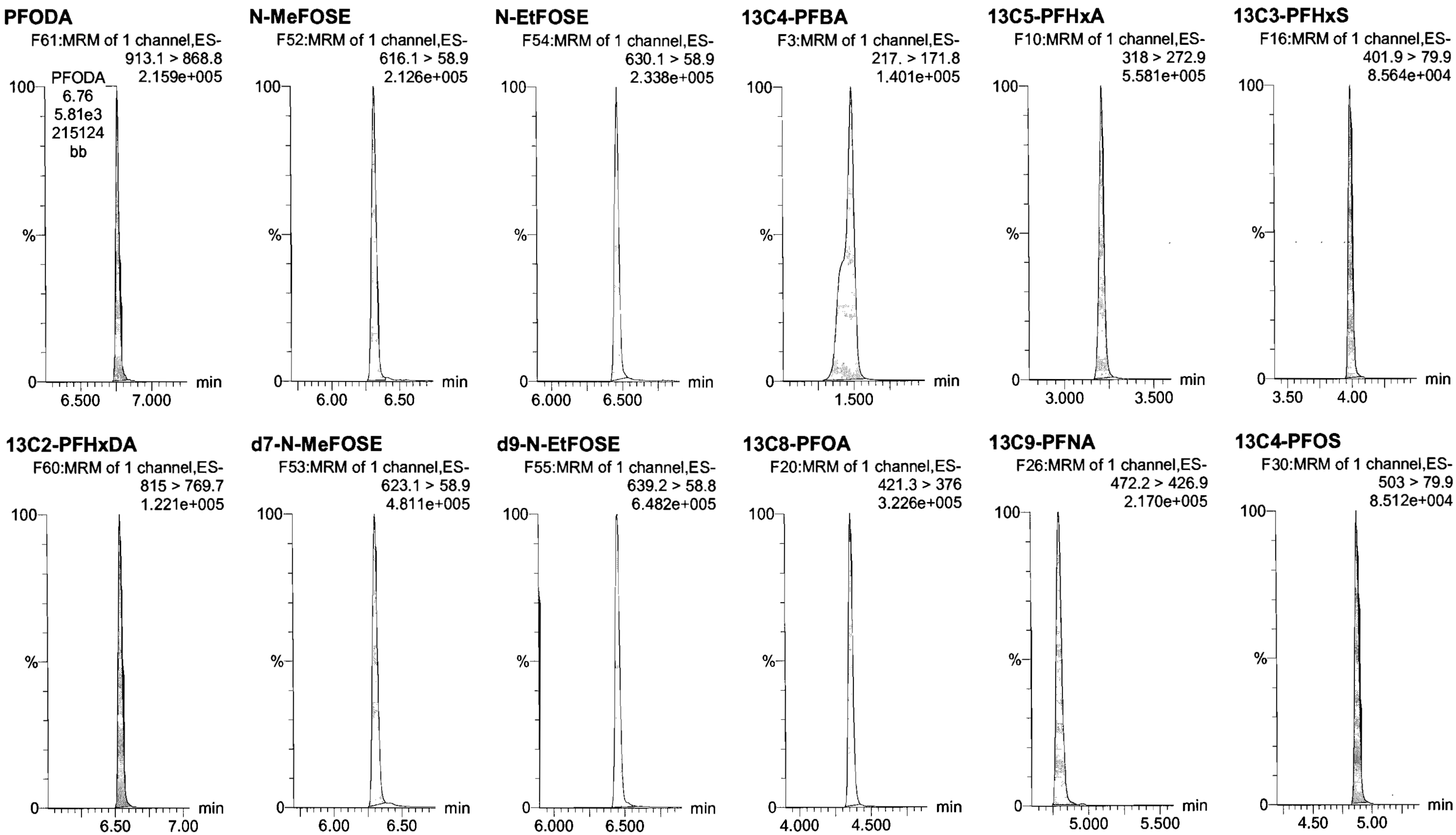

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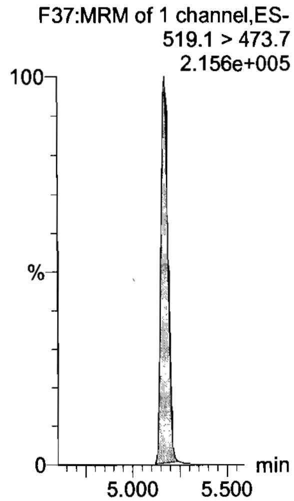
Name: 171130M2_6, Date: 01-Dec-2017, Time: 01:33:13, ID: ST171130M2-6 PFC CS3 17K2810, Description: PFC CS3 17K2810

13C6-PFDA



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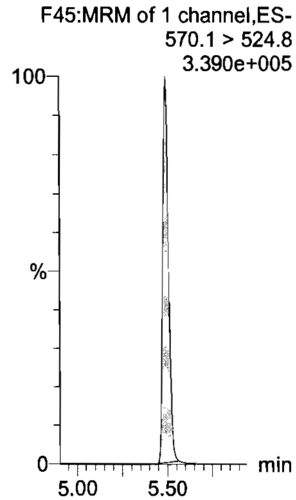

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 11:25:53 Pacific Standard Time
Printed: Friday, December 01, 2017 11:35:16 Pacific Standard Time

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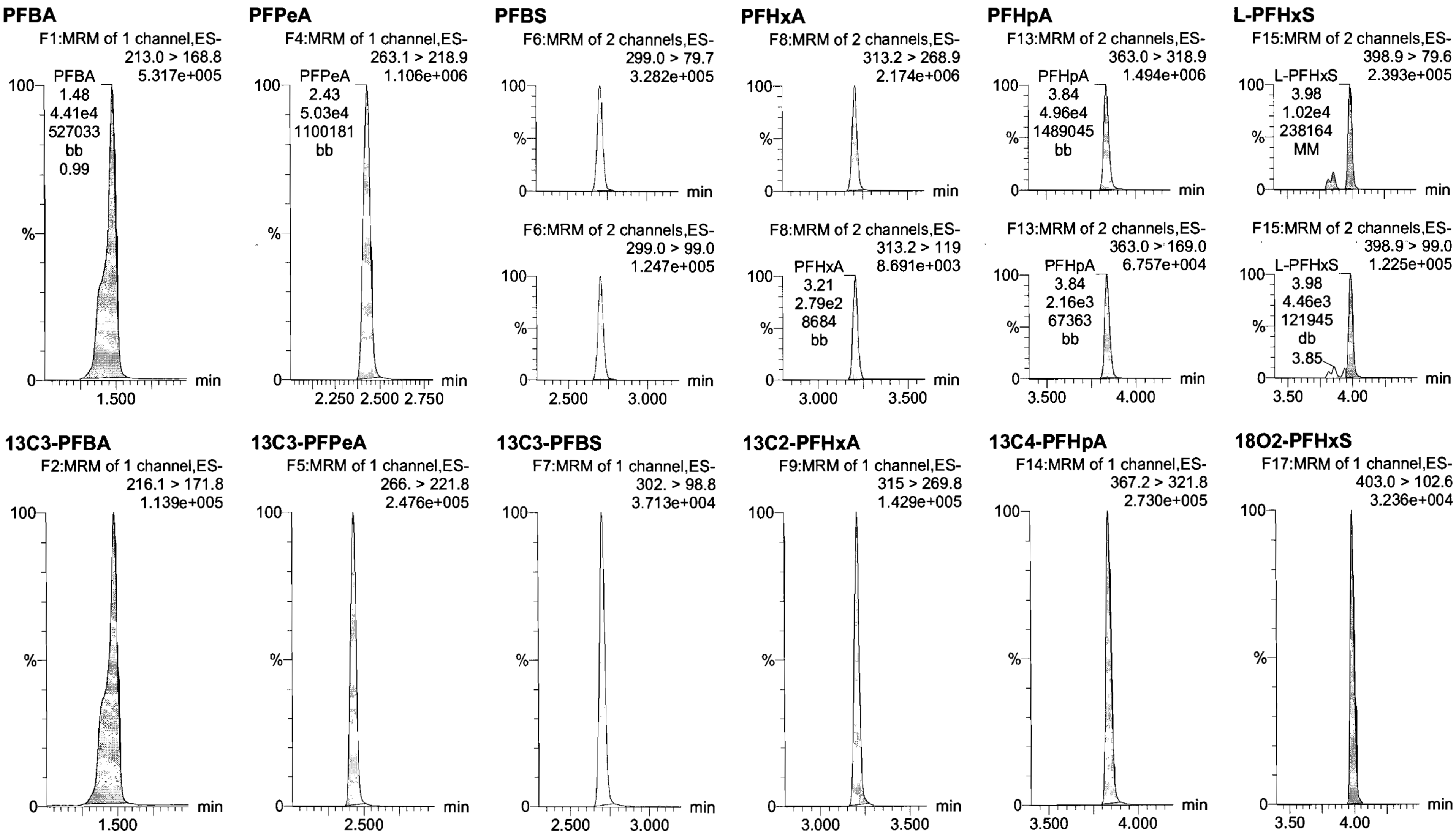
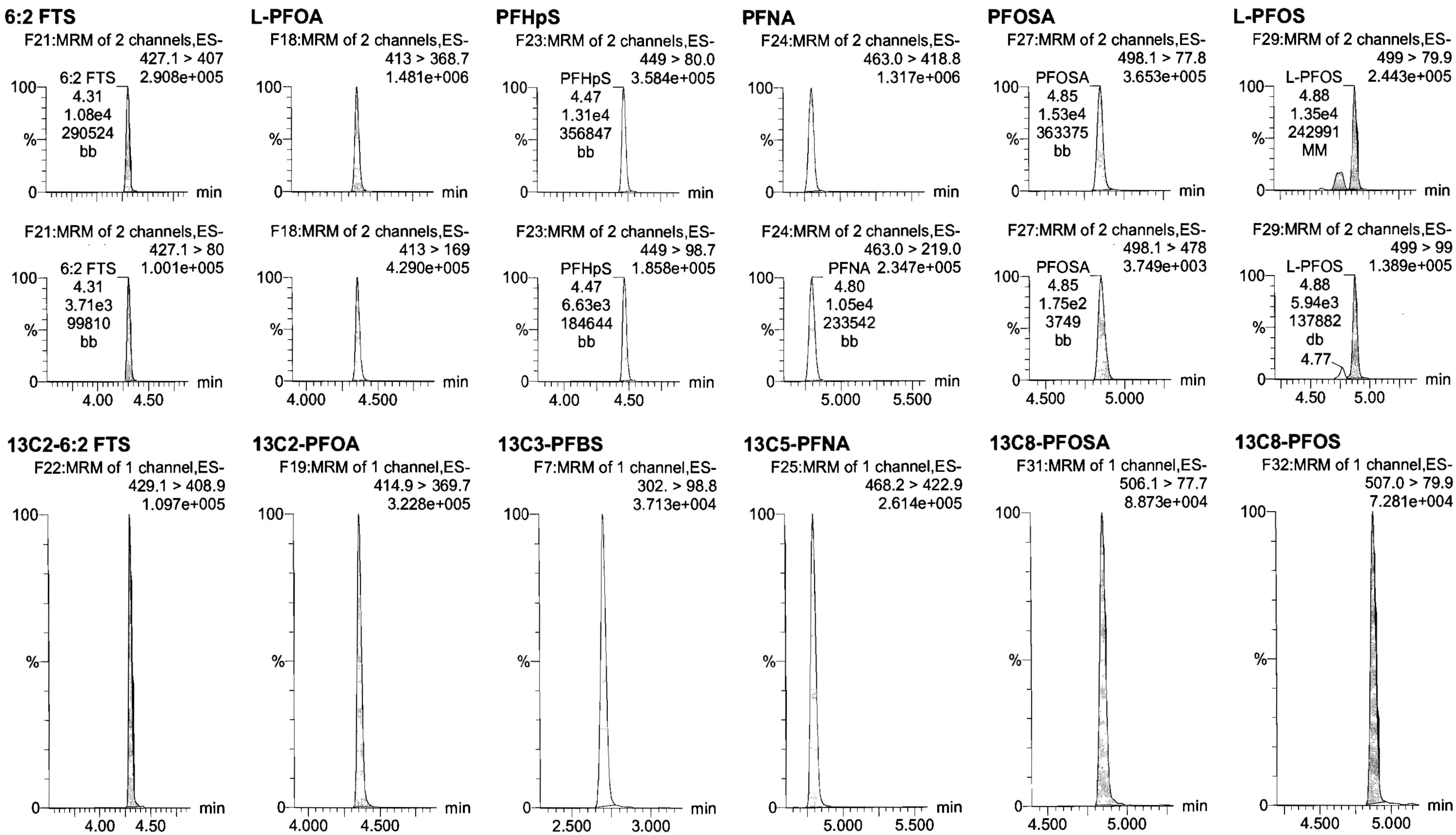


Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 11:25:53 Pacific Standard Time
Printed: Friday, December 01, 2017 11:35:16 Pacific Standard Time

Name: 171130M2_7, Date: 01-Dec-2017, Time: 01:44:24, ID: ST171130M2-7 PFC CS4 17K2811, Description: PFC CS4 17K2811



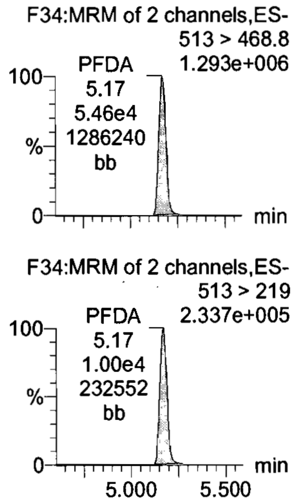
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

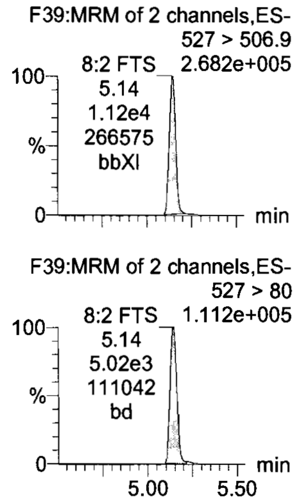
Last Altered: Friday, December 01, 2017 11:25:53 Pacific Standard Time
Printed: Friday, December 01, 2017 11:35:16 Pacific Standard Time

Name: 171130M2_7, Date: 01-Dec-2017, Time: 01:44:24, ID: ST171130M2-7 PFC CS4 17K2811, Description: PFC CS4 17K2811

PFDA



8:2 FTS



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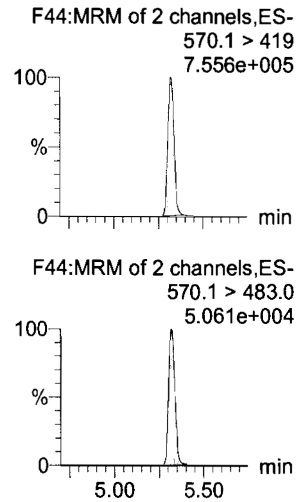

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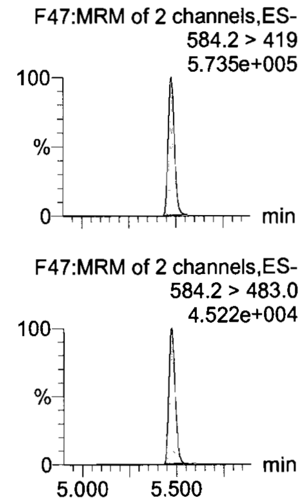

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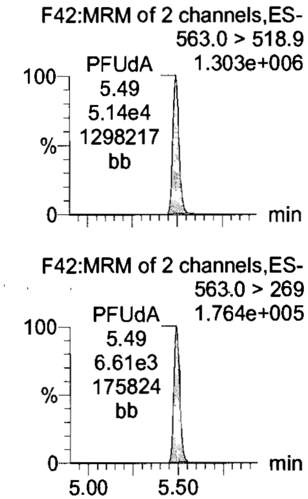

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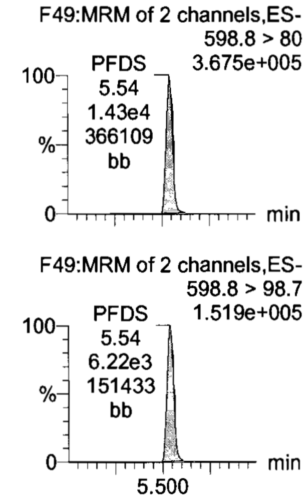
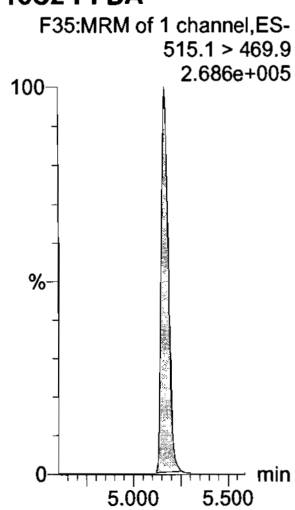
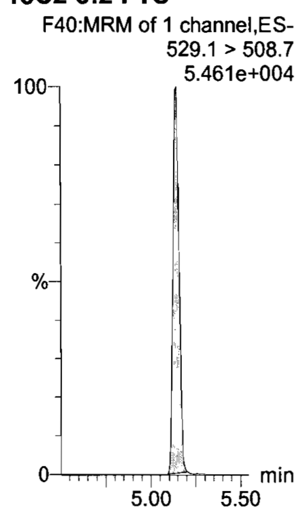


13C2-PFDA



13C2-8:2 FTS



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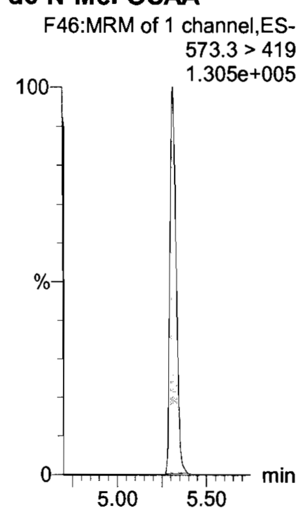

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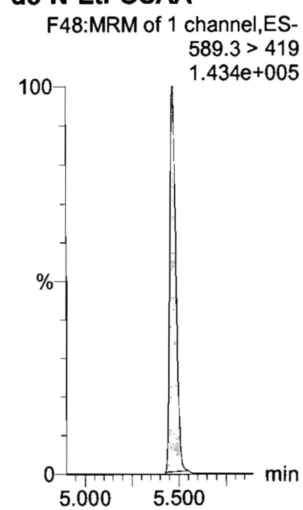

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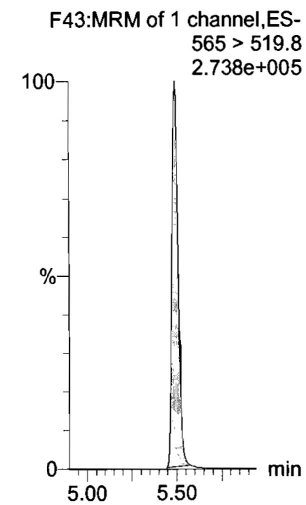

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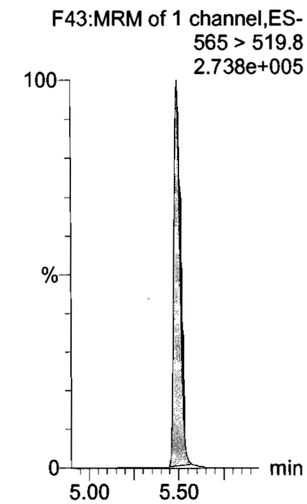

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 11:25:53 Pacific Standard Time
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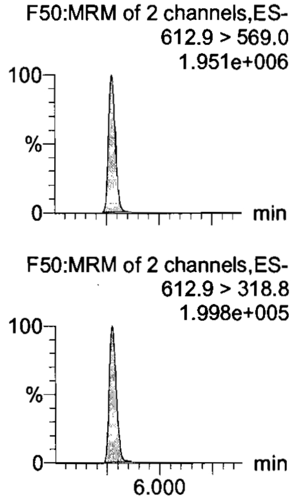
Name: 171130M2_7, Date: 01-Dec-2017, Time: 01:44:24, ID: ST171130M2-7 PFC CS4 17K2811, Description: PFC CS4 17K2811

PFDoA



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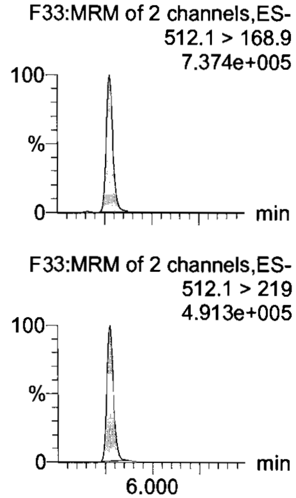
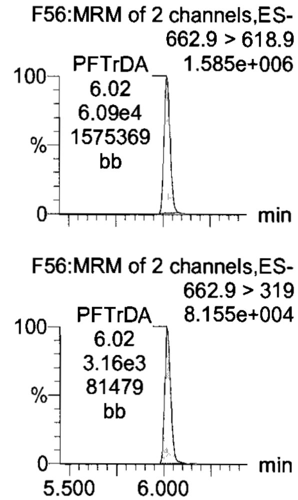
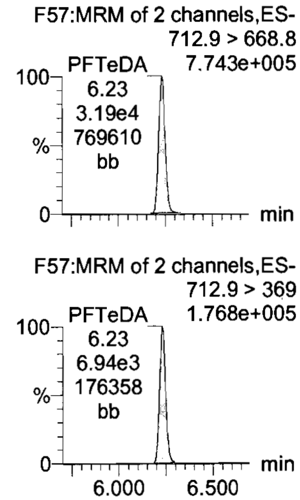


PFTrDA



PFTeDA



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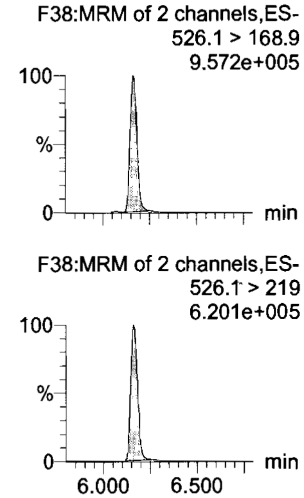
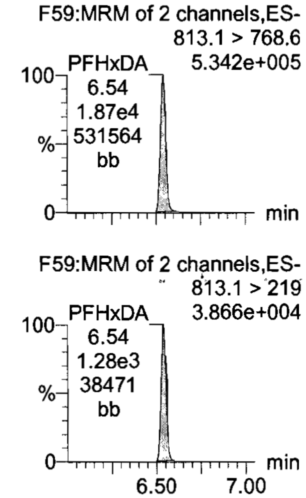


PFHxDA



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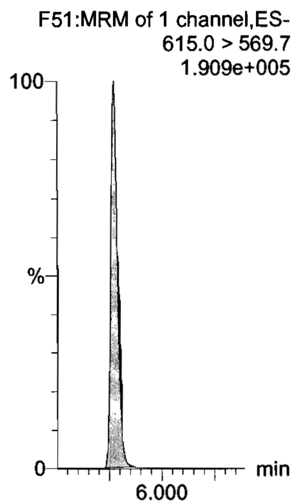

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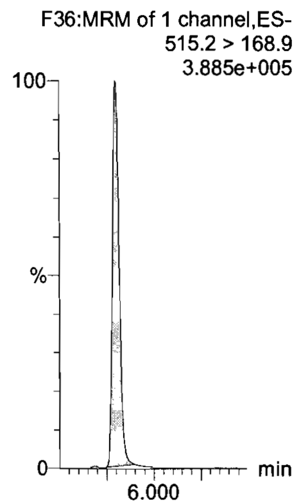

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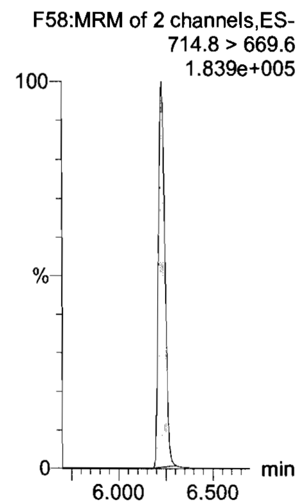

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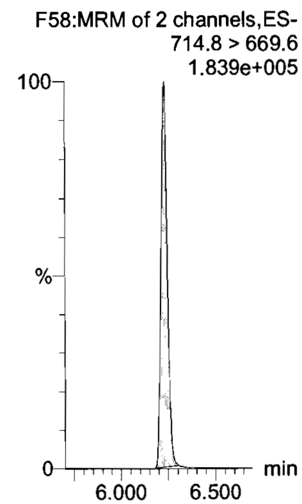

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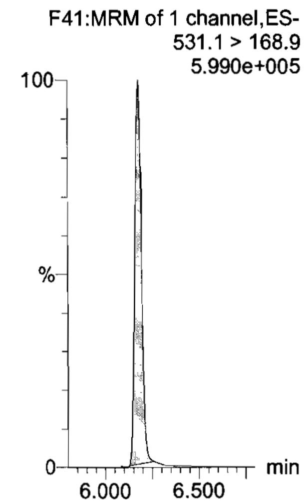

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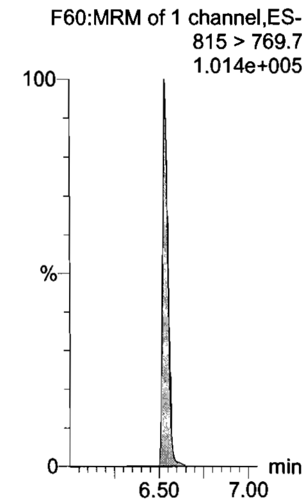

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 11:25:53 Pacific Standard Time
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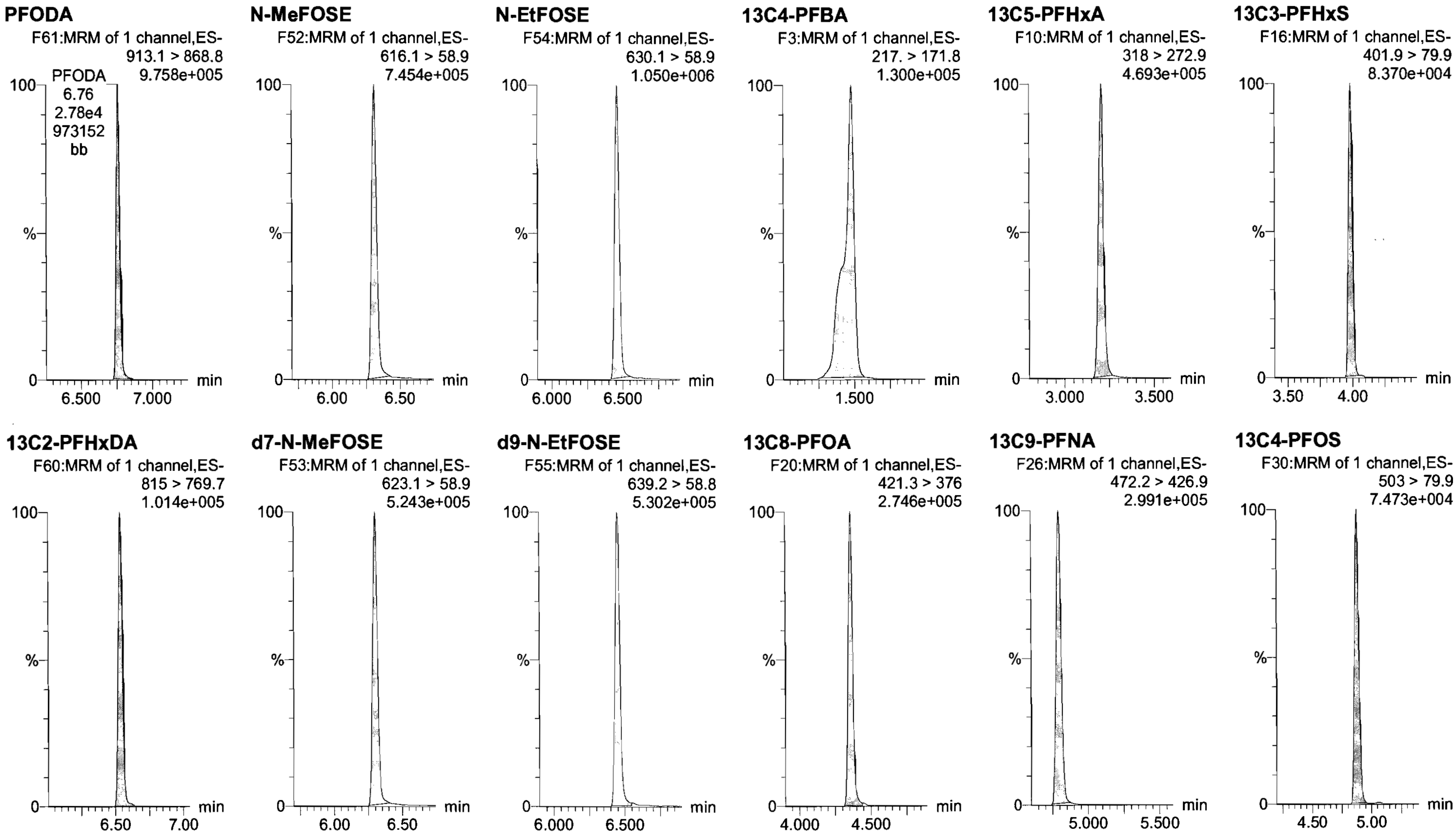
Name: 171130M2_7, Date: 01-Dec-2017, Time: 01:44:24, ID: ST171130M2-7 PFC CS4 17K2811, Description: PFC CS4 17K2811



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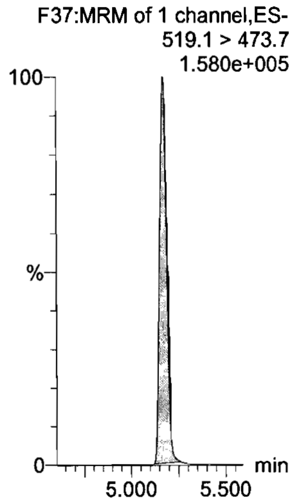
Name: 171130M2_7, Date: 01-Dec-2017, Time: 01:44:24, ID: ST171130M2-7 PFC CS4 17K2811, Description: PFC CS4 17K2811

13C6-PFDA



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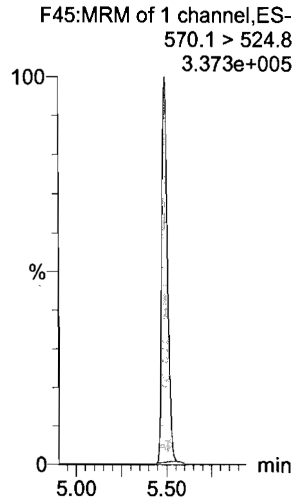

Vista Analytical Laboratory

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Last Altered: Friday, December 01, 2017 11:25:53 Pacific Standard Time
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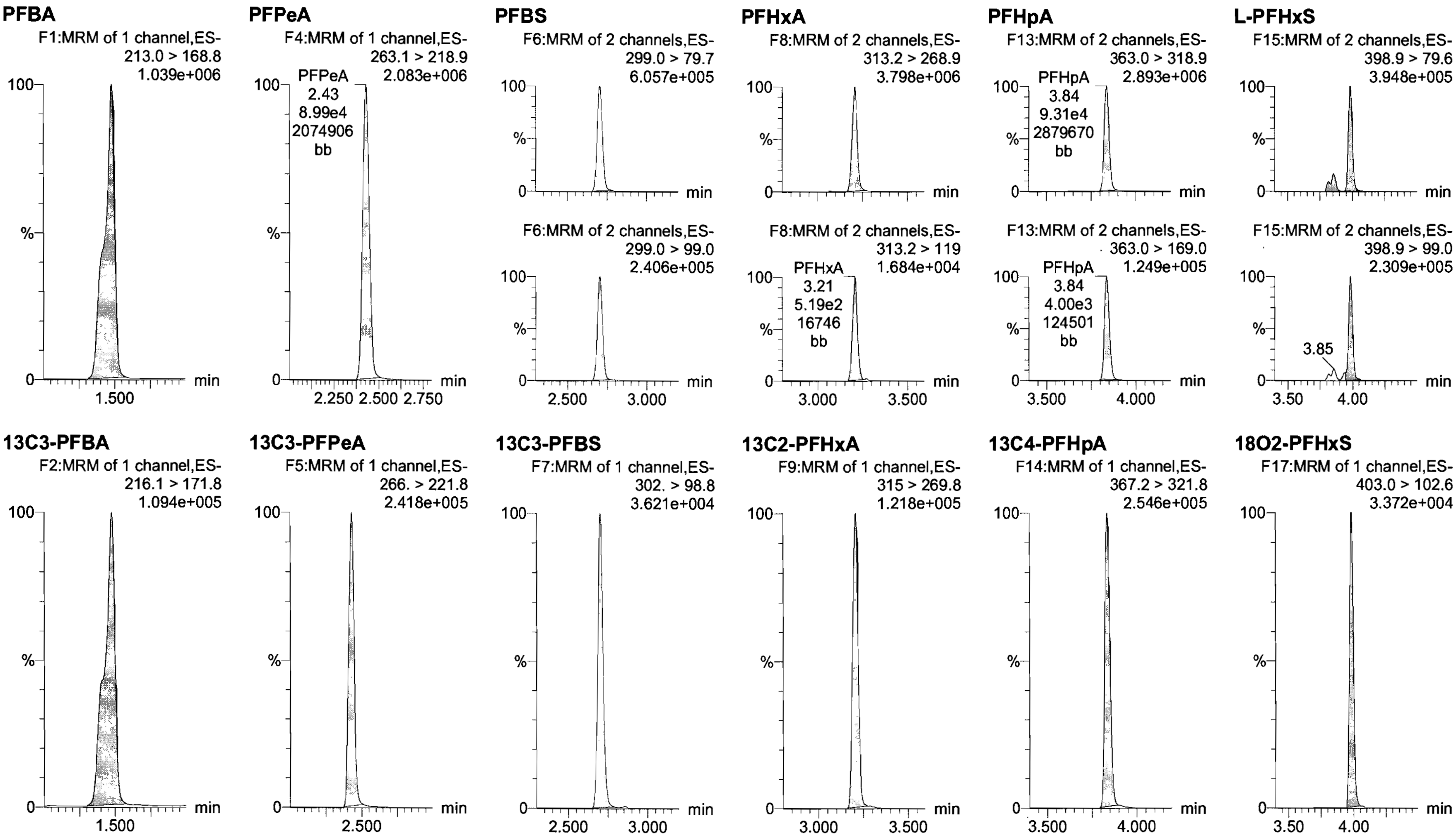

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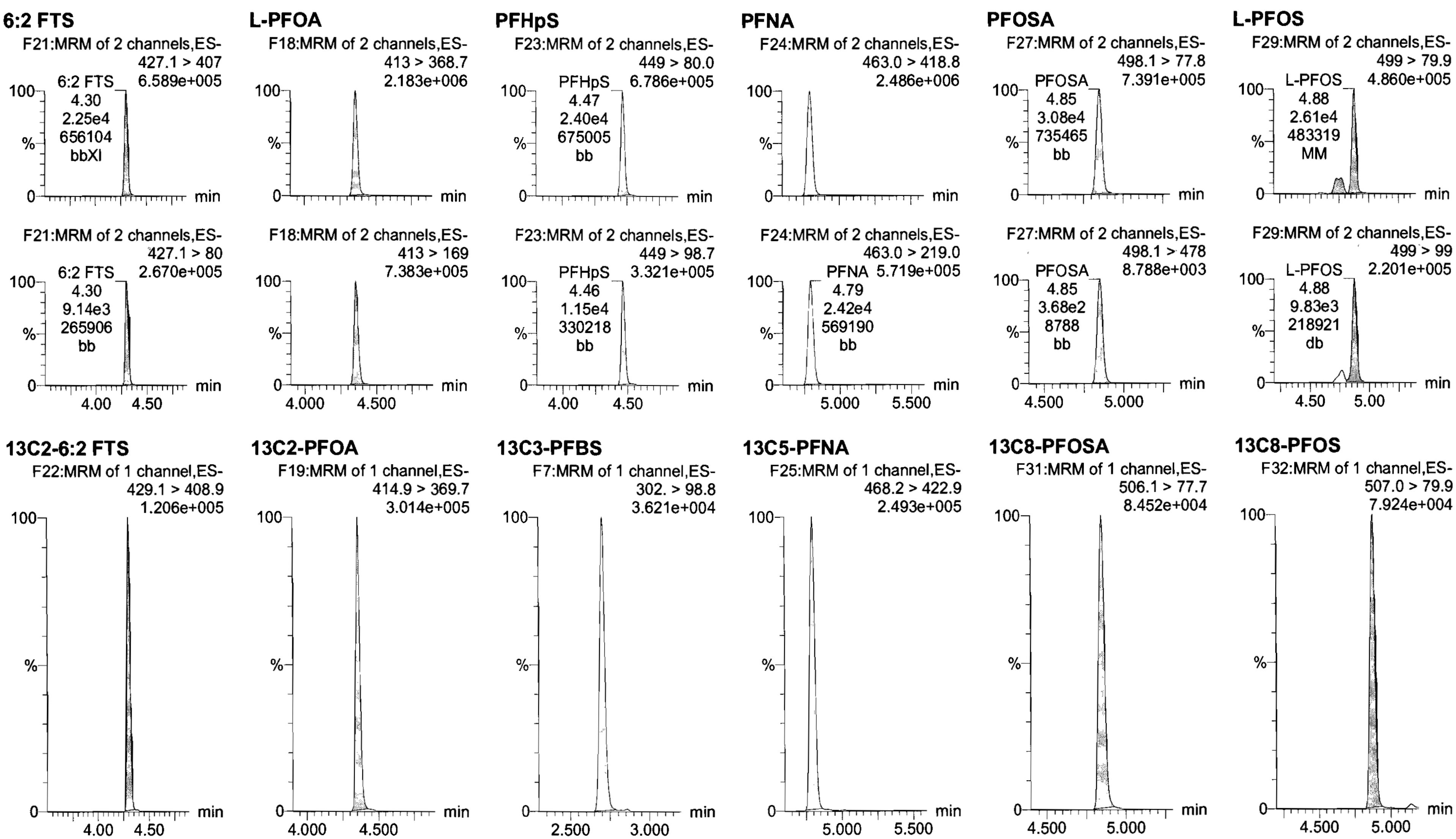
Name: 171130M2_8, Date: 01-Dec-2017, Time: 01:55:35, ID: ST171130M2-8 PFC CS5 17K2812, Description: PFC CS5 17K2812



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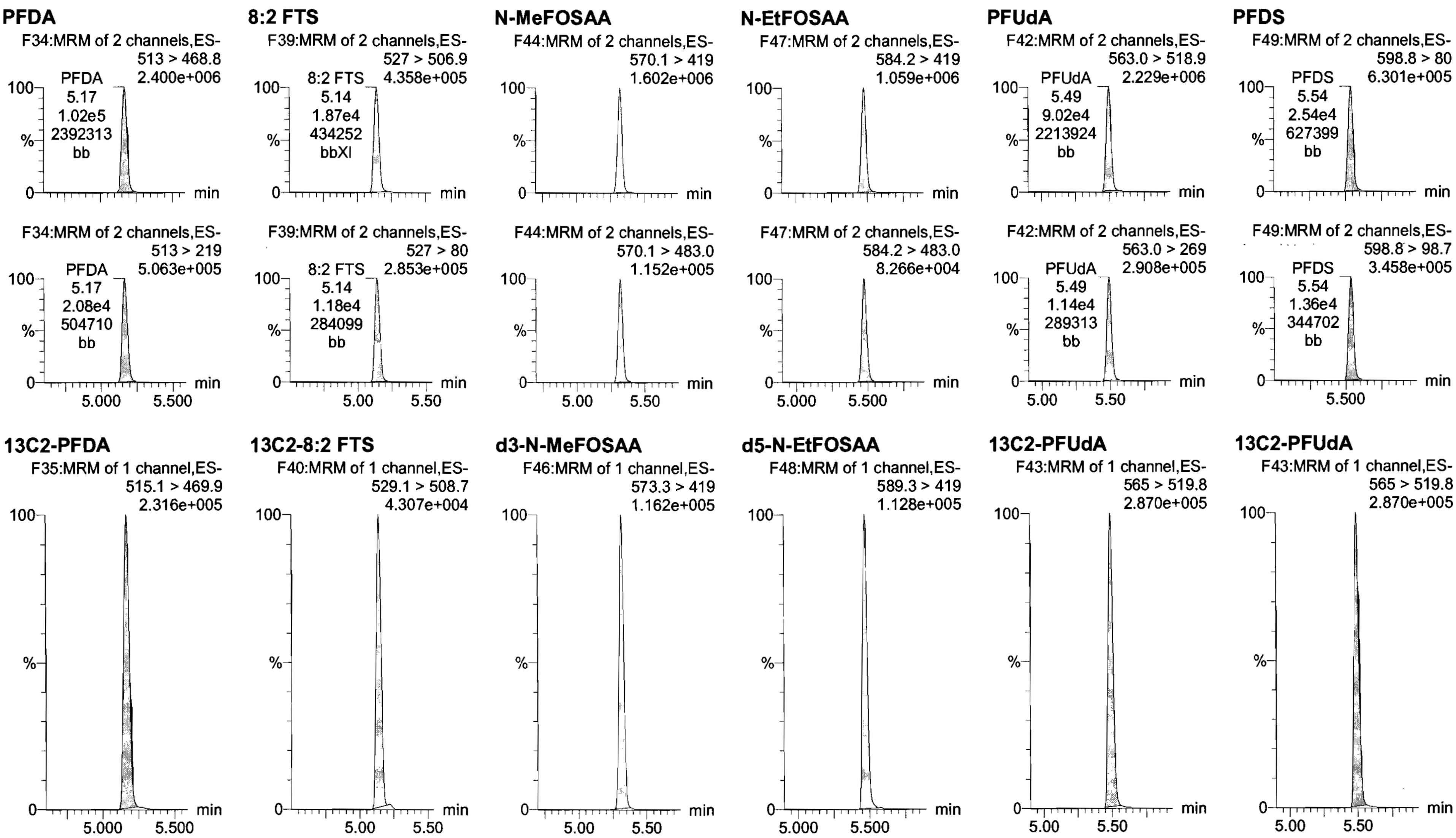

Vista Analytical Laboratory

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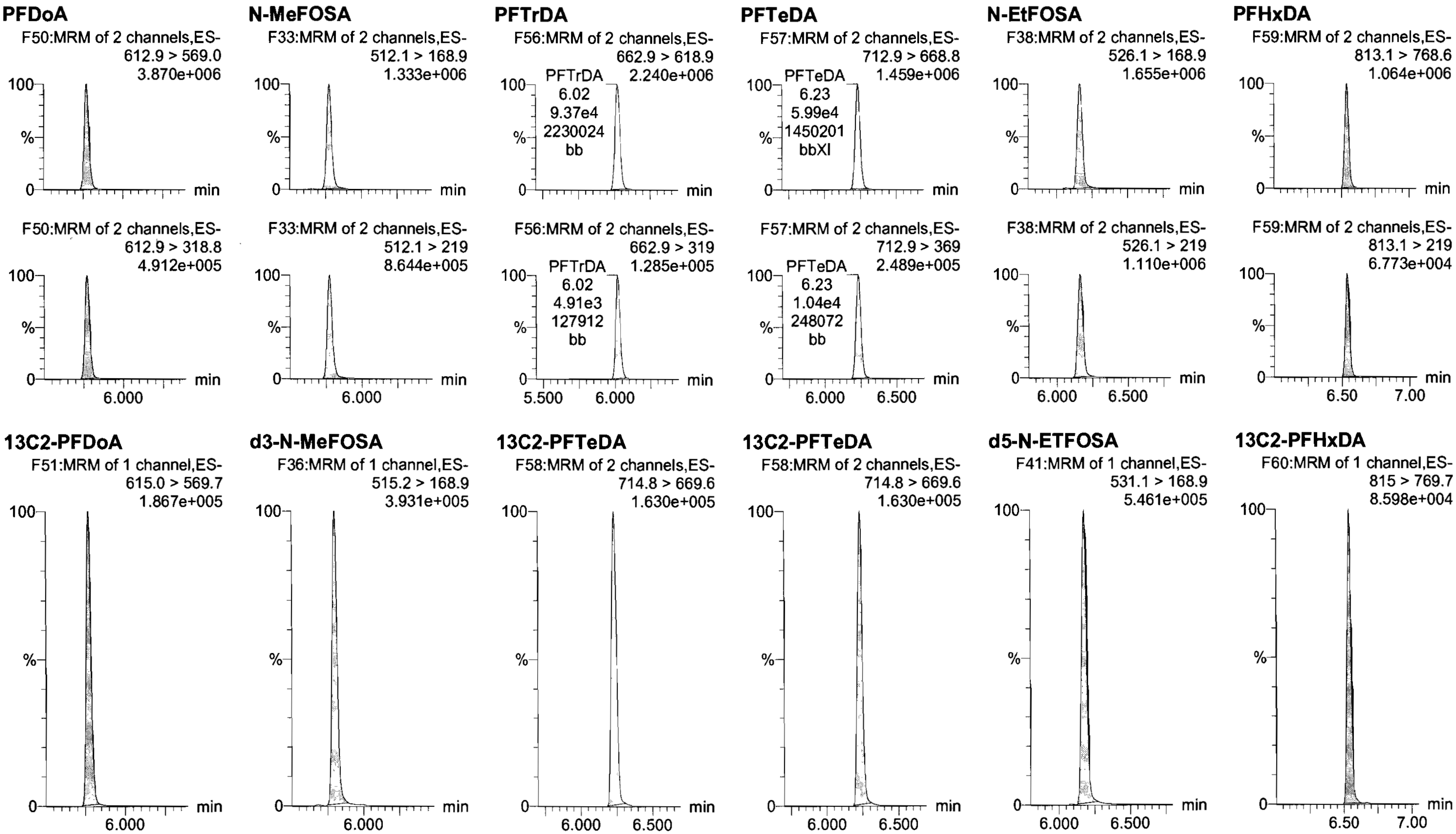

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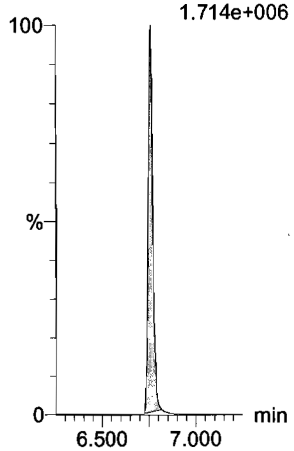
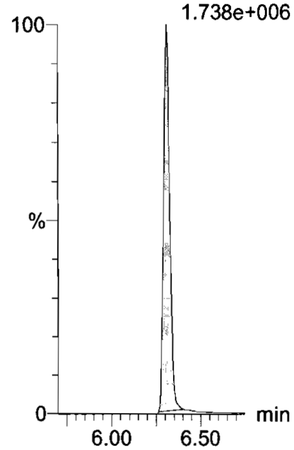
Name: 171130M2_8, Date: 01-Dec-2017, Time: 01:55:35, ID: ST171130M2-8 PFC CS5 17K2812, Description: PFC CS5 17K2812

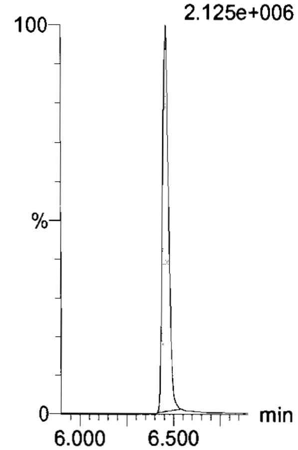
PFODA
F61:MRM of 1 channel,ES-
913.1 > 868.8
1.714e+006



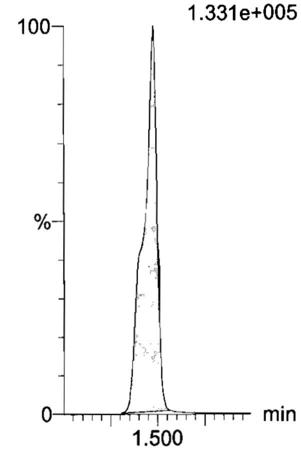
N-MeFOSE
F52:MRM of 1 channel,ES-
616.1 > 58.9
1.738e+006



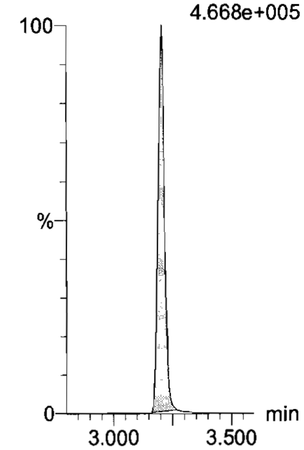
N-EtFOSE
F54:MRM of 1 channel,ES-
630.1 > 58.9
2.125e+006



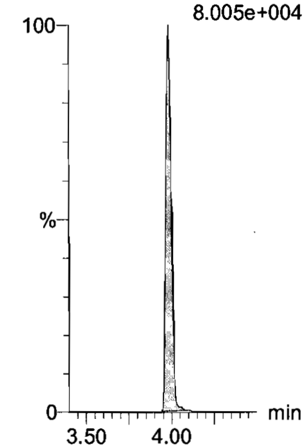
13C4-PFBA
F3:MRM of 1 channel,ES-
217. > 171.8
1.331e+005



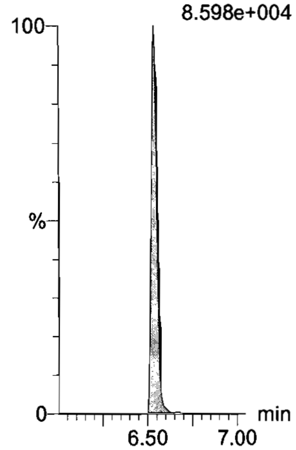
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
4.668e+005



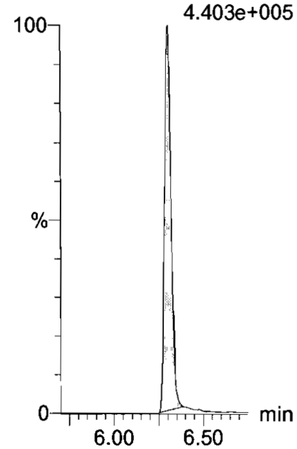
13C3-PFHxS
F16:MRM of 1 channel,ES-
401.9 > 79.9
8.005e+004



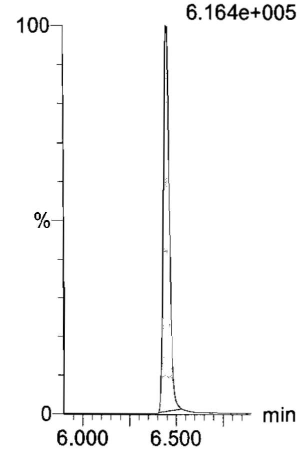
13C2-PFHxDA
F60:MRM of 1 channel,ES-
815 > 769.7
8.598e+004



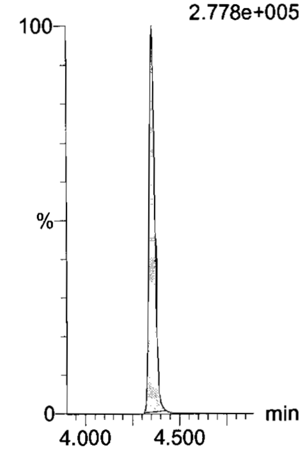
d7-N-MeFOSE
F53:MRM of 1 channel,ES-
623.1 > 58.9
4.403e+005



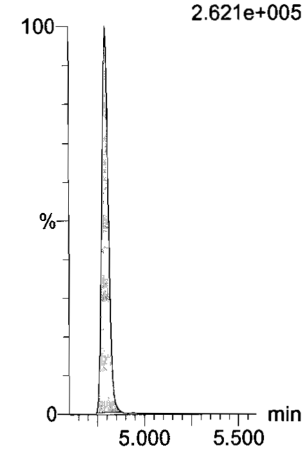
d9-N-EtFOSE
F55:MRM of 1 channel,ES-
639.2 > 58.8
6.164e+005



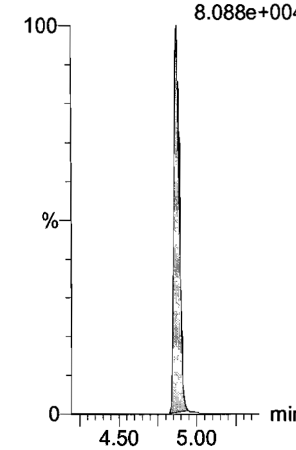
13C8-PFOA
F20:MRM of 1 channel,ES-
421.3 > 376
2.778e+005



13C9-PFNA
F26:MRM of 1 channel,ES-
472.2 > 426.9
2.621e+005



13C4-PFOS
F30:MRM of 1 channel,ES-
503 > 79.9
8.088e+004

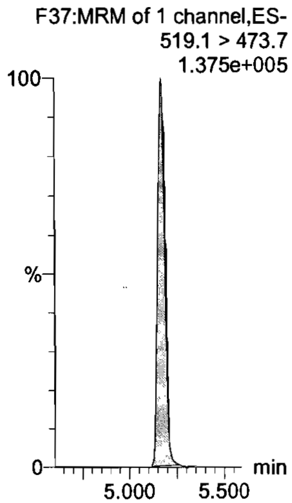


Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

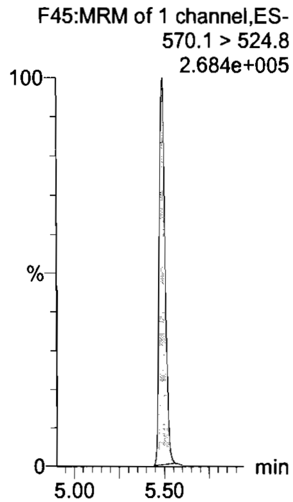
Last Altered: Friday, December 01, 2017 11:25:53 Pacific Standard Time
Printed: Friday, December 01, 2017 11:35:16 Pacific Standard Time

Name: 171130M2_8, Date: 01-Dec-2017, Time: 01:55:35, ID: ST171130M2-8 PFC CS5 17K2812, Description: PFC CS5 17K2812

13C6-PFDA



13C7-PFUdA

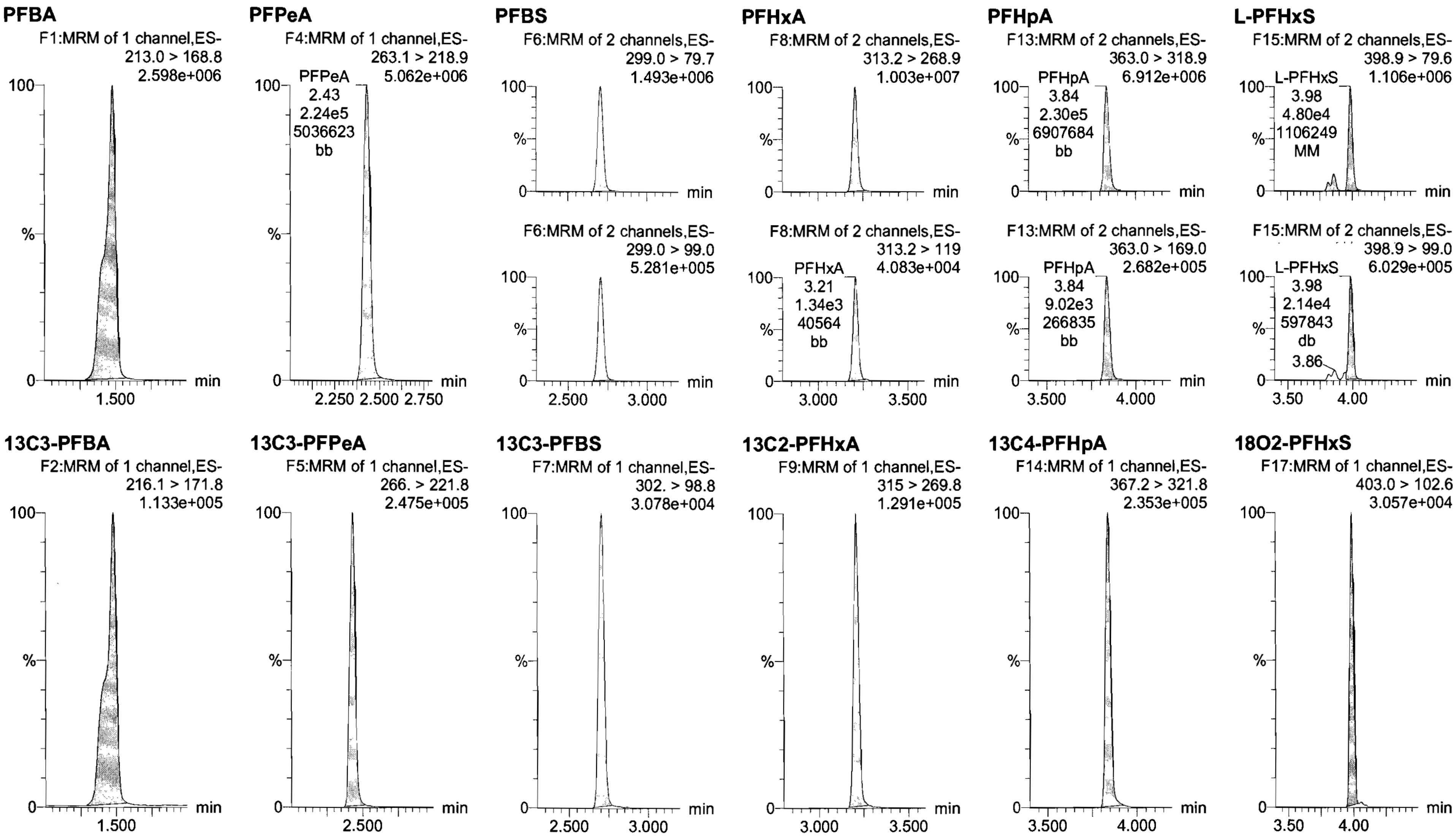


Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 11:25:53 Pacific Standard Time
Printed: Friday, December 01, 2017 11:35:16 Pacific Standard Time

Name: 171130M2_9, Date: 01-Dec-2017, Time: 02:06:46, ID: ST171130M2-9 PFC CS6 17K2817, Description: PFC CS6 17K2817



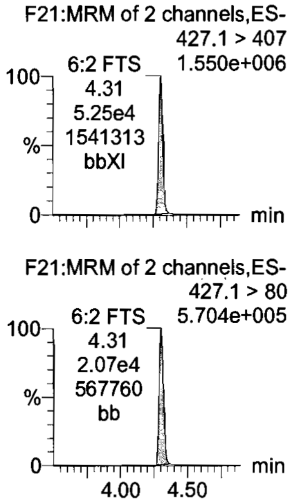
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

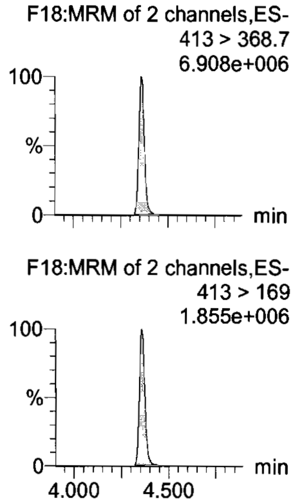
Last Altered: Friday, December 01, 2017 11:25:53 Pacific Standard Time
Printed: Friday, December 01, 2017 11:35:16 Pacific Standard Time

Name: 171130M2_9, Date: 01-Dec-2017, Time: 02:06:46, ID: ST171130M2-9 PFC CS6 17K2817, Description: PFC CS6 17K2817

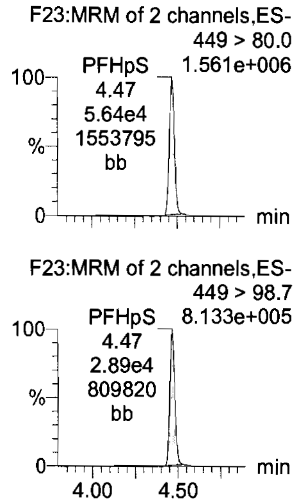
6:2 FTS



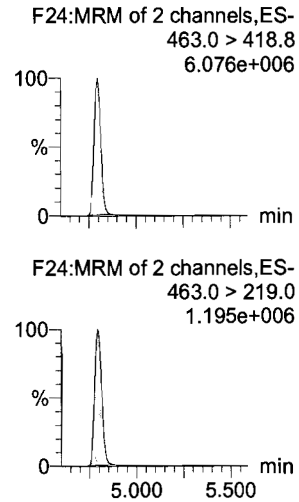
L-PFOA



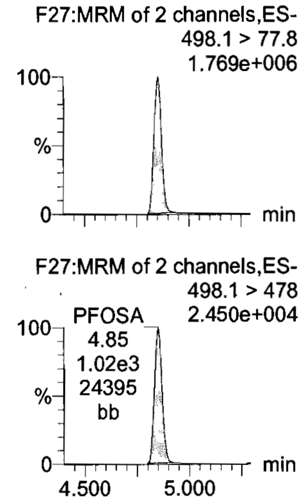
PFHpS



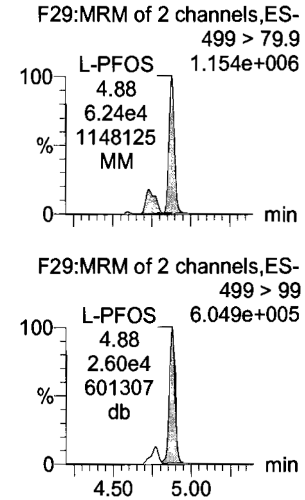
PFNA



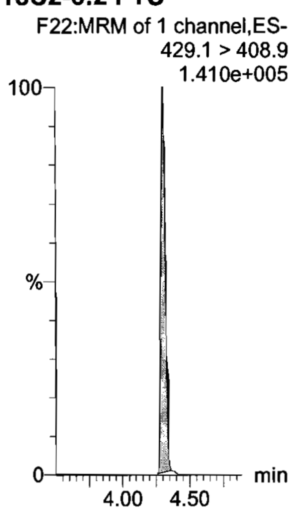
PFOSA



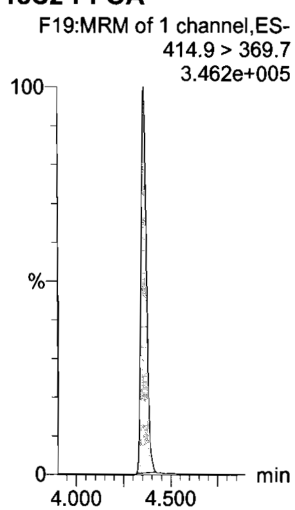
L-PFOS



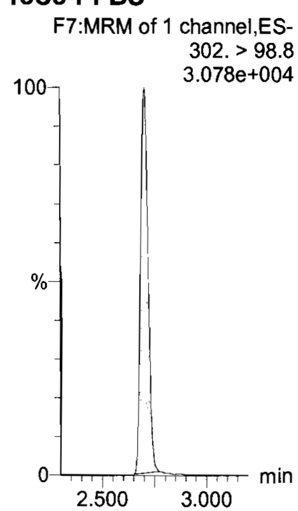
13C2-6:2 FTS



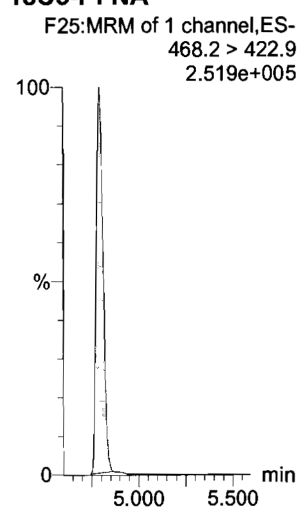
13C2-PFOA



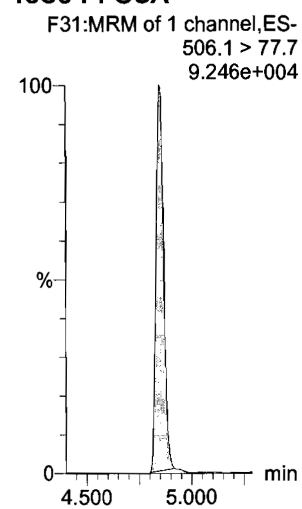
13C3-PFBS



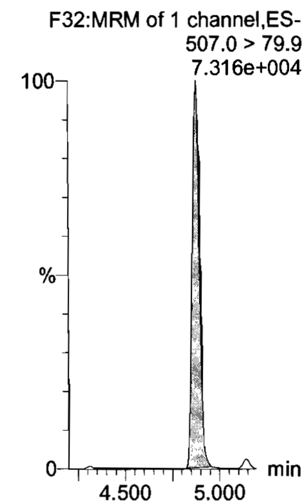
13C5-PFNA



13C8-PFOSA



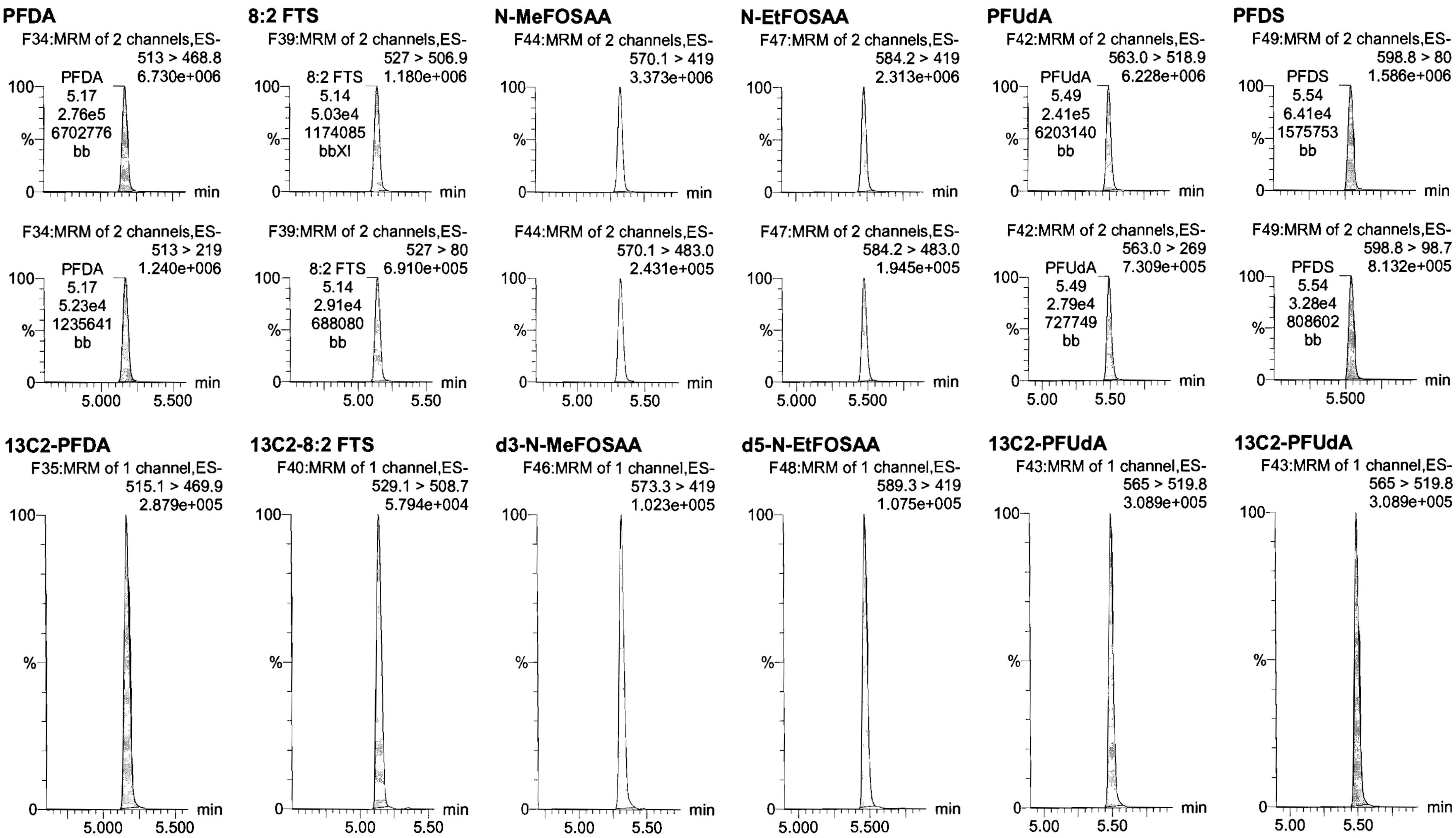
13C8-PFOS



Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 11:25:53 Pacific Standard Time
Printed: Friday, December 01, 2017 11:35:16 Pacific Standard Time

Name: 171130M2_9, Date: 01-Dec-2017, Time: 02:06:46, ID: ST171130M2-9 PFC CS6 17K2817, Description: PFC CS6 17K2817

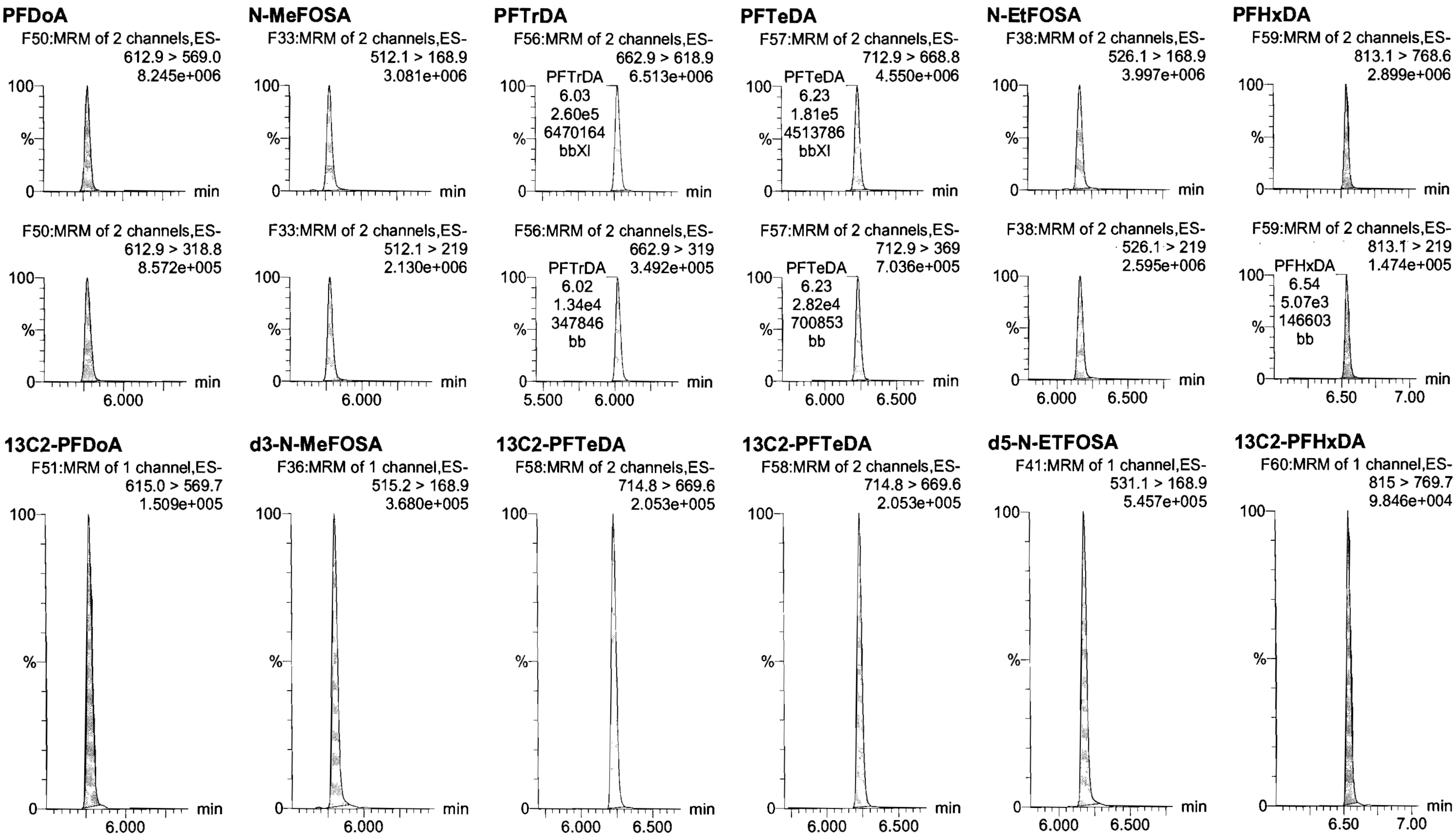


Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

Last Altered: Friday, December 01, 2017 11:25:53 Pacific Standard Time
Printed: Friday, December 01, 2017 11:35:16 Pacific Standard Time

Name: 171130M2_9, Date: 01-Dec-2017, Time: 02:06:46, ID: ST171130M2-9 PFC CS6 17K2817, Description: PFC CS6 17K2817



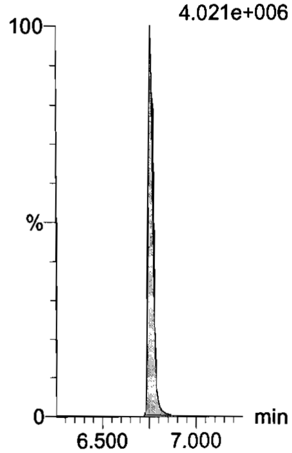
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

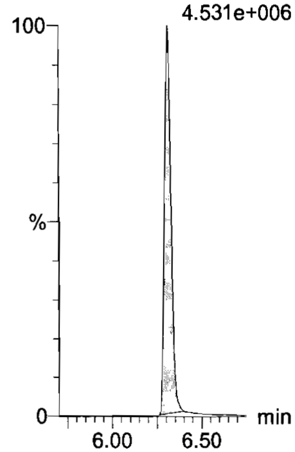
Last Altered: Friday, December 01, 2017 11:25:53 Pacific Standard Time
Printed: Friday, December 01, 2017 11:35:16 Pacific Standard Time

Name: 171130M2_9, Date: 01-Dec-2017, Time: 02:06:46, ID: ST171130M2-9 PFC CS6 17K2817, Description: PFC CS6 17K2817

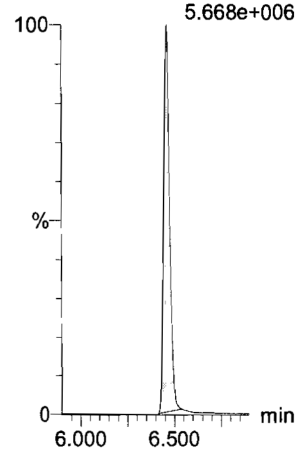
PFODA
F61:MRM of 1 channel,ES-
913.1 > 868.8
4.021e+006



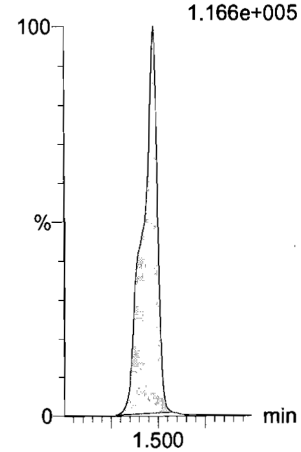
N-MeFOSE
F52:MRM of 1 channel,ES-
616.1 > 58.9
4.531e+006



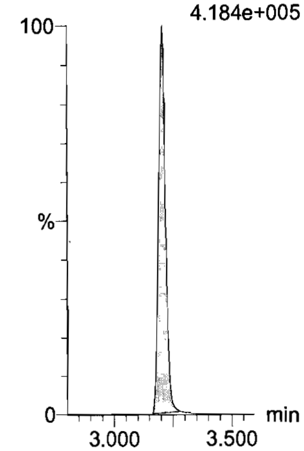
N-EtFOSE
F54:MRM of 1 channel,ES-
630.1 > 58.9
5.668e+006



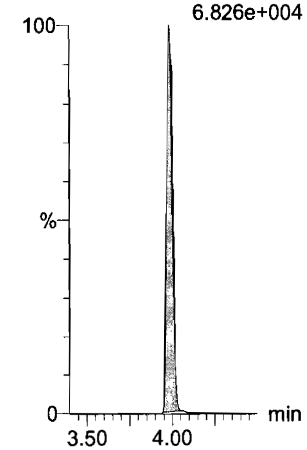
13C4-PFBA
F3:MRM of 1 channel,ES-
217. > 171.8
1.166e+005



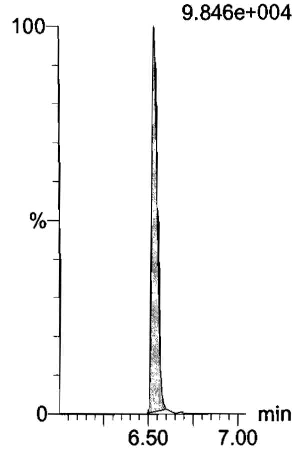
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
4.184e+005



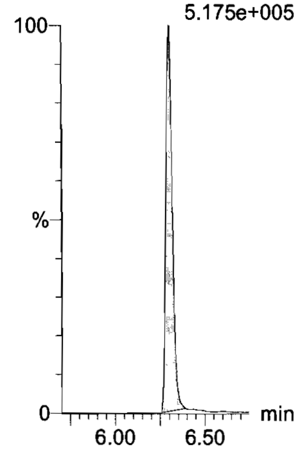
13C3-PFHxS
F16:MRM of 1 channel,ES-
401.9 > 79.9
6.826e+004



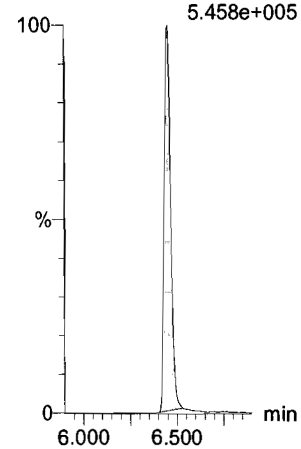
13C2-PFHxDA
F60:MRM of 1 channel,ES-
815 > 769.7
9.846e+004



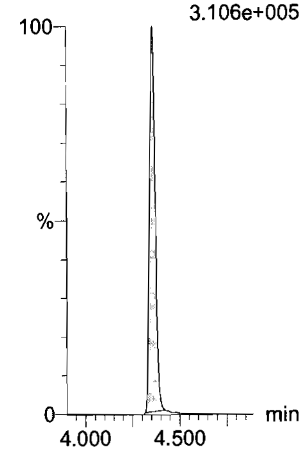
d7-N-MeFOSE
F53:MRM of 1 channel,ES-
623.1 > 58.9
5.175e+005



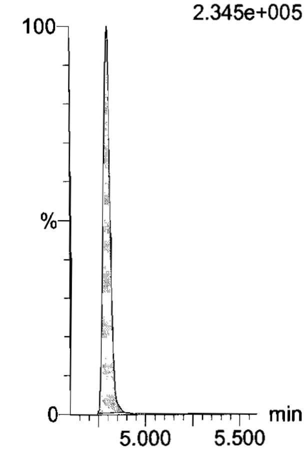
d9-N-EtFOSE
F55:MRM of 1 channel,ES-
639.2 > 58.8
5.458e+005



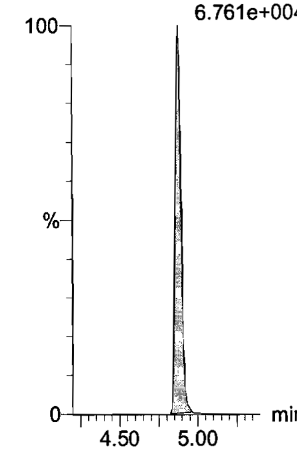
13C8-PFOA
F20:MRM of 1 channel,ES-
421.3 > 376
3.106e+005



13C9-PFNA
F26:MRM of 1 channel,ES-
472.2 > 426.9
2.345e+005



13C4-PFOS
F30:MRM of 1 channel,ES-
503 > 79.9
6.761e+004

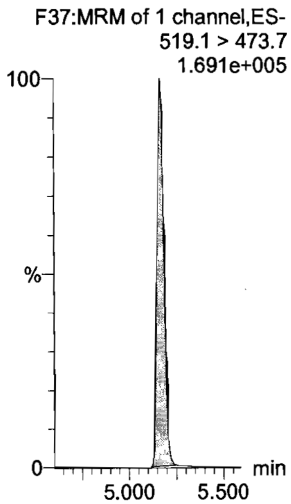


Dataset: U:\Q4.PRO\results\171130M2\171130M2-CRV.qld

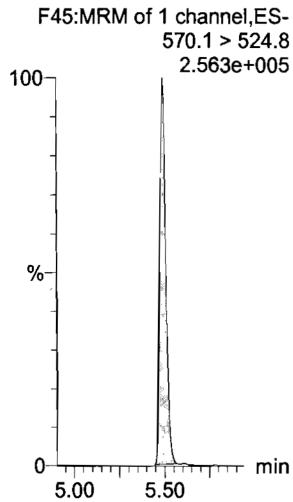
Last Altered: Friday, December 01, 2017 11:25:53 Pacific Standard Time
Printed: Friday, December 01, 2017 11:35:16 Pacific Standard Time

Name: 171130M2_9, Date: 01-Dec-2017, Time: 02:06:46, ID: ST171130M2-9 PFC CS6 17K2817, Description: PFC CS6 17K2817

13C6-PFDA



13C7-PFUdA



Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M2\171130M2-12.qld

Last Altered: Friday, December 01, 2017 12:39:18 Pacific Standard Time
Printed: Friday, December 01, 2017 12:40:55 Pacific Standard Time

A No second source available.
B 8:2 FTS > 130% in ICV.

DC 12/1/17
VJA 12/01/2017

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_113017.mdb 01 Dec 2017 12:18:40
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-30-17_FULL.cdb 01 Dec 2017 12:39:18

Name: 171130M2_12, Date: 01-Dec-2017, Time: 02:40:26, ID: ICV171130M2-1 PFC ICV 17K3001, Description: PFC ICV 17K3001

	# Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1 PFBA	213.0 > 168.8	8.80e3	9.60e3	1.0000		1.66	1.48	11.4	9.928	99.3 70-130
2	2 PFPeA	263.1 > 218.9	9.71e3	1.08e4	1.0000		2.63	2.43	11.2	10.623	106.2
3	3 PFBS	299.0 > 79.7	2.24e3	1.42e3	1.0000		2.90	2.71	19.7	8.542	85.4
4	4 PFHxA	313.2 > 268.9	1.39e4	4.58e3	1.0000		3.40	3.21	15.2	10.132	101.3
5	5 PFHpA	363.0 > 318.9	1.08e4	9.33e3	1.0000		4.03	3.84	14.5	10.054	100.5
6	6 L-PFHxS	398.9 > 79.6	1.86e3	1.08e3	1.0000		4.19	3.99	21.4	9.764	97.6
7	8 6:2 FTS	427.1 > 407	2.47e3	2.81e3	1.0000		4.49	4.31	11.0	10.051	100.5
8	9 L-PFOA	413 > 368.7	8.34e3	1.11e4	1.0000		4.26	4.36	9.38	9.219	92.2
9	11 PFHpS	449 > 80.0	2.72e3	1.11e4	1.0000		4.65	4.47	3.06	10.166	101.7
10	12 PFNA	463.0 > 418.8	1.19e4	9.99e3	1.0000		5.00	4.80	14.9	11.587	115.9
11	13 PFOSA	498.1 > 77.8	3.30e3	3.76e3	1.0000		5.02	4.85	11.0	11.024	110.2
12	14 L-PFOS	499 > 79.9	2.23e3	3.58e3	1.0000		5.08	4.88	7.77	7.739	77.4
13	16 PFDA	513 > 468.8	1.13e4	1.13e4	1.0000		5.34	5.17	12.4	10.061	100.6
14	17 8:2 FTS	527 > 506.9	3.01e3	1.13e4	1.0000		5.35	5.14	3.33	13.600	B 136.0
15	18 N-MeFOSAA	570.1 > 419	6.70e3	4.93e3	1.0000		5.49	5.32	17.0	10.432	104.3
16	19 N-EtFOSAA	584.2 > 419	4.68e3	4.85e3	1.0000		5.64	5.47	12.1	10.579	105.8
17	20 PFUdA	563.0 > 518.9	1.20e4	1.32e4	1.0000		5.66	5.49	11.4	10.626	106.3
18	21 PFDS	598.8 > 80	2.66e3	1.32e4	1.0000		5.73	5.54	2.52	8.372	83.7
19	22 PFDoA	612.9 > 569.0	1.40e4	7.32e3	1.0000		5.94	5.77	23.9	9.132	91.3
20	23 N-MeFOSA	512.1 > 168.9		1.59e4	1.0000		5.85				A
21	24 PFTrDA	662.9 > 618.9	1.10e4	7.32e3	1.0000		6.18	6.02	18.8	7.362	73.6
22	25 PFTeDA	712.9 > 668.8	8.05e3	7.59e3	1.0000		6.37	6.23	13.3	8.752	87.5
23	26 N-EtFOSA	526.1 > 168.9		2.41e4	1.0000		6.21				A
24	27 PFHxDA	813.1 > 768.6		3.65e3	1.0000		6.66				
25	28 PFODA	913.1 > 868.8		3.65e3	1.0000		6.87				
26	29 N-MeFOSE	616.1 > 58.9		2.33e4	1.0000		6.30				
27	30 N-EtFOSE	630.1 > 58.9		2.39e4	1.0000		6.42				
28	31 13C3-PFBA	216.1 > 171.8	9.60e3	1.16e4	1.0000	0.870	1.66	1.48	10.3	11.891	95.1
29	32 13C3-PFPeA	266. > 221.8	1.08e4	1.68e4	1.0000	0.733	2.63	2.43	8.06	10.989	87.9
30	33 13C3-PFBS	302. > 98.8	1.42e3	1.68e4	1.0000	0.092	2.90	2.70	1.05	11.495	92.0
31	34 13C2-PFHxA	315 > 269.8	4.58e3	1.68e4	1.0000	0.738	3.40	3.21	3.40	4.610	92.2

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M2\171130M2-12.qld

Last Altered: Friday, December 01, 2017 12:39:18 Pacific Standard Time
Printed: Friday, December 01, 2017 12:40:55 Pacific Standard Time

Name: 171130M2_12, Date: 01-Dec-2017, Time: 02:40:26, ID: ICV171130M2-1 PFC ICV 17K3001, Description: PFC ICV 17K3001

	#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	35	13C4-PFHpA	367.2 > 321.8	9.33e3	1.68e4	1.0000	0.564	4.03	3.84	6.93	12.280	98.2
33	36	18O2-PFHxS	403.0 > 102.6	1.08e3	2.84e3	1.0000	0.407	4.17	3.98	4.77	11.721	93.8
34	37	13C2-6:2 FTS	429.1 > 408.9	2.81e3	1.18e4	1.0000	0.265	4.49	4.31	2.97	11.241	89.9
35	38	13C2-PFOA	414.9 > 369.7	1.11e4	1.18e4	1.0000	1.026	4.54	4.36	11.8	11.471	91.8
36	39	13C5-PFNA	468.2 > 422.9	9.99e3	1.36e4	1.0000	0.942	4.97	4.79	9.17	9.739	77.9
37	40	13C8-PFOSA	506.1 > 77.7	3.76e3	1.24e4	1.0000	0.360	5.02	4.85	3.80	10.563	84.5
38	41	13C8-PFOS	507.0 > 79.9	3.58e3	3.55e3	1.0000	1.023	5.05	4.88	12.6	12.336	98.7
39	42	13C2-PFDA	515.1 > 469.9	1.13e4	8.34e3	1.0000	1.569	5.34	5.17	16.9	10.804	86.4
40	43	13C2-8:2 FTS	529.1 > 508.7	1.62e3	1.68e4	1.0000	0.082	5.32	5.14	1.21	14.751	118.0
41	44	d3-N-MeFOSAA	573.3 > 419	4.93e3	1.24e4	1.0000	0.428	5.49	5.32	4.98	11.633	93.1
42	45	d5-N-EtFOSAA	589.3 > 419	4.85e3	1.24e4	1.0000	0.434	5.64	5.47	4.90	11.301	90.4
43	46	13C2-PFUdA	565 > 519.8	1.32e4	1.24e4	1.0000	1.126	5.66	5.49	13.3	11.845	94.8
44	47	13C2-PFDoA	615.0 > 569.7	7.32e3	1.24e4	1.0000	0.577	5.94	5.77	7.40	12.832	102.7
45	48	d3-N-MeFOSA	515.2 > 168.9	1.59e4	1.24e4	1.0000	0.121	5.85	5.80	16.0	132.570	88.4
46	49	13C2-PFTeDA	714.8 > 669.6	7.59e3	1.24e4	1.0000	0.654	6.37	6.23	7.67	11.725	93.8
47	50	d5-N-ETFOSA	531.1 > 168.9	2.41e4	1.24e4	1.0000	0.183	6.21	6.18	24.4	132.920	88.6
48	51	13C2-PFHxDA	815 > 769.7	3.65e3	1.24e4	1.0000	0.794	6.66	6.54	3.69	4.643	92.9
49	52	d7-N-MeFOSE	623.1 > 58.9	2.33e4	1.24e4	1.0000	0.163	6.30	6.30	23.5	143.864	95.9
50	53	d9-N-EtFOSE	639.2 > 58.8	2.39e4	1.24e4	1.0000	0.166	6.42	6.45	24.2	145.297	96.9
51	54	13C4-PFBA	217. > 171.8	1.16e4	1.16e4	1.0000	1.000	1.66	1.48	12.5	12.500	100.0
52	55	13C5-PFHxA	318 > 272.9	1.68e4	1.68e4	1.0000	1.000	3.40	3.21	12.5	12.500	100.0
53	56	13C3-PFHxS	401.9 > 79.9	2.84e3	2.84e3	1.0000	1.000	4.17	3.98	12.5	12.500	100.0
54	57	13C8-PFOA	421.3 > 376	1.18e4	1.18e4	1.0000	1.000	4.54	4.36	12.5	12.500	100.0
55	58	13C9-PFNA	472.2 > 426.9	1.36e4	1.36e4	1.0000	1.000	4.97	4.79	12.5	12.500	100.0
56	59	13C4-PFOS	503 > 79.9	3.55e3	3.55e3	1.0000	1.000	5.05	4.88	12.5	12.500	100.0
57	60	13C6-PFDA	519.1 > 473.7	8.34e3	8.34e3	1.0000	1.000	5.34	5.17	12.5	12.500	100.0
58	61	13C7-PFUdA	570.1 > 524.8	1.24e4	1.24e4	1.0000	1.000	5.66	5.49	12.5	12.500	100.0

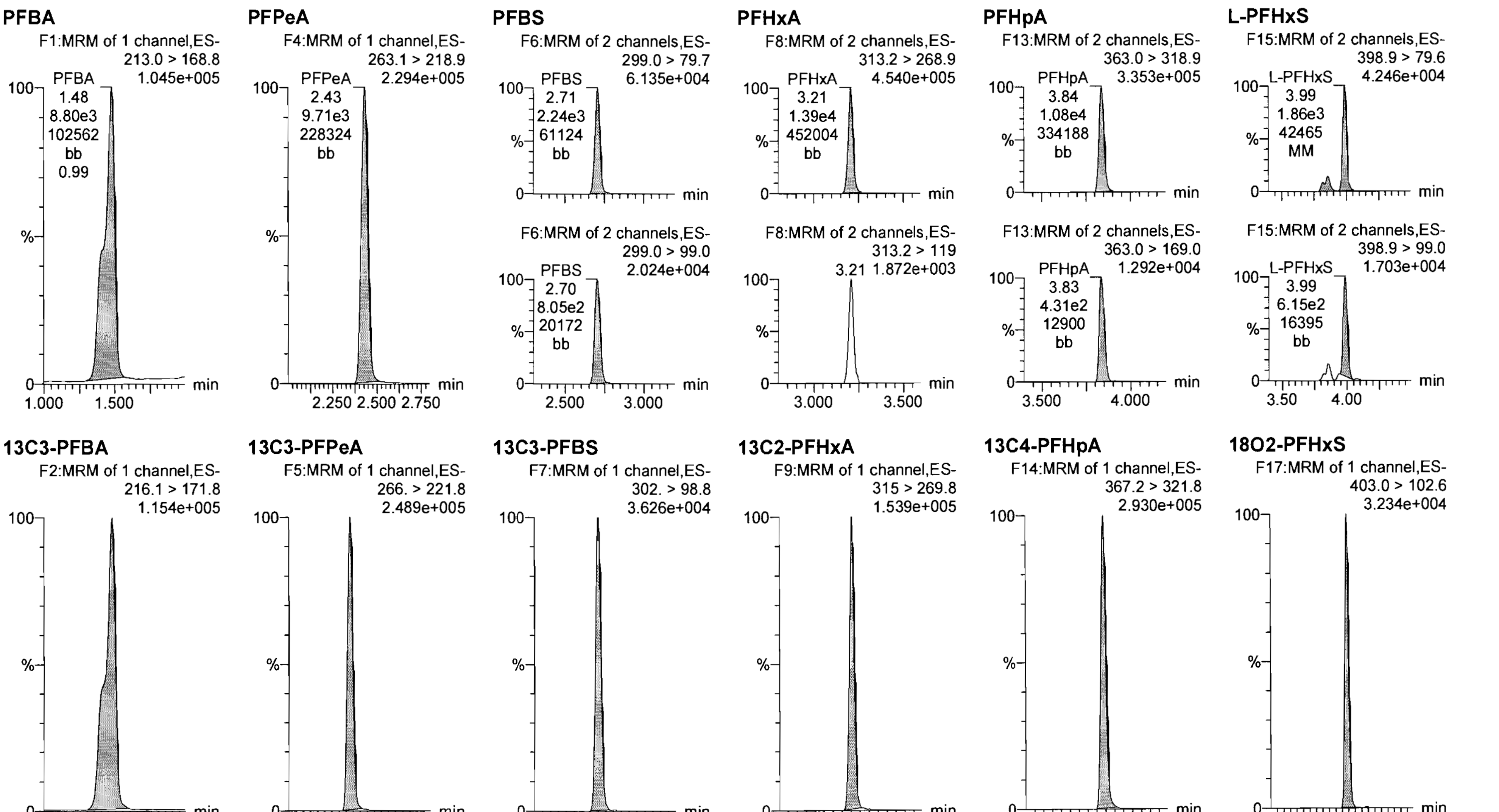
Quantify Sample Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M2\171130M2-12.qld

Last Altered: Friday, December 01, 2017 12:39:18 Pacific Standard Time
Printed: Friday, December 01, 2017 12:40:55 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_113017.mdb 01 Dec 2017 12:18:40
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-30-17_FULL.cdb 01 Dec 2017 12:39:18

Name: 171130M2_12, Date: 01-Dec-2017, Time: 02:40:26, ID: ICV171130M2-1 PFC ICV 17K3001, Description: PFC ICV 17K3001

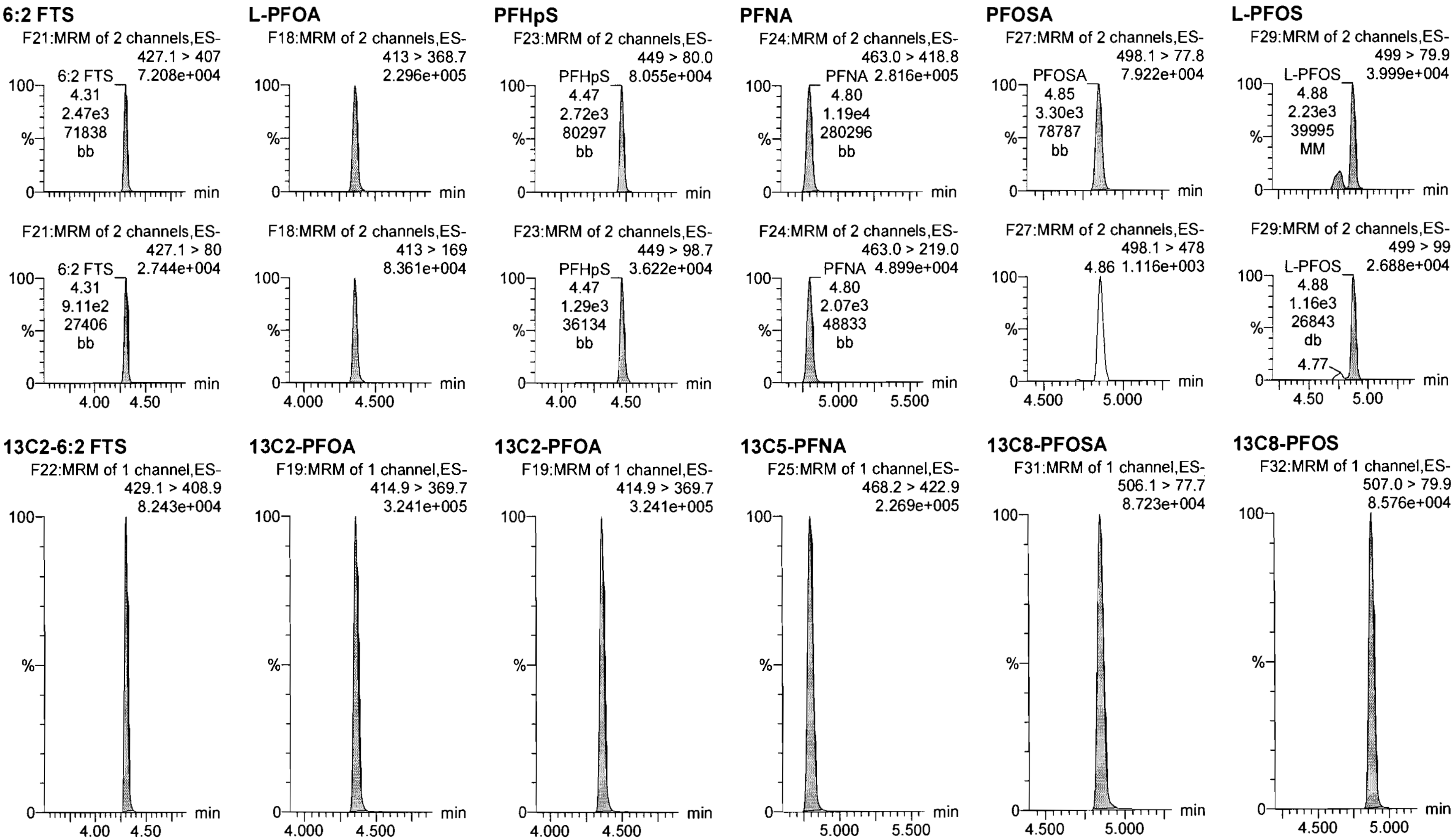


Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M2\171130M2-12.qld

Last Altered: Friday, December 01, 2017 12:39:18 Pacific Standard Time
Printed: Friday, December 01, 2017 12:40:55 Pacific Standard Time

Name: 171130M2_12, Date: 01-Dec-2017, Time: 02:40:26, ID: ICV171130M2-1 PFC ICV 17K3001, Description: PFC ICV 17K3001



Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M2\171130M2-12.qld

Last Altered: Friday, December 01, 2017 12:39:18 Pacific Standard Time
Printed: Friday, December 01, 2017 12:40:55 Pacific Standard Time

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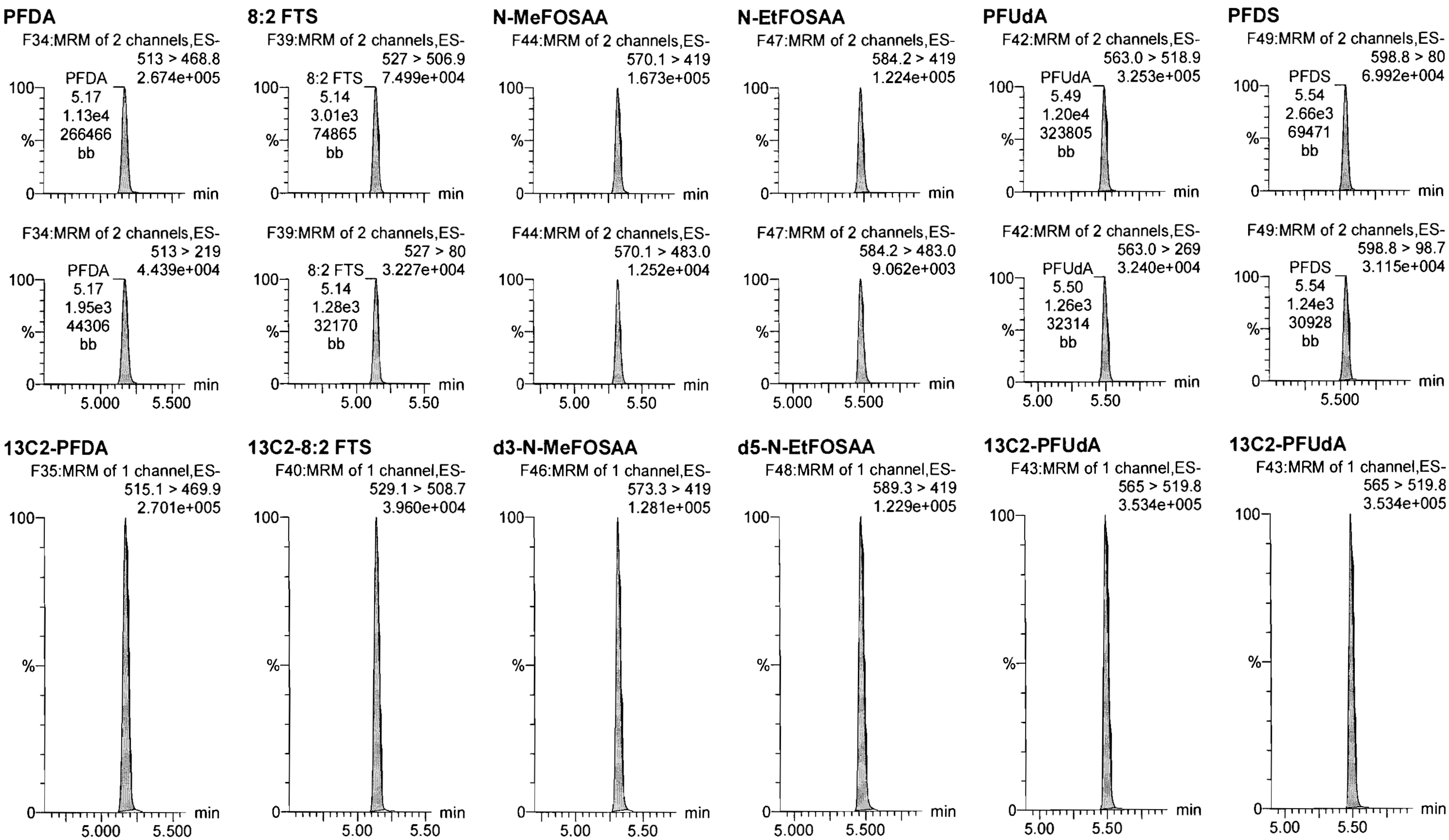

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Printed: Friday, December 01, 2017 12:40:55 Pacific Standard Time

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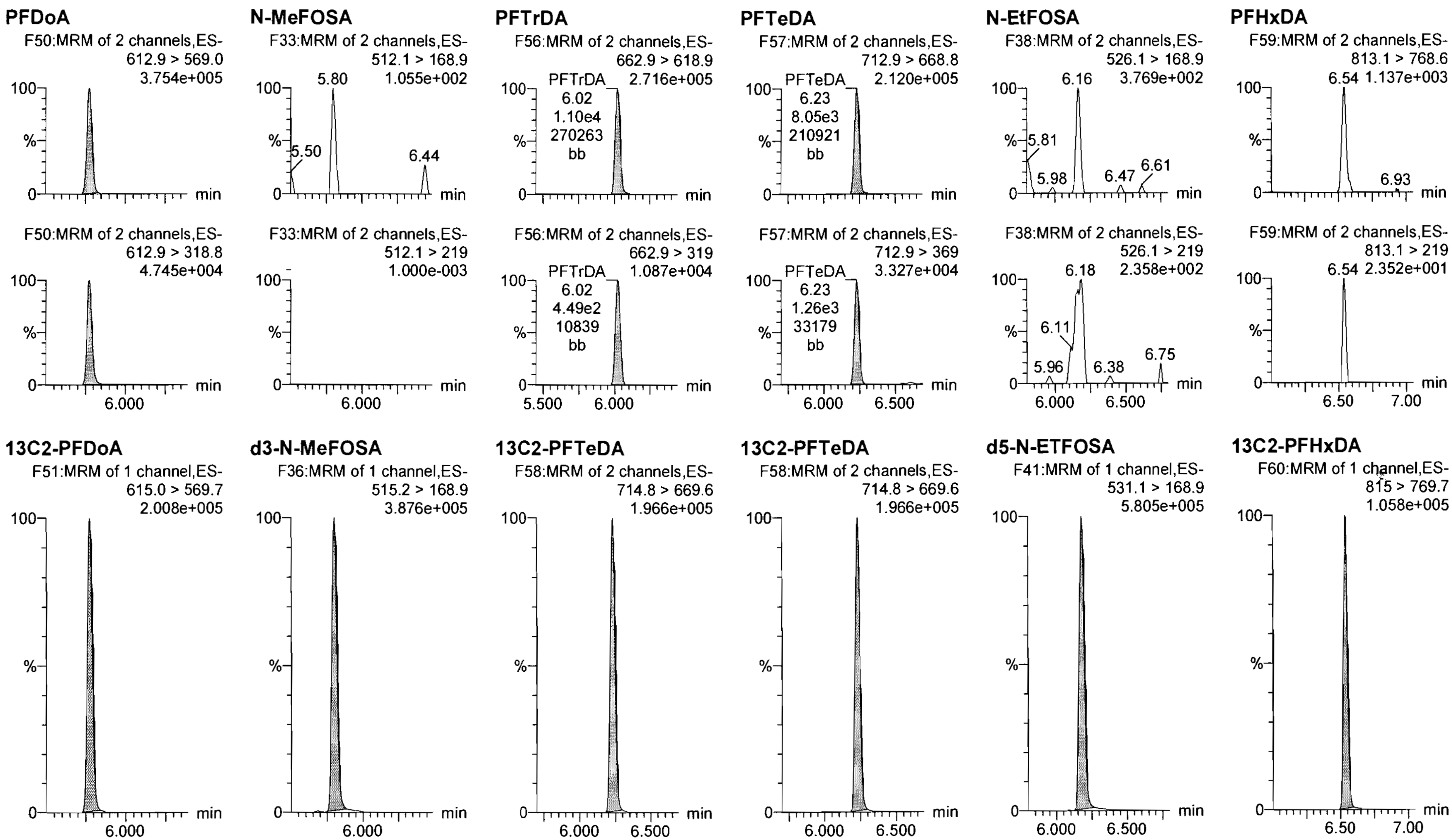

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Printed: Friday, December 01, 2017 12:40:55 Pacific Standard Time

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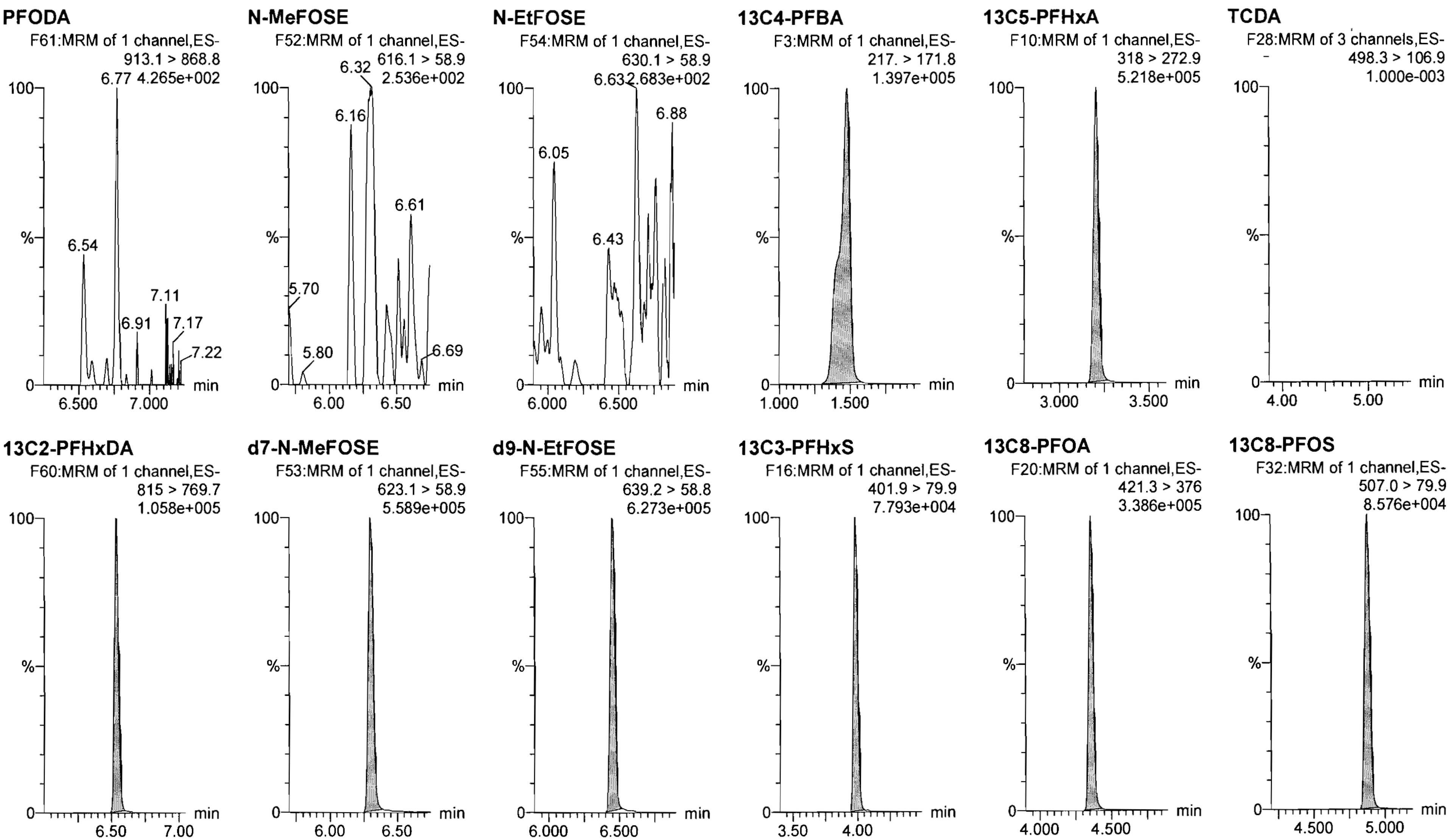

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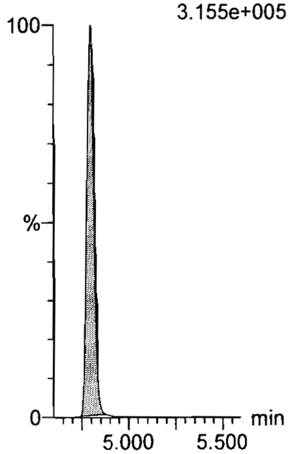
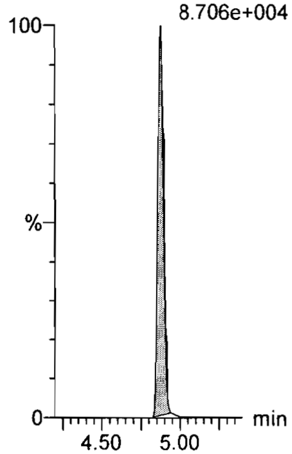
Printed: Friday, December 01, 2017 12:40:55 Pacific Standard Time

Name: 171130M2_12, Date: 01-Dec-2017, Time: 02:40:26, ID: ICV171130M2-1 PFC ICV 17K3001, Description: PFC ICV 17K3001

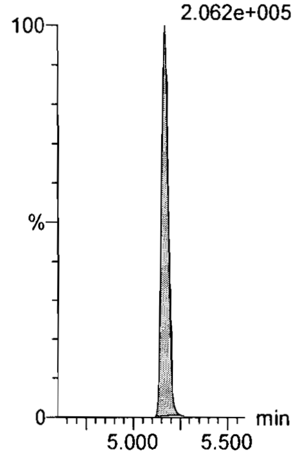
13C9-PFNA
F26:MRM of 1 channel,ES-
472.2 > 426.9
3.155e+005



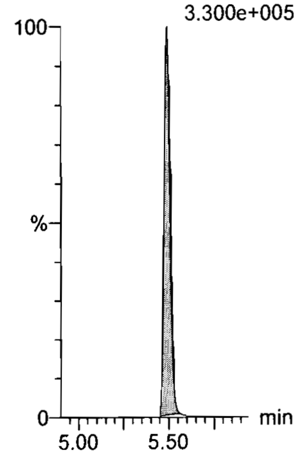
13C4-PFOS
F30:MRM of 1 channel,ES-
503 > 79.9
8.706e+004



13C6-PFDA
F37:MRM of 1 channel,ES-
519.1 > 473.7
2.062e+005



13C7-PFUdA
F45:MRM of 1 channel,ES-
570.1 > 524.8
3.300e+005



Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-3.qld

Last Altered: Thursday, November 30, 2017 14:38:01 Pacific Standard Time
Printed: Thursday, November 30, 2017 14:38:56 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_112917.mdb 29 Nov 2017 15:16:56
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_11-29-17_FULL.cdb 29 Nov 2017 15:34:31

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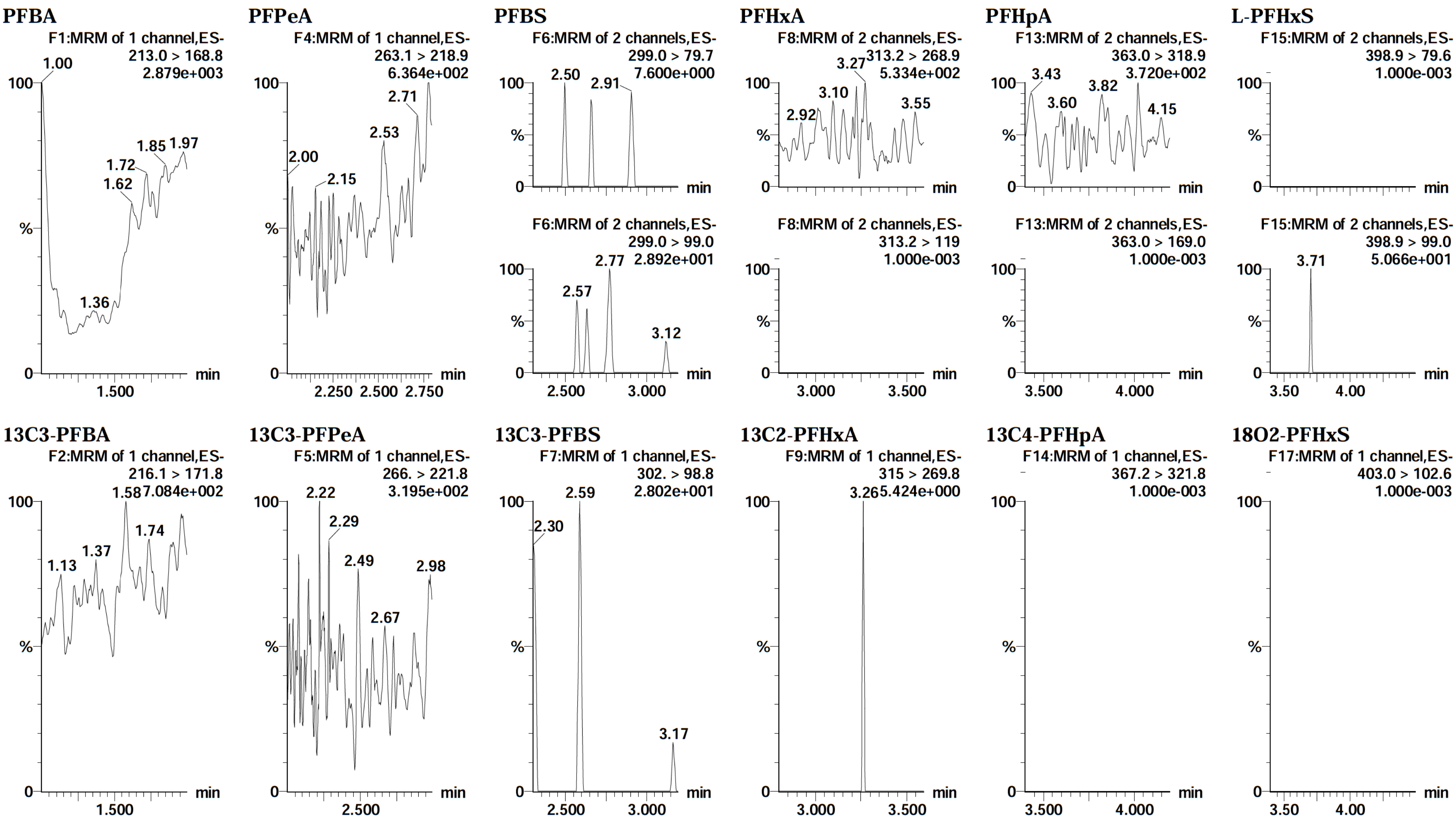


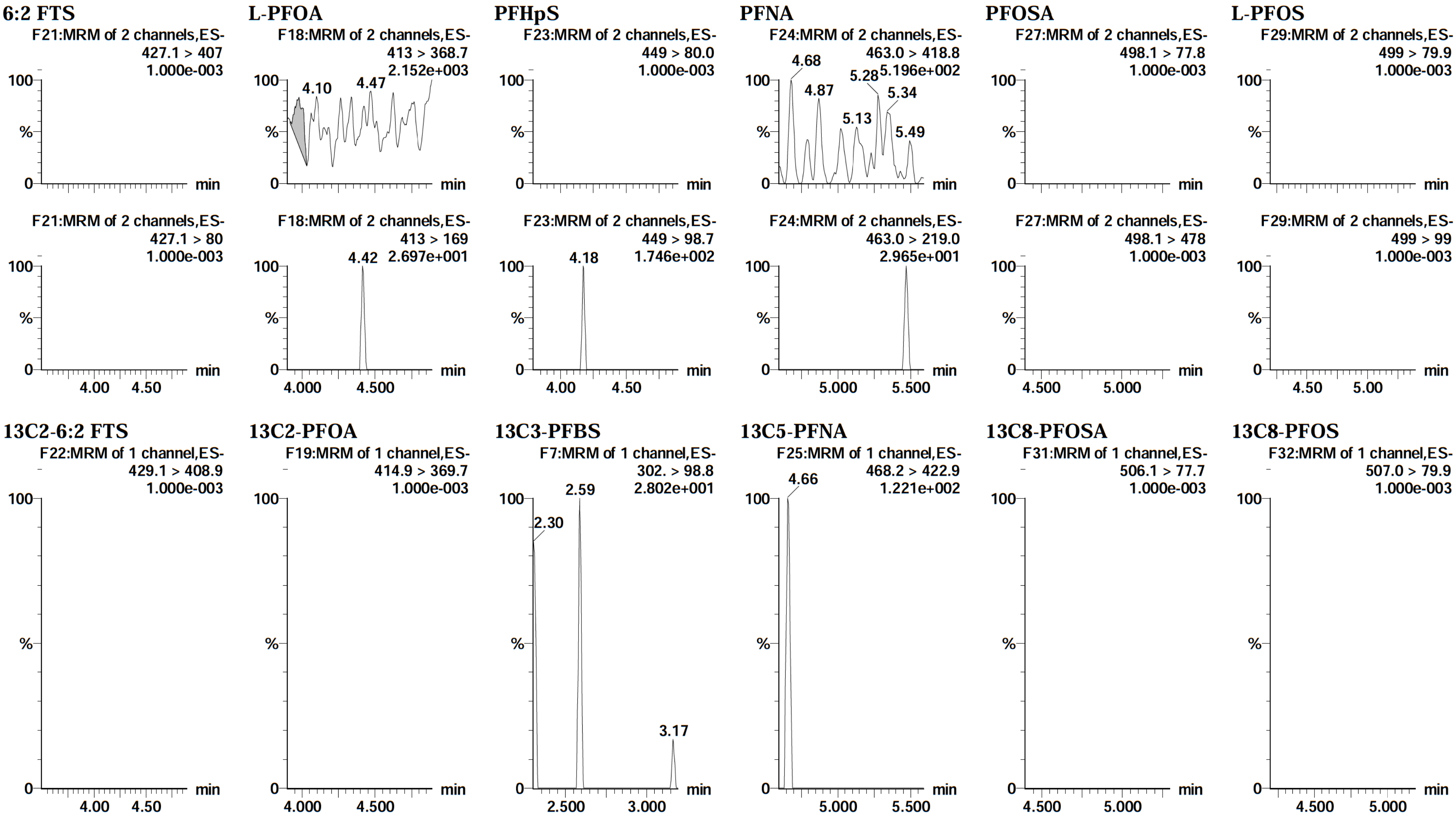
AC 11/30/17

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-3.qld

Last Altered: Thursday, November 30, 2017 14:38:01 Pacific Standard Time
Printed: Thursday, November 30, 2017 14:38:56 Pacific Standard Time

Name: 171130M1_3, Date: 30-Nov-2017, Time: 09:30:16, ID: IPA, Description: IPA



AC 11/30/17

Quantify Sample Report **MassLynx MassLynx V4.1 SCN945 SCN960**
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-3.qld

Last Altered: Thursday, November 30, 2017 14:38:01 Pacific Standard Time
Printed: Thursday, November 30, 2017 14:38:56 Pacific Standard Time

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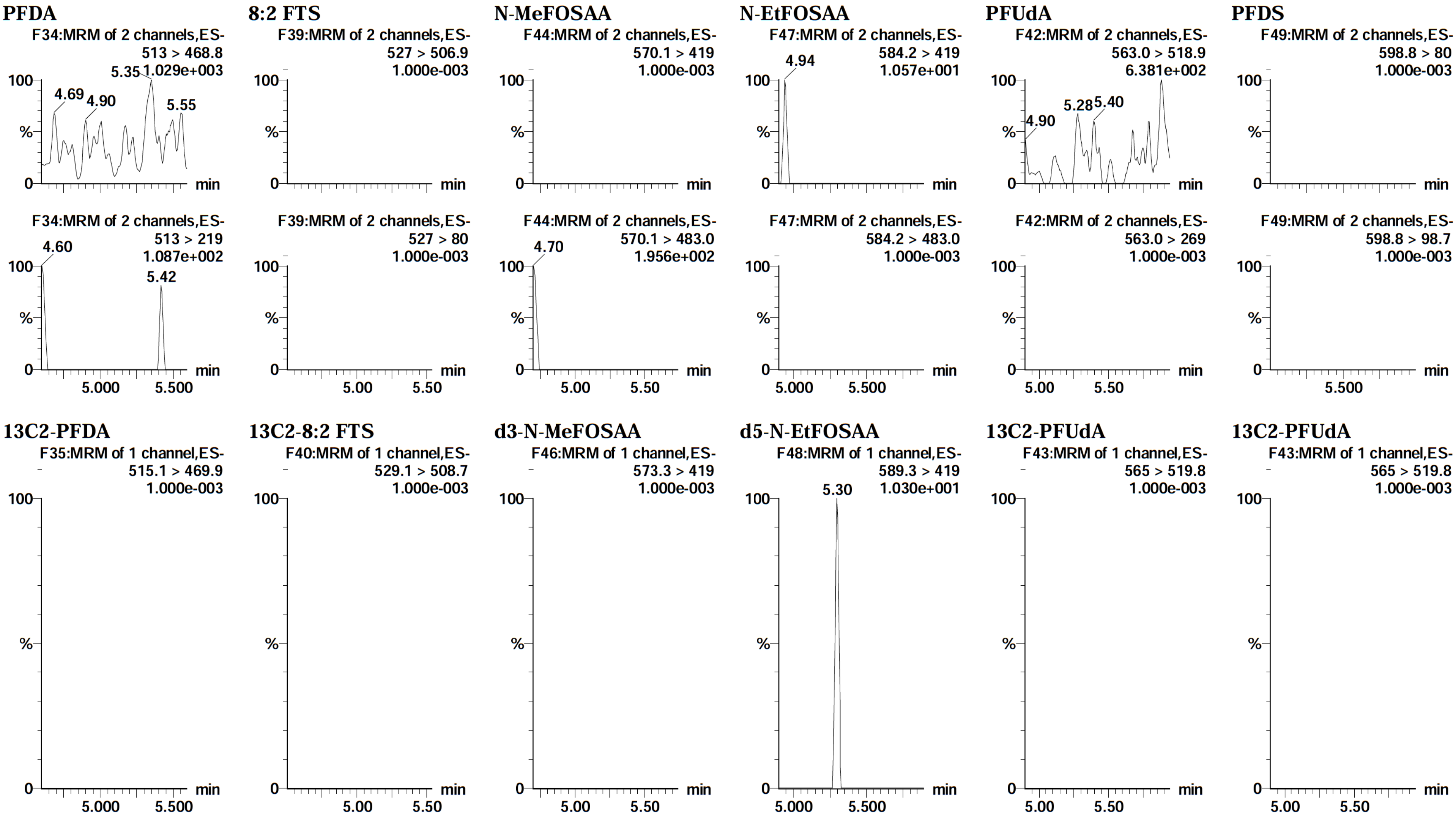

AC 11/30/17

Dataset: U:\Q4.PRO\results\171130M1\171130M1-3.qld

Last Altered: Thursday, November 30, 2017 14:38:01 Pacific Standard Time
Printed: Thursday, November 30, 2017 14:38:56 Pacific Standard Time

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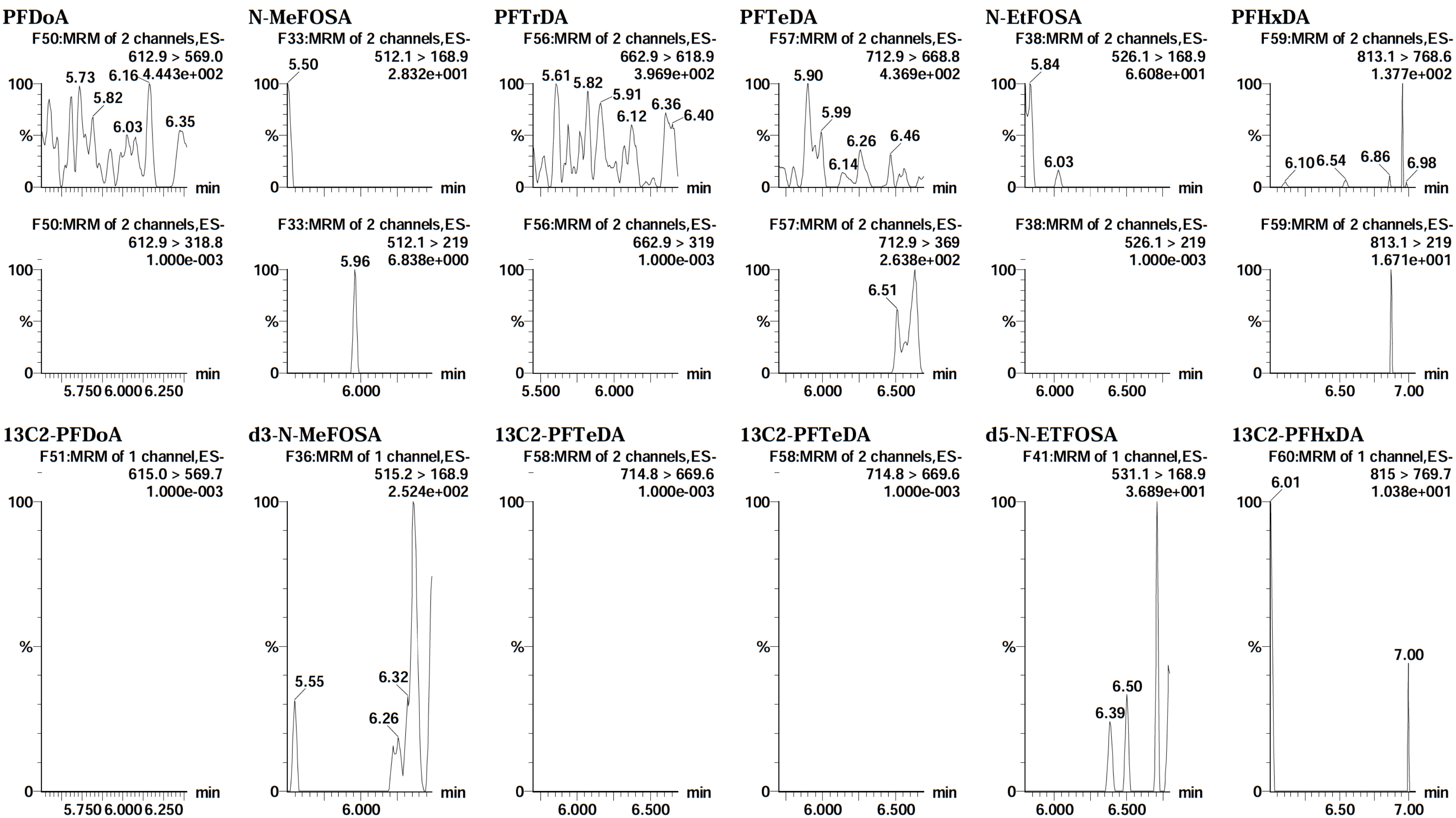

AC 11/30/17

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171130M1\171130M1-3.qld

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Printed: Thursday, November 30, 2017 14:38:56 Pacific Standard Time

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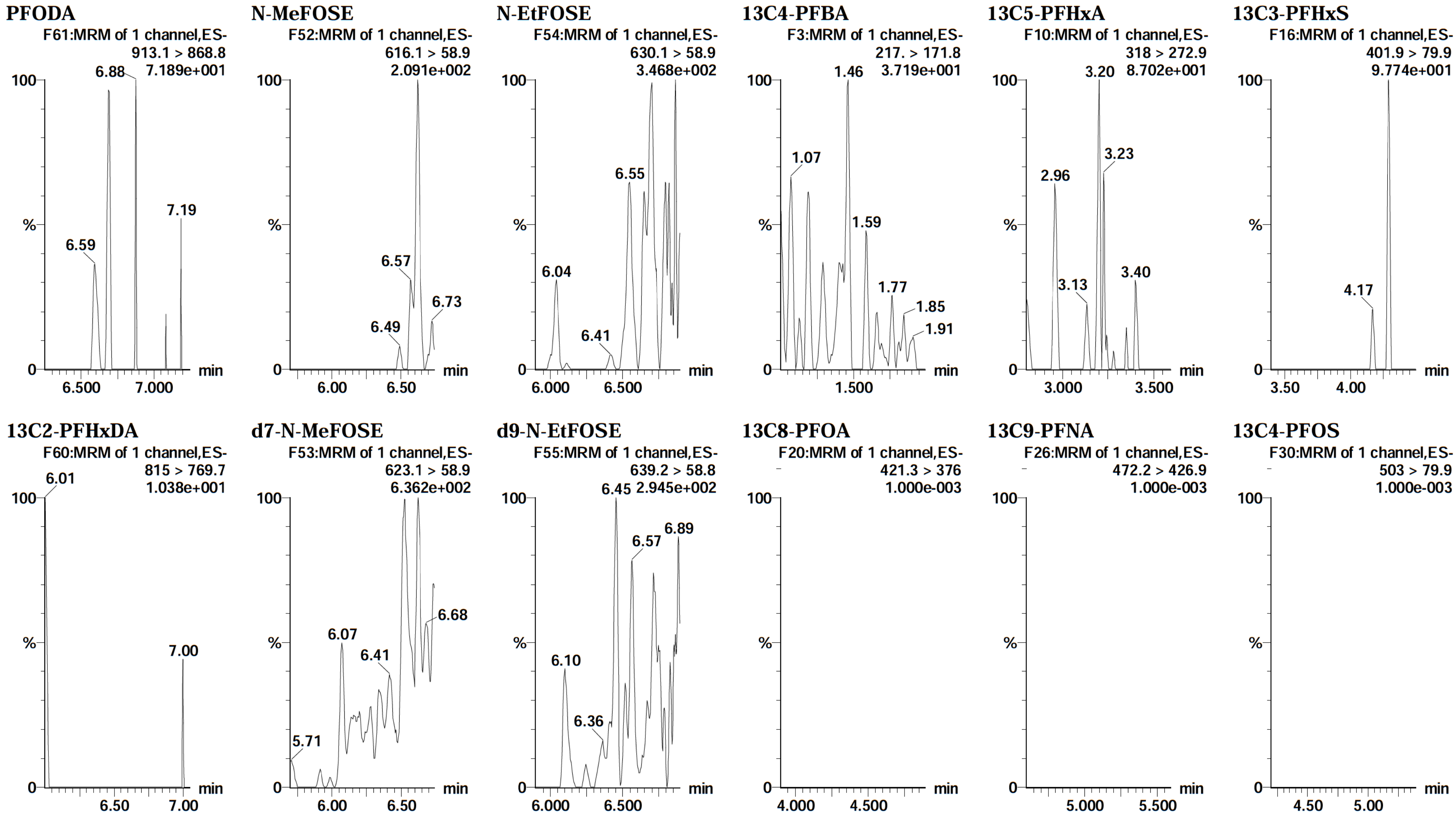

AC 11/30/17

Dataset: U:\Q4.PRO\results\171130M1\171130M1-3.qld

Last Altered: Thursday, November 30, 2017 14:38:01 Pacific Standard Time
Printed: Thursday, November 30, 2017 14:38:56 Pacific Standard Time

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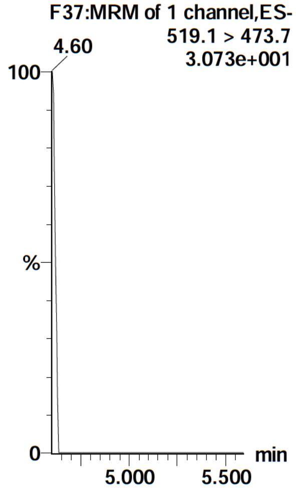
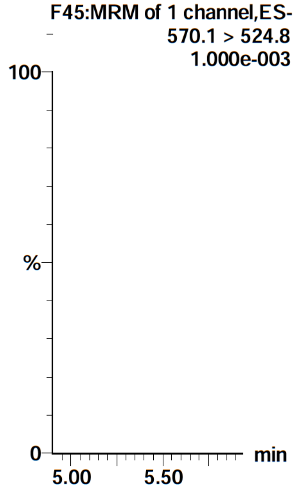
13C6-PFDA



13C7-PFUdA



AC 11/30/17

December 11, 2017

Vista Work Order No. 1701664

Ms. Denise King
AMEC Foster Wheeler
271 Mill Road
Chelmsford, MA 01824

Dear Ms. King,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on November 10, 2017. This sample set was analyzed on a standard turn-around time, under your Project Name 'Phase I PFC-29133006.019'.

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

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

Sincerely,

Karen J. Volpendesta for

Martha Maier
Laboratory Director

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

Vista Work Order No. 1701664
Case Narrative

Sample Condition on Receipt:

Sixteen soil samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. Several sample IDs on the CoC did not match the container label IDs. The client confirmed that the CoC IDs are correct with one revision. The sample ID for "TRUAX-05-SB03-110917" should be "TRUAX-05-SB03-110917-6-6.5". A revised CoC was received on November 16, 2017 to reflect this information.

Analytical Notes:

VAL-PFAS

The samples were extracted and analyzed for a selected list of PFAS using VAL Method PFAS.

Holding Times

The samples were extracted and analyzed within the 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 extracts of the following samples, as well as the QC samples, were re-injected because one or more Injection Internal Standard Analyte response areas were outside of criteria:

Laboratory ID	Sample Name
1701664-02	TRUAX-09-SB01-110917-9.0-9.5
1701664-04	TRUAX-05-SB02-110917-7-7.5
1701664-10	TRUAX-04-SB01-110917-0.5-1
1701664-11	TRUAX-04-SB01-110917-4.5-5
1701664-13	TRUAX-05-SB01-110917-6-6.5
1701664-14	TRUAX-05-SB03-110917-6-6.5
1701664-16	TRUAX-09-SB02-110817-8-9

The results were similar in the second injections; the original analyses have been reported.

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

As requested, an MS/MSD was performed on sample "TRUAX-05-SB01-110917-0.5-1". The MS/MSD recoveries and/or RPDs were out of the acceptance criteria for PFHxS, PFOA and PFOS.

QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
1701664-05	TRUAX-05-SB03-110917-0.5-1	VAL - PFAS	13C3-PFBS	H	36.5
1701664-05	TRUAX-05-SB03-110917-0.5-1	VAL - PFAS	18O2-PFHxS	H	47.2
1701664-05	TRUAX-05-SB03-110917-0.5-1	VAL - PFAS	13C8-PFOS	H	46.7
1701664-07	TRUAX-04-SB02-110917-5-5.5	VAL - PFAS	13C3-PFBS	H	12.6
1701664-07	TRUAX-04-SB02-110917-5-5.5	VAL - PFAS	18O2-PFHxS	H	22.5
1701664-07	TRUAX-04-SB02-110917-5-5.5	VAL - PFAS	13C8-PFOS	H	12.5
1701664-07	TRUAX-04-SB02-110917-5-5.5	VAL - PFAS	13C5-PFNA	H	41.4
B7L0007-MS1	B7L0007-MS1	VAL - PFAS	13C3-PFBS	H	47.0
B7L0007-MS1	B7L0007-MS1	VAL - PFAS	18O2-PFHxS	H	48.3

H = Recovery was outside laboratory acceptance criteria.

TABLE OF CONTENTS

Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1701664-01	TRUAX-09-SB01-110917-1-2	09-Nov-17 07:45	10-Nov-17 08:45	HDPE Jar, 6 oz
1701664-02	TRUAX-09-SB01-110917-9.0-9.5	09-Nov-17 08:00	10-Nov-17 08:45	HDPE Jar, 6 oz
1701664-03	TRUAX-05-SB02-110917-0.5-1	09-Nov-17 08:30	10-Nov-17 08:45	HDPE Jar, 6 oz
1701664-04	TRUAX-05-SB02-110917-7-7.5	09-Nov-17 08:45	10-Nov-17 08:45	HDPE Jar, 6 oz
1701664-05	TRUAX-05-SB03-110917-0.5-1	09-Nov-17 09:00	10-Nov-17 08:45	HDPE Jar, 6 oz
1701664-06	TRUAX-04-SB02-110917-1-2	09-Nov-17 10:15	10-Nov-17 08:45	HDPE Jar, 6 oz
1701664-07	TRUAX-04-SB02-110917-5-5.5	09-Nov-17 10:30	10-Nov-17 08:45	HDPE Jar, 6 oz
1701664-08	TRUAX-04-SB03-110917-1-2	09-Nov-17 10:55	10-Nov-17 08:45	HDPE Jar, 6 oz
1701664-09	TRUAX-04-SB03-110917-5-5.5	09-Nov-17 11:00	10-Nov-17 08:45	HDPE Jar, 6 oz
1701664-10	TRUAX-04-SB01-110917-0.5-1	09-Nov-17 11:15	10-Nov-17 08:45	HDPE Jar, 6 oz
1701664-11	TRUAX-04-SB01-110917-4.5-5	09-Nov-17 11:30	10-Nov-17 08:45	HDPE Jar, 6 oz
1701664-12	TRUAX-05-SB01-110917-0.5-1	09-Nov-17 11:45	10-Nov-17 08:45	HDPE Jar, 6 oz
1701664-13	TRUAX-05-SB01-110917-6-6.5	09-Nov-17 12:00	10-Nov-17 08:45	HDPE Jar, 6 oz
1701664-14	TRUAX-05-SB03-110917-6-6.5	09-Nov-17 09:15	10-Nov-17 08:45	HDPE Jar, 6 oz
1701664-15	TRUAX-09-SB02-2-3	08-Nov-17 15:30	10-Nov-17 08:45	HDPE Jar, 6 oz
1701664-16	TRUAX-09-SB02-110817-8-9	08-Nov-17 16:00	10-Nov-17 08:45	HDPE Jar, 6 oz

ANALYTICAL RESULTS

Sample ID: Method Blank | **VAL - PFAS**

Client Data

Name: AMEC Foster Wheeler | Matrix: Solid
Project: Phase I PFC-29133006.019

Laboratory Data

Lab Sample: B7L0007-BLK1 | Column: BEH C18

Analyte	Conc. (ug/kg)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.285	1.00	2.00		B7L0007	03-Dec-17	1.00 g	06-Dec-17 21:01	1
PFHpA	ND	0.285	1.00	2.00		B7L0007	03-Dec-17	1.00 g	06-Dec-17 21:01	1
PFHxS	ND	0.285	1.00	2.00		B7L0007	03-Dec-17	1.00 g	06-Dec-17 21:01	1
PFOA	ND	0.285	1.00	2.00		B7L0007	03-Dec-17	1.00 g	06-Dec-17 21:01	1
PFOS	ND	0.285	1.00	2.00		B7L0007	03-Dec-17	1.00 g	06-Dec-17 21:01	1
PFNA	ND	0.285	1.00	2.00		B7L0007	03-Dec-17	1.00 g	06-Dec-17 21:01	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	73.3	50 - 150		B7L0007	03-Dec-17	1.00 g	06-Dec-17 21:01	1
13C4-PFHpA	IS	80.5	50 - 150		B7L0007	03-Dec-17	1.00 g	06-Dec-17 21:01	1
18O2-PFHxS	IS	83.3	50 - 150		B7L0007	03-Dec-17	1.00 g	06-Dec-17 21:01	1
13C2-PFOA	IS	83.4	50 - 150		B7L0007	03-Dec-17	1.00 g	06-Dec-17 21:01	1
13C8-PFOS	IS	87.3	50 - 150		B7L0007	03-Dec-17	1.00 g	06-Dec-17 21:01	1
13C5-PFNA	IS	81.4	50 - 150		B7L0007	03-Dec-17	1.00 g	06-Dec-17 21:01	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
The results are reported in dry weight.
The sample size is reported in wet weight.
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 **VAL - PFAS**

Client Data				Laboratory Data			
Name:	AMEC Foster Wheeler	Matrix:	Solid	Lab Sample:	B7L0007-BS1	Column:	BEH C18
Project:	Phase I PFC-29133006.019						

Analyte	Amt Found (ug/kg	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	8.75	10.0	87.5	70-130		B7L0007	03-Dec-17	1.00 g	06-Dec-17 20:39	1
PFHpA	8.76	10.0	87.6	70-130		B7L0007	03-Dec-17	1.00 g	06-Dec-17 20:39	1
PFHxS	8.03	10.0	80.3	70-130		B7L0007	03-Dec-17	1.00 g	06-Dec-17 20:39	1
PFOA	7.74	10.0	77.4	70-130		B7L0007	03-Dec-17	1.00 g	06-Dec-17 20:39	1
PFOS	8.44	10.0	84.4	70-130		B7L0007	03-Dec-17	1.00 g	06-Dec-17 20:39	1
PFNA	7.86	10.0	78.6	70-130		B7L0007	03-Dec-17	1.00 g	06-Dec-17 20:39	1
Labeled Standards	**Type**		**% Rec**	**Limits**	**Qualifiers**	**Batch**	**Extracted**	**Samp Size**	**Analyzed**	**Dilution**
13C3-PFBS	IS		85.4	50- 150		B7L0007	03-Dec-17	1.00 g	06-Dec-17 20:39	1
13C4-PFHpA	IS		101	50- 150		B7L0007	03-Dec-17	1.00 g	06-Dec-17 20:39	1
18O2-PFHxS	IS		95.4	50- 150		B7L0007	03-Dec-17	1.00 g	06-Dec-17 20:39	1
13C2-PFOA	IS		91.2	50- 150		B7L0007	03-Dec-17	1.00 g	06-Dec-17 20:39	1
13C8-PFOS	IS		90.0	50- 150		B7L0007	03-Dec-17	1.00 g	06-Dec-17 20:39	1
13C5-PFNA	IS		87.8	50- 150		B7L0007	03-Dec-17	1.00 g	06-Dec-17 20:39	1

Sample ID: TRUAX-09-SB01-110917-1-2 — **VAL - PFAS**

Client Data				**Laboratory Data**			
Name:	AMEC Foster Wheeler	Matrix:	Soil	Lab Sample:	1701664-01	Column:	BEH C18
Project:	Phase I PFC-29133006.019	Date Collected:	09-Nov-17 07:45	Date Received:	10-Nov-17 08:45		
				% Solids:	83.3		

Analyte	Conc. (ug/kg)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.278	0.977	1.95		B7L0007	03-Dec-17	1.23 g	06-Dec-17 21:35	1
PFHpA	ND	0.278	0.977	1.95		B7L0007	03-Dec-17	1.23 g	06-Dec-17 21:35	1
PFHxS	0.392	0.278	0.977	1.95	J	B7L0007	03-Dec-17	1.23 g	06-Dec-17 21:35	1
PFOA	ND	0.278	0.977	1.95		B7L0007	03-Dec-17	1.23 g	06-Dec-17 21:35	1
PFOS	0.601	0.278	0.977	1.95	J	B7L0007	03-Dec-17	1.23 g	06-Dec-17 21:35	1
PFNA	ND	0.278	0.977	1.95		B7L0007	03-Dec-17	1.23 g	06-Dec-17 21:35	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	100	50 - 150		B7L0007	03-Dec-17	1.23 g	06-Dec-17 21:35	1
13C4-PFHpA	IS	93.8	50 - 150		B7L0007	03-Dec-17	1.23 g	06-Dec-17 21:35	1
18O2-PFHxS	IS	89.7	50 - 150		B7L0007	03-Dec-17	1.23 g	06-Dec-17 21:35	1
13C2-PFOA	IS	86.9	50 - 150		B7L0007	03-Dec-17	1.23 g	06-Dec-17 21:35	1
13C8-PFOS	IS	97.0	50 - 150		B7L0007	03-Dec-17	1.23 g	06-Dec-17 21:35	1
13C5-PFNA	IS	73.8	50 - 150		B7L0007	03-Dec-17	1.23 g	06-Dec-17 21:35	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
The results are reported in dry weight.
The sample size is reported in wet weight.
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.

Vista Analytical Laboratory

Sample ID: TRUAX-09-SB01-110917-9.0-9.5 — **VAL - PFAS**

Client Data				**Laboratory Data**			
Name:	AMEC Foster Wheeler	Matrix:	Soil	Lab Sample:	1701664-02	Column:	BEH C18
Project:	Phase I PFC-29133006.019	Date Collected:	09-Nov-17 08:00	Date Received:	10-Nov-17 08:45		
				% Solids:	86.8		

Analyte	Conc. (ug/kg)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.291	1.02	2.04		B7L0007	03-Dec-17	1.13 g	06-Dec-17 21:46	1
PFHpA	ND	0.291	1.02	2.04		B7L0007	03-Dec-17	1.13 g	06-Dec-17 21:46	1
PFHxS	ND	0.291	1.02	2.04		B7L0007	03-Dec-17	1.13 g	06-Dec-17 21:46	1
PFOA	ND	0.291	1.02	2.04		B7L0007	03-Dec-17	1.13 g	06-Dec-17 21:46	1
PFOS	1.91	0.291	1.02	2.04	J	B7L0007	03-Dec-17	1.13 g	06-Dec-17 21:46	1
PFNA	ND	0.291	1.02	2.04		B7L0007	03-Dec-17	1.13 g	06-Dec-17 21:46	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	81.1	50 - 150		B7L0007	03-Dec-17	1.13 g	06-Dec-17 21:46	1
13C4-PFHpA	IS	98.4	50 - 150		B7L0007	03-Dec-17	1.13 g	06-Dec-17 21:46	1
18O2-PFHxS	IS	88.2	50 - 150		B7L0007	03-Dec-17	1.13 g	06-Dec-17 21:46	1
13C2-PFOA	IS	102	50 - 150		B7L0007	03-Dec-17	1.13 g	06-Dec-17 21:46	1
13C8-PFOS	IS	145	50 - 150		B7L0007	03-Dec-17	1.13 g	06-Dec-17 21:46	1
13C5-PFNA	IS	90.5	50 - 150		B7L0007	03-Dec-17	1.13 g	06-Dec-17 21:46	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
The results are reported in dry weight.
The sample size is reported in wet weight.
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: TRUAX-05-SB02-110917-0.5-1 | **VAL - PFAS**

Client Data				**Laboratory Data**			
Name:	AMEC Foster Wheeler	Matrix:	Soil	Lab Sample:	1701664-03	Column:	BEH C18
Project:	Phase I PFC-29133006.019	Date Collected:	09-Nov-17 08:30	Date Received:	10-Nov-17 08:45		
				% Solids:	85.9		

Analyte	Conc. (ug/kg)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.291	1.02	2.04		B7L0007	03-Dec-17	1.14 g	06-Dec-17 21:57	1
PFHpA	1.22	0.291	1.02	2.04	J	B7L0007	03-Dec-17	1.14 g	06-Dec-17 21:57	1
PFHxS	3.77	0.291	1.02	2.04		B7L0007	03-Dec-17	1.14 g	06-Dec-17 21:57	1
PFOA	1.81	0.291	1.02	2.04	J	B7L0007	03-Dec-17	1.14 g	06-Dec-17 21:57	1
PFOS	22.2	0.291	1.02	2.04		B7L0007	03-Dec-17	1.14 g	06-Dec-17 21:57	1
PFNA	1.63	0.291	1.02	2.04	J	B7L0007	03-Dec-17	1.14 g	06-Dec-17 21:57	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	61.3	50 - 150		B7L0007	03-Dec-17	1.14 g	06-Dec-17 21:57	1
13C4-PFHpA	IS	72.9	50 - 150		B7L0007	03-Dec-17	1.14 g	06-Dec-17 21:57	1
18O2-PFHxS	IS	75.7	50 - 150		B7L0007	03-Dec-17	1.14 g	06-Dec-17 21:57	1
13C2-PFOA	IS	79.9	50 - 150		B7L0007	03-Dec-17	1.14 g	06-Dec-17 21:57	1
13C8-PFOS	IS	70.5	50 - 150		B7L0007	03-Dec-17	1.14 g	06-Dec-17 21:57	1
13C5-PFNA	IS	71.2	50 - 150		B7L0007	03-Dec-17	1.14 g	06-Dec-17 21:57	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
The results are reported in dry weight.
The sample size is reported in wet weight.
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.

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Sample ID: TRUAX-05-SB02-110917-7-7.5

VAL - PFAS

Client Data				**Laboratory Data**			
Name:	AMEC Foster Wheeler	Matrix:	Soil	Lab Sample:	1701664-04	Column:	BEH C18
Project:	Phase I PFC-29133006.019	Date Collected:	09-Nov-17 08:45	Date Received:	10-Nov-17 08:45		
				% Solids:	86.0		

Analyte	Conc. (ug/kg)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.293	1.03	2.06		B7L0007	03-Dec-17	1.13 g	06-Dec-17 22:09	1
PFHpA	ND	0.293	1.03	2.06		B7L0007	03-Dec-17	1.13 g	06-Dec-17 22:09	1
PFHxS	ND	0.293	1.03	2.06		B7L0007	03-Dec-17	1.13 g	06-Dec-17 22:09	1
PFOA	ND	0.293	1.03	2.06		B7L0007	03-Dec-17	1.13 g	06-Dec-17 22:09	1
PFOS	ND	0.293	1.03	2.06		B7L0007	03-Dec-17	1.13 g	06-Dec-17 22:09	1
PFNA	ND	0.293	1.03	2.06		B7L0007	03-Dec-17	1.13 g	06-Dec-17 22:09	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	61.1	50 - 150		B7L0007	03-Dec-17	1.13 g	06-Dec-17 22:09	1
13C4-PFHpA	IS	90.0	50 - 150		B7L0007	03-Dec-17	1.13 g	06-Dec-17 22:09	1
18O2-PFHxS	IS	85.3	50 - 150		B7L0007	03-Dec-17	1.13 g	06-Dec-17 22:09	1
13C2-PFOA	IS	94.5	50 - 150		B7L0007	03-Dec-17	1.13 g	06-Dec-17 22:09	1
13C8-PFOS	IS	83.6	50 - 150		B7L0007	03-Dec-17	1.13 g	06-Dec-17 22:09	1
13C5-PFNA	IS	85.7	50 - 150		B7L0007	03-Dec-17	1.13 g	06-Dec-17 22:09	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
The results are reported in dry weight.
The sample size is reported in wet weight.
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.

Vista Analytical Laboratory

Sample ID: TRUAX-05-SB03-110917-0.5-1 **VAL - PFAS**

Client Data			
Name:	AMEC Foster Wheeler	Matrix:	Soil
Project:	Phase I PFC-29133006.019	Date Collected:	09-Nov-17 09:00

Laboratory Data			
Lab Sample:	1701664-05	Column:	BEH C18
Date Received:	10-Nov-17 08:45		
% Solids:	82.6		

Analyte	Conc. (ug/kg)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.276	0.968	1.94		B7L0007	03-Dec-17	1.25 g	06-Dec-17 22:20	1
PFHpA	0.620	0.276	0.968	1.94	J	B7L0007	03-Dec-17	1.25 g	06-Dec-17 22:20	1
PFHxS	8.83	0.276	0.968	1.94		B7L0007	03-Dec-17	1.25 g	06-Dec-17 22:20	1
PFOA	1.64	0.276	0.968	1.94	J	B7L0007	03-Dec-17	1.25 g	06-Dec-17 22:20	1
PFOS	333	1.38	4.84	9.68	D	B7L0007	03-Dec-17	1.25 g	07-Dec-17 16:34	5
PFNA	3.55	0.276	0.968	1.94		B7L0007	03-Dec-17	1.25 g	06-Dec-17 22:20	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	36.5	50 - 150	H	B7L0007	03-Dec-17	1.25 g	06-Dec-17 22:20	1
13C4-PFHpA	IS	61.3	50 - 150		B7L0007	03-Dec-17	1.25 g	06-Dec-17 22:20	1
18O2-PFHxS	IS	47.2	50 - 150	H	B7L0007	03-Dec-17	1.25 g	06-Dec-17 22:20	1
13C2-PFOA	IS	61.4	50 - 150		B7L0007	03-Dec-17	1.25 g	06-Dec-17 22:20	1
13C8-PFOS	IS	46.7	50 - 150	D, H	B7L0007	03-Dec-17	1.25 g	07-Dec-17 16:34	5
13C5-PFNA	IS	55.2	50 - 150		B7L0007	03-Dec-17	1.25 g	06-Dec-17 22:20	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
The results are reported in dry weight.
The sample size is reported in wet weight.
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: TRUAX-04-SB02-110917-1-2 **VAL - PFAS**

Client Data				Laboratory Data			
Name:	AMEC Foster Wheeler	Matrix:	Soil	Lab Sample:	1701664-06	Column:	BEH C18
Project:	Phase I PFC-29133006.019	Date Collected:	09-Nov-17 10:15	Date Received:	10-Nov-17 08:45		
				% Solids:	83.9		

Analyte	Conc. (ug/kg)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.296	1.04	2.07		B7L0007	03-Dec-17	1.15 g	06-Dec-17 22:31	1
PFHpA	0.448	0.296	1.04	2.07	J	B7L0007	03-Dec-17	1.15 g	06-Dec-17 22:31	1
PFHxS	2.72	0.296	1.04	2.07		B7L0007	03-Dec-17	1.15 g	06-Dec-17 22:31	1
PFOA	1.60	0.296	1.04	2.07	J	B7L0007	03-Dec-17	1.15 g	06-Dec-17 22:31	1
PFOS	368	1.48	5.18	10.4	D	B7L0007	03-Dec-17	1.15 g	07-Dec-17 16:45	5
PFNA	ND	0.296	1.04	2.07		B7L0007	03-Dec-17	1.15 g	06-Dec-17 22:31	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	94.4	50 - 150		B7L0007	03-Dec-17	1.15 g	06-Dec-17 22:31	1
13C4-PFHpA	IS	113	50 - 150		B7L0007	03-Dec-17	1.15 g	06-Dec-17 22:31	1
18O2-PFHxS	IS	95.5	50 - 150		B7L0007	03-Dec-17	1.15 g	06-Dec-17 22:31	1
13C2-PFOA	IS	92.2	50 - 150		B7L0007	03-Dec-17	1.15 g	06-Dec-17 22:31	1
13C8-PFOS	IS	85.4	50 - 150	D	B7L0007	03-Dec-17	1.15 g	07-Dec-17 16:45	5
13C5-PFNA	IS	85.7	50 - 150		B7L0007	03-Dec-17	1.15 g	06-Dec-17 22:31	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
The results are reported in dry weight.
The sample size is reported in wet weight.
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: TRUAX-04-SB02-110917-5-5.5 **VAL - PFAS**

Client Data				Laboratory Data			
Name:	AMEC Foster Wheeler	Matrix:	Soil	Lab Sample:	1701664-07	Column:	BEH C18
Project:	Phase I PFC-29133006.019	Date Collected:	09-Nov-17 10:30	Date Received:	10-Nov-17 08:45		
				% Solids:	77.2		

Analyte	Conc. (ug/kg)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.273	0.960	1.92		B7L0007	03-Dec-17	1.35 g	06-Dec-17 22:42	1
PFHpA	0.895	0.273	0.960	1.92	J	B7L0007	03-Dec-17	1.35 g	06-Dec-17 22:42	1
PFHxS	16.0	0.273	0.960	1.92		B7L0007	03-Dec-17	1.35 g	06-Dec-17 22:42	1
PFOA	4.31	0.273	0.960	1.92		B7L0007	03-Dec-17	1.35 g	06-Dec-17 22:42	1
PFOS	611	1.37	4.80	9.60	D	B7L0007	03-Dec-17	1.35 g	07-Dec-17 16:56	5
PFNA	1.10	0.273	0.960	1.92	J	B7L0007	03-Dec-17	1.35 g	06-Dec-17 22:42	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	12.6	50 - 150	H	B7L0007	03-Dec-17	1.35 g	06-Dec-17 22:42	1
13C4-PFHpA	IS	55.1	50 - 150		B7L0007	03-Dec-17	1.35 g	06-Dec-17 22:42	1
18O2-PFHxS	IS	22.5	50 - 150	H	B7L0007	03-Dec-17	1.35 g	06-Dec-17 22:42	1
13C2-PFOA	IS	55.7	50 - 150		B7L0007	03-Dec-17	1.35 g	06-Dec-17 22:42	1
13C8-PFOS	IS	12.5	50 - 150	D, H	B7L0007	03-Dec-17	1.35 g	07-Dec-17 16:56	5
13C5-PFNA	IS	41.4	50 - 150	H	B7L0007	03-Dec-17	1.35 g	06-Dec-17 22:42	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
The results are reported in dry weight.
The sample size is reported in wet weight.
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: TRUAX-04-SB03-110917-1-2 — VAL - PFAS

Client Data				Laboratory Data			
Name:	AMEC Foster Wheeler	Matrix:	Soil	Lab Sample:	1701664-08	Column:	BEH C18
Project:	Phase I PFC-29133006.019	Date Collected:	09-Nov-17 10:55	Date Received:	10-Nov-17 08:45		
				% Solids:	93.6		

Analyte	Conc. (ug/kg)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.277	0.972	1.94		B7L0007	03-Dec-17	1.10 g	06-Dec-17 22:53	1
PFHpA	ND	0.277	0.972	1.94		B7L0007	03-Dec-17	1.10 g	06-Dec-17 22:53	1
PFHxS	ND	0.277	0.972	1.94		B7L0007	03-Dec-17	1.10 g	06-Dec-17 22:53	1
PFOA	ND	0.277	0.972	1.94		B7L0007	03-Dec-17	1.10 g	06-Dec-17 22:53	1
PFOS	2.07	0.277	0.972	1.94		B7L0007	03-Dec-17	1.10 g	06-Dec-17 22:53	1
PFNA	ND	0.277	0.972	1.94		B7L0007	03-Dec-17	1.10 g	06-Dec-17 22:53	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	76.8	50 - 150		B7L0007	03-Dec-17	1.10 g	06-Dec-17 22:53	1
13C4-PFHpA	IS	98.3	50 - 150		B7L0007	03-Dec-17	1.10 g	06-Dec-17 22:53	1
18O2-PFHxS	IS	78.3	50 - 150		B7L0007	03-Dec-17	1.10 g	06-Dec-17 22:53	1
13C2-PFOA	IS	89.2	50 - 150		B7L0007	03-Dec-17	1.10 g	06-Dec-17 22:53	1
13C8-PFOS	IS	81.9	50 - 150		B7L0007	03-Dec-17	1.10 g	06-Dec-17 22:53	1
13C5-PFNA	IS	81.9	50 - 150		B7L0007	03-Dec-17	1.10 g	06-Dec-17 22:53	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
The results are reported in dry weight.
The sample size is reported in wet weight.
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: TRUAX-04-SB03-110917-5-5.5 — VAL - PFAS

Client Data				Laboratory Data			
Name:	AMEC Foster Wheeler	Matrix:	Soil	Lab Sample:	1701664-09	Column:	BEH C18
Project:	Phase I PFC-29133006.019	Date Collected:	09-Nov-17 11:00	Date Received:	10-Nov-17 08:45		
				% Solids:	82.7		

Analyte	Conc. (ug/kg)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.278	0.975	1.95		B7L0007	03-Dec-17	1.24 g	06-Dec-17 23:04	1
PFHpA	ND	0.278	0.975	1.95		B7L0007	03-Dec-17	1.24 g	06-Dec-17 23:04	1
PFHxS	ND	0.278	0.975	1.95		B7L0007	03-Dec-17	1.24 g	06-Dec-17 23:04	1
PFOA	ND	0.278	0.975	1.95		B7L0007	03-Dec-17	1.24 g	06-Dec-17 23:04	1
PFOS	3.45	0.278	0.975	1.95		B7L0007	03-Dec-17	1.24 g	06-Dec-17 23:04	1
PFNA	ND	0.278	0.975	1.95		B7L0007	03-Dec-17	1.24 g	06-Dec-17 23:04	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	68.1	50 - 150		B7L0007	03-Dec-17	1.24 g	06-Dec-17 23:04	1
13C4-PFHpA	IS	97.3	50 - 150		B7L0007	03-Dec-17	1.24 g	06-Dec-17 23:04	1
18O2-PFHxS	IS	84.2	50 - 150		B7L0007	03-Dec-17	1.24 g	06-Dec-17 23:04	1
13C2-PFOA	IS	80.2	50 - 150		B7L0007	03-Dec-17	1.24 g	06-Dec-17 23:04	1
13C8-PFOS	IS	87.2	50 - 150		B7L0007	03-Dec-17	1.24 g	06-Dec-17 23:04	1
13C5-PFNA	IS	63.8	50 - 150		B7L0007	03-Dec-17	1.24 g	06-Dec-17 23:04	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
The results are reported in dry weight.
The sample size is reported in wet weight.
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: TRUAX-04-SB01-110917-0.5-1 | **VAL - PFAS**

Client Data				**Laboratory Data**			
Name:	AMEC Foster Wheeler	Matrix:	Soil	Lab Sample:	1701664-10	Column:	BEH C18
Project:	Phase I PFC-29133006.019	Date Collected:	09-Nov-17 11:15	Date Received:	10-Nov-17 08:45		
				% Solids:	76.7		

Analyte	Conc. (ug/kg)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.293	1.03	2.05		B7L0007	03-Dec-17	1.27 g	06-Dec-17 23:16	1
PFHpA	ND	0.293	1.03	2.05		B7L0007	03-Dec-17	1.27 g	06-Dec-17 23:16	1
PFHxS	1.10	0.293	1.03	2.05	J	B7L0007	03-Dec-17	1.27 g	06-Dec-17 23:16	1
PFOA	0.370	0.293	1.03	2.05	J	B7L0007	03-Dec-17	1.27 g	06-Dec-17 23:16	1
PFOS	12.4	0.293	1.03	2.05		B7L0007	03-Dec-17	1.27 g	06-Dec-17 23:16	1
PFNA	ND	0.293	1.03	2.05		B7L0007	03-Dec-17	1.27 g	06-Dec-17 23:16	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	95.5	50 - 150		B7L0007	03-Dec-17	1.27 g	06-Dec-17 23:16	1
13C4-PFHpA	IS	95.2	50 - 150		B7L0007	03-Dec-17	1.27 g	06-Dec-17 23:16	1
18O2-PFHxS	IS	76.0	50 - 150		B7L0007	03-Dec-17	1.27 g	06-Dec-17 23:16	1
13C2-PFOA	IS	79.8	50 - 150		B7L0007	03-Dec-17	1.27 g	06-Dec-17 23:16	1
13C8-PFOS	IS	93.5	50 - 150		B7L0007	03-Dec-17	1.27 g	06-Dec-17 23:16	1
13C5-PFNA	IS	99.4	50 - 150		B7L0007	03-Dec-17	1.27 g	06-Dec-17 23:16	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
The results are reported in dry weight.
The sample size is reported in wet weight.
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: TRUAX-04-SB01-110917-4.5-5 VAL - PFAS

Client Data				Laboratory Data			
Name:	AMEC Foster Wheeler	Matrix:	Soil	Lab Sample:	1701664-11	Column:	BEH C18
Project:	Phase I PFC-29133006.019	Date Collected:	09-Nov-17 11:30	Date Received:	10-Nov-17 08:45		
				% Solids:	88.8		

Analyte	Conc. (ug/kg)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.279	0.979	1.96		B7L0007	03-Dec-17	1.15 g	07-Dec-17 00:00	1
PFHpA	ND	0.279	0.979	1.96		B7L0007	03-Dec-17	1.15 g	07-Dec-17 00:00	1
PFHxS	0.354	0.279	0.979	1.96	J	B7L0007	03-Dec-17	1.15 g	07-Dec-17 00:00	1
PFOA	ND	0.279	0.979	1.96		B7L0007	03-Dec-17	1.15 g	07-Dec-17 00:00	1
PFOS	17.6	0.279	0.979	1.96		B7L0007	03-Dec-17	1.15 g	07-Dec-17 00:00	1
PFNA	0.305	0.279	0.979	1.96	J	B7L0007	03-Dec-17	1.15 g	07-Dec-17 00:00	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	110	50 - 150		B7L0007	03-Dec-17	1.15 g	07-Dec-17 00:00	1
13C4-PFHpA	IS	106	50 - 150		B7L0007	03-Dec-17	1.15 g	07-Dec-17 00:00	1
18O2-PFHxS	IS	95.0	50 - 150		B7L0007	03-Dec-17	1.15 g	07-Dec-17 00:00	1
13C2-PFOA	IS	107	50 - 150		B7L0007	03-Dec-17	1.15 g	07-Dec-17 00:00	1
13C8-PFOS	IS	99.0	50 - 150		B7L0007	03-Dec-17	1.15 g	07-Dec-17 00:00	1
13C5-PFNA	IS	93.2	50 - 150		B7L0007	03-Dec-17	1.15 g	07-Dec-17 00:00	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
The results are reported in dry weight.
The sample size is reported in wet weight.
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: TRUAX-05-SB01-110917-0.5-1 **VAL - PFAS**

Client Data

Name:	AMEC Foster Wheeler	Matrix:	Soil
Project:	Phase I PFC-29133006.019	Date Collected:	09-Nov-17 11:45

Laboratory Data

Lab Sample:	1701664-12	Column:	BEH C18
Date Received:	10-Nov-17 08:45		
% Solids:	83.0		

Analyte	Conc. (ug/kg)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.286	1.00	2.01		B7L0007	03-Dec-17	1.20 g	07-Dec-17 00:12	1
PFHpA	1.85	0.286	1.00	2.01	J	B7L0007	03-Dec-17	1.20 g	07-Dec-17 00:12	1
PFHxS	38.8	0.286	1.00	2.01		B7L0007	03-Dec-17	1.20 g	07-Dec-17 00:12	1
PFOA	4.58	0.286	1.00	2.01		B7L0007	03-Dec-17	1.20 g	07-Dec-17 00:12	1
PFOS	88.0	0.286	1.00	2.01		B7L0007	03-Dec-17	1.20 g	07-Dec-17 00:12	1
PFNA	1.26	0.286	1.00	2.01	J	B7L0007	03-Dec-17	1.20 g	07-Dec-17 00:12	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	129	50 - 150		B7L0007	03-Dec-17	1.20 g	07-Dec-17 00:12	1
13C4-PFHpA	IS	110	50 - 150		B7L0007	03-Dec-17	1.20 g	07-Dec-17 00:12	1
18O2-PFHxS	IS	85.9	50 - 150		B7L0007	03-Dec-17	1.20 g	07-Dec-17 00:12	1
13C2-PFOA	IS	86.1	50 - 150		B7L0007	03-Dec-17	1.20 g	07-Dec-17 00:12	1
13C8-PFOS	IS	101	50 - 150		B7L0007	03-Dec-17	1.20 g	07-Dec-17 00:12	1
13C5-PFNA	IS	99.6	50 - 150		B7L0007	03-Dec-17	1.20 g	07-Dec-17 00:12	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
The results are reported in dry weight.
The sample size is reported in wet weight.
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: TRUAX-05-SB01-110917-0.5-1 **VAL - PFAS**

Name:	AMEC Foster Wheeler	Lab Sample:	B7L0007-MS1/B7L0007-MSD1	Source Lab Sample:	1701664-12
Project:	Phase I PFC-29133006.019	QC Batch:	B7L0007	Date Extracted:	03-Dec-17
Matrix:	Solid	Samp Size:	1.25/1.18 g	Column:	BEH C18

Analyte	Sample (ug/kg)	MS (ug/kg)	MS Spike Amt	MS % Rec	MS Quals	MSD (ug/kg)	MSD Spike Amt	MSD % Rec	RPD	MSD Quals	%Rec Limits	RPD Limits	MS Analyzed	MS Dil	MSD Analyzed	MSD Dil
PFBS	ND	8.76	9.64	89.7		9.31	10.2	90.2	0.556		70-130	30	06-Dec-17 21:13	1	06-Dec-17 21:24	1
PFHpA	1.85	9.49	9.64	79.2		11.0	10.2	89.2	11.9		70-130	30	06-Dec-17 21:13	1	06-Dec-17 21:24	1
PFHxS	38.8	44.7	9.64	61.0	H	41.0	10.2	21.6	95.4	H	70-130	30	06-Dec-17 21:13	1	06-Dec-17 21:24	1
PFOA	4.58	10.5	9.64	61.7	H	12.6	10.2	78.8	24.3		70-130	30	06-Dec-17 21:13	1	06-Dec-17 21:24	1
PFOS	88.0	121	9.64	342	H	116	10.2	272	22.8	H	70-130	30	06-Dec-17 21:13	1	06-Dec-17 21:24	1
PFNA	1.26	9.52	9.64	85.7		10.5	10.2	91.0	6.00		70-130	30	06-Dec-17 21:13	1	06-Dec-17 21:24	1

Labeled Standards	Type	MS % Rec	MS Quals	MSD % Rec	MSD Quals	Limits	MS Analyzed	MS Dil	MSD Analyzed	MSD Dil
13C3-PFBS	IS	47.0	H	89.1		50-150	06-Dec-17 21:13	1	06-Dec-17 21:24	1
13C4-PFHpA	IS	72.7		85.4		50-150	06-Dec-17 21:13	1	06-Dec-17 21:24	1
18O2-PFHxS	IS	48.3	H	77.0		50-150	06-Dec-17 21:13	1	06-Dec-17 21:24	1
13C2-PFOA	IS	77.5		70.1		50-150	06-Dec-17 21:13	1	06-Dec-17 21:24	1
13C8-PFOS	IS	67.2		69.0		50-150	06-Dec-17 21:13	1	06-Dec-17 21:24	1
13C5-PFNA	IS	59.4		77.2		50-150	06-Dec-17 21:13	1	06-Dec-17 21:24	1

Sample ID: TRUAX-05-SB01-110917-6-6.5

VAL - PFAS

Client Data				**Laboratory Data**			
Name:	AMEC Foster Wheeler	Matrix:	Soil	Lab Sample:	1701664-13	Column:	BEH C18
Project:	Phase I PFC-29133006.019	Date Collected:	09-Nov-17 12:00	Date Received:	10-Nov-17 08:45		
				% Solids:	92.3		

Analyte	Conc. (ug/kg)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.297	1.04	2.08		B7L0007	03-Dec-17	1.04 g	07-Dec-17 00:23	1
PFHpA	ND	0.297	1.04	2.08		B7L0007	03-Dec-17	1.04 g	07-Dec-17 00:23	1
PFHxS	2.00	0.297	1.04	2.08	J	B7L0007	03-Dec-17	1.04 g	07-Dec-17 00:23	1
PFOA	ND	0.297	1.04	2.08		B7L0007	03-Dec-17	1.04 g	07-Dec-17 00:23	1
PFOS	ND	0.297	1.04	2.08		B7L0007	03-Dec-17	1.04 g	07-Dec-17 00:23	1
PFNA	ND	0.297	1.04	2.08		B7L0007	03-Dec-17	1.04 g	07-Dec-17 00:23	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	85.2	50 - 150		B7L0007	03-Dec-17	1.04 g	07-Dec-17 00:23	1
13C4-PFHpA	IS	82.2	50 - 150		B7L0007	03-Dec-17	1.04 g	07-Dec-17 00:23	1
18O2-PFHxS	IS	86.1	50 - 150		B7L0007	03-Dec-17	1.04 g	07-Dec-17 00:23	1
13C2-PFOA	IS	81.3	50 - 150		B7L0007	03-Dec-17	1.04 g	07-Dec-17 00:23	1
13C8-PFOS	IS	87.8	50 - 150		B7L0007	03-Dec-17	1.04 g	07-Dec-17 00:23	1
13C5-PFNA	IS	76.5	50 - 150		B7L0007	03-Dec-17	1.04 g	07-Dec-17 00:23	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
The results are reported in dry weight.
The sample size is reported in wet weight.
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: TRUAX-05-SB03-110917-6-6.5 **VAL - PFAS**

Client Data

Name: AMEC Foster Wheeler
Project: Phase I PFC-29133006.019
Matrix: Soil
Date Collected: 09-Nov-17 09:15

Laboratory Data

Lab Sample: 1701664-14
Date Received: 10-Nov-17 08:45
% Solids: 82.5
Column: BEH C18

Analyte	Conc. (ug/kg)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.290	1.02	2.04		B7L0007	03-Dec-17	1.19 g	07-Dec-17 00:34	1
PFHpA	ND	0.290	1.02	2.04		B7L0007	03-Dec-17	1.19 g	07-Dec-17 00:34	1
PFHxS	0.693	0.290	1.02	2.04	J	B7L0007	03-Dec-17	1.19 g	07-Dec-17 00:34	1
PFOA	ND	0.290	1.02	2.04		B7L0007	03-Dec-17	1.19 g	07-Dec-17 00:34	1
PFOS	47.7	0.290	1.02	2.04		B7L0007	03-Dec-17	1.19 g	07-Dec-17 00:34	1
PFNA	1.42	0.290	1.02	2.04	J	B7L0007	03-Dec-17	1.19 g	07-Dec-17 00:34	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	84.1	50 - 150		B7L0007	03-Dec-17	1.19 g	07-Dec-17 00:34	1
13C4-PFHpA	IS	88.8	50 - 150		B7L0007	03-Dec-17	1.19 g	07-Dec-17 00:34	1
18O2-PFHxS	IS	114	50 - 150		B7L0007	03-Dec-17	1.19 g	07-Dec-17 00:34	1
13C2-PFOA	IS	108	50 - 150		B7L0007	03-Dec-17	1.19 g	07-Dec-17 00:34	1
13C8-PFOS	IS	90.8	50 - 150		B7L0007	03-Dec-17	1.19 g	07-Dec-17 00:34	1
13C5-PFNA	IS	97.1	50 - 150		B7L0007	03-Dec-17	1.19 g	07-Dec-17 00:34	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
The results are reported in dry weight.
The sample size is reported in wet weight.
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: TRUAX-09-SB02-2-3 **VAL - PFAS**

Client Data				Laboratory Data			
Name:	AMEC Foster Wheeler	Matrix:	Soil	Lab Sample:	1701664-15	Column:	BEH C18
Project:	Phase I PFC-29133006.019	Date Collected:	08-Nov-17 15:30	Date Received:	10-Nov-17 08:45		
				% Solids:	86.0		

Analyte	Conc. (ug/kg)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.274	0.961	1.92		B7L0007	03-Dec-17	1.21 g	07-Dec-17 00:45	1
PFHpA	ND	0.274	0.961	1.92		B7L0007	03-Dec-17	1.21 g	07-Dec-17 00:45	1
PFHxS	ND	0.274	0.961	1.92		B7L0007	03-Dec-17	1.21 g	07-Dec-17 00:45	1
PFOA	ND	0.274	0.961	1.92		B7L0007	03-Dec-17	1.21 g	07-Dec-17 00:45	1
PFOS	ND	0.274	0.961	1.92		B7L0007	03-Dec-17	1.21 g	07-Dec-17 00:45	1
PFNA	ND	0.274	0.961	1.92		B7L0007	03-Dec-17	1.21 g	07-Dec-17 00:45	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	67.8	50 - 150		B7L0007	03-Dec-17	1.21 g	07-Dec-17 00:45	1
13C4-PFHpA	IS	87.1	50 - 150		B7L0007	03-Dec-17	1.21 g	07-Dec-17 00:45	1
18O2-PFHxS	IS	69.3	50 - 150		B7L0007	03-Dec-17	1.21 g	07-Dec-17 00:45	1
13C2-PFOA	IS	72.9	50 - 150		B7L0007	03-Dec-17	1.21 g	07-Dec-17 00:45	1
13C8-PFOS	IS	66.9	50 - 150		B7L0007	03-Dec-17	1.21 g	07-Dec-17 00:45	1
13C5-PFNA	IS	79.0	50 - 150		B7L0007	03-Dec-17	1.21 g	07-Dec-17 00:45	1

DL - Detection Limit

LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
The results are reported in dry weight.
The sample size is reported in wet weight.
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: TRUAX-09-SB02-110817-8-9 — VAL - PFAS

Client Data

Name: AMEC Foster Wheeler
Project: Phase I PFC-29133006.019
Matrix: Soil
Date Collected: 08-Nov-17 16:00

Laboratory Data

Lab Sample: 1701664-16
Date Received: 10-Nov-17 08:45
% Solids: 95.1
Column: BEH C18

Analyte	Conc. (ug/kg)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.285	1.00	2.00		B7L0007	03-Dec-17	1.05 g	07-Dec-17 00:56	1
PFHpA	ND	0.285	1.00	2.00		B7L0007	03-Dec-17	1.05 g	07-Dec-17 00:56	1
PFHxS	ND	0.285	1.00	2.00		B7L0007	03-Dec-17	1.05 g	07-Dec-17 00:56	1
PFOA	ND	0.285	1.00	2.00		B7L0007	03-Dec-17	1.05 g	07-Dec-17 00:56	1
PFOS	ND	0.285	1.00	2.00		B7L0007	03-Dec-17	1.05 g	07-Dec-17 00:56	1
PFNA	ND	0.285	1.00	2.00		B7L0007	03-Dec-17	1.05 g	07-Dec-17 00:56	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	77.8	50 - 150		B7L0007	03-Dec-17	1.05 g	07-Dec-17 00:56	1
13C4-PFHpA	IS	109	50 - 150		B7L0007	03-Dec-17	1.05 g	07-Dec-17 00:56	1
18O2-PFHxS	IS	95.2	50 - 150		B7L0007	03-Dec-17	1.05 g	07-Dec-17 00:56	1
13C2-PFOA	IS	91.4	50 - 150		B7L0007	03-Dec-17	1.05 g	07-Dec-17 00:56	1
13C8-PFOS	IS	127	50 - 150		B7L0007	03-Dec-17	1.05 g	07-Dec-17 00:56	1
13C5-PFNA	IS	74.0	50 - 150		B7L0007	03-Dec-17	1.05 g	07-Dec-17 00:56	1

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

DATA QUALIFIERS & ABBREVIATIONS

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

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

CERTIFICATIONS

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

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

NELAP Accredited Test Methods

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

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

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

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

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

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

Vista Analytical Laboratory

CHAIN OF CUSTODY

For Laboratory Use Only
Work Order #: 1701664 Temp: 0.6 °C
Storage ID: NR-2 Storage Secured: Yes ☒ No ☐

Project ID: Phase I PFC-29133006.019 PO#: F01320677 Sampler: Faisal Hussan (name)

TAT (check one): Standard: ☐ 21 days; Rush (surcharge may apply) ☐ 14 days ☐ 7 days Specify: ____

Invoice to: Name: Faisal Hussan Company: AMEC FW Address: 9210 Sky Park Ct City: San Diego State: CA Ph#: Fax#:

Relinquished by (printed name and signature)	Date	Time	Received by (printed name and signature)	Date	Time
	11/09/17		B. Benedict (signature)	11/10/17	0914

SHIP TO: Vista Analytical Laboratory
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 673-1520 * Fax (916) 673-0106

ATTN: Sample Receiving

Method of Shipment: Fed Ex

Tracking No.:

Add Analysis(es) Requested

Sample ID	Date	Time	Location/Sample Description	Quantity	Type	Matrix	Mod. EPA Method 537: PFOA/PFOS	UCMR3 PFAS List:6	537 List: 14	Full List of 26	Other: Please List Below UCMR 3 List	EPA Method 537(DW only): PFOA/PFOS	UCMR3 PFAS List:6	PFAS List: 14	Comments
TRUAX-09-SB01-110917-1-2	11/09/17	745	09SB01-1-2	1	SO						X				
TRUAX-09-SB01-110917-9-9.5	↓	800	09SB01-9-9.5	1	SO						↓				
TRUAX-05-SB02-110917-0.5-1	↓	830	05SB02-0.5-1	1	SO						↓				
TRUAX-05-SB02-110917-7-7.5	↓	845	05SB02-7-7.5	1	SO						↓				
TRUAX-05-SB03-~~0.5-1~~ 110917-0.5-1	↓	0900	05SB03-0.5-1	1	SO						↓				
TRUAX-04-SB02-110917-1-2	↓	1015	04SB02-1-2	1	SO						↓				
TRUAX-04-SB02-110917-5-5.5	↓	1030	04SB02-5-5.5	1	SO						↓				
TRUAX-04-SB03-110917-1-2	↓	1055	04SB03-1-2	1	SO						↓				
TRUAX-04-SB03-110917-5-5.5	↓	1100	04SB03-5-5.5	1	SO						↓				
TRUAX-04-SB01-110917-0.5-1	↓	1115	04SB01-0.5-1	1	SO						↓				

Special Instructions/Comments:

SEND DOCUMENTATION AND RESULTS TO:
Name:
Company:
Address:
City: State: Zip:
Phone: Fax:
Email:

Container Types: P= HDPE, PJ= HDPE Jar
O = Other:

Bottle Preservation Type: T = Thiosulfate,
TZ = Trizma:

Matrix Types: AQ = Aqueous, DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum, O = Other:

Rev. No.: 0
Rev. Date: 06/27/2017

* Revised COC received on 11/16/17 *
KW 11/21/17

ID: LR - 537COC   6 of 10

Vista Analytical Laboratory

CHAIN OF CUSTODY

For Laboratory Use Only
Work Order #: 1701664   Temp: 0.6 °C
Storage ID: WR-2   Storage Secured: Yes ☑ No ☐

Project ID: Phase I PFC - 29133006.019   PO#: F01320677   Sampler: Faisal Hussan (name)

TAT (check one): Standard: ☐ 21 days   Rush (surcharge may apply) ☐ 14 days ☐ 7 days Specify:

Invoice to: Name: Faisal Hussan   Company: AMEC FW   Address: ~~9~~ 9210 Sky Park Ct   City: San Diego   State: CA   Ph#:   Fax#:

11/09/17

Relinquished by (printed name and signature)	Date	Time	Received by (printed name and signature)	Date	Time
			B. Benedict [signature]	11/10/17	0914

SHIP TO: Vista Analytical Laboratory
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 673-1520 * Fax (916) 673-0106

ATTN: Sample Receiving

Method of Shipment: Fed Ex
Tracking No.:

Add Analysis(es) Requested

Sample ID	Date	Time	Location/Sample Description	Container(s) Quantity	Container(s) Type	Matrix	Mod. EPA Method 537: PFOA/PFOS	Mod. EPA Method 537: UCMR3 PFAS List:6	Mod. EPA Method 537: 537 List: 14	Mod. EPA Method 537: Full List of 26	Mod. EPA Method 537: Other: Please List Below: UCMR 3&4	EPA Method 537 (DW only): PFOA/PFOS	EPA Method 537 (DW only): UCMR3 PFAS List:6	EPA Method 537 (DW only): PFAS List: 14	Comments
TRU4X-04-SB01-~~4.5~~110917-4.5	11/09/17	1130	04 SB01-4.5-5	1	SO						X				
TRU4X-05-SB01-110917-0.5-1	↓	1145	05 SB01-0.5-1	1	SO						↓				
TRU4X-05-SB01-110917-6-6.5	↓	1200	05-SB01-6-6.5	1	SO						↓				
TRU4X-05-SB03-110917-6-6.5	↓	0915	05-SB03-6-6.5	1	SO						↓				

Special Instructions/Comments:

SEND DOCUMENTATION AND RESULTS TO:
Name:
Company:
Address:
City: State: Zip:
Phone: Fax:
Email:

Container Types: P= HDPE, PJ= HDPE Jar
O = Other:

Bottle Preservation Type: T = Thiosulfate,
TZ = Trizma:

Matrix Types: AQ = Aqueous, DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum, O = Other:

Page: 1 of 1

Vista Analytical Laboratory

CHAIN OF CUSTODY

For Laboratory Use Only	
Work Order #: 1701664	Temp: 0.6 °C
Storage ID: WR-2	Storage Secured: Yes ☑ No ☐

Project ID: Phase I PFC-29133006.019 PO#: F01320677 Sampler: Faisal Hussan (name)

TAT (check one): Standard: ☐ 21 days Rush (surcharge may apply) ☐ 14 days ☐ 7 days Specify: ______

Invoice to: Name Faisal Hussan Company AMEC FW Address ~~4~~ 9210 Sky Park Ct City San Diego State CA Ph# Fax#

Relinquished by (printed name and signature)	Date	Time	Received by (printed name and signature)	Date	Time
	11/09/17		B Benedict [signature]	11/10/17	0914

SHIP TO: Vista Analytical Laboratory
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 673-1520 * Fax (916) 673-0106

ATTN: Sample Receiving

Method of Shipment: Fed Ex

Tracking No.:

Add Analysis(es) Requested

Sample ID	Date	Time	Location/Sample Description	Container(s) Quantity	Container(s) Type	Matrix	Mod. EPA Method 537: PFOA/PFOS	Mod. EPA Method 537: UCMR3 PFAS List:6	Mod. EPA Method 537: 537 List: 14	Mod. EPA Method 537: Full List of 26	Mod. EPA Method 537: Other: Please List Below: UCMR 3&4	EPA Method 537(DW only): PFOA/PFOS	EPA Method 537(DW only): UCMR3 PFAS List:6	EPA Method 537(DW only): PFAS List: 14	Comments
TRU4x-04-SB01-~~4.5~~-110917-4.5-5	11/09/17	1130	04 SB01-4.5-5	1	SO						X				
TRU4x-05-SB01-110917-0.5-1	↓	1145	05 SB01-0.5-1	1	SO						↓				
TRU4x-05-SB01-110917-6-6.5	↓	1200	05-SB01-6-6.5	1	SO						↓				
TRU4x-05-SB03-110917	↓	0915	05-SB03-6-6.5	1	SO						↓				

Special Instructions/Comments:

SEND DOCUMENTATION AND RESULTS TO:
Name:
Company:
Address:
City: State: Zip:
Phone: Fax:
Email:

Container Types: P= HDPE, PJ= HDPE Jar
O = Other:

Bottle Preservation Type: T = Thiosulfate,
TZ = Trizma:

Matrix Types: AQ = Aqueous, DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum, O = Other:

Vista Analytical Laboratory

CHAIN OF CUSTODY

For Laboratory Use Only
Work Order #: 1701664 Temp: 0.6 °C
Storage ID: WR-2 Storage Secured: Yes ☑ No ☐

Project ID: Phase I PFC-29133006.019 PO#: F01320677 Sampler: Faisal Hussain (name)

TAT (check one): Standard: ☐ 21 days
Rush (surcharge may apply) ☐ 14 days ☐ 7 days Specify:

Invoice to: Name Faisal Hussain Company AMEC FW 11/09/17 Address 9210 Sky Park Ct City San Diego State CA Ph# Fax#

Relinquished by (printed name and signature)	Date	Time	Received by (printed name and signature)	Date	Time
			B. Benedict [signature]	11/10/17	0915

SHIP TO: Vista Analytical Laboratory
1104 Windfield Way
El Dorado Hills, CA 95762
(916) 673-1520 * Fax (916) 673-0106
ATTN: Sample Receiving

Method of Shipment: Fed Ex
Tracking No.:

Add Analysis(es) Requested — Container(s); Mod. EPA Method 537; EPA Method 537(DW only)

Sample ID	Date	Time	Location/Sample Description	Quantity	Type	Matrix	PFOA/PFOS	UCMR3 PFAS List:6	537 List: 14	Full List of 26	Other: Please List Below UCMR 3 list	PFOA/PFOS	UCMR3 PFAS List:6	PFAS List: 14	Comments
TRU4A-09SB02-2-3	11/08/17	1530	09 SB02-2-3	1	SO						X				
TRU4B-09SB02-110817-8-9	11/08/17	1600	09 SB02-8-9	1											

Special Instructions/Comments:

SEND DOCUMENTATION AND RESULTS TO:
Name:
Company:
Address:
City: State: Zip:
Phone: Fax:
Email:

Container Types: P= HDPE, PJ= HDPE Jar
O = Other:

Bottle Preservation Type: T = Thiosulfate,
TZ = Trizma:

Matrix Types: AQ = Aqueous, DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum, O = Other:

Vista Analytical Laboratory

Sample Log-in Checklist

Vista Work Order #: 1701664 TAT 8d

Samples Arrival:	Date/Time 11/10/17 0845	Initials: BSB	Location: WR-2 Shelf/Rack: NA
Logged In:	Date/Time 11/11/17 ~~11/10/17~~ 0922 BSB 11/11/17	Initials: BSB	Location: WR-2 Shelf/Rack: A5

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

Temp °C: 0.5 (uncorrected)	Time: 0909	Thermometer ID: IR-1
Temp °C: 0.6 (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 1 of 2 — Trk # 7884 0299 6219	✓		
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: Collection date in sample IDs on COC for most ID's. Collection date not in sample ID on sample label.

COC ID	Label ID
TRUAX-05-SB03-110917	05SB03-6-6.5 *
TRUAX-09-SB01-110917-9.0-9.5	09SB01-9-9.5
TRUAX-05-SB01-110917-0.5-1.0	04SB01-0.5-1.0 **
TRUAX-09-SB01-110917-1-2	09SB01-1-2
TRUAX-05-SB02-110917-7-7.5	TRUAX-05-SB01-7-7.5 **

ID.: LR – SLC Rev No.: 0 Rev Date: 05/18/2017 Page: 1 of 1

* Recon by sample time ** Cap ID; Recon

Chain of Custody Anomaly/Sample Acceptance Form

Vista Analytical Laboratory

AMEC Foster Wheeler
Denise King
Denise.king@amecfw.com
(978) 392-5339

Workorder Number: 1701664
Date Received: 10-Nov-17 08:45
Documented by/date: B.Benedict 11/11/2017

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
TRUAX-09-SB01-110917-1-2	09-SB01-1-2
TRUAX-09-SB01-110917-9.0-9.5	09-SB01-9-9.5
TRUAX-05-**SB02**-110917-7-7.5	TRUAX-05-**SB01**-7-7.5
TRUAX-05-SB01-110917-0.5-1	**04**-SB01-0.5-1.0
TRUAX-05-SB03-110917	05-SB03-6-6.5

Client Authorization

Proceed with Analysis: YES NO

Signature and Date: Elizabeth Penta 11/16/2017

Client Comments/Instructions: Your COC ID and Jar ID associations are correct. The correct sample IDs are the COC IDs with one revision. The sample ID for TRAUX-05-SB03-110917 was revised (see attached COC) to TRAUX -05-SB03-110917-6-6.5.

EXTRACTION INFORMATION

Process Sheet

Workorder: 1701664

Prep Expiration: 2018-Jan-07
Client: AMEC Foster Wheeler

Workorder Due: 05-Dec-17 00:00
TAT: 25

Method: **VAL - PFAS DoD (LOQ as RL)**
Matrix: **Solid**

Prep Batch: B7L0007

Also run: **Percent Solids**
Version: UCMR 3 (6 Analyte)
DoD: DoD QSM 5.1

Prep Data Entered: KC 12/5/17
Date and Initials

Initial Sequence: S7L0018

LabSampID	A/B	Prep Rec	Spike Rec	ClientSampleID	Comments	Location	Container
1701664-01	A	☑	☐	TRUAX-09-SB01-110917-1-2	"09 SB01-1-2"	WR-2 A-5	HDPE Jar, 6 oz
1701664-02		☑	☐	TRUAX-09-SB01-110917-9.0-9.5	"09 SB01-9-9.5"	WR-2 A-5	HDPE Jar, 6 oz
1701664-03		☑	☐	TRUAX-05-SB02-110917-0.5-1	"TRUAX-05-SB02-0.5-1"	WR-2 A-5	HDPE Jar, 6 oz
1701664-04		☑	☐	TRUAX-05-SB02-110917-7-7.5	"TRUAX-05-SB01-7-7.5"	WR-2 A-5	HDPE Jar, 6 oz
1701664-05		☑	☐	TRUAX-05-SB03-110917-0.5-1	"TRUAX 05-SB03-0.5-1"	WR-2 A-5	HDPE Jar, 6 oz
1701664-06		☑	☐	TRUAX-04-SB02-110917-1-2	"TRUAX-04-SB02-1.0-2.0"	WR-2 A-5	HDPE Jar, 6 oz
1701664-07		☑	☐	TRUAX-04-SB02-110917-5-5.5	"TRUAX-04-SB02-5.0-5.5"	WR-2 A-5	HDPE Jar, 6 oz
1701664-08		☑	☐	TRUAX-04-SB03-110917-1-2	"TRUAX-04-SB03-1.0-2.0"	WR-2 A-5	HDPE Jar, 6 oz
1701664-09		☑	☑	TRUAX-04-SB03-110917-5-5.5		WR-2 A-5	HDPE Jar, 6 oz
1701664-10		☑	☐	TRUAX-04-SB01-110917-0.5-1	"04 SB01-0.5-1.0"	WR-2 A-5	HDPE Jar, 6 oz
1701664-11		☑	☐	TRUAX-04-SB01-110917-4.5-5	"TRUAX-04-SB01-4.5-5.0"	WR-2 A-5	HDPE Jar, 6 oz
1701664-12		☑	☐	TRUAX-05-SB01-110917-0.5-1	"04 SB01-0.5-1.0"	WR-2 A-5	HDPE Jar, 6 oz
1701664-13		☑	☐	TRUAX-05-SB01-110917-6-6.5	"05-SB01 6-6.5"	WR-2 A-5	HDPE Jar, 6 oz
1701664-14		☑	☐	TRUAX-05-SB03-110917	"05 SB03-6-6.0"	WR-2 A-5	HDPE Jar, 6 oz
1701664-15		☑	☑	TRUAX-09-SB02-2-3		WR-2 A-5	HDPE Jar, 6 oz
1701664-16		☑	☐	TRUAX-09-SB02-110817-8-9	"TRUAX-09-SB-8-9"	WR-2 A-5	HDPE Jar, 6 oz

Pre-Prep Check Out: GRB 12/1/17
Pre-Prep Check In: GRB 12/1/17

Prep Check Out: KC 12/3/17
Prep Check In: KC 12/3/17

Prep Reconciled Initals/Date: GRB 12/1/17
Spike Reconciled Initals/Date: KC 12/3/17
VialBoxID: Brett

PREPARATION BENCH SHEET

Matrix: Solid

B7L0007

Chemist: KC

Method: VAL - PFAS DoD (LOQ as RL)

Prepared using: LCMS - Sonication/SPE Extraction

Prep Date/Time: 03-Dec-17 ~~11:46~~ 1400 KC 12/3/17

BalanceID: HRMS-8

VISTA Sample ID	Sample Amt. (g)	IS/NS CHEM/WIT DATE	Pre-Ext	Extraction	SPE	RS CHEM/WIT DATE
B7L0007-BLK1	(1.00)	KC MW 12/3/17	KC 12/3/17	GRB HIV 12/4/17	GRB JC 12-4-17	JC GRB 12-4-17
B7L0007-BS1	(1.00)					
B7L0007-MS1 ~~1701664-12~~	1.25					
B7L0007-MSD1 ~~1701664-12~~	1.18					
1701664-01	1.23					
1701664-02	1.13					
1701664-03	1.14					
1701664-04	1.13					
1701664-05	1.25					
1701664-06	1.15					
1701664-07	1.35					
1701664-08	1.10					
1701664-09	1.24					
1701664-10	1.27					
1701664-11	1.15					
1701664-12	1.20					

IS: 17K0822, 10µL (V2)
IS SUP: NA
NS: 17J1820, 10µL (V2)
RS: 17K1501, 10µL (V3)

Ext SOLV: 1:1 ACN/MeOH
SPE Chem: Strata X-AW 33µm 200mg/6ml
Ele SOLV: 0.5% NH4OH in MeOH/MeOH
Final Volume(s): 1mL

Notes:

PREPARATION BENCH SHEET

Matrix: Solid

B7L0007

Chemist: KC

Method: VAL - PFAS DoD (LOQ as RL)

Prepared using: LCMS - Sonication/SPE Extraction

Prep Date/Time: 03-Dec-17 ~~11:46~~ 1400 KC 12/3/17

BalanceID: HRMS-8

VISTA Sample ID	Sample Amt. (g)	IS/NS CHEM/WIT DATE	Pre-Ext	Extraction	SPE	RS CHEM/WIT DATE
1701664-13	1.04	KC MM 12/3/17	KC 12/3/17	GRB HN 12/4/17	GRB TK 12-7-17	TK GRB 12-7-17
1701664-14	1.19					
1701664-15	1.21					
1701664-16	1.05					

IS: 17K0822, 10µL V2
IS SUP: NA
NS: 17J1820, 10µL V2
RS: 17K2502, 10µL V3

Ext SOLV: 1:1 ACN / MeOH
SPE Chem: Strata X-AW 33µm 200mg 6mL
Ele SOLV: 0.5% NH4OH in MeOH/MeOH
Final Volume(s): 1mL

Notes:

Batch: B7L0007

Matrix: Solid

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
1701664-01	1.23	83.25	**1.0240**	1000	03-Dec-17 14:00	GRB			Soil	VAL - PFAS DoD (LOQ as
1701664-02	1.13	86.79653	**0.9808**	1000	03-Dec-17 14:00	GRB			Soil	VAL - PFAS DoD (LOQ as
1701664-03	1.14	85.93351	**0.9796**	1000	03-Dec-17 14:00	GRB			Soil	VAL - PFAS DoD (LOQ as
1701664-04	1.13	86.02771	**0.9721**	1000	03-Dec-17 14:00	GRB			Soil	VAL - PFAS DoD (LOQ as
1701664-05	1.25	82.64059	**1.0330**	1000	03-Dec-17 14:00	GRB			Soil	VAL - PFAS DoD (LOQ as
1701664-06	1.15	83.86629	**0.9645**	1000	03-Dec-17 14:00	GRB			Soil	VAL - PFAS DoD (LOQ as
1701664-07	1.35	77.2	**1.0422**	1000	03-Dec-17 14:00	GRB			Soil	VAL - PFAS DoD (LOQ as
1701664-08	1.1	93.55742	**1.0291**	1000	03-Dec-17 14:00	GRB			Soil	VAL - PFAS DoD (LOQ as
1701664-09	1.24	82.68398	**1.0253**	1000	03-Dec-17 14:00	GRB			Soil	VAL - PFAS DoD (LOQ as
1701664-10	1.27	76.65441	**0.9735**	1000	03-Dec-17 14:00	GRB			Soil	VAL - PFAS DoD (LOQ as
1701664-11	1.15	88.80779	**1.0213**	1000	03-Dec-17 14:00	GRB			Soil	VAL - PFAS DoD (LOQ as
1701664-12	1.2	82.97362	**0.9957**	1000	03-Dec-17 14:00	GRB			Soil	VAL - PFAS DoD (LOQ as
1701664-13	1.04	92.30769	**0.9600**	1000	03-Dec-17 14:00	GRB			Soil	VAL - PFAS DoD (LOQ as
1701664-14	1.19	82.48276	**0.9815**	1000	03-Dec-17 14:00	GRB			Soil	VAL - PFAS DoD (LOQ as
1701664-15	1.21	85.99139	**1.0405**	1000	03-Dec-17 14:00	GRB			Soil	VAL - PFAS DoD (LOQ as
1701664-16	1.05	95.14867	**0.9991**	1000	03-Dec-17 14:00	GRB			Soil	VAL - PFAS DoD (LOQ as
B7L0007-BLK1	1	100.00000	1.0000	1000	03-Dec-17 14:00	GRB				QC
B7L0007-BS1	1	100.00000	1.0000	1000	03-Dec-17 14:00	GRB	17J1820	10		QC
B7L0007-MS1	1.25	82.97362	1.0372	1000	03-Dec-17 14:00	GRB	17J1820	10		QC
B7L0007-MSD1	1.18	82.97362	0.9791	1000	03-Dec-17 14:00	GRB	17J1820	10		QC

KC 12/5/17

Percent Moisture/ Percent Solids

D2216-90 BATCH ID B7K0179

Analyst: GRB **Test Code:** %Moist/%Solids

Analyte: **Units:** %

Dried at 110°C+/-5°C

Data Entry Verified by: (Initial and Date) KC ~~12/2~~ 12/3/17 KC 12/3/17

Inst HRMS-8 ✓

Date/Time IN: 12/1/17 10:15 ✓ Date/Time OUT: 12/2/17 1830 ✓

	B	C	D	E	F	G	H	K	M	N	O	P	Q
				Intial and Date:	GRB 12/1/17 ✓	KC 12/2/17 ✓			GRB 12/1/17				
Particle Size	SampID		SampType	Pan Tare Wt. (gms)	Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)	Dry Sample Weight (g)	%Solids RawVal	pH Before	pH After	Acid Added	Cl-	Visual Inspection
NA	1701664-01		Sample	1.2900 ✓	5.2900 ✓	4.6200 ✓	3.3300	83.25	NA	NA	NA	NA	Mud
NA	1701664-02		Sample	1.3400 ✓	5.9600 ✓	5.3500 ✓	4.0100	86.80	NA	NA	NA	NA	Wet Sand
NA	1701664-03		Sample	1.2900 ✓	5.2000 ✓	4.6500 ✓	3.3600	85.93	NA	NA	NA	NA	Damp Soil
NA	1701664-04		Sample	1.3000 ✓	9.9600 ✓	8.7500 ✓	7.4500	86.03	NA	NA	NA	NA	Wet Sand
NA	1701664-05		Sample	1.3100 ✓	5.4000 ✓	4.6900 ✓	3.3800	82.64	NA	NA	NA	NA	Damp Soil
NA	1701664-06		Sample	1.3200 ✓	8.2000 ✓	7.0900 ✓	5.7700	83.87	NA	NA	NA	NA	Mud
NA	1701664-07		Sample	1.3400 ✓	6.3400 ✓	5.2000 ✓	3.8600	77.20	NA	NA	NA	NA	Mud with Rocks
NA	1701664-08		Sample	1.3000 ✓	4.8700 ✓	4.6400 ✓	3.3400	93.56	NA	NA	NA	NA	Dirt
NA	1701664-09		Sample	1.2800 ✓	10.5200 ✓	8.9200 ✓	7.6400	82.68	NA	NA	NA	NA	Wet Sand
NA	1701664-10		Sample	1.3000 ✓	12.1800 ✓	9.6400 ✓	8.3400	76.65	NA	NA	NA	NA	Mud with Rocks
NA	1701664-11		Sample	1.3100 ✓	5.4200 ✓	4.9600 ✓	3.6500	88.81	NA	NA	NA	NA	Wet Sand
NA	1701664-12		Sample	1.3100 ✓	5.4800 ✓	4.7700 ✓	3.4600	82.97	NA	NA	NA	NA	Soil
NA	1701664-13		Sample	1.3200 ✓	7.8200 ✓	7.3200 ✓	6.0000	92.31	NA	NA	NA	NA	Wet Sand
NA	1701664-14		Sample	1.3000 ✓	8.5500 ✓	7.2800 ✓	5.9800	82.48	NA	NA	NA	NA	Wet Sand
NA	1701664-15		Sample	1.3100 ✓	5.9500 ✓	5.3000 ✓	3.9900	85.99	NA	NA	NA	NA	Mud
NA	1701664-16		Sample	1.3100 ✓	7.7000 ✓	7.3900 ✓	6.0800	95.15	NA	NA	NA	NA	Wet Sand

Percent Moisture/ Percent Solids

D2216-90 BATCH ID B7K0179

Analyst: GRB **Test Code:** %Moist/%Solids

Analyte: **Units:** %

Dried at 110°C+/-5°C

Data Entry Verified by: (Initial and Date) NA

Inst HRMS-8

Date/Time IN: 12/1/17 10:15 Date/Time OUT 12/2/17 1830

	B	C	D	E	F	G	H	K	M	N	O	P	Q
				Intial and Date:	GRB 12/1/17	KC 12/2/17			GRB 12/1/17				
Particle Size	SampID		SampType	Pan Tare Wt. (gms)	Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)	Dry Sample Weight (g)	%Solids RawVal	pH Before	pH After	Acid Added	Cl-	Visual Inspection
NA	1701664-01	A	Sample	1.29	5.29	4.62							MUD
	1701664-02	A	Sample	1.34	5.96	5.35							WET SAND
	1701664-03	A	Sample	1.29	5.20	4.65							DAMP SOIL
	1701664-04	A	Sample	1.30	9.96	8.75							WET SAND
	1701664-05	A	Sample	1.31	5.40	4.69							DAMP SOIL
	1701664-06	A	Sample	1.32	8.20	7.09							MUD
	1701664-07	A	Sample	1.34	6.34	5.20							MUD & SAND
	1701664-08	A	Sample	1.30	4.87	4.64							DIRT
	1701664-09	A	Sample	1.28	10.52	8.92							WET SAND
	1701664-10	A	Sample	1.30	12.18	9.64							MUD W/ ROCKS
	1701664-11	A	Sample	1.31	5.42	4.96							WET SAND
	1701664-12	A	Sample	1.31	5.48	4.77							SOIL
	1701664-13	A	Sample	1.32	7.82	7.32							WET SAND
	1701664-14	A	Sample	1.30	8.55	7.28							WET SAND
	1701664-15	A	Sample	1.31	5.95	5.30 KC 12/2/17	KC 12/1/17						MUD
	1701664-16	A	Sample	1.31	7.70	~~5.30~~ 7.39							WET SAND

SAMPLE DATA – VAL - PFAS

Vista Analytical Laboratory

Rev'd: MM 12/8/17

Dataset: U:\Q4.PRO\results\171206M1\171206M1-35.qld

Last Altered: Friday, December 08, 2017 12:39:59 Pacific Standard Time
Printed: Friday, December 08, 2017 13:38:53 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_120517_L9.mdb 08 Dec 2017 09:26:20
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-5-17_L9.cdb 06 Dec 2017 11:25:05

Name: 171206M1_35, Date: 06-Dec-2017, Time: 21:01:58, ID: B7L0007-BLK1 Method Blank 1, Description: Method Blank

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299.0 > 79.7		9.62e2	1.0000		2.55				
2	5 PFHpA	363.0 > 318.9		6.76e3	1.0000		3.65				
3	6 L-PFHxS	398.9 > 79.6	2.19e0	7.26e2	1.0000		3.81	3.84	0.0377		
4	8 L-PFOA	413 > 368.7		7.65e3	1.0000		4.17				
5	10 PFNA	463.0 > 418.8		4.18e3	1.0000		4.61				
6	11 L-PFOS	499 > 79.9		7.91e2	1.0000		4.69				
7	13 13C3-PFBA	216.1 > 171.8	6.01e3	8.56e3	1.0000	0.913	1.34	1.36	8.77	9.61	76.9
8	14 13C3-PFPeA	266. > 221.8	8.71e3	1.35e4	1.0000	0.790	2.28	2.29	8.05	10.2	81.5
9	15 13C3-PFBS	302. > 98.8	9.62e2	1.35e4	1.0000	0.097	2.55	2.57	0.888	9.17	73.3
10	16 13C2-PFHxA	315 > 269.8	3.66e3	1.35e4	1.0000	0.787	3.04	3.06	3.38	4.30	86.0
11	17 13C4-PFHpA	367.2 > 321.8	6.76e3	1.35e4	1.0000	0.620	3.65	3.68	6.25	10.1	80.5
12	18 18O2-PFHxS	403.0 > 102.6	7.26e2	2.03e3	1.0000	0.429	3.81	3.83	4.46	10.4	83.3
13	19 13C2-PFOA	414.9 > 369.7	7.65e3	7.68e3	1.0000	1.194	4.17	4.19	12.5	10.4	83.4
14	20 13C5-PFNA	468.2 > 422.9	4.18e3	5.28e3	1.0000	0.972	4.61	4.63	9.89	10.2	81.4
15	21 13C8-PFOS	507.0 > 79.9	7.91e2	8.84e2	1.0000	1.024	4.69	4.72	11.2	10.9	87.3
16	22 13C4-PFBA	217. > 171.8	8.56e3	8.56e3	1.0000	1.000	1.33	1.36	12.5	12.5	100.0
17	23 13C5-PFHxA	318 > 272.9	1.35e4	1.35e4	1.0000	1.000	3.04	3.06	12.5	12.5	100.0
18	24 13C3-PFHxS	401.9 > 79.9	2.03e3	2.03e3	1.0000	1.000	3.81	3.83	12.5	12.5	100.0
19	25 13C8-PFOA	421.3 > 376	7.68e3	7.68e3	1.0000	1.000	4.17	4.19	12.5	12.5	100.0
20	26 13C9-PFNA	472.2 > 426.9	5.28e3	5.28e3	1.0000	1.000	4.61	4.63	12.5	12.5	100.0
21	27 13C4-PFOS	503 > 79.9	8.84e2	8.84e2	1.0000	1.000	4.69	4.72	12.5	12.5	100.0
22	28 Total PFHxS	398.9 > 79.6	2.19e0	7.26e2	1.0000		3.81		0.000		
23	29 Total PFOA	413 > 368.7	0.00e0	7.65e3	1.0000		4.17		0.000		
24	30 Total PFOS	499 > 79.9	0.00e0	7.91e2	1.0000		4.69		0.000		

MJT12/8/2017

Vista Analytical Laboratory

Rev'd: MM 12/8/17

Dataset: U:\Q4.PRO\results\171206M1\171206M1-35.qld

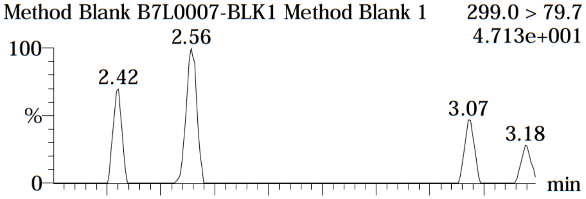
Last Altered: Friday, December 08, 2017 12:39:59 Pacific Standard Time
Printed: Friday, December 08, 2017 13:38:53 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_120517_L9.mdb 08 Dec 2017 09:26:20
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-5-17_L9.cdb 06 Dec 2017 11:25:05

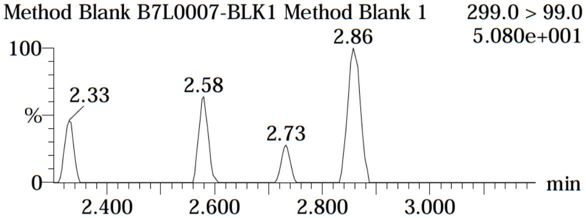
Name: 171206M1_35, Date: 06-Dec-2017, Time: 21:01:58, ID: B7L0007-BLK1 Method Blank 1, Description: Method Blank

PFBS

171206M1_35 Smooth(Mn,1x2) F6:MRM of 2 channels,ES-
Method Blank B7L0007-BLK1 Method Blank 1 299.0 > 79.7
4.713e+001

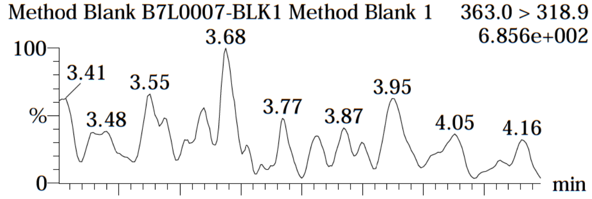


171206M1_35 Smooth(Mn,1x2) F6:MRM of 2 channels,ES-
Method Blank B7L0007-BLK1 Method Blank 1 299.0 > 99.0
5.080e+001

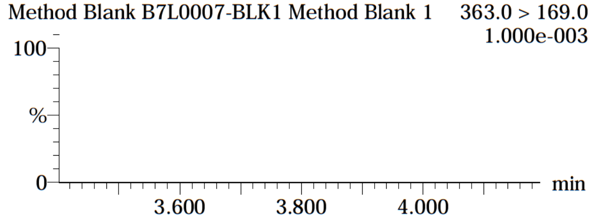


PFHpA

171206M1_35 Smooth(Mn,1x2) F13:MRM of 2 channels,ES-
Method Blank B7L0007-BLK1 Method Blank 1 363.0 > 318.9
6.856e+002

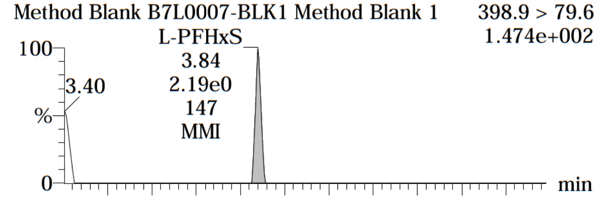


171206M1_35 Smooth(Mn,1x2) F13:MRM of 2 channels,ES-
Method Blank B7L0007-BLK1 Method Blank 1 363.0 > 169.0
1.000e-003

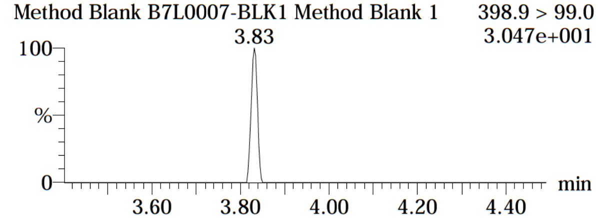


Total PFHxS

171206M1_35 Smooth(Mn,1x2) F15:MRM of 2 channels,ES-
Method Blank B7L0007-BLK1 Method Blank 1 398.9 > 79.6
1.474e+002

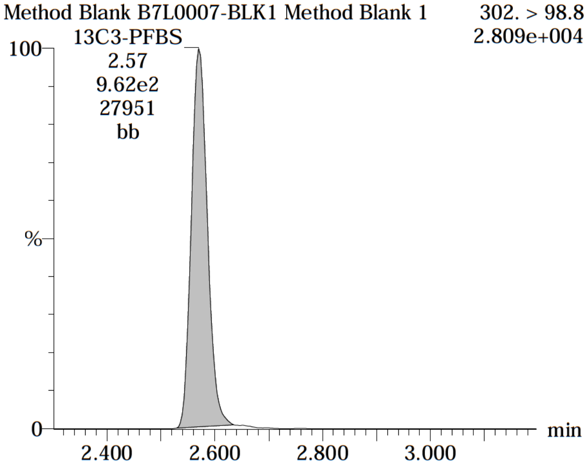


171206M1_35 Smooth(Mn,1x2) F15:MRM of 2 channels,ES-
Method Blank B7L0007-BLK1 Method Blank 1 398.9 > 99.0
3.047e+001



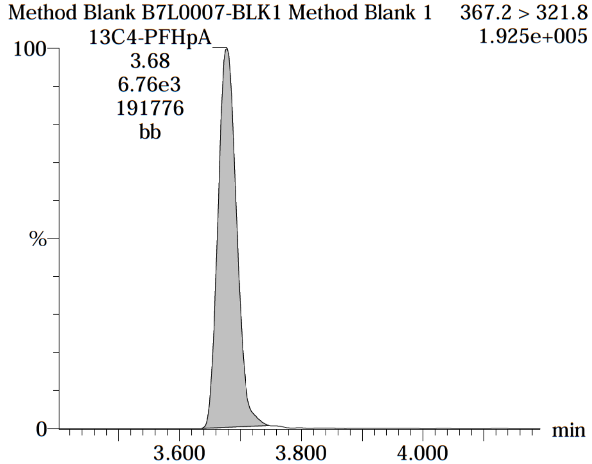
13C3-PFBS

171206M1_35 Smooth(Mn,1x2) F7:MRM of 1 channel,ES-
Method Blank B7L0007-BLK1 Method Blank 1 302. > 98.8
2.809e+004



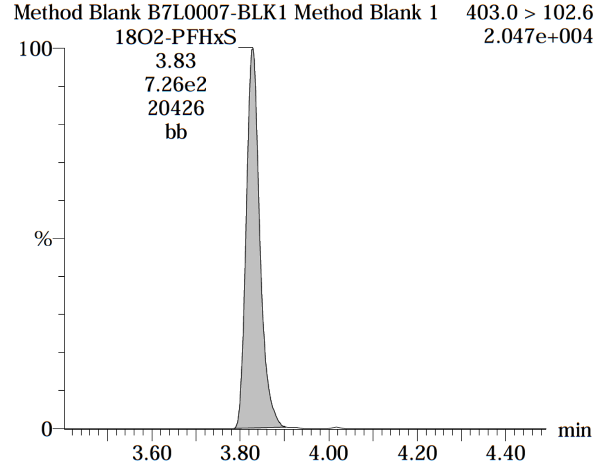
13C4-PFHpA

171206M1_35 Smooth(Mn,1x2) F14:MRM of 1 channel,ES-
Method Blank B7L0007-BLK1 Method Blank 1 367.2 > 321.8
1.925e+005



18O2-PFHxS

171206M1_35 Smooth(Mn,1x2) F17:MRM of 1 channel,ES-
Method Blank B7L0007-BLK1 Method Blank 1 403.0 > 102.6
2.047e+004



MJT12/8/2017

Rev'd: MM 12/8/17

Dataset: U:\Q4.PRO\results\171206M1\171206M1-35.qld

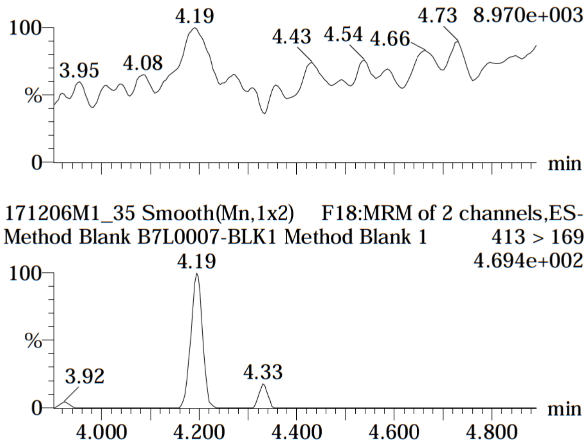
Last Altered: Friday, December 08, 2017 12:39:59 Pacific Standard Time
Printed: Friday, December 08, 2017 13:38:53 Pacific Standard Time

Name: 171206M1_35, Date: 06-Dec-2017, Time: 21:01:58, ID: B7L0007-BLK1 Method Blank 1, Description: Method Blank

Total PFOA

171206M1_35 Smooth(Mn,1x2) F18:MRM of 2 channels,ES-
Method Blank B7L0007-BLK1 Method Blank 1 413 > 368.7
8.970e+003

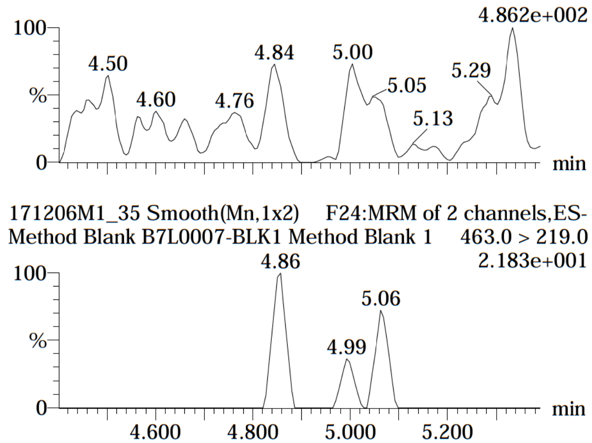
171206M1_35 Smooth(Mn,1x2) F18:MRM of 2 channels,ES-
Method Blank B7L0007-BLK1 Method Blank 1 413 > 169
4.694e+002



PFNA

171206M1_35 Smooth(Mn,1x2) F24:MRM of 2 channels,ES-
Method Blank B7L0007-BLK1 Method Blank 1 463.0 > 418.8
4.862e+002

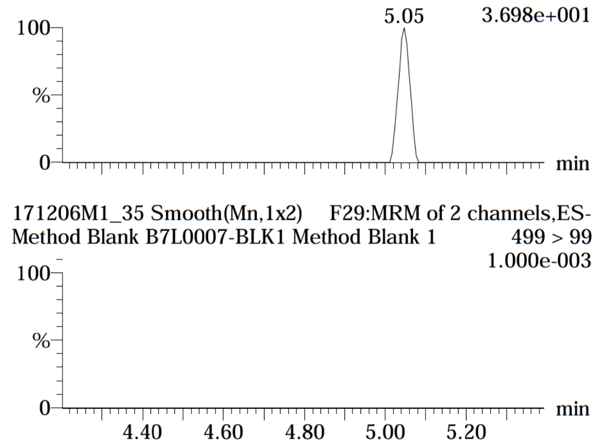
171206M1_35 Smooth(Mn,1x2) F24:MRM of 2 channels,ES-
Method Blank B7L0007-BLK1 Method Blank 1 463.0 > 219.0
2.183e+001



Total PFOS

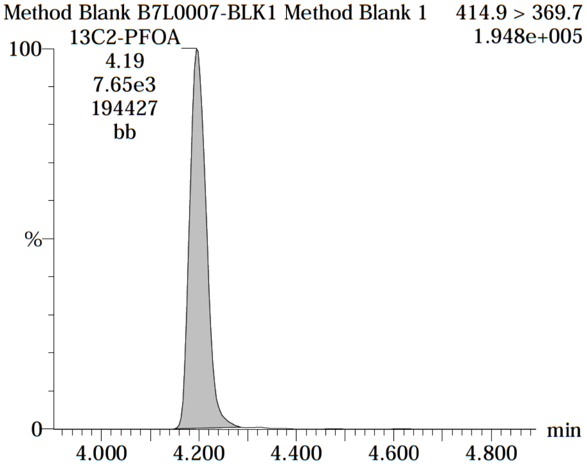
171206M1_35 Smooth(Mn,1x2) F29:MRM of 2 channels,ES-
Method Blank B7L0007-BLK1 Method Blank 1 499 > 79.9
3.698e+001

171206M1_35 Smooth(Mn,1x2) F29:MRM of 2 channels,ES-
Method Blank B7L0007-BLK1 Method Blank 1 499 > 99
1.000e-003



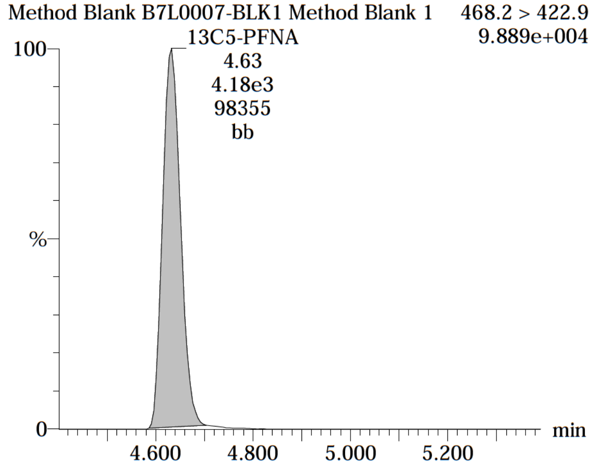
13C2-PFOA

171206M1_35 Smooth(Mn,1x2) F19:MRM of 1 channel,ES-
Method Blank B7L0007-BLK1 Method Blank 1 414.9 > 369.7
1.948e+005



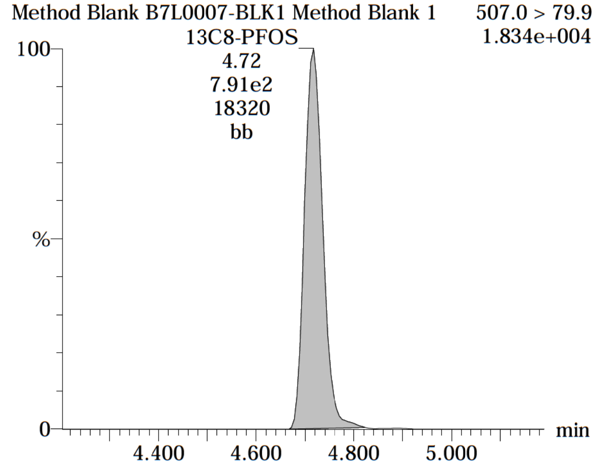
13C5-PFNA

171206M1_35 Smooth(Mn,1x2) F25:MRM of 1 channel,ES-
Method Blank B7L0007-BLK1 Method Blank 1 468.2 > 422.9
9.889e+004



13C8-PFOS

171206M1_35 Smooth(Mn,1x2) F32:MRM of 1 channel,ES-
Method Blank B7L0007-BLK1 Method Blank 1 507.0 > 79.9
1.834e+004



MJT12/8/2017

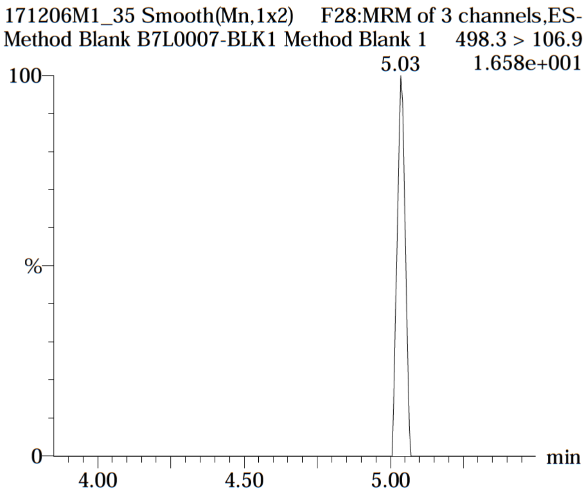
Rev'd: MM 12/8/17

Dataset: U:\Q4.PRO\results\171206M1\171206M1-35.qld

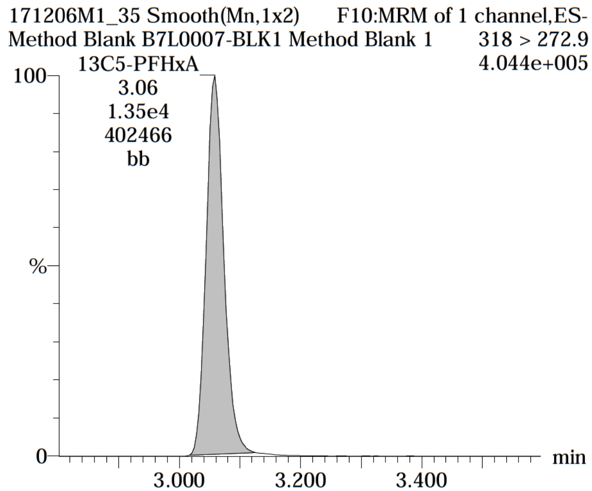
Last Altered: Friday, December 08, 2017 12:39:59 Pacific Standard Time
Printed: Friday, December 08, 2017 13:38:53 Pacific Standard Time

Name: 171206M1_35, Date: 06-Dec-2017, Time: 21:01:58, ID: B7L0007-BLK1 Method Blank 1, Description: Method Blank

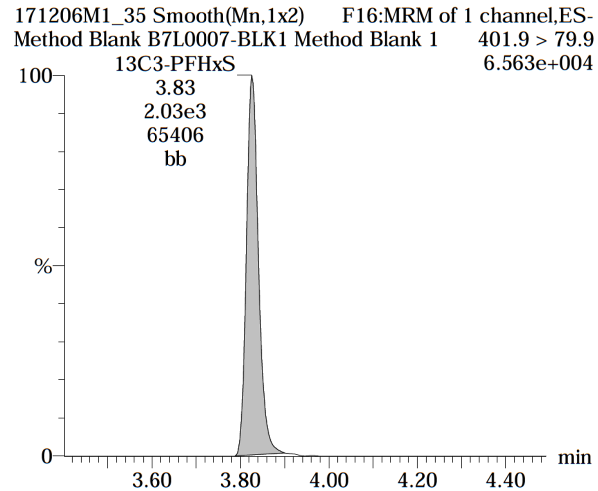
TCDA



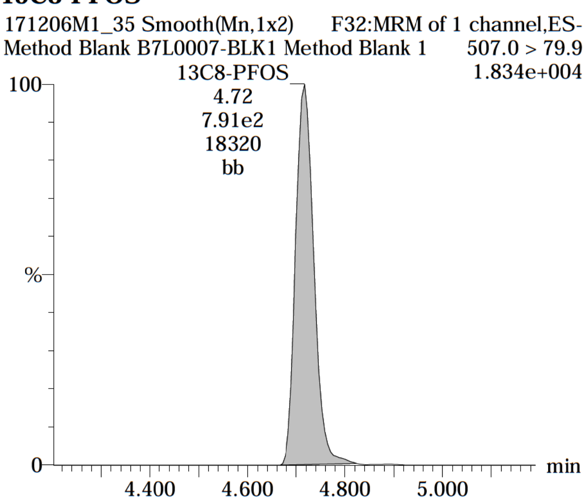
13C5-PFHxA



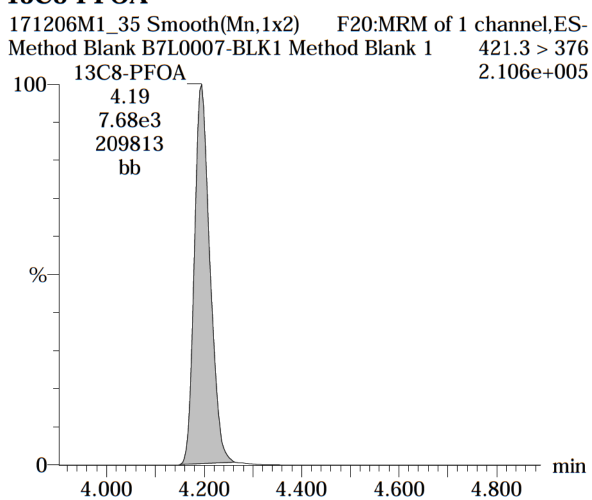
13C3-PFHxS



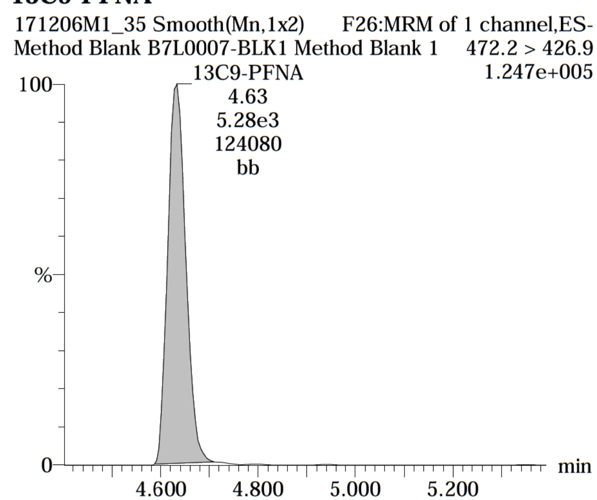
13C8-PFOS



13C8-PFOA



13C9-PFNA



MJT12/8/2017

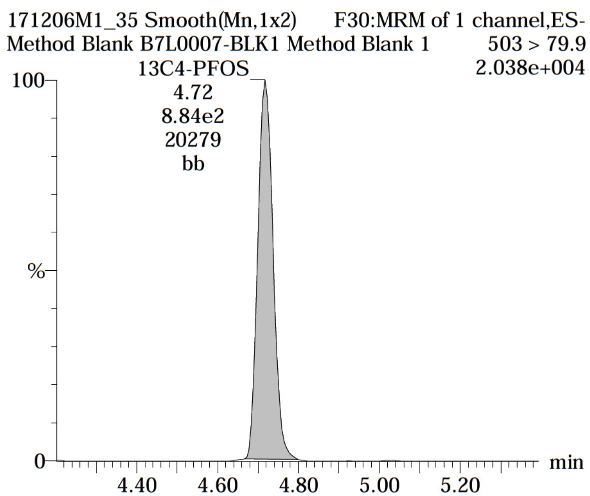
Rev'd: MM 12/8/17

Dataset: U:\Q4.PRO\results\171206M1\171206M1-35.qld

Last Altered: Friday, December 08, 2017 12:39:59 Pacific Standard Time
Printed: Friday, December 08, 2017 13:38:53 Pacific Standard Time

Name: 171206M1_35, Date: 06-Dec-2017, Time: 21:01:58, ID: B7L0007-BLK1 Method Blank 1, Description: Method Blank

13C4-PFOS



MJT12/8/2017

Vista Analytical Laboratory

Rev'd: MM 12/8/17

Dataset: U:\Q4.PRO\results\171206M1\171206M1-33.qld

Last Altered: Friday, December 08, 2017 13:42:36 Pacific Standard Time
Printed: Friday, December 08, 2017 13:43:36 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_120517_L9.mdb 08 Dec 2017 09:26:20
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-5-17_L9.cdb 06 Dec 2017 11:25:05

Name: 171206M1_33, Date: 06-Dec-2017, Time: 20:39:39, ID: B7L0007-BS1 OPR 1, Description: OPR

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7	1.52e3	1.01e3	1.0000		2.55	2.57	18.8	8.75	87.5
2	5	PFHpA	363.0 > 318.9	7.46e3	7.67e3	1.0000		3.65	3.68	12.2	8.76	87.6
3	6	L-PFHxS	398.9 > 79.6	1.42e3	9.87e2	1.0000		3.81	3.83	18.0	8.03	80.3
4	8	L-PFOA	413 > 368.7	5.90e3	9.32e3	1.0000		4.17	4.20	7.92	7.74	77.4
5	10	PFNA	463.0 > 418.8	5.00e3	6.04e3	1.0000		4.61	4.64	10.4	7.86	78.6
6	11	L-PFOS	499 > 79.9	8.54e2	1.17e3	1.0000		4.69	4.72	9.09	8.44	84.4
7	13	13C3-PFBA	216.1 > 171.8	6.94e3	9.27e3	1.0000	0.913	1.34	1.36	9.35	10.2	82.0
8	14	13C3-PFPeA	266. > 221.8	9.27e3	1.22e4	1.0000	0.790	2.28	2.29	9.48	12.0	96.0
9	15	13C3-PFBS	302. > 98.8	1.01e3	1.22e4	1.0000	0.097	2.55	2.57	1.03	10.7	85.4
10	16	13C2-PFHxA	315 > 269.8	4.00e3	1.22e4	1.0000	0.787	3.04	3.06	4.10	5.20	104.1
11	17	13C4-PFHpA	367.2 > 321.8	7.67e3	1.22e4	1.0000	0.620	3.65	3.68	7.84	12.6	101.1
12	18	18O2-PFHxS	403.0 > 102.6	9.87e2	2.41e3	1.0000	0.429	3.81	3.83	5.11	11.9	95.4
13	19	13C2-PFOA	414.9 > 369.7	9.32e3	8.55e3	1.0000	1.194	4.17	4.20	13.6	11.4	91.2
14	20	13C5-PFNA	468.2 > 422.9	6.04e3	7.08e3	1.0000	0.972	4.61	4.63	10.7	11.0	87.8
15	21	13C8-PFOS	507.0 > 79.9	1.17e3	1.27e3	1.0000	1.024	4.69	4.72	11.5	11.2	90.0
16	22	13C4-PFBA	217. > 171.8	9.27e3	9.27e3	1.0000	1.000	1.33	1.36	12.5	12.5	100.0
17	23	13C5-PFHxA	318 > 272.9	1.22e4	1.22e4	1.0000	1.000	3.04	3.06	12.5	12.5	100.0
18	24	13C3-PFHxS	401.9 > 79.9	2.41e3	2.41e3	1.0000	1.000	3.81	3.83	12.5	12.5	100.0
19	25	13C8-PFOA	421.3 > 376	8.55e3	8.55e3	1.0000	1.000	4.17	4.20	12.5	12.5	100.0
20	26	13C9-PFNA	472.2 > 426.9	7.08e3	7.08e3	1.0000	1.000	4.61	4.63	12.5	12.5	100.0
21	27	13C4-PFOS	503 > 79.9	1.27e3	1.27e3	1.0000	1.000	4.69	4.72	12.5	12.5	100.0
22	28	Total PFHxS	398.9 > 79.6	1.42e3	9.87e2	1.0000		3.81		18.0	8.03	
23	29	Total PFOA	413 > 368.7	5.90e3	9.32e3	1.0000		4.17		7.92	7.74	
24	30	Total PFOS	499 > 79.9	8.54e2	1.17e3	1.0000		4.69		9.09	8.44	

MJT12/8/2017

Vista Analytical Laboratory

Rev'd: MM 12/8/17

Dataset: U:\Q4.PRO\results\171206M1\171206M1-33.qld

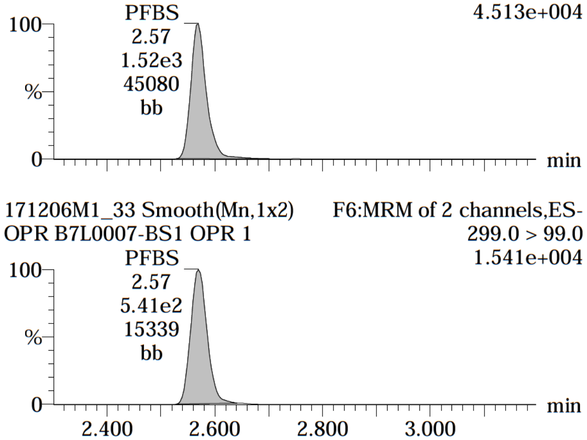
Last Altered: Friday, December 08, 2017 13:42:36 Pacific Standard Time
Printed: Friday, December 08, 2017 13:43:36 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_120517_L9.mdb 08 Dec 2017 09:26:20
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-5-17_L9.cdb 06 Dec 2017 11:25:05

Name: 171206M1_33, Date: 06-Dec-2017, Time: 20:39:39, ID: B7L0007-BS1 OPR 1, Description: OPR

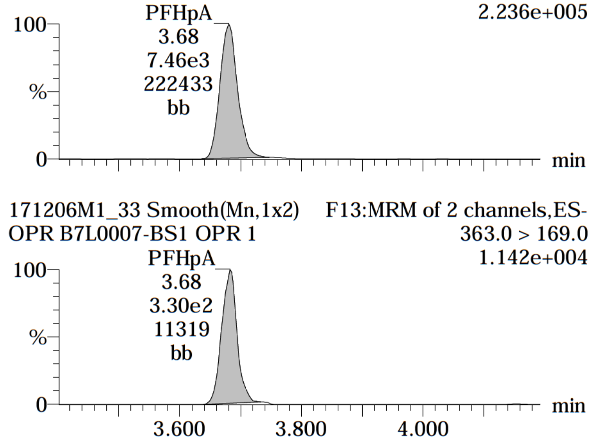
PFBS

171206M1_33 Smooth(Mn,1x2) F6:MRM of 2 channels,ES-
OPR B7L0007-BS1 OPR 1 299.0 > 79.7
4.513e+004



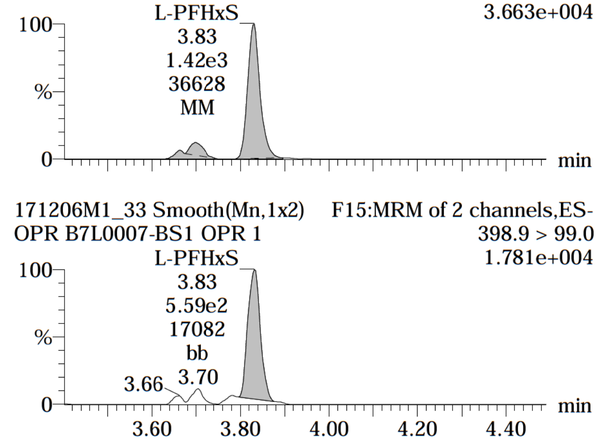
PFHpA

171206M1_33 Smooth(Mn,1x2) F13:MRM of 2 channels,ES-
OPR B7L0007-BS1 OPR 1 363.0 > 318.9
2.236e+005



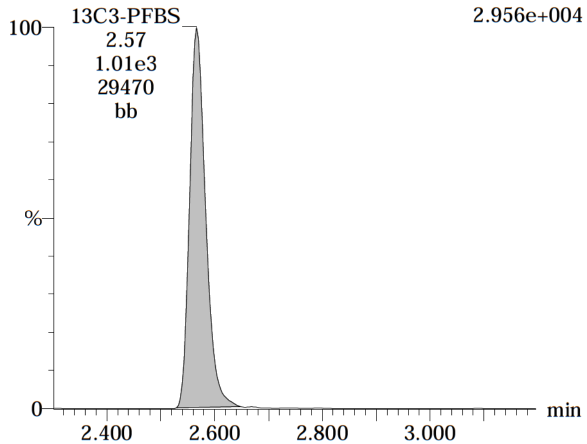
Total PFHxS

171206M1_33 Smooth(Mn,1x2) F15:MRM of 2 channels,ES-
OPR B7L0007-BS1 OPR 1 398.9 > 79.6
3.663e+004



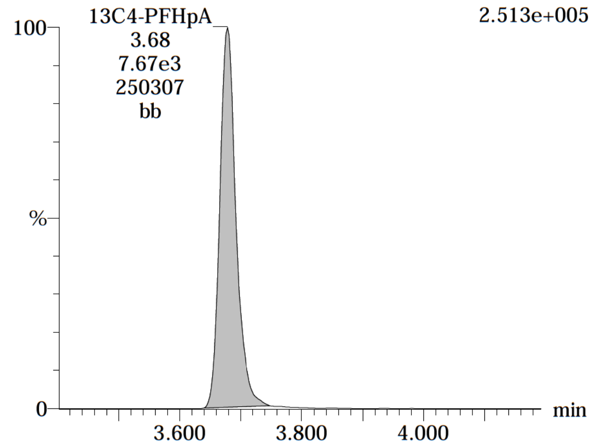
13C3-PFBS

171206M1_33 Smooth(Mn,1x2) F7:MRM of 1 channel,ES-
OPR B7L0007-BS1 OPR 1 302. > 98.8
2.956e+004



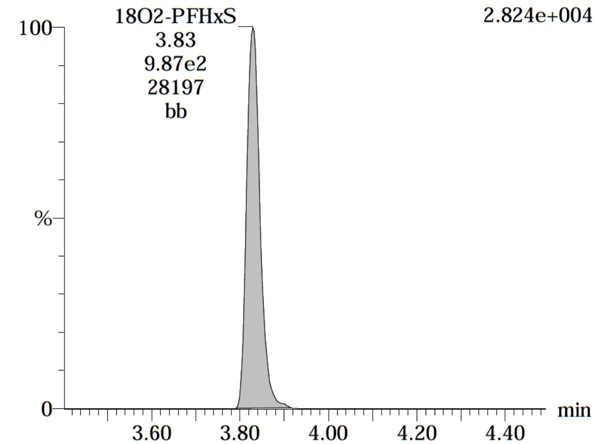
13C4-PFHpA

171206M1_33 Smooth(Mn,1x2) F14:MRM of 1 channel,ES-
OPR B7L0007-BS1 OPR 1 367.2 > 321.8
2.513e+005



18O2-PFHxS

171206M1_33 Smooth(Mn,1x2) F17:MRM of 1 channel,ES-
OPR B7L0007-BS1 OPR 1 403.0 > 102.6
2.824e+004



MJT12/8/2017

Quantify Sample Report **MassLynx MassLynx V4.1 SCN 945**
Vista Analytical Laboratory

Rev'd: MM 12/8/17

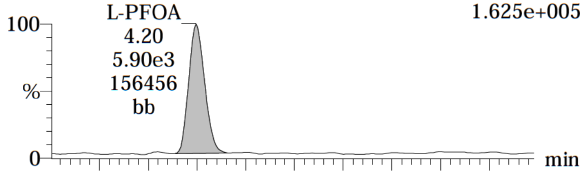
Dataset: U:\Q4.PRO\results\171206M1\171206M1-33.qld

Last Altered: Friday, December 08, 2017 13:42:36 Pacific Standard Time
Printed: Friday, December 08, 2017 13:43:36 Pacific Standard Time

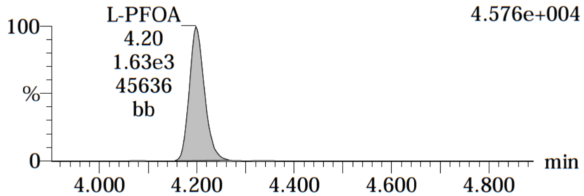
Name: 171206M1_33, Date: 06-Dec-2017, Time: 20:39:39, ID: B7L0007-BS1 OPR 1, Description: OPR

Total PFOA

171206M1_33 Smooth(Mn,1x2) F18:MRM of 2 channels,ES-
OPR B7L0007-BS1 OPR 1 413 > 368.7
1.625e+005

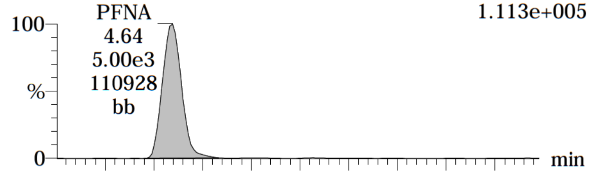


171206M1_33 Smooth(Mn,1x2) F18:MRM of 2 channels,ES-
OPR B7L0007-BS1 OPR 1 413 > 169
4.576e+004

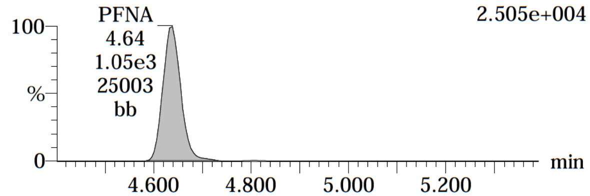


PFNA

171206M1_33 Smooth(Mn,1x2) F24:MRM of 2 channels,ES-
OPR B7L0007-BS1 OPR 1 463.0 > 418.8
1.113e+005

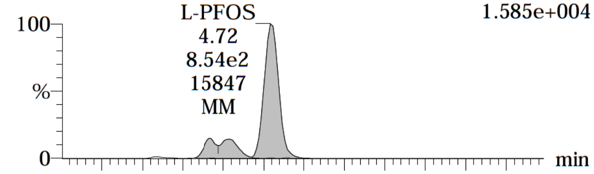


171206M1_33 Smooth(Mn,1x2) F24:MRM of 2 channels,ES-
OPR B7L0007-BS1 OPR 1 463.0 > 219.0
2.505e+004

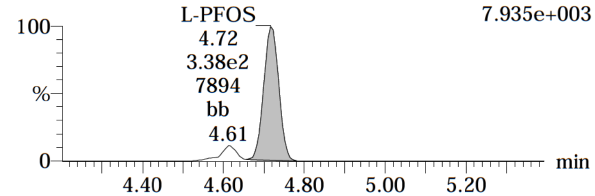


Total PFOS

171206M1_33 Smooth(Mn,1x2) F29:MRM of 2 channels,ES-
OPR B7L0007-BS1 OPR 1 499 > 79.9
1.585e+004

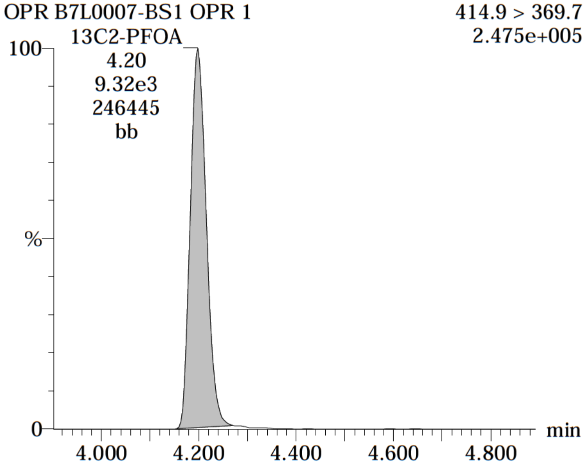


171206M1_33 Smooth(Mn,1x2) F29:MRM of 2 channels,ES-
OPR B7L0007-BS1 OPR 1 499 > 99
7.935e+003



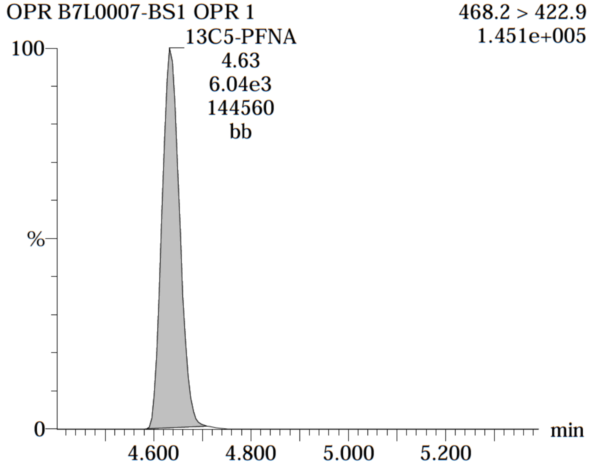
13C2-PFOA

171206M1_33 Smooth(Mn,1x2) F19:MRM of 1 channel,ES-
OPR B7L0007-BS1 OPR 1 414.9 > 369.7
2.475e+005



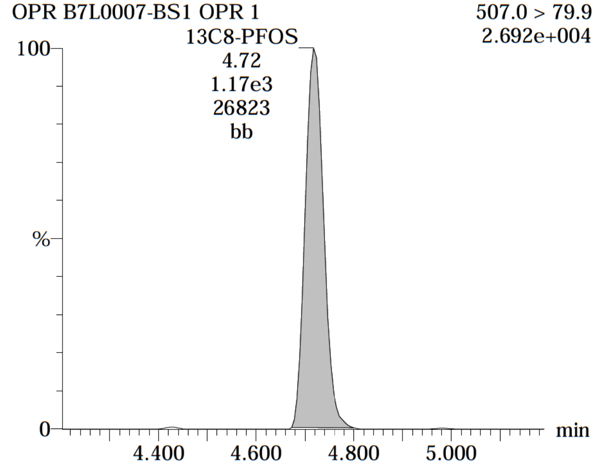
13C5-PFNA

171206M1_33 Smooth(Mn,1x2) F25:MRM of 1 channel,ES-
OPR B7L0007-BS1 OPR 1 468.2 > 422.9
1.451e+005



13C8-PFOS

171206M1_33 Smooth(Mn,1x2) F32:MRM of 1 channel,ES-
OPR B7L0007-BS1 OPR 1 507.0 > 79.9
2.692e+004



MJT12/8/2017

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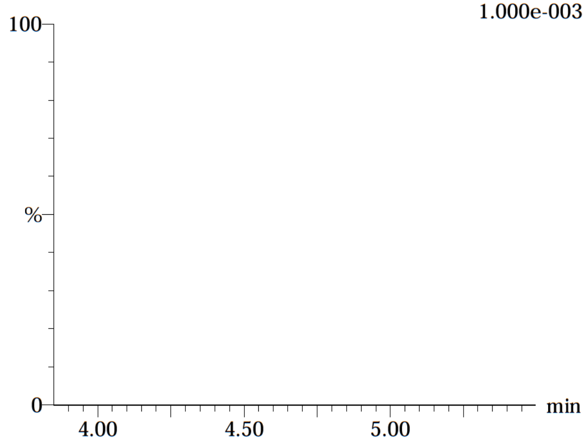
Rev'd: MM 12/8/17

Dataset: U:\Q4.PRO\results\171206M1\171206M1-33.qld

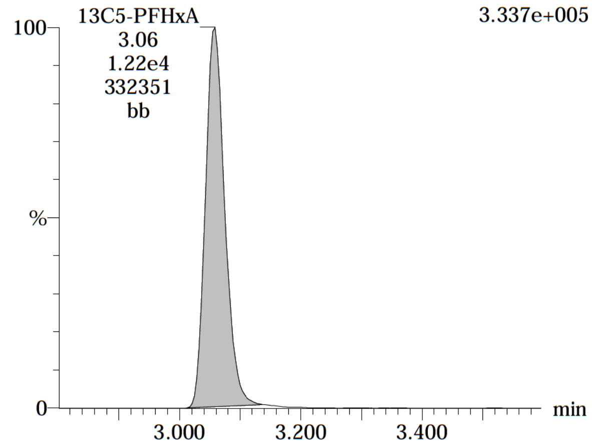
Last Altered: Friday, December 08, 2017 13:42:36 Pacific Standard Time
Printed: Friday, December 08, 2017 13:43:36 Pacific Standard Time

Name: 171206M1_33, Date: 06-Dec-2017, Time: 20:39:39, ID: B7L0007-BS1 OPR 1, Description: OPR

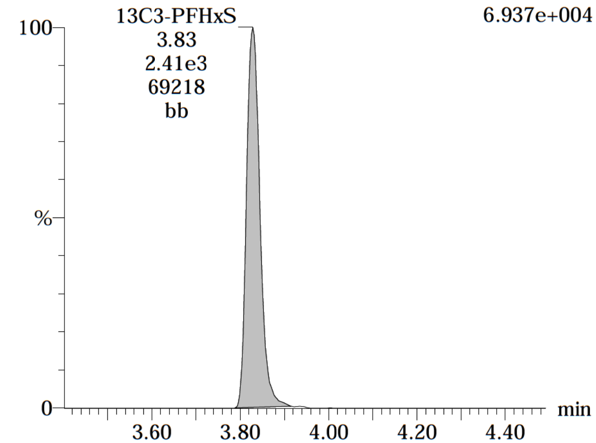
TCDA
171206M1_33 Smooth(Mn,1x2) F28:MRM of 3 channels,ES-
OPR B7L0007-BS1 OPR 1 498.3 > 106.9
1.000e-003



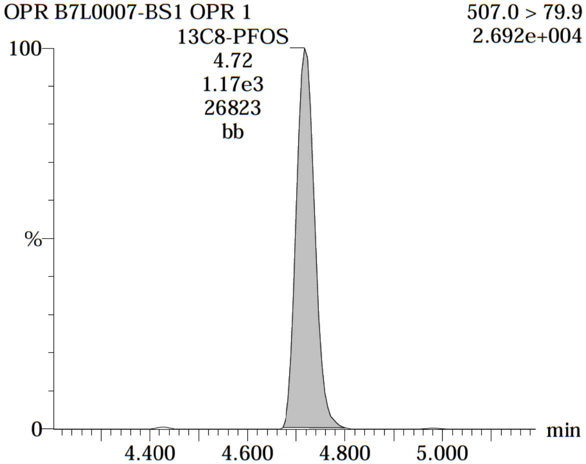
13C5-PFHxA
171206M1_33 Smooth(Mn,1x2) F10:MRM of 1 channel,ES-
OPR B7L0007-BS1 OPR 1 318 > 272.9
3.337e+005



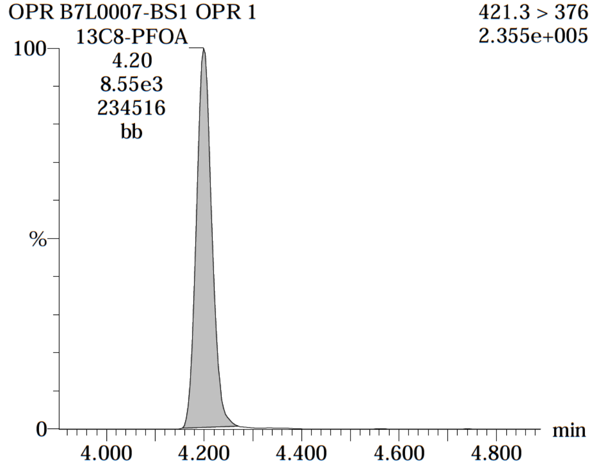
13C3-PFHxS
171206M1_33 Smooth(Mn,1x2) F16:MRM of 1 channel,ES-
OPR B7L0007-BS1 OPR 1 401.9 > 79.9
6.937e+004



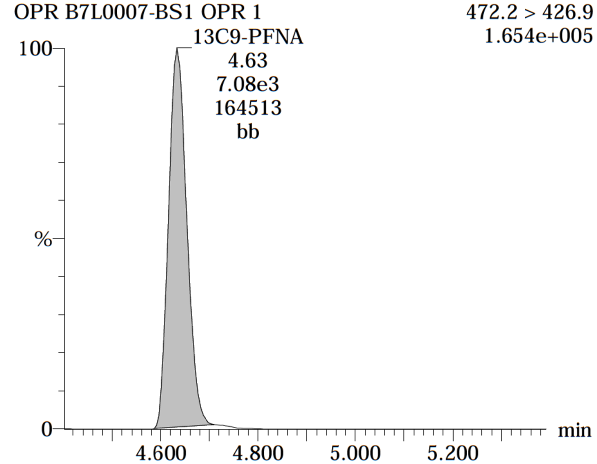
13C8-PFOS
171206M1_33 Smooth(Mn,1x2) F32:MRM of 1 channel,ES-
OPR B7L0007-BS1 OPR 1 507.0 > 79.9
2.692e+004



13C8-PFOA
171206M1_33 Smooth(Mn,1x2) F20:MRM of 1 channel,ES-
OPR B7L0007-BS1 OPR 1 421.3 > 376
2.355e+005



13C9-PFNA
171206M1_33 Smooth(Mn,1x2) F26:MRM of 1 channel,ES-
OPR B7L0007-BS1 OPR 1 472.2 > 426.9
1.654e+005



MJT12/8/2017

Vista Analytical Laboratory

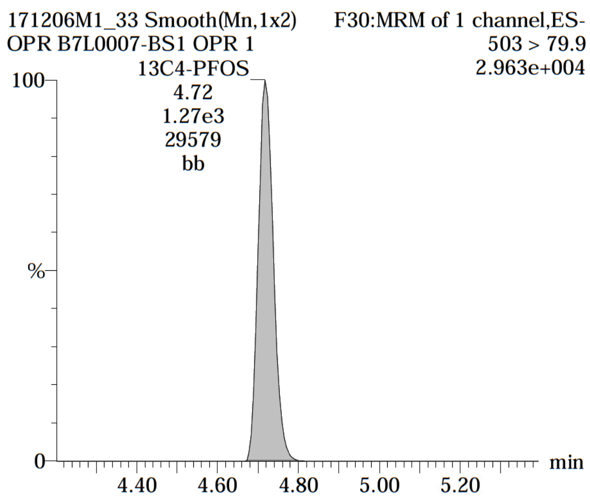
Rev'd: MM 12/8/17

Dataset: U:\Q4.PRO\results\171206M1\171206M1-33.qld

Last Altered: Friday, December 08, 2017 13:42:36 Pacific Standard Time
Printed: Friday, December 08, 2017 13:43:36 Pacific Standard Time

Name: 171206M1_33, Date: 06-Dec-2017, Time: 20:39:39, ID: B7L0007-BS1 OPR 1, Description: OPR

13C4-PFOS



MJT12/8/2017

Vista Analytical Laboratory

Rev'd: MM 12/8/17

Dataset: U:\Q4.PRO\results\171206M1\171206M1-38.qld

Last Altered: Thursday, December 07, 2017 14:08:23 Pacific Standard Time
Printed: Friday, December 08, 2017 17:31:01 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_120517_L9.mdb 07 Dec 2017 11:39:25
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-05-17_L9.cdb 06 Dec 2017 11:25:05

Name: 171206M1_38, Date: 06-Dec-2017, Time: 21:35:30, ID: 1701664-01 TRUAX-09-SB01-110917-1-2 1.23, Description: TRUAX-09-SB01-110917-1-2

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7		1.28e3	1.0240		2.57				
2	5	PFHpA	363.0 > 318.9		7.63e3	1.0240		4.03				
3	6	L-PFHxS	398.9 > 79.6	7.67e1	1.01e3	1.0240		4.19	3.83	0.949	0.392	
4	8	L-PFOA	413 > 368.7		8.65e3	1.0240		4.20				
5	10	PFNA	463.0 > 418.8		6.94e3	1.0240		4.63				
6	11	L-PFOS	499 > 79.9	7.72e1	1.65e3	1.0240		4.72	4.58	0.583	0.601	
7	15	13C3-PFBS	302. > 98.8	1.28e3	1.31e4	1.0240	0.097	2.57	2.57	1.22	12.3	100.4
8	16	13C2-PFHxA	315 > 269.8	3.59e3	1.31e4	1.0240	0.787	3.40	3.06	3.42	4.24	86.9
9	17	13C4-PFHpA	367.2 > 321.8	7.63e3	1.31e4	1.0240	0.620	4.03	3.68	7.27	11.5	93.8
10	18	18O2-PFHxS	403.0 > 102.6	1.01e3	2.63e3	1.0240	0.429	4.17	3.83	4.81	11.0	89.7
11	19	13C2-PFOA	414.9 > 369.7	8.65e3	8.33e3	1.0240	1.194	4.20	4.20	13.0	10.6	86.9
12	20	13C5-PFNA	468.2 > 422.9	6.94e3	9.67e3	1.0240	0.972	4.63	4.63	8.97	9.01	73.8
13	21	13C8-PFOS	507.0 > 79.9	1.65e3	1.67e3	1.0240	1.024	4.72	4.72	12.4	11.8	97.0
14	23	13C5-PFHxA	318 > 272.9	1.31e4	1.31e4	1.0240	1.000	3.40	3.06	12.5	12.2	100.0
15	24	13C3-PFHxS	401.9 > 79.9	2.63e3	2.63e3	1.0240	1.000	4.17	3.83	12.5	12.2	100.0
16	25	13C8-PFOA	421.3 > 376	8.33e3	8.33e3	1.0240	1.000	4.54	4.20	12.5	12.2	100.0
17	26	13C9-PFNA	472.2 > 426.9	9.67e3	9.67e3	1.0240	1.000	4.97	4.63	12.5	12.2	100.0
18	27	13C4-PFOS	503 > 79.9	1.67e3	1.67e3	1.0240	1.000	5.05	4.72	12.5	12.2	100.0
19	28	Total PFHxS	398.9 > 79.6	7.67e1	1.01e3	1.0240		4.17		0.949	0.392	
20	29	Total PFOA	413 > 368.7	0.00e0	8.65e3	1.0240		4.26		0.000		
21	30	Total PFOS	499 > 79.9	7.72e1	1.65e3	1.0240		4.77		0.583	0.601	

ANP 12/8/2017

Vista Analytical Laboratory

Rev'd: MM 12/8/17

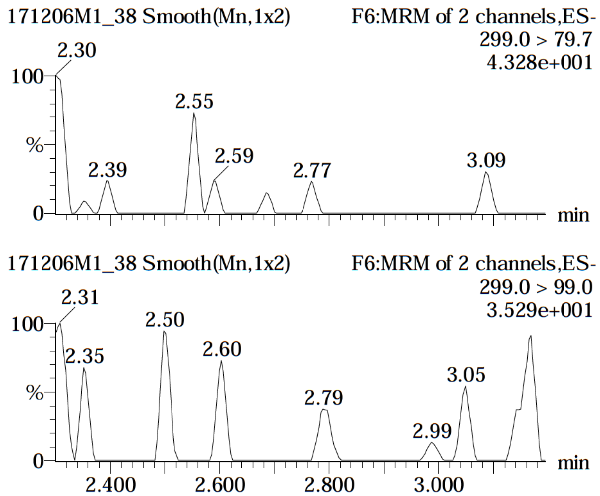
Dataset: U:\Q4.PRO\results\171206M1\171206M1-38.qld

Last Altered: Thursday, December 07, 2017 14:08:23 Pacific Standard Time
Printed: Friday, December 08, 2017 17:31:01 Pacific Standard Time

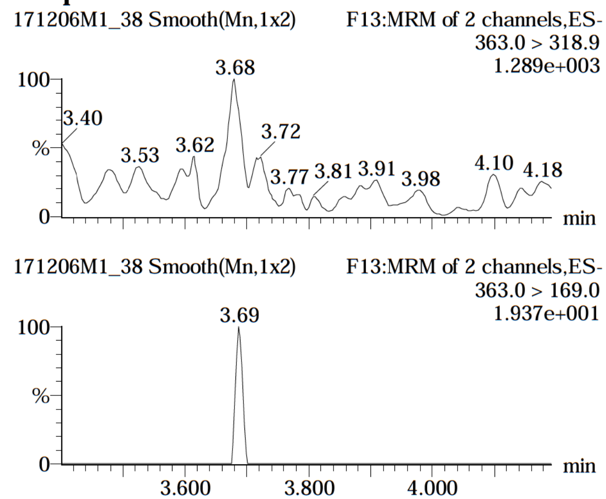
Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_120517_L9.mdb 07 Dec 2017 11:39:25
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-05-17_L9.cdb 06 Dec 2017 11:25:05

Name: 171206M1_38, Date: 06-Dec-2017, Time: 21:35:30, ID: 1701664-01 TRUAX-09-SB01-110917-1-2 1.23, Description: TRUAX-09-SB01-110917-1-2

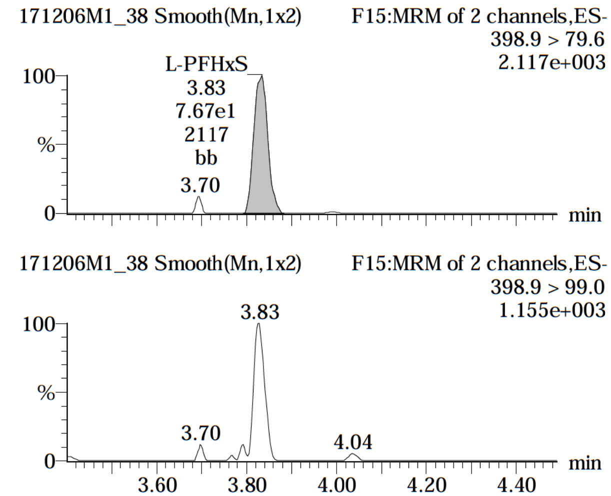
PFBS



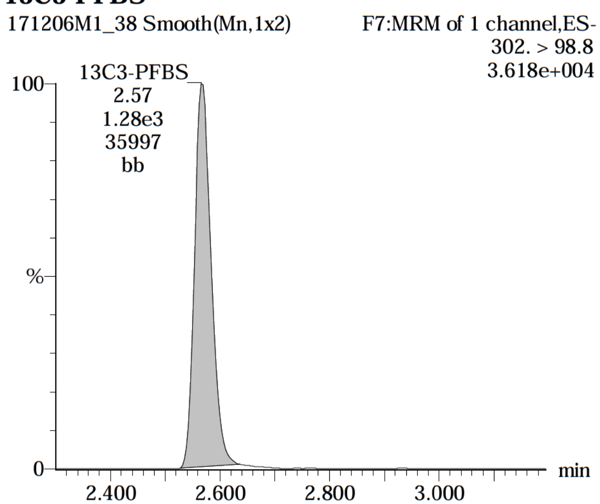
PFHpA



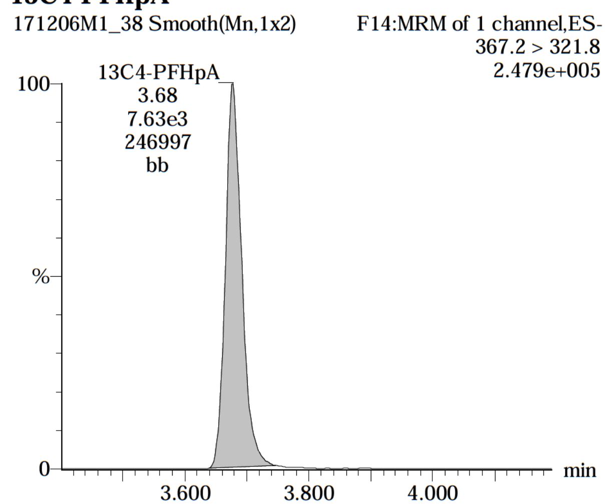
Total PFHxS



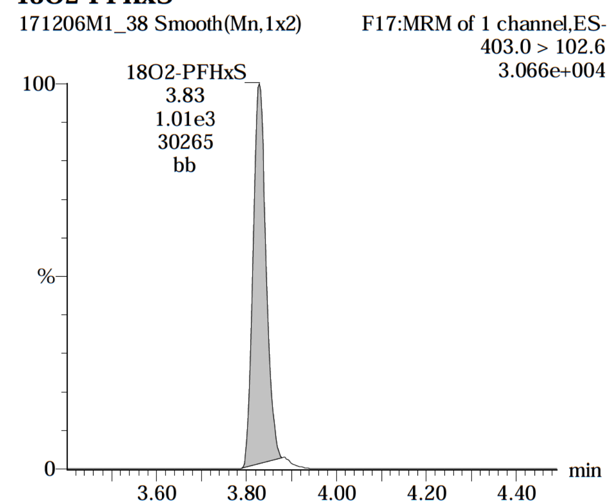
13C3-PFBS



13C4-PFHpA



18O2-PFHxS



ANP 12/8/2017

Vista Analytical Laboratory

Rev'd: MM 12/8/17

Dataset: U:\Q4.PRO\results\171206M1\171206M1-38.qld

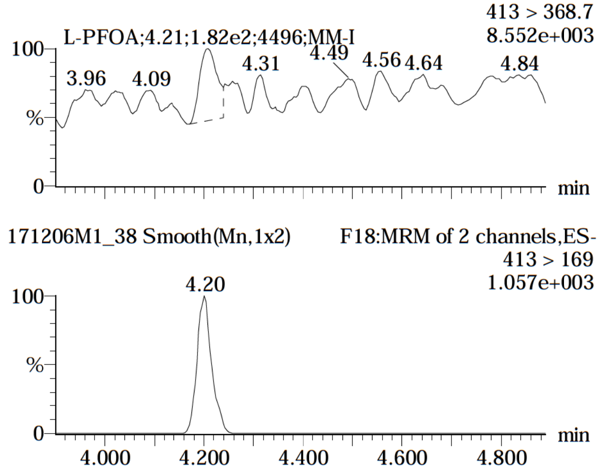
Last Altered: Thursday, December 07, 2017 14:08:23 Pacific Standard Time
Printed: Friday, December 08, 2017 17:31:01 Pacific Standard Time

Name: 171206M1_38, Date: 06-Dec-2017, Time: 21:35:30, ID: 1701664-01 TRUAX-09-SB01-110917-1-2 1.23, Description: TRUAX-09-SB01-110917-1-2

Total PFOA

171206M1_38 Smooth(Mn,1x2) F18:MRM of 2 channels,ES- 413 > 368.7 8.552e+003

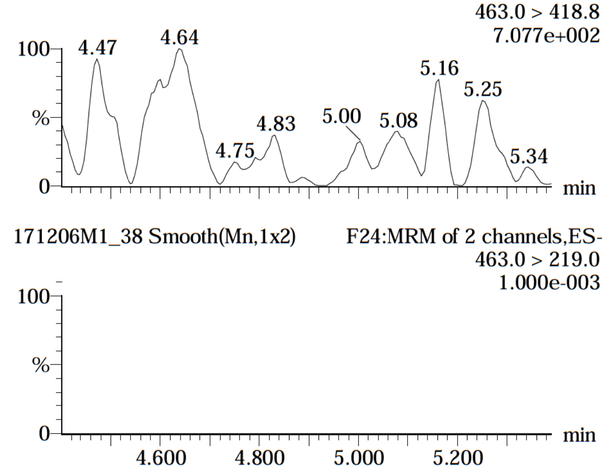
171206M1_38 Smooth(Mn,1x2) F18:MRM of 2 channels,ES- 413 > 169 1.057e+003



PFNA

171206M1_38 Smooth(Mn,1x2) F24:MRM of 2 channels,ES- 463.0 > 418.8 7.077e+002

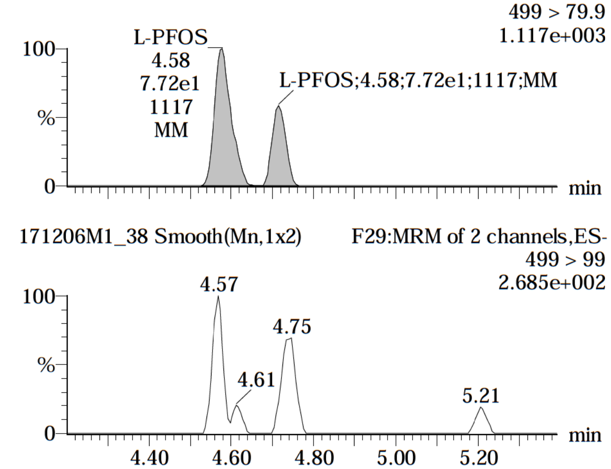
171206M1_38 Smooth(Mn,1x2) F24:MRM of 2 channels,ES- 463.0 > 219.0 1.000e-003



Total PFOS

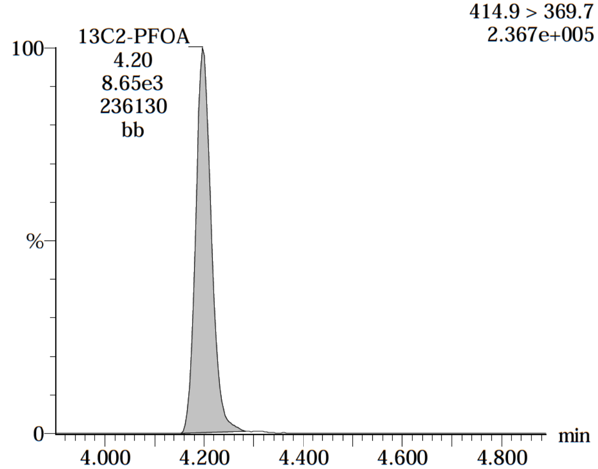
171206M1_38 Smooth(Mn,1x2) F29:MRM of 2 channels,ES- 499 > 79.9 1.117e+003

171206M1_38 Smooth(Mn,1x2) F29:MRM of 2 channels,ES- 499 > 99 2.685e+002



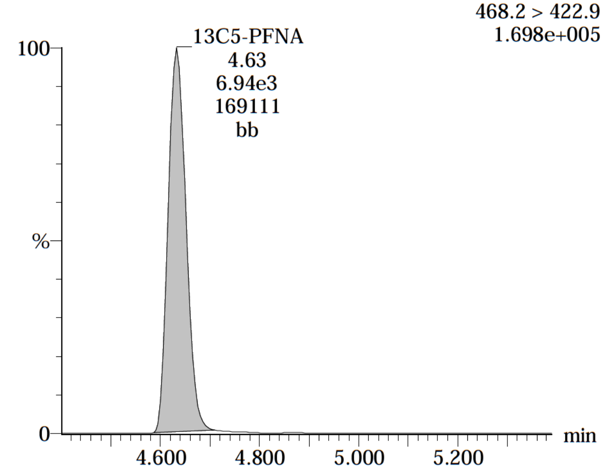
13C2-PFOA

171206M1_38 Smooth(Mn,1x2) F19:MRM of 1 channel,ES- 414.9 > 369.7 2.367e+005



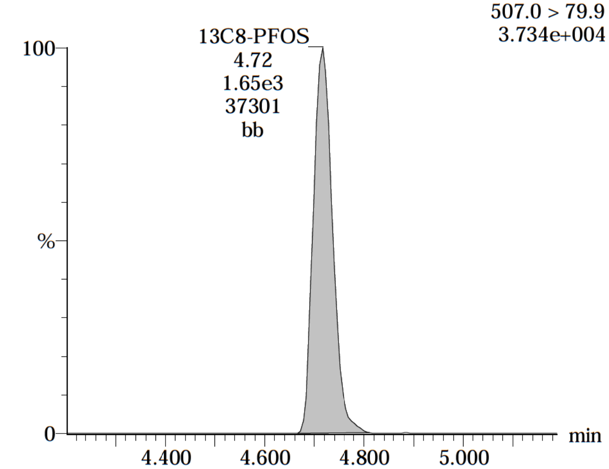
13C5-PFNA

171206M1_38 Smooth(Mn,1x2) F25:MRM of 1 channel,ES- 468.2 > 422.9 1.698e+005



13C8-PFOS

171206M1_38 Smooth(Mn,1x2) F32:MRM of 1 channel,ES- 507.0 > 79.9 3.734e+004



ANP 12/8/2017

Vista Analytical Laboratory

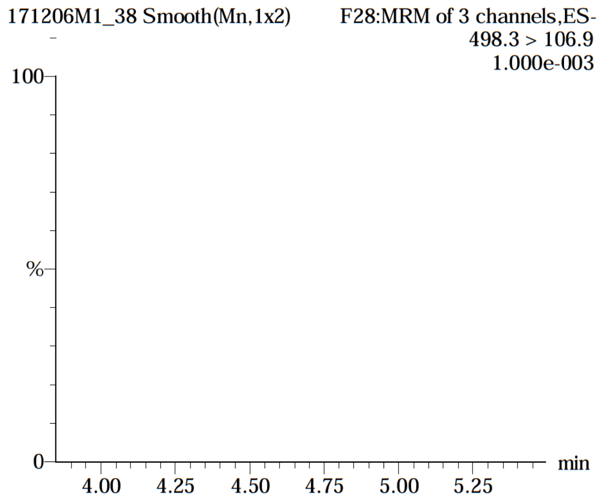
Rev'd: MM 12/8/17

Dataset: U:\Q4.PRO\results\171206M1\171206M1-38.qld

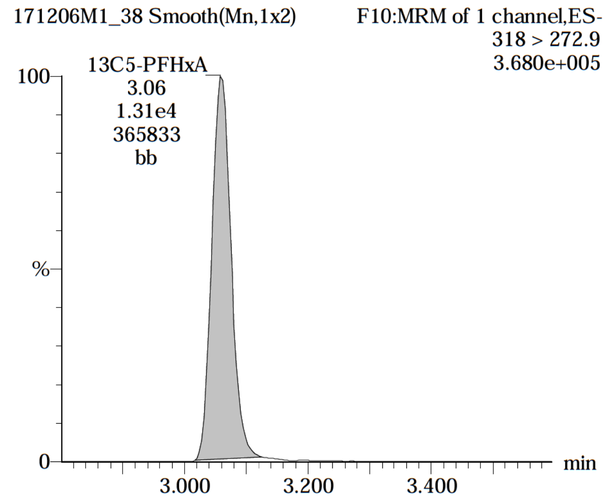
Last Altered: Thursday, December 07, 2017 14:08:23 Pacific Standard Time
Printed: Friday, December 08, 2017 17:31:01 Pacific Standard Time

Name: 171206M1_38, Date: 06-Dec-2017, Time: 21:35:30, ID: 1701664-01 TRUAX-09-SB01-110917-1-2 1.23, Description: TRUAX-09-SB01-110917-1-2

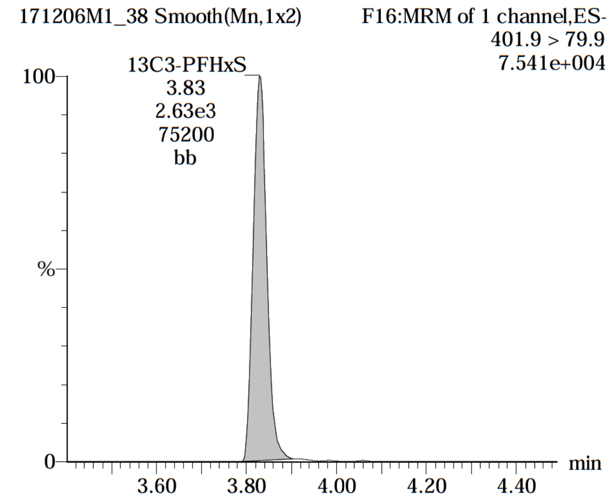
TCDA



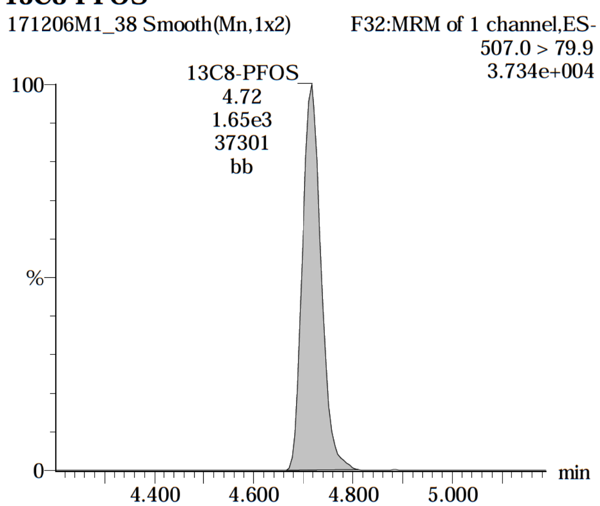
13C5-PFHxA



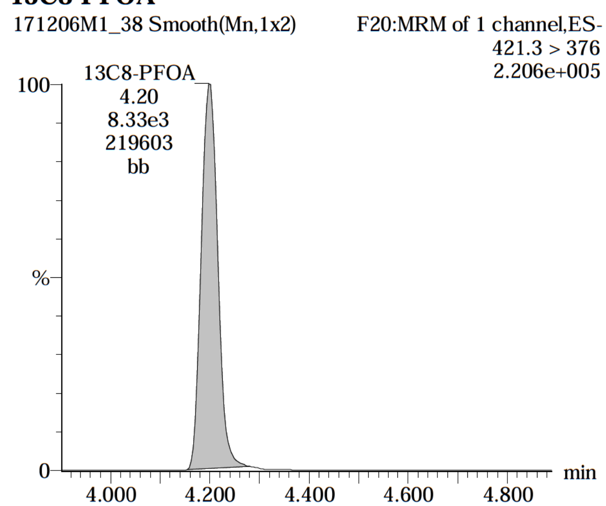
13C3-PFHxS



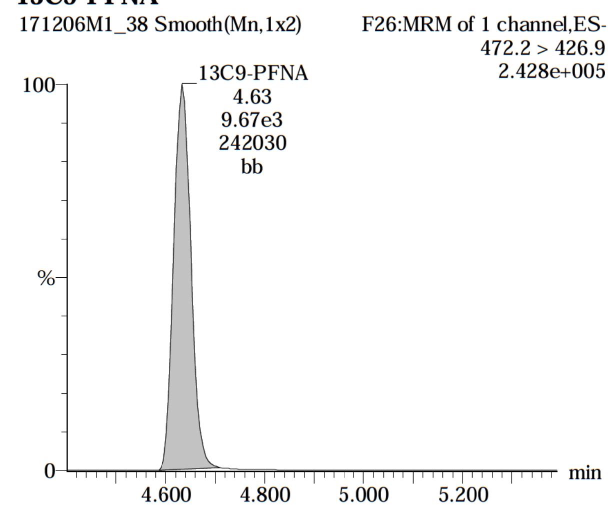
13C8-PFOS



13C8-PFOA



13C9-PFNA



ANP 12/8/2017

Vista Analytical Laboratory

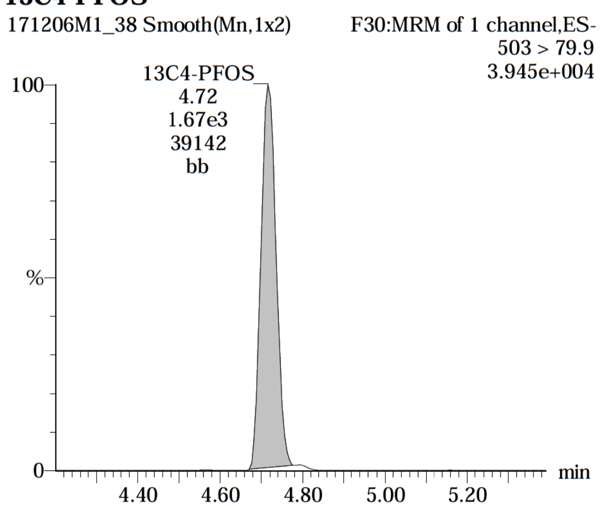
Rev'd: MM 12/8/17

Dataset: U:\Q4.PRO\results\171206M1\171206M1-38.qld

Last Altered: Thursday, December 07, 2017 14:08:23 Pacific Standard Time
Printed: Friday, December 08, 2017 17:31:01 Pacific Standard Time

Name: 171206M1_38, Date: 06-Dec-2017, Time: 21:35:30, ID: 1701664-01 TRUAX-09-SB01-110917-1-2 1.23, Description: TRUAX-09-SB01-110917-1-2

13C4-PFOS



ANP 12/8/2017

Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN 945**
Vista Analytical Laboratory

Rev'd: MM 12/8/17

Dataset: U:\Q4.PRO\results\171206M1\171206M1-39.qld

Last Altered: Friday, December 08, 2017 13:52:36 Pacific Standard Time
Printed: Friday, December 08, 2017 13:52:55 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_120517_L9.mdb 08 Dec 2017 09:26:20
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-5-17_L9.cdb 06 Dec 2017 11:25:05

Name: 171206M1_39, Date: 06-Dec-2017, Time: 21:46:41, ID: 1701664-02 TRUAX-09-SB01-110917-9.0-9.5 1.13, Description: TRUAX-09-SB01-110917-9.0-9.5

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7		1.08e3	0.9808		2.55				
2	5	PFHpA	363.0 > 318.9		8.36e3	0.9808		3.65				
3	6	L-PFHxS	398.9 > 79.6	1.13e1	1.00e3	0.9808		3.81	3.83	0.141	0.0427	
4	8	L-PFOA	413 > 368.7		9.85e3	0.9808		4.17				
5	10	PFNA	463.0 > 418.8		7.02e3	0.9808		4.61				
6	11	L-PFOS	499 > 79.9	2.36e2	1.51e3	0.9808		4.69	4.58	1.95	1.91	
7	13	13C3-PFBA	216.1 > 171.8	7.35e3	9.11e3	0.9808	0.913	1.34	1.36	10.1	11.3	88.3
8	14	13C3-PFPeA	266. > 221.8	9.93e3	1.37e4	0.9808	0.790	2.28	2.29	9.06	11.7	91.8
9	15	13C3-PFBS	302. > 98.8	1.08e3	1.37e4	0.9808	0.097	2.55	2.57	0.982	10.3	81.1
10	16	13C2-PFHxA	315 > 269.8	4.07e3	1.37e4	0.9808	0.787	3.04	3.06	3.71	4.81	94.4
11	17	13C4-PFHpA	367.2 > 321.8	8.36e3	1.37e4	0.9808	0.620	3.65	3.67	7.63	12.5	98.4
12	18	18O2-PFHxS	403.0 > 102.6	1.00e3	2.66e3	0.9808	0.429	3.81	3.83	4.72	11.2	88.2
13	19	13C2-PFOA	414.9 > 369.7	9.85e3	8.11e3	0.9808	1.194	4.17	4.20	15.2	13.0	101.7
14	20	13C5-PFNA	468.2 > 422.9	7.02e3	7.97e3	0.9808	0.972	4.61	4.63	11.0	11.5	90.5
15	21	13C8-PFOS	507.0 > 79.9	1.51e3	1.02e3	0.9808	1.024	4.69	4.72	18.5	18.4	144.6
16	22	13C4-PFBA	217. > 171.8	9.11e3	9.11e3	0.9808	1.000	1.33	1.36	12.5	12.7	100.0
17	23	13C5-PFHxA	318 > 272.9	1.37e4	1.37e4	0.9808	1.000	3.04	3.06	12.5	12.7	100.0
18	24	13C3-PFHxS	401.9 > 79.9	2.66e3	2.66e3	0.9808	1.000	3.81	3.83	12.5	12.7	100.0
19	25	13C8-PFOA	421.3 > 376	8.11e3	8.11e3	0.9808	1.000	4.17	4.20	12.5	12.7	100.0
20	26	13C9-PFNA	472.2 > 426.9	7.97e3	7.97e3	0.9808	1.000	4.61	4.63	12.5	12.7	100.0
21	27	13C4-PFOS	503 > 79.9	1.02e3	1.02e3	0.9808	1.000	4.69	4.72	12.5	12.7	100.0
22	28	Total PFHxS	398.9 > 79.6	1.13e1	1.00e3	0.9808		3.81		0.141	0.0427	
23	29	Total PFOA	413 > 368.7	0.00e0	9.85e3	0.9808		4.17		0.000		
24	30	Total PFOS	499 > 79.9	2.36e2	1.51e3	0.9808		4.69		1.95	1.91	

MJT12/8/2017

Vista Analytical Laboratory

Rev'd: MM 12/8/17

Dataset: U:\Q4.PRO\results\171206M1\171206M1-39.qld

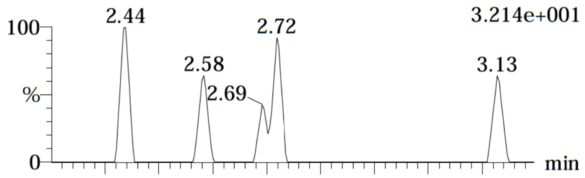
Last Altered: Friday, December 08, 2017 13:52:36 Pacific Standard Time
Printed: Friday, December 08, 2017 13:52:55 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_120517_L9.mdb 08 Dec 2017 09:26:20
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-5-17_L9.cdb 06 Dec 2017 11:25:05

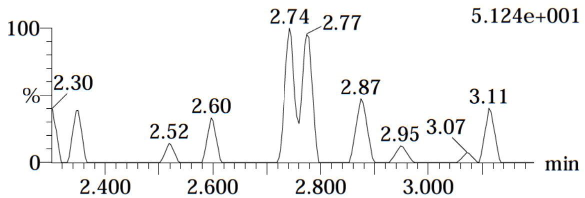
Name: 171206M1_39, Date: 06-Dec-2017, Time: 21:46:41, ID: 1701664-02 TRUAX-09-SB01-110917-9.0-9.5 1.13, Description: TRUAX-09-SB01-110917-9.0-9.5

PFBS

171206M1_39 Smooth(Mn,1x2) F6:MRM of 2 channels,ES- 299.0 > 79.7 3.214e+001

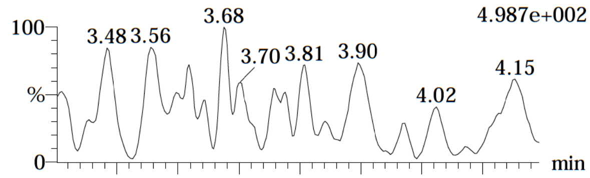


171206M1_39 Smooth(Mn,1x2) F6:MRM of 2 channels,ES- 299.0 > 99.0 5.124e+001

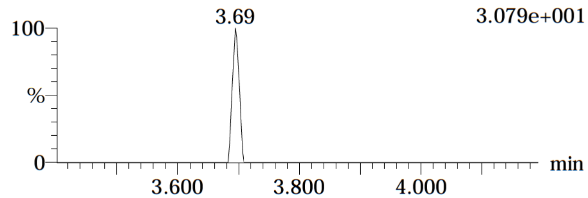


PFHpA

171206M1_39 Smooth(Mn,1x2) F13:MRM of 2 channels,ES- 363.0 > 318.9 4.987e+002

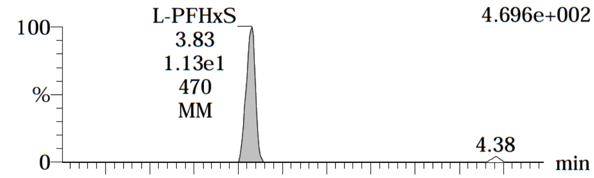


171206M1_39 Smooth(Mn,1x2) F13:MRM of 2 channels,ES- 363.0 > 169.0 3.079e+001

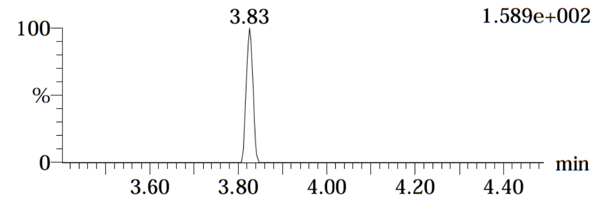


Total PFHxS

171206M1_39 Smooth(Mn,1x2) F15:MRM of 2 channels,ES- 398.9 > 79.6 4.696e+002

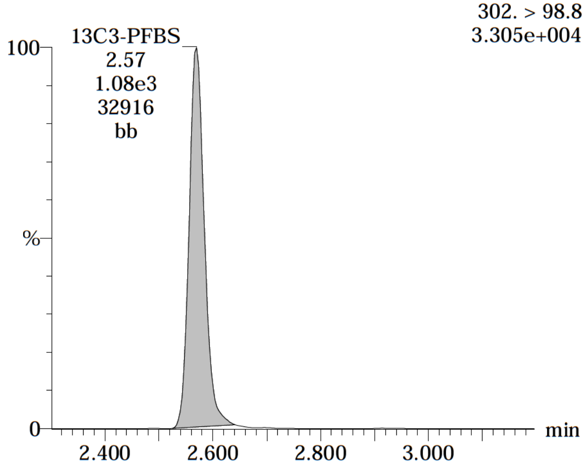


171206M1_39 Smooth(Mn,1x2) F15:MRM of 2 channels,ES- 398.9 > 99.0 1.589e+002



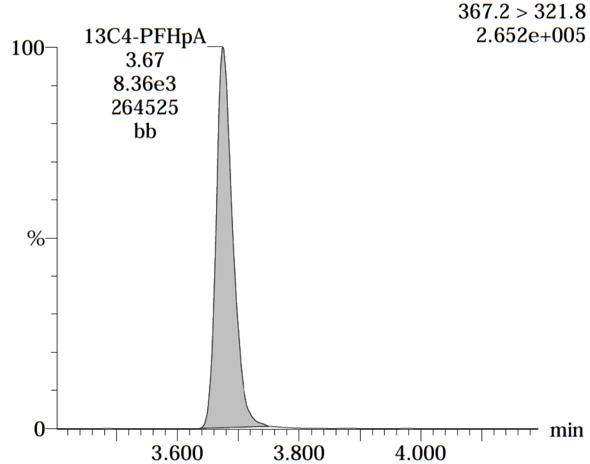
13C3-PFBS

171206M1_39 Smooth(Mn,1x2) F7:MRM of 1 channel,ES- 302. > 98.8 3.305e+004



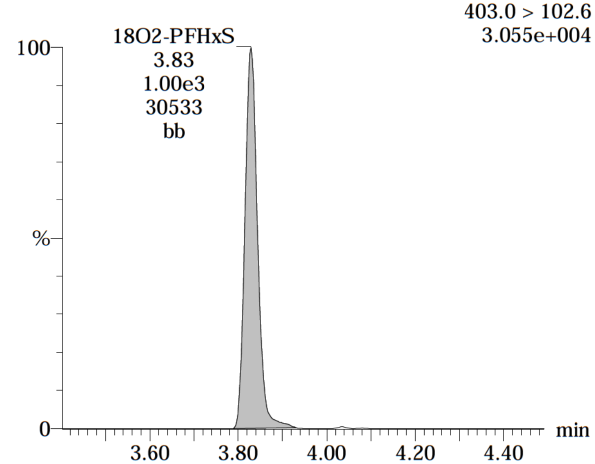
13C4-PFHpA

171206M1_39 Smooth(Mn,1x2) F14:MRM of 1 channel,ES- 367.2 > 321.8 2.652e+005



18O2-PFHxS

171206M1_39 Smooth(Mn,1x2) F17:MRM of 1 channel,ES- 403.0 > 102.6 3.055e+004



MJT12/8/2017

Vista Analytical Laboratory

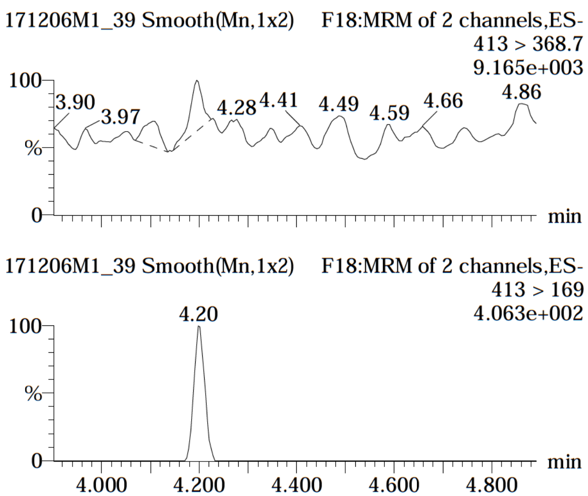
Rev'd: MM 12/8/17

Dataset: U:\Q4.PRO\results\171206M1\171206M1-39.qld

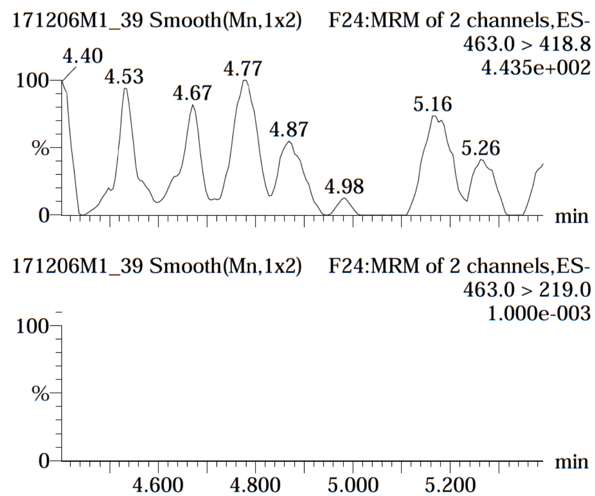
Last Altered: Friday, December 08, 2017 13:52:36 Pacific Standard Time
Printed: Friday, December 08, 2017 13:52:55 Pacific Standard Time

Name: 171206M1_39, Date: 06-Dec-2017, Time: 21:46:41, ID: 1701664-02 TRUAX-09-SB01-110917-9.0-9.5 1.13, Description: TRUAX-09-SB01-110917-9.0-9.5

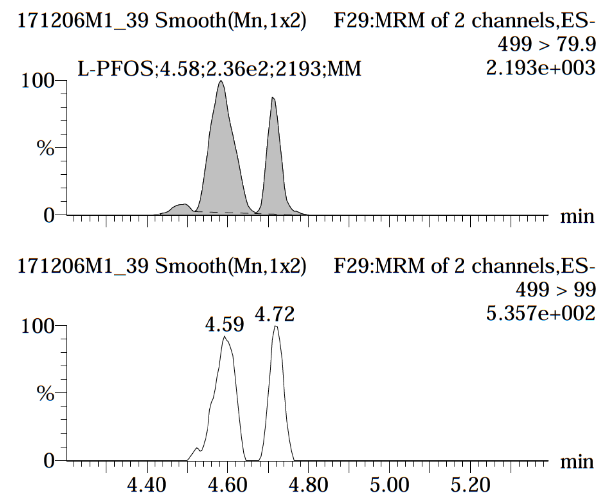
Total PFOA



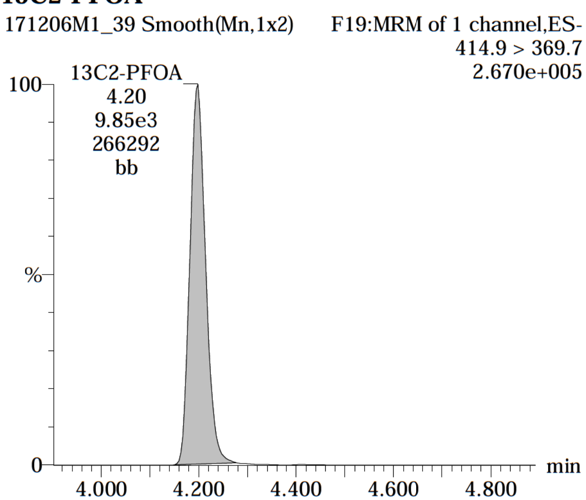
PFNA



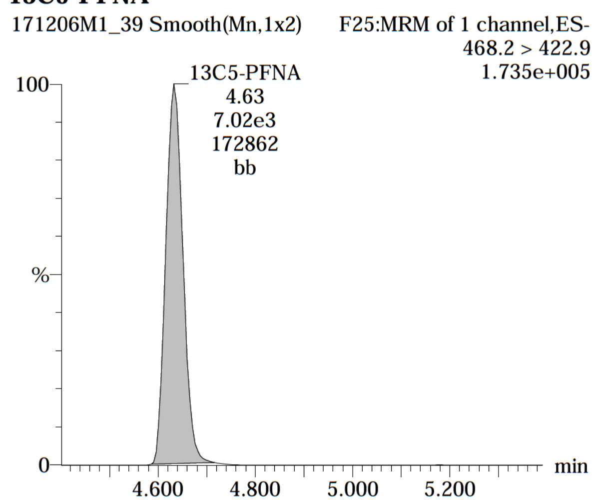
Total PFOS



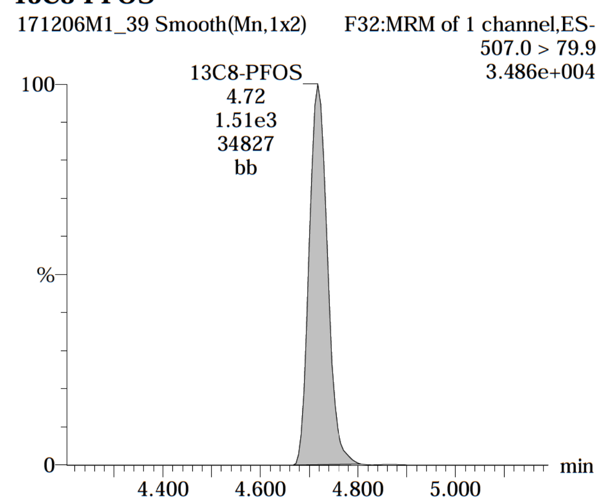
13C2-PFOA



13C5-PFNA



13C8-PFOS



MJT12/8/2017

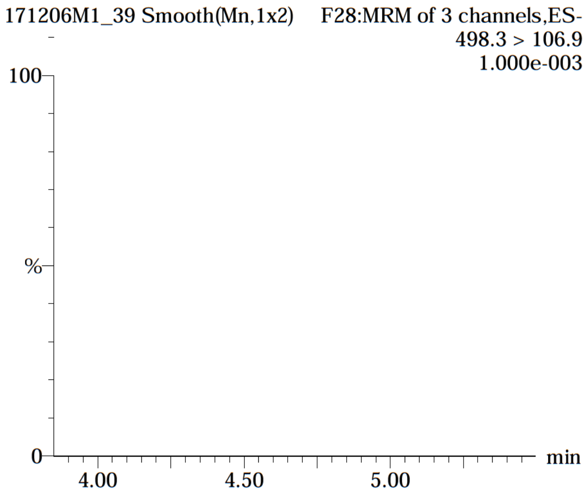
Rev'd: MM 12/8/17

Dataset: U:\Q4.PRO\results\171206M1\171206M1-39.qld

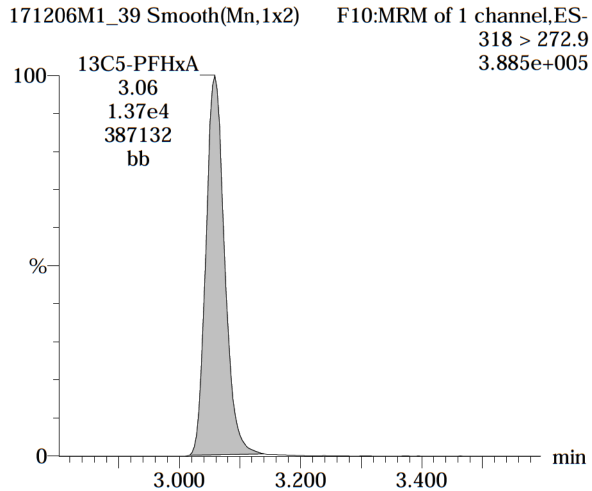
Last Altered: Friday, December 08, 2017 13:52:36 Pacific Standard Time
Printed: Friday, December 08, 2017 13:52:55 Pacific Standard Time

Name: 171206M1_39, Date: 06-Dec-2017, Time: 21:46:41, ID: 1701664-02 TRUAX-09-SB01-110917-9.0-9.5 1.13, Description: TRUAX-09-SB01-110917-9.0-9.5

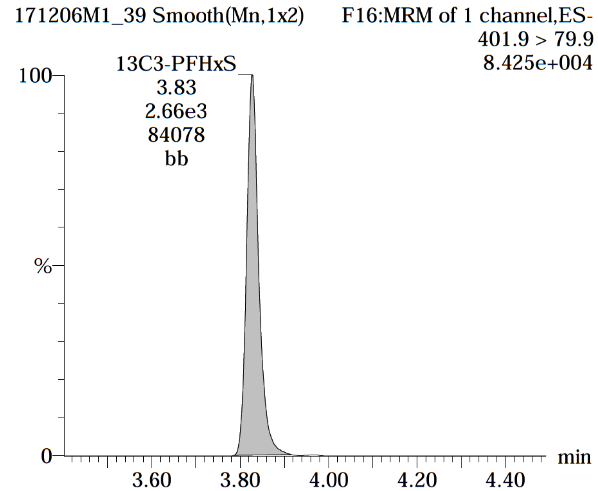
TCDA



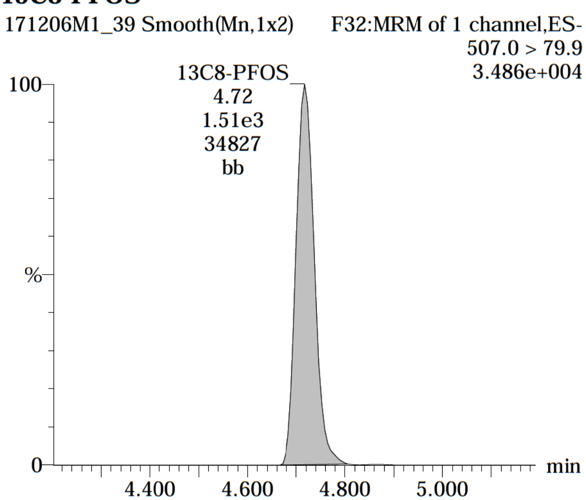
13C5-PFHxA



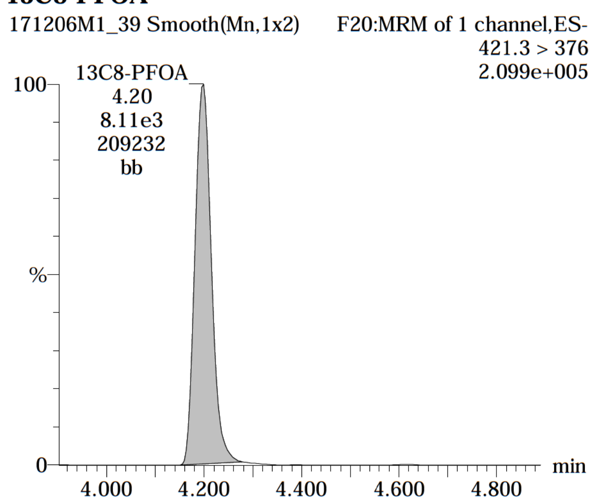
13C3-PFHxS



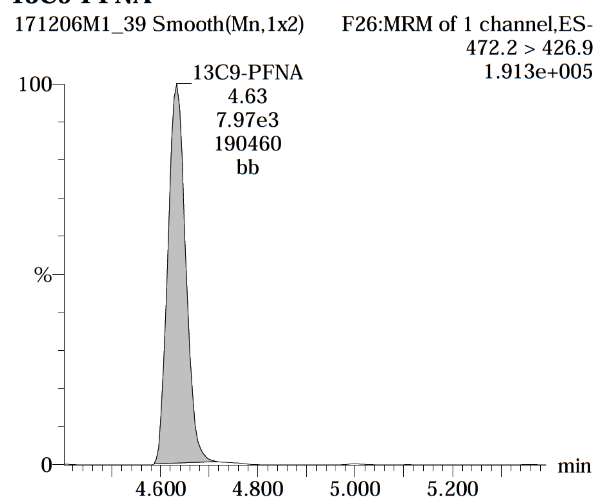
13C8-PFOS



13C8-PFOA



13C9-PFNA



MJT12/8/2017

Rev'd: MM 12/8/17

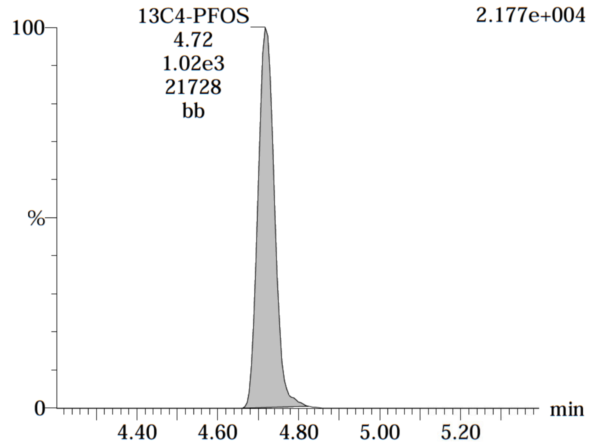
Dataset: U:\Q4.PRO\results\171206M1\171206M1-39.qld

Last Altered: Friday, December 08, 2017 13:52:36 Pacific Standard Time
Printed: Friday, December 08, 2017 13:52:55 Pacific Standard Time

Name: 171206M1_39, Date: 06-Dec-2017, Time: 21:46:41, ID: 1701664-02 TRUAX-09-SB01-110917-9.0-9.5 1.13, Description: TRUAX-09-SB01-110917-9.0-9.5

13C4-PFOS

171206M1_39 Smooth(Mn,1x2) F30:MRM of 1 channel,ES-
503 > 79.9
2.177e+004



MJT12/8/2017

Quantify Sample Summary Report **MassLynx MassLynx V4.1 SCN 945**
Vista Analytical Laboratory

Rev'd: MM 12/8/17

Dataset: U:\Q4.PRO\results\171206M1\171206M1-40.qld

Last Altered: Thursday, December 07, 2017 14:11:41 Pacific Standard Time
Printed: Friday, December 08, 2017 17:32:06 Pacific Standard Time

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Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-05-17_L9.cdb 06 Dec 2017 11:25:05

Name: 171206M1_40, Date: 06-Dec-2017, Time: 21:57:52, ID: 1701664-03 TRUAX-05-SB02-110917-0.5-1 1.14, Description: TRUAX-05-SB02-110917-0.5-1

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299.0 > 79.7		7.62e2	0.9796		2.57				
2	5 PFHpA	363.0 > 318.9	8.04e2	5.80e3	0.9796		4.03	3.68	1.73	1.22	
3	6 L-PFHxS	398.9 > 79.6	5.34e2	8.03e2	0.9796		4.19	3.83	8.32	3.77	
4	8 L-PFOA	413 > 368.7	1.22e3	7.64e3	0.9796		4.20	4.20	2.00	1.81	
5	10 PFNA	463.0 > 418.8	9.89e2	5.41e3	0.9796		4.63	4.64	2.28	1.63	
6	11 L-PFOS	499 > 79.9	2.95e3	1.56e3	0.9796		4.72	4.72	23.6	22.2	
7	15 13C3-PFBS	302. > 98.8	7.62e2	1.28e4	0.9796	0.097	2.57	2.57	0.742	7.82	61.3
8	16 13C2-PFHxA	315 > 269.8	2.95e3	1.28e4	0.9796	0.787	3.40	3.06	2.87	3.73	73.0
9	17 13C4-PFHpA	367.2 > 321.8	5.80e3	1.28e4	0.9796	0.620	4.03	3.68	5.65	9.30	72.9
10	18 18O2-PFHxS	403.0 > 102.6	8.03e2	2.47e3	0.9796	0.429	4.17	3.83	4.05	9.66	75.7
11	19 13C2-PFOA	414.9 > 369.7	7.64e3	8.00e3	0.9796	1.194	4.20	4.20	11.9	10.2	79.9
12	20 13C5-PFNA	468.2 > 422.9	5.41e3	7.82e3	0.9796	0.972	4.63	4.64	8.66	9.09	71.2
13	21 13C8-PFOS	507.0 > 79.9	1.56e3	2.17e3	0.9796	1.024	4.72	4.72	9.02	9.00	70.5
14	23 13C5-PFHxA	318 > 272.9	1.28e4	1.28e4	0.9796	1.000	3.40	3.06	12.5	12.8	100.0
15	24 13C3-PFHxS	401.9 > 79.9	2.47e3	2.47e3	0.9796	1.000	4.17	3.83	12.5	12.8	100.0
16	25 13C8-PFOA	421.3 > 376	8.00e3	8.00e3	0.9796	1.000	4.54	4.20	12.5	12.8	100.0
17	26 13C9-PFNA	472.2 > 426.9	7.82e3	7.82e3	0.9796	1.000	4.97	4.63	12.5	12.8	100.0
18	27 13C4-PFOS	503 > 79.9	2.17e3	2.17e3	0.9796	1.000	5.05	4.72	12.5	12.8	100.0
19	28 Total PFHxS	398.9 > 79.6	5.34e2	8.03e2	0.9796		4.17		8.32	3.77	
20	29 Total PFOA	413 > 368.7	1.22e3	7.64e3	0.9796		4.26		2.00	1.81	
21	30 Total PFOS	499 > 79.9	2.95e3	1.56e3	0.9796		4.77		23.6	22.2	

ANP 12/8/2017

Quantify Sample Report **MassLynx MassLynx V4.1 SCN 945**
Vista Analytical Laboratory

Rev'd: MM 12/8/17

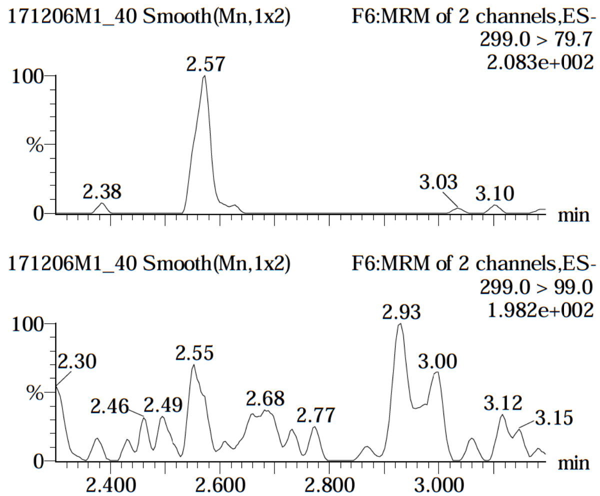
Dataset: U:\Q4.PRO\results\171206M1\171206M1-40.qld

Last Altered: Thursday, December 07, 2017 14:11:41 Pacific Standard Time
Printed: Friday, December 08, 2017 17:32:06 Pacific Standard Time

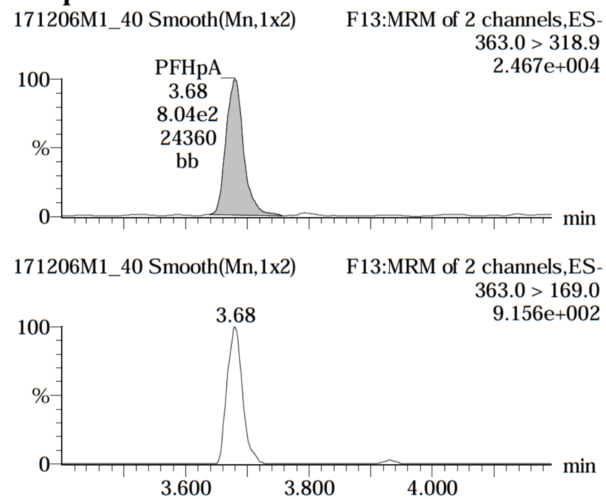
Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_120517_L9.mdb 07 Dec 2017 11:39:25
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-05-17_L9.cdb 06 Dec 2017 11:25:05

Name: 171206M1_40, Date: 06-Dec-2017, Time: 21:57:52, ID: 1701664-03 TRUAX-05-SB02-110917-0.5-1 1.14, Description: TRUAX-05-SB02-110917-0.5-1

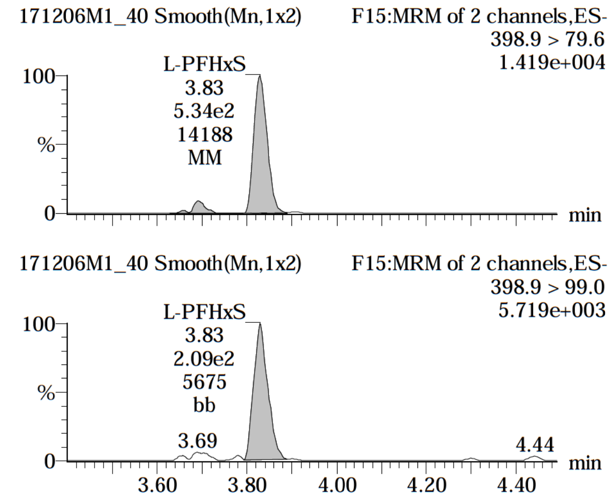
PFBS



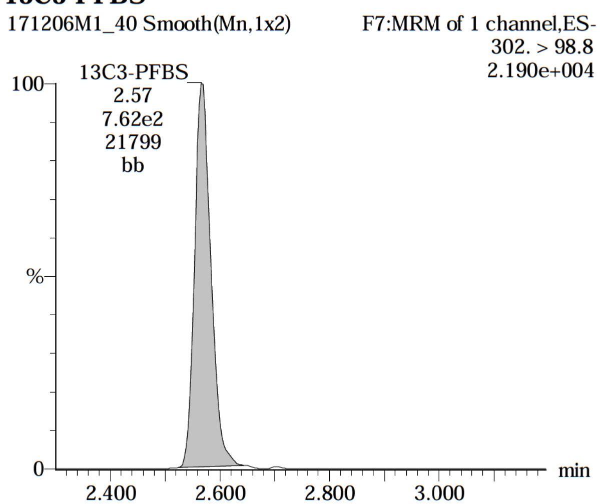
PFHpA



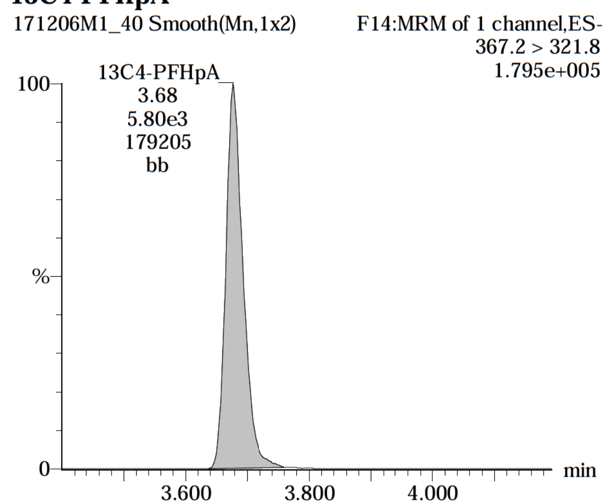
Total PFHxS



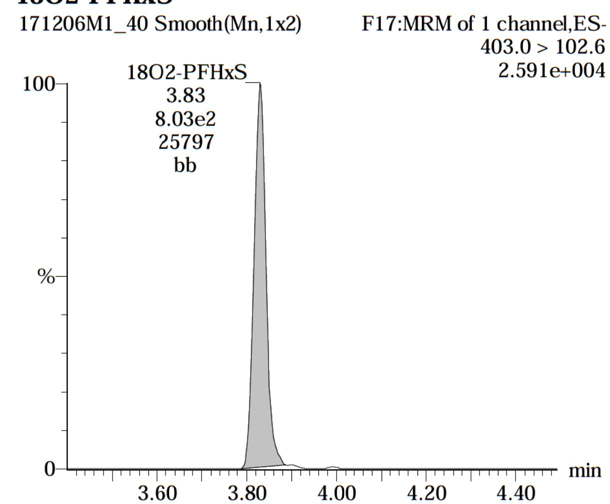
13C3-PFBS



13C4-PFHpA



18O2-PFHxS



ANP 12/8/2017

Quantify Sample Report **MassLynx MassLynx V4.1 SCN 945**
Vista Analytical Laboratory

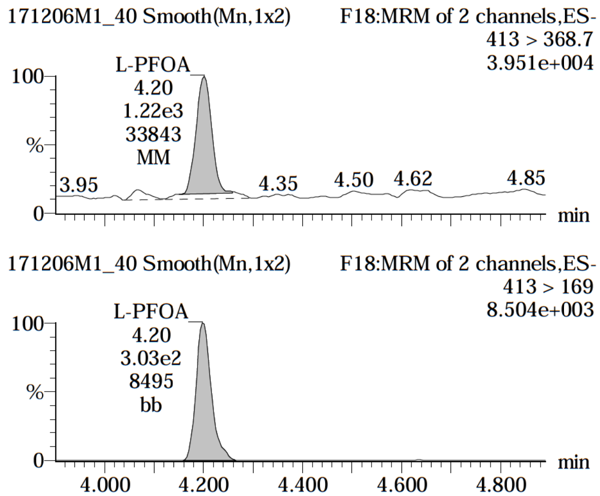
Rev'd: MM 12/8/17

Dataset: U:\Q4.PRO\results\171206M1\171206M1-40.qld

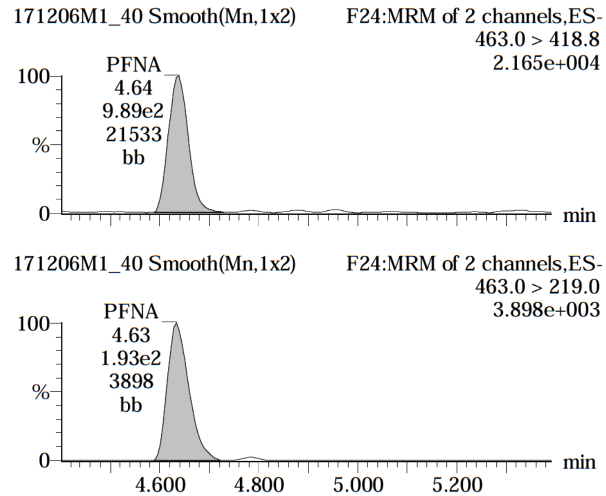
Last Altered: Thursday, December 07, 2017 14:11:41 Pacific Standard Time
Printed: Friday, December 08, 2017 17:32:06 Pacific Standard Time

Name: 171206M1_40, Date: 06-Dec-2017, Time: 21:57:52, ID: 1701664-03 TRUAX-05-SB02-110917-0.5-1 1.14, Description: TRUAX-05-SB02-110917-0.5-1

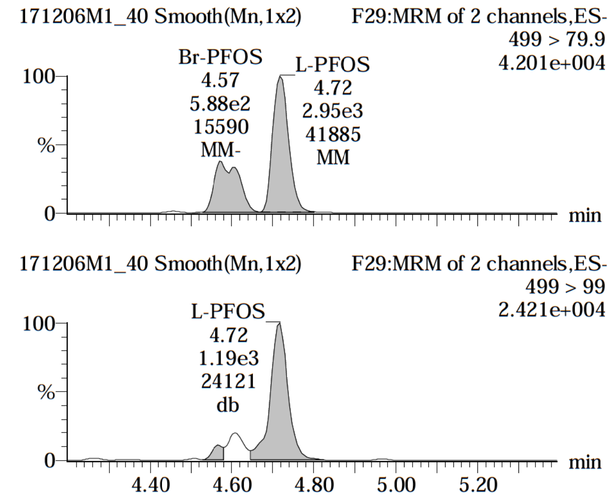
Total PFOA



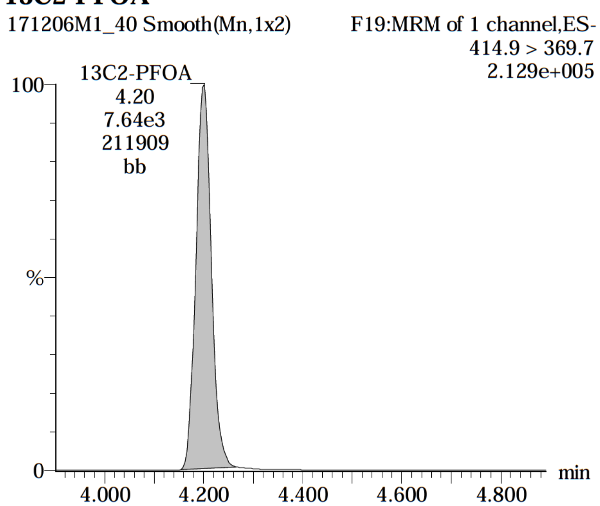
PFNA



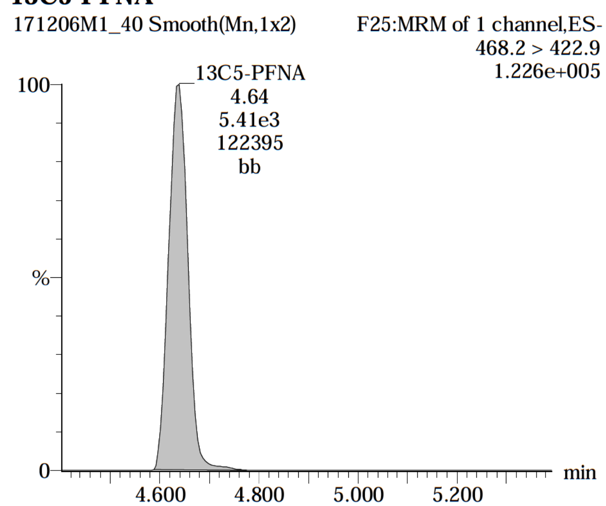
Total PFOS



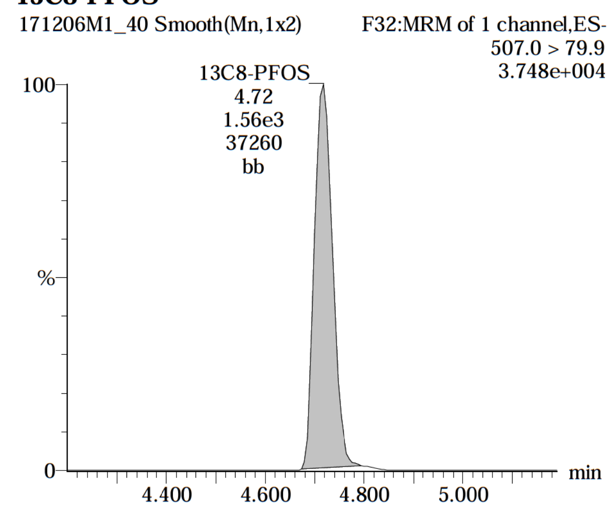
13C2-PFOA



13C5-PFNA



13C8-PFOS



ANP 12/8/2017

Vista Analytical Laboratory

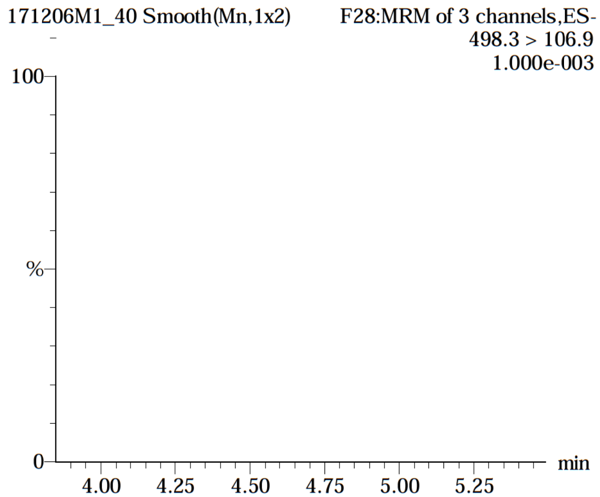
Rev'd: MM 12/8/17

Dataset: U:\Q4.PRO\results\171206M1\171206M1-40.qld

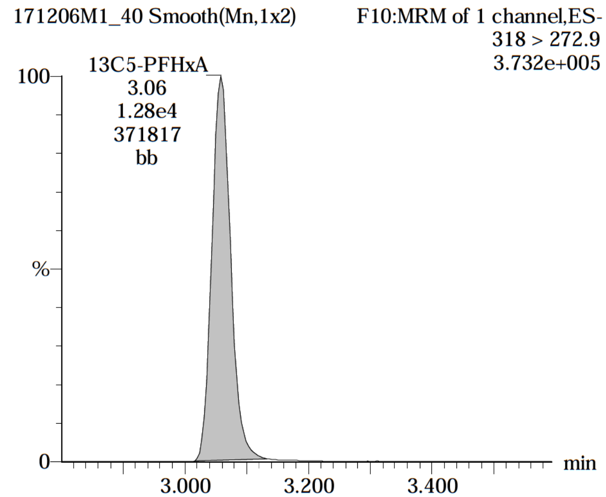
Last Altered: Thursday, December 07, 2017 14:11:41 Pacific Standard Time
Printed: Friday, December 08, 2017 17:32:06 Pacific Standard Time

Name: 171206M1_40, Date: 06-Dec-2017, Time: 21:57:52, ID: 1701664-03 TRUAX-05-SB02-110917-0.5-1 1.14, Description: TRUAX-05-SB02-110917-0.5-1

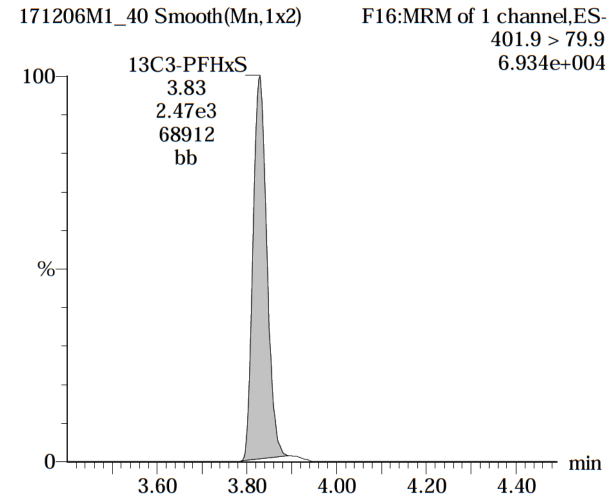
TCDA



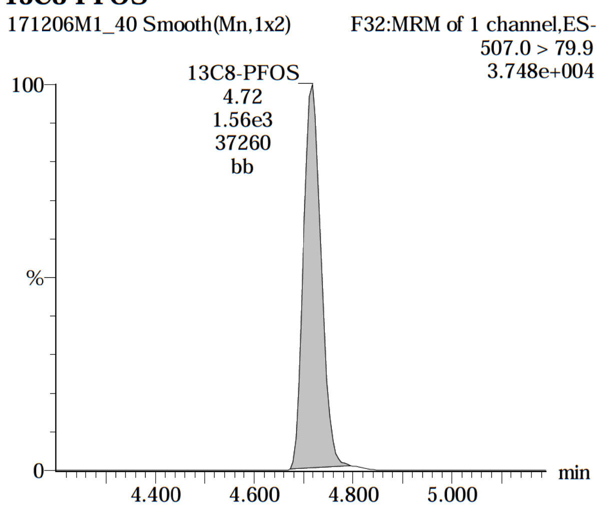
13C5-PFHxA



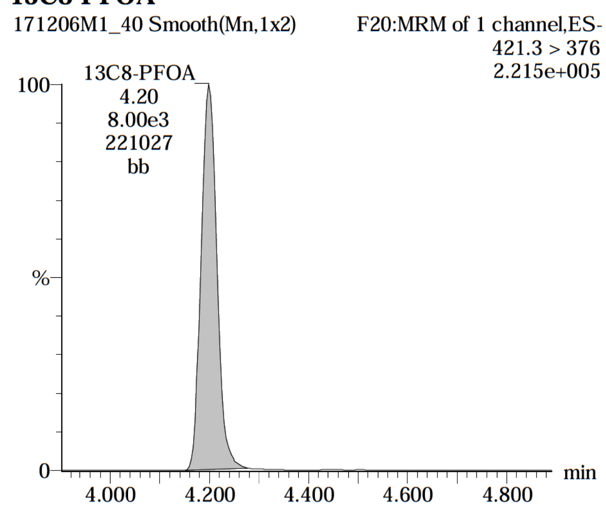
13C3-PFHxS



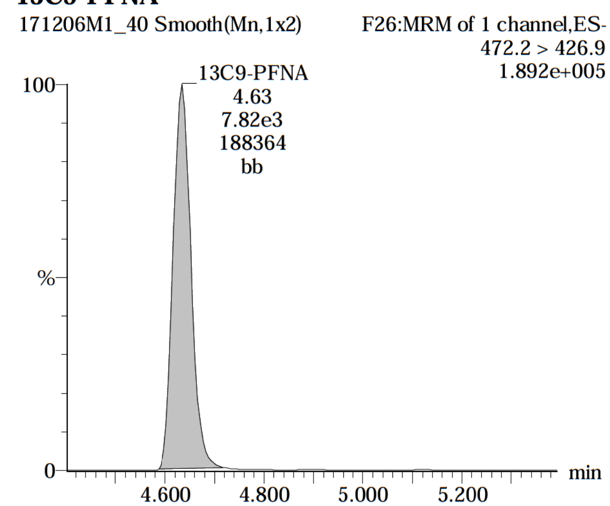
13C8-PFOS



13C8-PFOA



13C9-PFNA



ANP 12/8/2017

Vista Analytical Laboratory

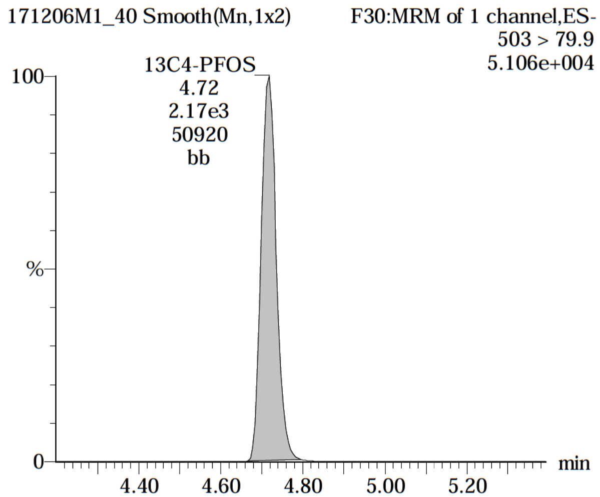
Rev'd: MM 12/8/17

Dataset: U:\Q4.PRO\results\171206M1\171206M1-40.qld

Last Altered: Thursday, December 07, 2017 14:11:41 Pacific Standard Time
Printed: Friday, December 08, 2017 17:32:06 Pacific Standard Time

Name: 171206M1_40, Date: 06-Dec-2017, Time: 21:57:52, ID: 1701664-03 TRUAX-05-SB02-110917-0.5-1 1.14, Description: TRUAX-05-SB02-110917-0.5-1

13C4-PFOS



ANP 12/8/2017

Vista Analytical Laboratory

Rev'd: MM 12/8/17

Dataset: U:\Q4.PRO\results\171206M1\171206M1-41.qld

Last Altered: Friday, December 08, 2017 13:55:35 Pacific Standard Time
Printed: Friday, December 08, 2017 13:58:22 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_120517_L9.mdb 08 Dec 2017 09:26:20
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-05-17_L9.cdb 06 Dec 2017 11:25:05

Name: 171206M1_41, Date: 06-Dec-2017, Time: 22:09:03, ID: 1701664-04 TRUAX-05-SB02-110917-7-7.5 1.13, Description: TRUAX-05-SB02-110917-7-7.5

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7	2.96e0	7.44e2	0.9721		2.55	2.57	0.0498		
2	5	PFHpA	363.0 > 318.9	1.25e2	7.02e3	0.9721		3.65	3.68	0.223	0.101	
3	6	L-PFHxS	398.9 > 79.6	2.92e1	8.92e2	0.9721		3.81	3.83	0.409	0.166	
4	8	L-PFOA	413 > 368.7		8.81e3	0.9721		4.17				
5	10	PFNA	463.0 > 418.8		5.42e3	0.9721		4.61				
6	11	L-PFOS	499 > 79.9		1.33e3	0.9721		4.69				
7	13	13C3-PFBA	216.1 > 171.8	5.62e3	9.08e3	0.9721	0.913	1.34	1.36	7.73	8.71	67.7
8	14	13C3-PFPeA	266. > 221.8	8.32e3	1.26e4	0.9721	0.790	2.28	2.29	8.28	10.8	83.9
9	15	13C3-PFBS	302. > 98.8	7.44e2	1.26e4	0.9721	0.097	2.55	2.57	0.740	7.86	61.1
10	16	13C2-PFHxA	315 > 269.8	3.50e3	1.26e4	0.9721	0.787	3.04	3.06	3.49	4.56	88.6
11	17	13C4-PFHpA	367.2 > 321.8	7.02e3	1.26e4	0.9721	0.620	3.65	3.68	6.98	11.6	90.0
12	18	18O2-PFHxS	403.0 > 102.6	8.92e2	2.44e3	0.9721	0.429	3.81	3.83	4.57	11.0	85.3
13	19	13C2-PFOA	414.9 > 369.7	8.81e3	7.81e3	0.9721	1.194	4.17	4.20	14.1	12.1	94.5
14	20	13C5-PFNA	468.2 > 422.9	5.42e3	6.51e3	0.9721	0.972	4.61	4.63	10.4	11.0	85.7
15	21	13C8-PFOS	507.0 > 79.9	1.33e3	1.55e3	0.9721	1.024	4.69	4.72	10.7	10.7	83.6
16	22	13C4-PFBA	217. > 171.8	9.08e3	9.08e3	0.9721	1.000	1.33	1.36	12.5	12.9	100.0
17	23	13C5-PFHxA	318 > 272.9	1.26e4	1.26e4	0.9721	1.000	3.04	3.06	12.5	12.9	100.0
18	24	13C3-PFHxS	401.9 > 79.9	2.44e3	2.44e3	0.9721	1.000	3.81	3.83	12.5	12.9	100.0
19	25	13C8-PFOA	421.3 > 376	7.81e3	7.81e3	0.9721	1.000	4.17	4.19	12.5	12.9	100.0
20	26	13C9-PFNA	472.2 > 426.9	6.51e3	6.51e3	0.9721	1.000	4.61	4.64	12.5	12.9	100.0
21	27	13C4-PFOS	503 > 79.9	1.55e3	1.55e3	0.9721	1.000	4.69	4.72	12.5	12.9	100.0
22	28	Total PFHxS	398.9 > 79.6	2.92e1	8.92e2	0.9721		3.81		0.409	0.166	
23	29	Total PFOA	413 > 368.7	0.00e0	8.81e3	0.9721		4.17		0.000		
24	30	Total PFOS	499 > 79.9	0.00e0	1.33e3	0.9721		4.69		0.000		

MJT12/8/2017

Vista Analytical Laboratory

Rev'd: MM 12/8/17

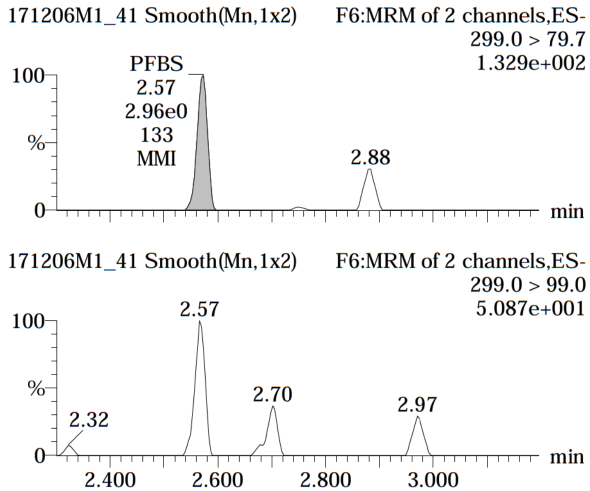
Dataset: U:\Q4.PRO\results\171206M1\171206M1-41.qld

Last Altered: Friday, December 08, 2017 13:55:35 Pacific Standard Time
Printed: Friday, December 08, 2017 13:58:22 Pacific Standard Time

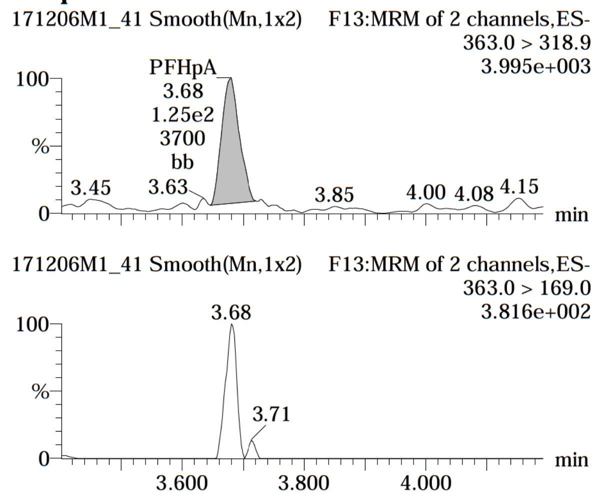
Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_120517_L9.mdb 08 Dec 2017 09:26:20
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-05-17_L9.cdb 06 Dec 2017 11:25:05

Name: 171206M1_41, Date: 06-Dec-2017, Time: 22:09:03, ID: 1701664-04 TRUAX-05-SB02-110917-7-7.5 1.13, Description: TRUAX-05-SB02-110917-7-7.5

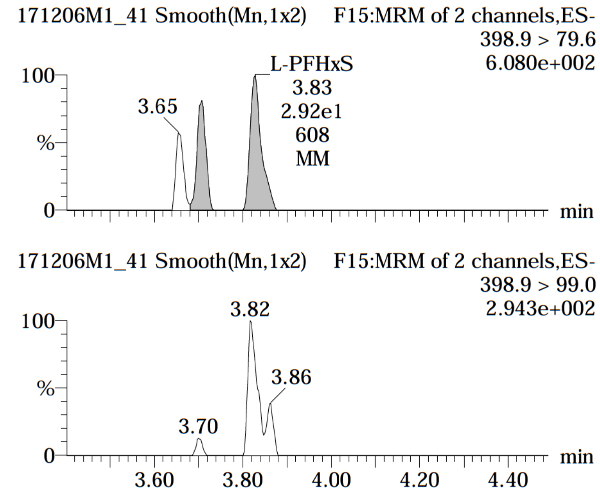
PFBS



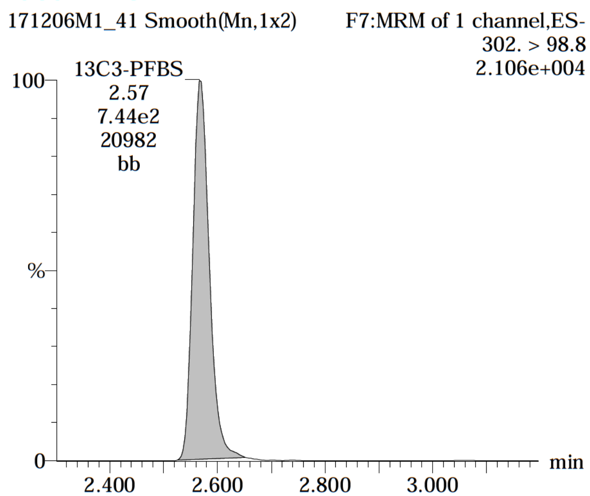
PFHpA



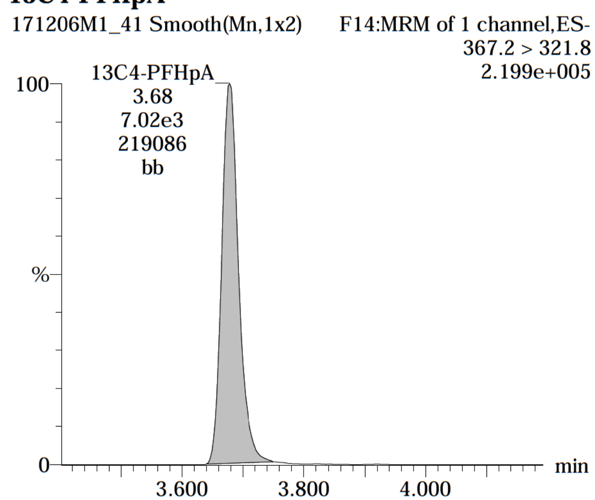
Total PFHxS



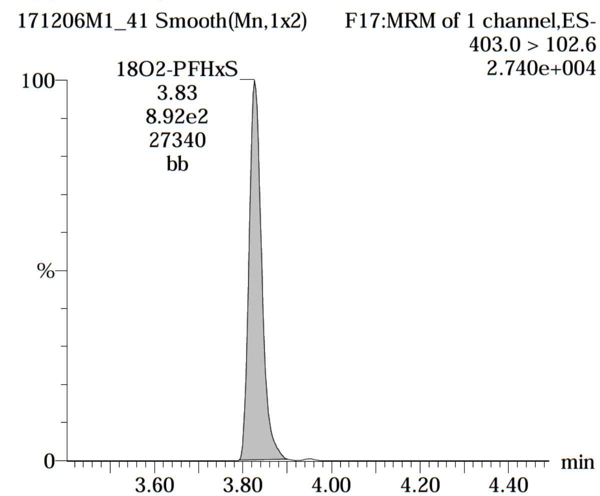
13C3-PFBS



13C4-PFHpA



18O2-PFHxS



MJT12/8/2017

Vista Analytical Laboratory

Rev'd: MM 12/8/17

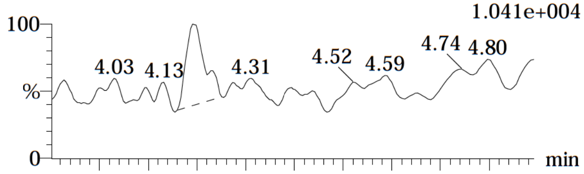
Dataset: U:\Q4.PRO\results\171206M1\171206M1-41.qld

Last Altered: Friday, December 08, 2017 13:55:35 Pacific Standard Time
Printed: Friday, December 08, 2017 13:58:22 Pacific Standard Time

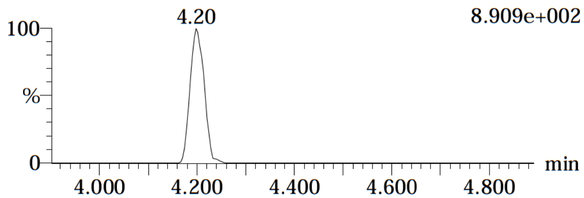
Name: 171206M1_41, Date: 06-Dec-2017, Time: 22:09:03, ID: 1701664-04 TRUAX-05-SB02-110917-7-7.5 1.13, Description: TRUAX-05-SB02-110917-7-7.5

Total PFOA

171206M1_41 Smooth(Mn,1x2) F18:MRM of 2 channels,ES-
413 > 368.7
1.041e+004

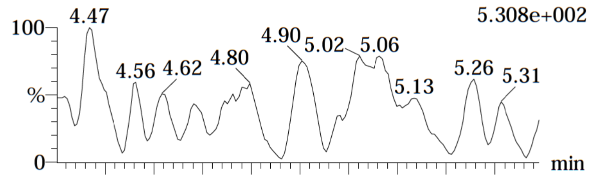


171206M1_41 Smooth(Mn,1x2) F18:MRM of 2 channels,ES-
413 > 169
8.909e+002

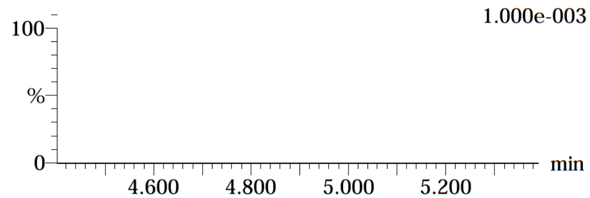


PFNA

171206M1_41 Smooth(Mn,1x2) F24:MRM of 2 channels,ES-
463.0 > 418.8
5.308e+002

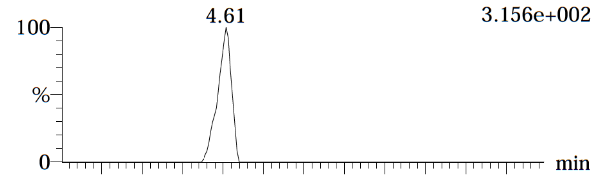


171206M1_41 Smooth(Mn,1x2) F24:MRM of 2 channels,ES-
463.0 > 219.0
1.000e-003

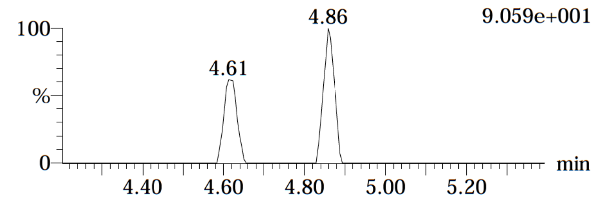


Total PFOS

171206M1_41 Smooth(Mn,1x2) F29:MRM of 2 channels,ES-
499 > 79.9
3.156e+002

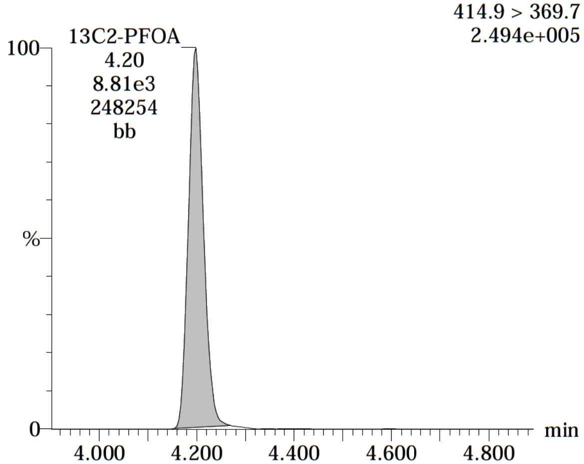


171206M1_41 Smooth(Mn,1x2) F29:MRM of 2 channels,ES-
499 > 99
9.059e+001



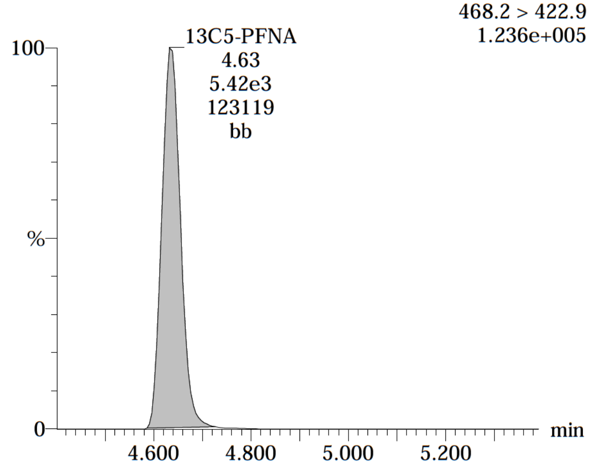
13C2-PFOA

171206M1_41 Smooth(Mn,1x2) F19:MRM of 1 channel,ES-
414.9 > 369.7
2.494e+005



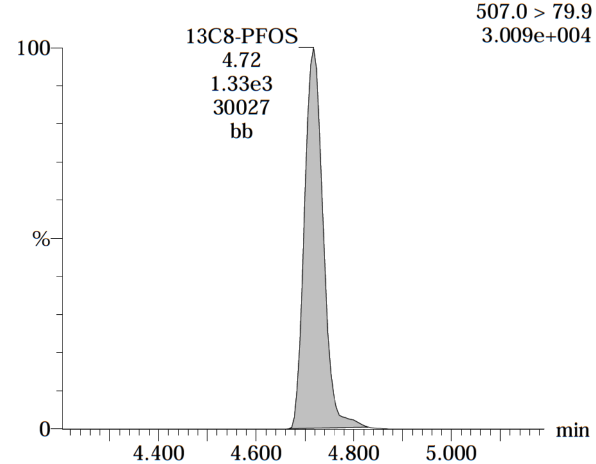
13C5-PFNA

171206M1_41 Smooth(Mn,1x2) F25:MRM of 1 channel,ES-
468.2 > 422.9
1.236e+005



13C8-PFOS

171206M1_41 Smooth(Mn,1x2) F32:MRM of 1 channel,ES-
507.0 > 79.9
3.009e+004



MJT12/8/2017

Quantify Sample Report **MassLynx MassLynx V4.1 SCN 945**
Vista Analytical Laboratory

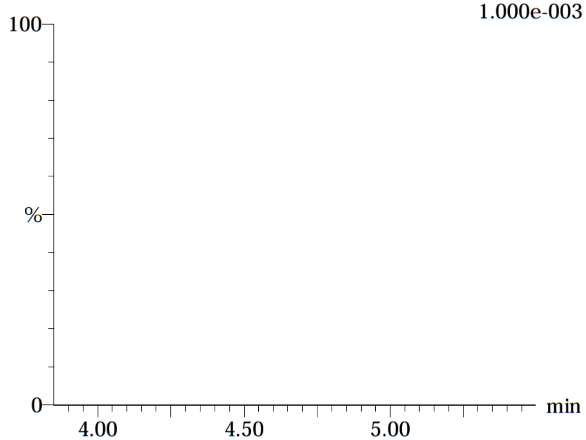
Rev'd: MM 12/8/17

Dataset: U:\Q4.PRO\results\171206M1\171206M1-41.qld

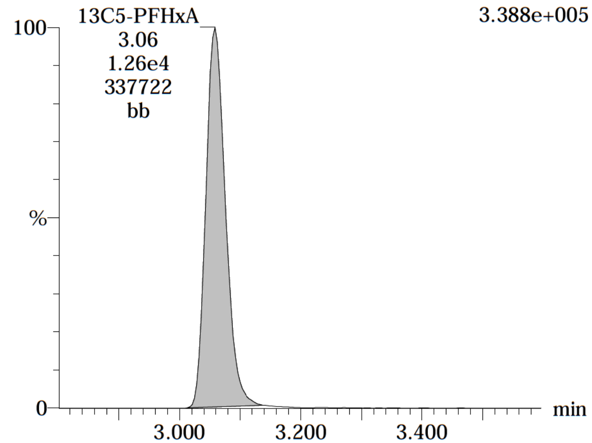
Last Altered: Friday, December 08, 2017 13:55:35 Pacific Standard Time
Printed: Friday, December 08, 2017 13:58:22 Pacific Standard Time

Name: 171206M1_41, Date: 06-Dec-2017, Time: 22:09:03, ID: 1701664-04 TRUAX-05-SB02-110917-7-7.5 1.13, Description: TRUAX-05-SB02-110917-7-7.5

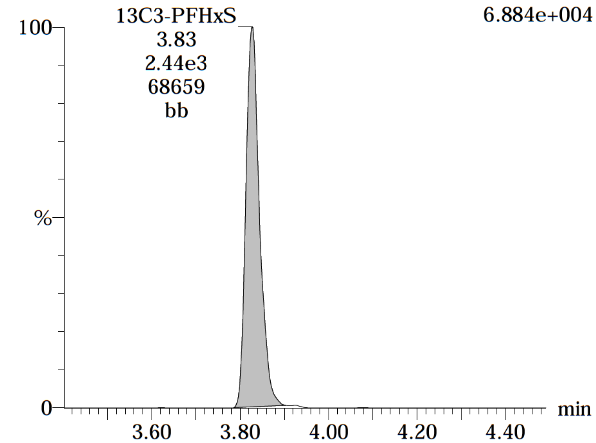
TCDA
171206M1_41 Smooth(Mn,1x2) F28:MRM of 3 channels,ES-
498.3 > 106.9
1.000e-003



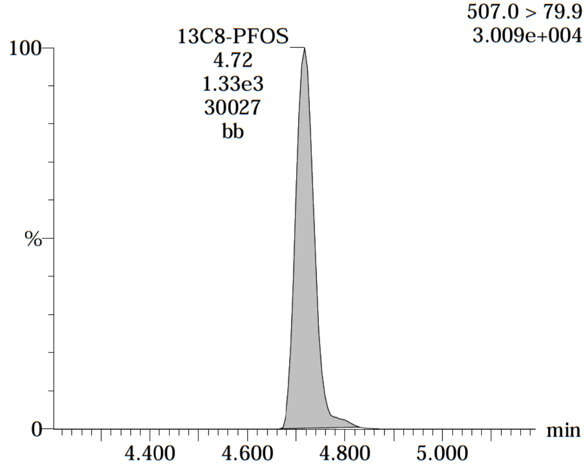
13C5-PFHxA
171206M1_41 Smooth(Mn,1x2) F10:MRM of 1 channel,ES-
318 > 272.9
3.388e+005



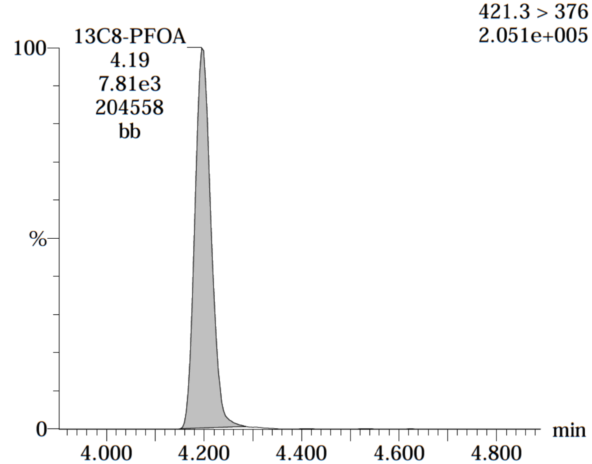
13C3-PFHxS
171206M1_41 Smooth(Mn,1x2) F16:MRM of 1 channel,ES-
401.9 > 79.9
6.884e+004



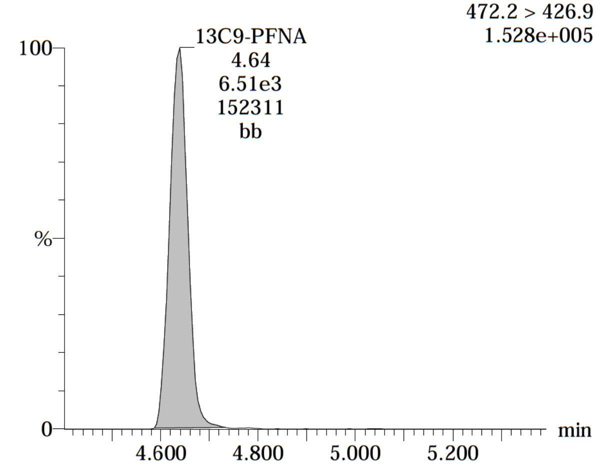
13C8-PFOS
171206M1_41 Smooth(Mn,1x2) F32:MRM of 1 channel,ES-
507.0 > 79.9
3.009e+004



13C8-PFOA
171206M1_41 Smooth(Mn,1x2) F20:MRM of 1 channel,ES-
421.3 > 376
2.051e+005



13C9-PFNA
171206M1_41 Smooth(Mn,1x2) F26:MRM of 1 channel,ES-
472.2 > 426.9
1.528e+005



MJT12/8/2017

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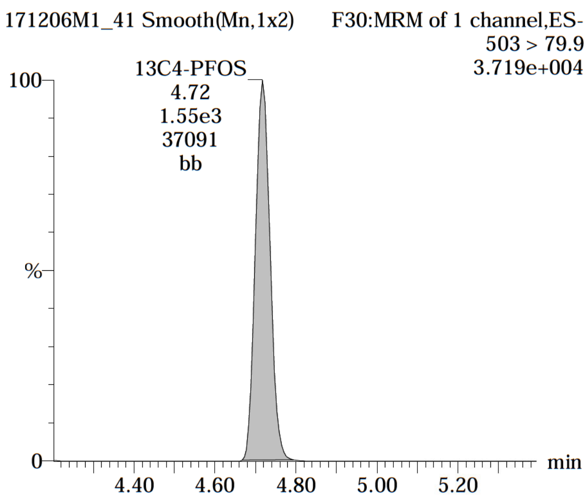
Rev'd: MM 12/8/17

Dataset: U:\Q4.PRO\results\171206M1\171206M1-41.qld

Last Altered: Friday, December 08, 2017 13:55:35 Pacific Standard Time
Printed: Friday, December 08, 2017 13:58:22 Pacific Standard Time

Name: 171206M1_41, Date: 06-Dec-2017, Time: 22:09:03, ID: 1701664-04 TRUAX-05-SB02-110917-7-7.5 1.13, Description: TRUAX-05-SB02-110917-7-7.5

13C4-PFOS



MJT12/8/2017

Vista Analytical Laboratory

Rev'd: MM 12/8/17

Dataset: U:\Q4.PRO\results\171206M1\171206M1-42.qld

Last Altered: Thursday, December 07, 2017 14:14:23 Pacific Standard Time
Printed: Friday, December 08, 2017 17:32:39 Pacific Standard Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_120517_L9.mdb 07 Dec 2017 11:39:25
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_12-05-17_L9.cdb 06 Dec 2017 11:25:05

Name: 171206M1_42, Date: 06-Dec-2017, Time: 22:20:13, ID: 1701664-05 TRUAX-05-SB03-110917-0.5-1 1.25, Description: TRUAX-05-SB03-110917-0.5-1

	# Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3 PFBS	299.0 > 79.7		3.75e2	1.0330		2.57				
2	5 PFHpA	363.0 > 318.9	3.13e2	4.04e3	1.0330		4.03	3.68	0.970	0.620	
3	6 L-PFHxS	398.9 > 79.6	8.31e2	5.09e2	1.0330		4.19	3.83	20.4	8.83	
4	8 L-PFOA	413 > 368.7	7.46e2	4.83e3	1.0330		4.20	4.20	1.93	1.64	
5	10 PFNA	463.0 > 418.8	1.73e3	4.34e3	1.0330		4.63	4.63	4.97	3.55	
6	11 L-PFOS	499 > 79.9	3.36e4	1.34e3	1.0330		4.72	4.72	312	278 E	
7	15 13C3-PFBS	302. > 98.8	3.75e2	1.06e4	1.0330	0.097	2.57	2.57	0.442	4.41	36.5
8	16 13C2-PFHxA	315 > 269.8	1.86e3	1.06e4	1.0330	0.787	3.40	3.06	2.19	2.69	55.6
9	17 13C4-PFHpA	367.2 > 321.8	4.04e3	1.06e4	1.0330	0.620	4.03	3.68	4.75	7.42	61.3
10	18 18O2-PFHxS	403.0 > 102.6	5.09e2	2.51e3	1.0330	0.429	4.17	3.83	2.53	5.72	47.2
11	19 13C2-PFOA	414.9 > 369.7	4.83e3	6.58e3	1.0330	1.194	4.20	4.20	9.17	7.43	61.4
12	20 13C5-PFNA	468.2 > 422.9	4.34e3	8.09e3	1.0330	0.972	4.63	4.63	6.71	6.68	55.2
13	21 13C8-PFOS	507.0 > 79.9	1.34e3	2.37e3	1.0330	1.024	4.72	4.72	7.09	6.70	55.4
14	23 13C5-PFHxA	318 > 272.9	1.06e4	1.06e4	1.0330	1.000	3.40	3.06	12.5	12.1	100.0
15	24 13C3-PFHxS	401.9 > 79.9	2.51e3	2.51e3	1.0330	1.000	4.17	3.83	12.5	12.1	100.0
16	25 13C8-PFOA	421.3 > 376	6.58e3	6.58e3	1.0330	1.000	4.54	4.20	12.5	12.1	100.0
17	26 13C9-PFNA	472.2 > 426.9	8.09e3	8.09e3	1.0330	1.000	4.97	4.63	12.5	12.1	100.0
18	27 13C4-PFOS	503 > 79.9	2.37e3	2.37e3	1.0330	1.000	5.05	4.72	12.5	12.1	100.0
19	28 Total PFHxS	398.9 > 79.6	8.31e2	5.09e2	1.0330		4.17		20.4	8.83	
20	29 Total PFOA	413 > 368.7	7.46e2	4.83e3	1.0330		4.26		1.93	1.64	
21	30 Total PFOS	499 > 79.9	3.36e4	1.34e3	1.0330		4.77		312	278	

ANP 12/8/2017