

	Acquisition Date	Vial Position	Sample Name	Acquisition Method	File Name	IS Peak Area (counts)
1	2/17/2010 18:30		1 IB	PFCKinetexLong.dam	021710\CalLong.wiff	450.62
2	2/17/2010 18:52		2 PFC 0.10ppb	PFCKinetexLong.dam	021710\CalLong.wiff	2504200
3	2/17/2010 19:00		3 PFC 0.5ppb	PFCKinetexLong.dam	021710\CalLong.wiff	2783700
4	2/17/2010 19:08		4 PFC 1.0ppb	PFCKinetexLong.dam	021710\CalLong.wiff	2542500
5	2/17/2010 19:15		5 PFC 5.0ppb	PFCKinetexLong.dam	021710\CalLong.wiff	2677400
6	2/17/2010 19:23		6 PFC 10ppb	PFCKinetexLong.dam	021710\CalLong.wiff	2754900
7	2/17/2010 19:30		7 PFC 20ppb	PFCKinetexLong.dam	021710\CalLong.wiff	2957800
8	2/17/2010 19:38		8 PFC 50ppb	PFCKinetexLong.dam	021710\CalLong.wiff	2651100
9	2/17/2010 19:53		7 PFC 20ppb CCV	PFCKinetexLong.dam	021710\CalLong.wiff	2907400
10	2/17/2010 20:01		9 PFC 20ppb ICV	PFCKinetexLong.dam	021710\CalLong.wiff	2664400
11	2/17/2010 20:08	25	K1001011-001	PFCKinetexLong.dam	021710\SamplesLong.wiff	3217400
12	2/17/2010 20:16	26	K1001011-002	PFCKinetexLong.dam	021710\SamplesLong.wiff	3083200
13	2/17/2010 20:23	27	K1001011-003	PFCKinetexLong.dam	021710\SamplesLong.wiff	3489500
14	2/17/2010 20:31	28	K1001011-004	PFCKinetexLong.dam	021710\SamplesLong.wiff	3542200
15	2/17/2010 20:38	29	K1001011-005	PFCKinetexLong.dam	021710\SamplesLong.wiff	3322000
16	2/17/2010 20:46	30	K1001011-006	PFCKinetexLong.dam	021710\SamplesLong.wiff	3135900
17	2/17/2010 20:54	31	K1001011-007	PFCKinetexLong.dam	021710\SamplesLong.wiff	2890600
18	2/17/2010 21:01	32	K1001011-008	PFCKinetexLong.dam	021710\SamplesLong.wiff	3090100
19	2/17/2010 21:09	33	K1001011-009	PFCKinetexLong.dam	021710\SamplesLong.wiff	3320900
20	2/17/2010 21:16	34	K1001011-010	PFCKinetexLong.dam	021710\SamplesLong.wiff	3007600
21	2/17/2010 21:24	35	K1001011-011	PFCKinetexLong.dam	021710\SamplesLong.wiff	2911800
22	2/17/2010 21:31	36	K1001011-012	PFCKinetexLong.dam	021710\SamplesLong.wiff	3291800
23	2/17/2010 21:39	37	K1001011-013	PFCKinetexLong.dam	021710\SamplesLong.wiff	3060500
24	2/17/2010 21:46	38	K1001011-014	PFCKinetexLong.dam	021710\SamplesLong.wiff	3300300
25	2/17/2010 21:54	39	K1001011-015	PFCKinetexLong.dam	021710\SamplesLong.wiff	3145300
26	2/17/2010 22:02	40	K1001011-016	PFCKinetexLong.dam	021710\SamplesLong.wiff	2786900
27	2/17/2010 22:09	41	K1001011-017	PFCKinetexLong.dam	021710\SamplesLong.wiff	3174100
28	2/17/2010 22:17	42	K1001011-018	PFCKinetexLong.dam	021710\SamplesLong.wiff	2954300
29	2/17/2010 22:24	43	K1001011-019	PFCKinetexLong.dam	021710\SamplesLong.wiff	2900400
30	2/17/2010 22:32	44	K1001011-020	PFCKinetexLong.dam	021710\SamplesLong.wiff	2939100
31	2/17/2010 22:39	45	KQ1000664-01	PFCKinetexLong.dam	021710\SamplesLong.wiff	2634600
32	2/17/2010 22:47	46	KQ1000664-02	PFCKinetexLong.dam	021710\SamplesLong.wiff	2667600
33	2/17/2010 22:54	47	KQ1000664-03	PFCKinetexLong.dam	021710\SamplesLong.wiff	2693100
34	2/17/2010 23:02	48	KQ1000664-04	PFCKinetexLong.dam	021710\SamplesLong.wiff	2491600
35	2/17/2010 23:10	49	KQ1000664-05	PFCKinetexLong.dam	021710\SamplesLong.wiff	2954000
36	2/17/2010 23:17	50	KQ1000664-06	PFCKinetexLong.dam	021710\SamplesLong.wiff	2741700
37	2/17/2010 23:25	23	KQ1000620-01	PFCKinetexLong.dam	021710\SamplesLong.wiff	2971200
38	2/17/2010 23:32	24	KQ1000620-02	PFCKinetexLong.dam	021710\SamplesLong.wiff	2881600
39	2/17/2010 23:40	22	KQ1000620-05	PFCKinetexLong.dam	021710\SamplesLong.wiff	2873500
40	2/17/2010 23:47	21	KQ1000620-06	PFCKinetexLong.dam	021710\SamplesLong.wiff	2808200

A 2/17/10

EFS

2/18/10

Preparation Information Benchsheet

Prep Run#: 105653
Team: Petroleum HC/SMCDONALD
Number of Copies to make: 1

Prep WorkFlow: OrgExtAq(14)
Prep Method: Method

Status: Prepped
Prep Date/Time: 2/8/10 07:28 AM

#	Lab Code	Client ID	B#	Method /Test	pH	Matrix	Amt. Ext.	Final Vol	Sample Description
1	K1000968-001	Field Blank 2	.01	PFOA/PFOA	/	Water	200mL	1.00mL	
2	K1000968-020	Field Blank 3	.01	PFOA/PFOA	/	Water	200mL	1.00mL	
3	K1000968-019	F. Scott "Treated"	.01	PFOA/PFOA	/	Water	200mL	1.00mL	
4	K1000968-018	F. Scott "Raw"	.01	PFOA/PFOA	/	Water	200mL	1.00mL	
5	K1000968-017	West Well Plant "Treated"	.01	PFOA/PFOA	/	Water	200mL	1.00mL	
6	K1000968-016	West Well Plant "Raw"	.01	PFOA/PFOA	/	Water	200mL	1.00mL	
7	K1000968-015	W & Avery "Treated"	.01	PFOA/PFOA	/	Water	200mL	1.00mL	
8	K1000968-014	W & Avery "Raw"	.01	PFOA/PFOA	/	Water	200mL	1.00mL	
9	K1000968-013	West Pensacola "Treated"	.01	PFOA/PFOA	/	Water	200mL	1.00mL	
10	K1000968-012	West Pensacola "Raw"	.01	PFOA/PFOA	/	Water	200mL	1.00mL	
11	K1000968-011	Bronson "Treated"	.01	PFOA/PFOA	/	Water	200mL	1.00mL	
12	K1000968-010	Bronson "Raw"	.01	PFOA/PFOA	/	Water	200mL	1.00mL	
13	K1000968-009	Lillian "Treated"	.01	PFOA/PFOA	/	Water	200mL	1.00mL	
14	K1000968-008	Lillian "Raw"	.01	PFOA/PFOA	/	Water	200mL	1.00mL	
15	K1000968-007	Dunaway "Treated"	.01	PFOA/PFOA	/	Water	200mL	1.00mL	
16	K1000968-006	Dunaway "Raw"	.01	PFOA/PFOA	/	Water	200mL	1.00mL	
17	K1000968-005	McCory "Treated"	.01	PFOA/PFOA	/	Water	200mL	1.00mL	
18	K1000968-004	McCory "Raw"	.01	PFOA/PFOA	/	Water	200mL	1.00mL	
19	K1000968-003	University Parkway "Treated"	.01	PFOA/PFOA	/	Water	200mL	1.00mL	
20	K1000968-002	University Parkway "Raw"	.01	PFOA/PFOA	/	Water	200mL	1.00mL	
21	KQ1000620-03	K1000968-010 MS	.01	PFOA/PFOA	/	Liquid	200mL	1.00mL	
22	KQ1000620-04	K1000968-010 DMS	.01	PFOA/PFOA	/	Liquid	200mL	1.00mL	
23	KQ1000620-01	K1000968-011 MS	.01	PFOA/PFOA	/	Liquid	200mL	1.00mL	
24	KQ1000620-02	K1000968-011 DMS	.01	PFOA/PFOA	/	Liquid	200mL	1.00mL	
25	KQ1000620-05	LCS	/	PFOA/PFOA	/	Liquid	200mL	1.00mL	
26	KQ1000620-06	MB	/	PFOA/PFOA	/	Liquid	200mL	1.00mL	

Preparation Information Benchsheet

Prep Run#: 105653
 Team: Petroleum HC/SMCDONALD
 Spiking Solutions

Prep WorkFlow: OrgExtAq(14)
 Prep Method: Method

Status: Prepped
 Prep Date/Time: 2/8/10 07:28 AM

Name:	Perfluorinated Surfactant Isotopes 1ppm	Inventory ID	5362	Logbook Ref:	LCMS2-26C	Expires On:	09/09/2009
K1000968-001	10.00µL	K1000968-002	10.00µL	K1000968-003	10.00µL	K1000968-004	10.00µL
K1000968-007	10.00µL	K1000968-008	10.00µL	K1000968-009	10.00µL	K1000968-010	10.00µL
K1000968-013	10.00µL	K1000968-014	10.00µL	K1000968-015	10.00µL	K1000968-016	10.00µL
K1000968-019	10.00µL	K1000968-020	10.00µL	KQ1000620-01	10.00µL	KQ1000620-02	10.00µL
KQ1000620-05	10.00µL	KQ1000620-06	10.00µL			KQ1000620-03	10.00µL
						KQ1000620-04	10.00µL
						KQ1000620-05	10.00µL
						KQ1000620-06	10.00µL
						KQ1000620-07	10.00µL
						KQ1000620-08	10.00µL
						KQ1000620-09	10.00µL
						KQ1000620-10	10.00µL
						KQ1000620-11	10.00µL
						KQ1000620-12	10.00µL
						KQ1000620-13	10.00µL
						KQ1000620-14	10.00µL
						KQ1000620-15	10.00µL
						KQ1000620-16	10.00µL
						KQ1000620-17	10.00µL
						KQ1000620-18	10.00µL
						KQ1000620-19	10.00µL
						KQ1000620-20	10.00µL
						KQ1000620-21	10.00µL
						KQ1000620-22	10.00µL
						KQ1000620-23	10.00µL
						KQ1000620-24	10.00µL
						KQ1000620-25	10.00µL
						KQ1000620-26	10.00µL
						KQ1000620-27	10.00µL
						KQ1000620-28	10.00µL
						KQ1000620-29	10.00µL
						KQ1000620-30	10.00µL
						KQ1000620-31	10.00µL
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						KQ1000620-40	10.00µL
						KQ1000620-41	10.00µL
						KQ1000620-42	10.00µL
						KQ1000620-43	10.00µL
						KQ1000620-44	10.00µL
						KQ1000620-45	10.00µL
						KQ1000620-46	10.00µL
						KQ1000620-47	10.00µL
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						KQ1000620-77	10.00µL
						KQ1000620-78	10.00µL
						KQ1000620-79	10.00µL
						KQ1000620-80	10.00µL
						KQ1000620-81	10.00µL
						KQ1000620-82	10.00µL
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						KQ1000620-84	10.00µL
						KQ1000620-85	10.00µL
						KQ1000620-86	10.00µL
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						KQ1000620-88	10.00µL
						KQ1000620-89	10.00µL
						KQ1000620-90	10.00µL
						KQ1000620-91	10.00µL
						KQ1000620-92	10.00µL
						KQ1000620-93	10.00µL
						KQ1000620-94	10.00µL
						KQ1000620-95	10.00µL
						KQ1000620-96	10.00µL
						KQ1000620-97	10.00µL
						KQ1000620-98	10.00µL
						KQ1000620-99	10.00µL
						KQ1000620-100	10.00µL

Preparation Steps

Step: Extraction
 Started: 2/8/10 07:28
 Finished: 2/8/10 14:10
 By: SMCDONALD

Comments:

Reviewed By:

Chain of Custody

Relinquished By:

Received By:

[Signature]

Date: 2/8/10

Extracts Examined

Yes No

Preparation Information Benchsheet

rep Run#: 105653 Status: Draft Prep Date/Time: 2/8/10 07:28 AM
Team: Petroleum HC/SMCDONALD Prep WorkFlow: OrgExtAq(14) Prep Method: Method
Number of Copies to make: 1

#	Lab Code	Client ID	B#	✓	Method / Test	Matrix	Amt. Ext.	pH	Int. Vol	Final Vol	Surr Amt	Spike Am
1	K1000968-001	Field Blank 2	01	✓	PFOA / PFOA	Water	200ml			ml	10ul	NA
2	K1000968-002	University Parkway "Raw"		✓	PFOA / PFOA	Water						
3	K1000968-003	University Parkway "Treated"		✓	PFOA / PFOA	Water						
4	K1000968-004	McCory "Raw"		✓	PFOA / PFOA	Water						
5	K1000968-005	McCory "Treated"		✓	PFOA / PFOA	Water						
6	K1000968-006	Dunaway "Raw"		✓	PFOA / PFOA	Water						
7	K1000968-007	Dunaway "Treated"		✓	PFOA / PFOA	Water						
8	K1000968-008	Lillian "Raw"		✓	PFOA / PFOA	Water						
9	K1000968-009	Lillian "Treated"		✓	PFOA / PFOA	Water						
10	K1000968-010	Bronson "Raw"		✓	PFOA / PFOA	Water						
11	K1000968-011	Bronson "Treated"		✓	PFOA / PFOA	Water						
12	K1000968-012	West Pensacola "Raw"		✓	PFOA / PFOA	Water						
13	K1000968-013	West Pensacola "Treated"		✓	PFOA / PFOA	Water						
14	K1000968-014	W & Avery "Raw"		✓	PFOA / PFOA	Water						
15	K1000968-015	W & Avery "Treated"		✓	PFOA / PFOA	Water						
16	K1000968-016	West Well Plant "Raw"		✓	PFOA / PFOA	Water						
17	K1000968-017	West Well Plant "Treated"		✓	PFOA / PFOA	Water						
18	K1000968-018	F-Scott "Raw"		✓	PFOA / PFOA	Water						
19	K1000968-019	F-Scott "Treated"		✓	PFOA / PFOA	Water						
20	K1000968-020	Field Blank 3		✓	PFOA / PFOA	Water						
21	KQ1000620-01	K1000968-011 MS		✓	PFOA / PFOA	Liquid						10ml
22	KQ1000620-02	K1000968-011 DMS		✓	PFOA / PFOA	Liquid						10ml
23	KQ1000620-03	K1000968-010 MS		✓	PFOA / PFOA	Liquid						10ml
24	KQ1000620-04	K1000968-010 DMS		✓	PFOA / PFOA	Liquid						10ml
25	KQ1000620-05	LCS		✓	PFOA / PFOA	Liquid						10ml
26	KQ1000620-06	MB		✓	PFOA / PFOA	Liquid						NA

Comments: MEQH LOT# DA057 H20LOT# 49350 CARTRIDGE LOT# 601139127A
S. LMS2-81A 10ml
Surrogate ID: LMS2-81A 10ml
Spike ID: LMS2-710P 10ml
Witnessed By: _____
Analyst: JMA
Preparation Information Benchsheet
Printed 2 8 10 7:31 Page 1 of 1

February 22, 2010

Analytical Report for Service Request No: K1001011

David Anderson
Camp Dresser & McKee, Incorporated
325 John Knox Road
Building M, Suite 100
Tallahassee, FL 32303

RE: Baron & Budd, P.C./95779-75319

Dear David:

Enclosed are the results of the samples submitted to our laboratory on February 04, 2010. For your reference, these analyses have been assigned our service request number K1001011.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.caslab.com. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3281. You may also contact me via Email at PDivvela@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Pradeep Divvela
Project Chemist

PD/afs

Page 1 of 349

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated value that was detected outside the quantitation range.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.1 definition: Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.

Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- J The result is an estimated value that was detected outside the quantitation range.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.1 definition: Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.
- Q See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated value that was detected outside the quantitation range.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.1 definition: Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

Columbia Analytical Services, Inc.
Kelso, WA
State Certifications, Accreditations, and Licenses

Program	Number
Alaska DEC UST	UST-040
Arizona DHS	AZ0339
Arkansas - DEQ	88-0637
California DHS	2286
Colorado DPHE	-
Florida DOH	E87412
Hawaii DOH	-
Idaho DHW	-
Indiana DOH	C-WA-01
Louisiana DEQ	3016
Louisiana DHH	LA050010
Maine DHS	WA0035
Michigan DEQ	9949
Minnesota DOH	053-999-368
Montana DPHHS	CERT0047
Nevada DEP	WA35
New Jersey DEP	WA005
New Mexico ED	-
North Carolina DWQ	605
Oklahoma DEQ	9801
Oregon - DHS	WA200001
South Carolina DHEC	61002
Utah DOH	COLU
Washington DOE	C1203
Wisconsin DNR	998386840
Wyoming (EPA Region 8)	-

Case Narrative

COLUMBIA ANALYTICAL SERVICES, INC.

Client: Camp Dresser & McKee, Inc.
 Project: Baron & Budd, P.C.
 Sample Matrix: Water

Service Request No.: K1001011
 Date Received: 02/04/10

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Twenty water samples were received for analysis at Columbia Analytical Services on 02/04/10. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS**Surrogate Exceptions:**

The recovery of Perfluoro-n-[1,2-13C2]undecanoic Acid in Lab Control Sample (KQ1000664-05 was outside the control limits listed in the results summary. The limits are default values temporarily in use until sufficient data points are generated to calculate statistical control limits. Based on the method and historic data, the recoveries observed were in the range expected for this procedure. No further corrective action was taken.

The recovery of Perfluoro-n-[1,2-13C2]dodecanoic Acid in Villa "Raw", Muldoon "Raw", Airport North "Raw", Broad "Treated", Spanish Trail "Raw" and Spanish Trail "Treated" was outside the control limits listed in the results summary. The limits are default values temporarily in use until sufficient data points are generated to calculate statistical control limits. Based on the method and historic data, the recoveries observed were in the range expected for this procedure. No further corrective action was taken.

The recovery of Perfluoro-n-[1,2-13C2]undecanoic Acid and Perfluoro-n-[1,2-13C2]dodecanoic Acid in Tennant "Treated" and Royce Street "Treated" were outside the control limits listed in the results summary. The limits are default values temporarily in use until sufficient data points are generated to calculate statistical control limits. Based on the method and historic data, the recoveries observed were in the range expected for this procedure. No further corrective action was taken.

The recovery of Perfluoro-n-[1,2-13C2]dodecanoic Acid and Perfluoro-n-[1,2,3,4-13C4] butanoic acid in Muldoon "Treated" were outside the control limits listed in the results summary. The limits are default values temporarily in use until sufficient data points are generated to calculate statistical control limits. Based on the method and historic data, the recoveries observed were in the range expected for this procedure. No further corrective action was taken.

Matrix Spike Recovery Exceptions:

The matrix spike recovery of Perfluorodecane Sulfonate for sample McAllister "Raw" was outside control criteria because of suspected matrix interference. A matrix spike duplicate was also analyzed, but produced similar results. No further corrective action was appropriate.

No other anomalies associated with the analysis of these samples were observed.

Approved by _____ Date 02/22/10

Chain of Custody Documentation

PROJECT NAME <u>Baron & Budd P.C.</u>		PROJECT NUMBER <u>95449-75319</u>		PROJECT MANAGER <u>DAVID ANDERSON</u>		COMPANY ADDRESS <u>CDM 13522 Thomanville Road</u>		CITY/STATE/ZIP <u>Suite 300 Tallahassee, FL 32309</u>		E-MAIL ADDRESS		PHONE # <u>850-386-9509</u>		FAX #		SAMPLER'S SIGNATURE	
SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS												
Field Blank 3	2.3.16	0750		O	2												
Hagler well "Raw"		0802		GW													
Hagler well "Treated"		0813															
Spanish Trail "Raw"		0833															
Spanish Trail "Treated"		0843															
Airport North "Raw"		0912															
Airport North "Treated"		0923															
McAllister "Raw"		0949															
McAllister "Treated"		1002															
McAllister "Raw" MS/MSD		0949															

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: (CIRCLE ONE)

REPORT REQUIREMENTS

I. Routine Report: Method Blank, Surrogate, as required

II. Report Dup., MS, MSD as required

III. Data Validation Report (includes all raw data)

IV. CLP Deliverable Report

V. EDD

TURNAROUND REQUIREMENTS

24 hr. 48 hr. 5 Day

Standard (10-15 working days)

Provide FAX Results

Requested Report Date

INVOICE INFORMATION

P.O. #

Bill To:

RELINQUISHED BY: Signature _____ Date/Time _____ Printed Name _____ Firm _____	RECEIVED BY: Emory Coopers Signature <u>David Anderson</u> Date/Time <u>2.1.10 08:00</u> Printed Name <u>David Anderson</u> Firm <u>CDM</u>
RELINQUISHED BY: Signature _____ Date/Time _____ Printed Name _____ Firm _____	RECEIVED BY: F&B-EX Signature <u>David Anderson</u> Date/Time <u>2.3.10 16:40</u> Printed Name <u>David Anderson</u> Firm <u>CDM</u>

PROJECT NAME Baron Global P.C.
 PROJECT NUMBER 95779-75315
 PROJECT MANAGER DAVID ANDERSON
 COMPANY ADDRESS CPM
3022 Thomasville Rd, Suite 300
 CITY/STATE/ZIP Tallahassee, FL 32309
 E-MAIL ADDRESS _____
 PHONE # 850-386-9150 FAX # _____
 SAMPLER'S SIGNATURE _____

NUMBER OF CONTAINERS				REMARKS																	
SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX																	
McAllister "Treated" MS/MS	2.3.10	1002		6W	2																
Humphrey "Raw"	2.3.10	1055		6W	2																
Humphrey "Treated"	2.3.10	1107		6W	2																
Broad "Raw"	2.3.10	1146		6W	2																
Broad "Treated"	2.3.10	1200		6W	2																
Tennant "Raw"	2.3.10	1305		6W	2																
Tennant "Treated"	2.3.10	1317		6W	2																
Muldoon "Raw"	2.3.10	1347		6W	2																
Muldoon "Treated"	2.3.10	1400		6W	2																
Villa "Raw"	2.3.10	1418		6W	2																

REPORT REQUIREMENTS
 I. Routine Report: Method Blank, Surrogate, as required
 II. Report Dup., MS, MSD as required
 III. Data Validation Report (includes all raw data)
 IV. CLP Deliverable Report
 V. EDD

INVOICE INFORMATION
 P.O. # _____
 Bill To: _____

TURNAROUND REQUIREMENTS
 24 hr. _____ 48 hr. _____
 5 Day _____
 Standard (10-15 working days)
 Provide FAX Results _____
 Requested Report Date _____

Circle which metals are to be analyzed:
 Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg
 Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Ti Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)
 SPECIAL INSTRUCTIONS/COMMENTS:

RELINQUISHED BY:
 Signature _____ Date/Time _____
 Printed Name _____ Firm _____

RECEIVED BY: Empty Containers
 Signature David Anderson Date/Time 2.1.10 00:00
 Printed Name David Anderson Firm CDM

RELINQUISHED BY: Fed-Ex
 Signature David Anderson Date/Time 2.3.10 16:40
 Printed Name David Anderson Firm CDM

RECEIVED BY:
 Signature David Anderson Date/Time 2.1.10 09:00
 Printed Name David Anderson Firm CDM

Cooler Receipt and Preservation Form

p. 45

Client / Project: CDMService Request K10 01011Received: 2/4/10Opened: 2/4/10By: [Signature]1. Samples were received via? Mail Fed Ex UPS DHL PBX Courier Hand Delivered2. Samples were received in: (circle) Cooler Box Envelope Other NA3. Were custody seals on coolers? NA (X) N If yes, how many and where? 17,
If present, were custody seals intact? (Y) N If present, were they signed and dated? (Y) N

Cooler Temp °C	Temp Blank °C	Thermometer ID	Cooler/COC ID <u>(NA)</u>	Tracking Number	NA	Filed
<u>2.1</u>	<u>1.3</u>	<u>271</u>				<u>X</u>
<u>0.0</u>	<u>1.5</u>	<u>219</u>				<u>X</u>
<u>-0.2</u>	<u>0.7</u>	<u>261</u>				<u>X</u>
<u>0.3</u>	<u>1.7</u>	<u>274</u>				<u>X</u>
<u>5.5</u>	<u>1.1</u>	<u>249</u>				<u>X</u>

7. Packing material used. Inserts Baggies Bubble Wrap Gel Packs Wet Ice Sleeves Other8. Were custody papers properly filled out (ink, signed, etc.)? NA (Y) N9. Did all bottles arrive in good condition (unbroken)? Indicate in the table below. NA (Y) N10. Were all sample labels complete (i.e analysis, preservation, etc.)? NA (Y) N11. Did all sample labels and tags agree with custody papers? Indicate major discrepancies in the table on page 2. NA (Y) N12. Were appropriate bottles/containers and volumes received for the tests indicated? NA (Y) N13. Were the pH-preserved bottles (see SMO GEN SOP) received at the appropriate pH? Indicate in the table below (NA) Y N14. Were VOA vials received without headspace? Indicate in the table below (NA) Y N15. Was C12/Res negative? (NA) Y N

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count Bottle Type	Out of Temp	Head- space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, & Resolutions:

**Perfluorinated Sulfonic Acids
and Perfluorinated Carboxylic Acids
by HPCL/MS**

Client: Camp Dresser & McKee, Incorporated (CDM)
Project: Baron & Budd, P.C./95779-75319
Sample Matrix: Water
Sample Name: Hagler Well " Raw"
Lab Code: K1001011-001

Service Request: K1001011
Date Collected: 2/ 3/10 0802
Date Received: 2/ 4/10

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analytical Method: PFOA
Prep Method: Method

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perfluoro-n-tetradecanoic acid	ND	U	5.0	0.46	1	2/ 9/10	2/17/10 20:08	105742	190532	
Perfluoro-n-tridecanoic acid	ND	U	5.0	0.95	1	2/ 9/10	2/17/10 20:08	105742	190532	
Perfluorobutanesulfonate	44		5.0	0.029	1	2/ 9/10	2/18/10 02:09	105742	190532	
Perfluorobutanoic Acid	32		5.0	0.11	1	2/ 9/10	2/18/10 02:09	105742	190532	
Perfluorodecane Sulfonate	0.19	J	5.0	0.095	1	2/ 9/10	2/17/10 20:08	105742	190532	
Perfluorodecanoic Acid	1.1	J	5.0	0.48	1	2/ 9/10	2/17/10 20:08	105742	190532	
Perfluorododecanoic Acid	ND	U	5.0	0.85	1	2/ 9/10	2/17/10 20:08	105742	190532	
Perfluoroheptanoic Acid	46		5.0	0.081	1	2/ 9/10	2/18/10 02:09	105742	190532	
Perfluorohexanesulfonate	170		5.0	0.030	1	2/ 9/10	2/18/10 02:09	105742	190532	
Perfluorohexanoic Acid	120		5.0	0.11	1	2/ 9/10	2/18/10 02:09	105742	190532	
Perfluorononanoic Acid	7.3		5.0	0.12	1	2/ 9/10	2/17/10 20:08	105742	190532	
Perfluorooctanesulfonate	220		5.0	0.046	1	2/ 9/10	2/17/10 20:08	105742	190532	
Perfluorooctanoic Acid	39		5.0	0.066	1	2/ 9/10	2/17/10 20:08	105742	190532	
Perfluoropentanoic Acid	96		5.0	0.11	1	2/ 9/10	2/18/10 02:09	105742	190532	
Perfluoroundecanoic Acid	ND	U	5.0	1.3	1	2/ 9/10	2/17/10 20:08	105742	190532	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
Perfluoro-n-[1,2,3,4,5-13C5] nonanoic acid	95	50-150	2/17/10 20:08		
Perfluoro-n-[1,2,3,4-13C4] butanoic acid	104	50-150	2/18/10 02:09		
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	113	50-150	2/17/10 20:08		
Perfluoro-n-[1,2-13C2] decanoic acid	100	50-150	2/17/10 20:08		
Perfluoro-n-[1,2-13C2] hexanoic acid	105	50-150	2/18/10 02:09		
Perfluoro-n-[1,2-13C2]dodecanoic Acid	61	50-150	2/17/10 20:08		
Perfluoro-n-[1,2-13C2]undecanoic Acid	62	50-150	2/17/10 20:08		
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	92	50-150	2/17/10 20:08		
Sodium perfluoro-1-hexane[18O2]sulfonate	118	50-150	2/18/10 02:09		

Comments:

Client: Camp Dresser & McKee, Incorporated (CDM)
Project: Baron & Budd, P.C./95779-75319
Sample Matrix: Water
Sample Name: Hagler Well " Treated"
Lab Code: K1001011-002

Service Request: K1001011
Date Collected: 2/ 3/10 0813
Date Received: 2/ 4/10

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analytical Method: PFOA
Prep Method: Method

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perfluoro-n-tetradecanoic acid	ND	U	5.0	0.46	1	2/ 9/10	2/17/10 20:16	105742	190532	
Perfluoro-n-tridecanoic acid	ND	U	5.0	0.95	1	2/ 9/10	2/17/10 20:16	105742	190532	
Perfluorobutanesulfonate	45		5.0	0.029	1	2/ 9/10	2/18/10 02:18	105742	190532	
Perfluorobutanoic Acid	33		5.0	0.11	1	2/ 9/10	2/18/10 02:18	105742	190532	
Perfluorodecane Sulfonate	0.14	J	5.0	0.095	1	2/ 9/10	2/17/10 20:16	105742	190532	
Perfluorodecanoic Acid	0.79	J	5.0	0.48	1	2/ 9/10	2/17/10 20:16	105742	190532	
Perfluorododecanoic Acid	ND	U	5.0	0.85	1	2/ 9/10	2/17/10 20:16	105742	190532	
Perfluoroheptanoic Acid	51		5.0	0.081	1	2/ 9/10	2/18/10 02:18	105742	190532	
Perfluorohexanesulfonate	180		5.0	0.030	1	2/ 9/10	2/18/10 02:18	105742	190532	
Perfluorohexanoic Acid	130		5.0	0.11	1	2/ 9/10	2/18/10 02:18	105742	190532	
Perfluorononanoic Acid	7.6		5.0	0.12	1	2/ 9/10	2/17/10 20:16	105742	190532	
Perfluorooctanesulfonate	240		5.0	0.046	1	2/ 9/10	2/17/10 20:16	105742	190532	
Perfluorooctanoic Acid	42		5.0	0.066	1	2/ 9/10	2/17/10 20:16	105742	190532	
Perfluoropentanoic Acid	100		5.0	0.11	1	2/ 9/10	2/18/10 02:18	105742	190532	
Perfluoroundecanoic Acid	ND	U	5.0	1.3	1	2/ 9/10	2/17/10 20:16	105742	190532	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
Perfluoro-n-[1,2,3,4,5-13C5] nonanoic acid	91	50-150	2/17/10 20:16		
Perfluoro-n-[1,2,3,4-13C4] butanoic acid	111	50-150	2/18/10 02:18		
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	121	50-150	2/17/10 20:16		
Perfluoro-n-[1,2-13C2] decanoic acid	100	50-150	2/17/10 20:16		
Perfluoro-n-[1,2-13C2] hexanoic acid	109	50-150	2/18/10 02:18		
Perfluoro-n-[1,2-13C2]dodecanoic Acid	58	50-150	2/17/10 20:16		
Perfluoro-n-[1,2-13C2]undecanoic Acid	67	50-150	2/17/10 20:16		
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	87	50-150	2/17/10 20:16		
Sodium perfluoro-1-hexane[18O2]sulfonate	118	50-150	2/18/10 02:18		

Comments:

Client: Camp Dresser & McKee, Incorporated (CDM)
Project: Baron & Budd, P.C./95779-75319
Sample Matrix: Water
Sample Name: Spanish Trail "Raw"
Lab Code: K1001011-003

Service Request: K1001011
Date Collected: 2/ 3/10 0833
Date Received: 2/ 4/10

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analytical Method: PFOA
Prep Method: Method

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perfluoro-n-tetradecanoic acid	ND	U	5.0	0.46	1	2/ 9/10	2/17/10 20:23	105742	190532	
Perfluoro-n-tridecanoic acid	ND	U	5.0	0.95	1	2/ 9/10	2/17/10 20:23	105742	190532	
Perfluorobutanesulfonate	8.4		5.0	0.029	1	2/ 9/10	2/18/10 02:28	105742	190532	
Perfluorobutanoic Acid	4.1	J	5.0	0.11	1	2/ 9/10	2/18/10 02:28	105742	190532	
Perfluorodecane Sulfonate	0.13	J	5.0	0.095	1	2/ 9/10	2/17/10 20:23	105742	190532	
Perfluorodecanoic Acid	ND	U	5.0	0.48	1	2/ 9/10	2/17/10 20:23	105742	190532	
Perfluorododecanoic Acid	ND	U	5.0	0.85	1	2/ 9/10	2/17/10 20:23	105742	190532	
Perfluoroheptanoic Acid	9.4		5.0	0.081	1	2/ 9/10	2/18/10 02:28	105742	190532	
Perfluorohexanesulfonate	64		5.0	0.030	1	2/ 9/10	2/18/10 02:28	105742	190532	
Perfluorohexanoic Acid	24		5.0	0.11	1	2/ 9/10	2/18/10 02:28	105742	190532	
Perfluorononanoic Acid	20		5.0	0.12	1	2/ 9/10	2/17/10 20:23	105742	190532	
Perfluorooctanesulfonate	11		5.0	0.046	1	2/ 9/10	2/17/10 20:23	105742	190532	
Perfluorooctanoic Acid	23		5.0	0.066	1	2/ 9/10	2/17/10 20:23	105742	190532	
Perfluoropentanoic Acid	11		5.0	0.11	1	2/ 9/10	2/18/10 02:28	105742	190532	
Perfluoroundecanoic Acid	ND	U	5.0	1.3	1	2/ 9/10	2/17/10 20:23	105742	190532	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
Perfluoro-n-[1,2,3,4,5-13C5] nonanoic acid	78	50-150	2/17/10 20:23		
Perfluoro-n-[1,2,3,4-13C4] butanoic acid	91	50-150	2/18/10 02:28		
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	93	50-150	2/17/10 20:23		
Perfluoro-n-[1,2-13C2] decanoic acid	100	50-150	2/17/10 20:23		
Perfluoro-n-[1,2-13C2] hexanoic acid	89	50-150	2/18/10 02:28		
Perfluoro-n-[1,2-13C2]dodecanoic Acid	49	* 50-150	2/17/10 20:23		
Perfluoro-n-[1,2-13C2]undecanoic Acid	67	50-150	2/17/10 20:23		
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	74	50-150	2/17/10 20:23		
Sodium perfluoro-1-hexane[18O2]sulfonate	106	50-150	2/18/10 02:28		

Comments:

Client: Camp Dresser & McKee, Incorporated (CDM)
Project: Baron & Budd, P.C./95779-75319
Sample Matrix: Water
Sample Name: Spanish Trail "Treated"
Lab Code: K1001011-004

Service Request: K1001011
Date Collected: 2/ 3/10 0843
Date Received: 2/ 4/10

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analytical Method: PFOA
Prep Method: Method

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perfluoro-n-tetradecanoic acid	ND	U	5.0	0.46	1	2/ 9/10	2/17/10 20:31	105742	190532	
Perfluoro-n-tridecanoic acid	ND	U	5.0	0.95	1	2/ 9/10	2/17/10 20:31	105742	190532	
Perfluorobutanesulfonate	8.7		5.0	0.029	1	2/ 9/10	2/18/10 02:37	105742	190532	
Perfluorobutanoic Acid	4.3	J	5.0	0.11	1	2/ 9/10	2/18/10 02:37	105742	190532	
Perfluorodecane Sulfonate	0.11	J	5.0	0.095	1	2/ 9/10	2/17/10 20:31	105742	190532	
Perfluorodecanoic Acid	ND	U	5.0	0.48	1	2/ 9/10	2/17/10 20:31	105742	190532	
Perfluorododecanoic Acid	ND	U	5.0	0.85	1	2/ 9/10	2/17/10 20:31	105742	190532	
Perfluoroheptanoic Acid	9.3		5.0	0.081	1	2/ 9/10	2/18/10 02:37	105742	190532	
Perfluorohexanesulfonate	64		5.0	0.030	1	2/ 9/10	2/18/10 02:37	105742	190532	
Perfluorohexanoic Acid	23		5.0	0.11	1	2/ 9/10	2/18/10 02:37	105742	190532	
Perfluorononanoic Acid	22		5.0	0.12	1	2/ 9/10	2/17/10 20:31	105742	190532	
Perfluorooctanesulfonate	11		5.0	0.046	1	2/ 9/10	2/17/10 20:31	105742	190532	
Perfluorooctanoic Acid	24		5.0	0.066	1	2/ 9/10	2/17/10 20:31	105742	190532	
Perfluoropentanoic Acid	11		5.0	0.11	1	2/ 9/10	2/18/10 02:37	105742	190532	
Perfluoroundecanoic Acid	ND	U	5.0	1.3	1	2/ 9/10	2/17/10 20:31	105742	190532	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
Perfluoro-n-[1,2,3,4,5-13C5] nonanoic acid	80	50-150	2/17/10 20:31		
Perfluoro-n-[1,2,3,4-13C4] butanoic acid	85	50-150	2/18/10 02:37		
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	102	50-150	2/17/10 20:31		
Perfluoro-n-[1,2-13C2] decanoic acid	100	50-150	2/17/10 20:31		
Perfluoro-n-[1,2-13C2] hexanoic acid	90	50-150	2/18/10 02:37		
Perfluoro-n-[1,2-13C2]dodecanoic Acid	44	* 50-150	2/17/10 20:31		
Perfluoro-n-[1,2-13C2]undecanoic Acid	64	50-150	2/17/10 20:31		
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	78	50-150	2/17/10 20:31		
Sodium perfluoro-1-hexane[18O2]sulfonate	100	50-150	2/18/10 02:37		

Comments:

Client: Camp Dresser & McKee, Incorporated (CDM)
Project: Baron & Budd, P.C./95779-75319
Sample Matrix: Water
Sample Name: Airport North "Raw"
Lab Code: K1001011-005

Service Request: K1001011
Date Collected: 2/ 3/10 0912
Date Received: 2/ 4/10

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analytical Method: PFOA
Prep Method: Method

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perfluoro-n-tetradecanoic acid	ND	U	5.0	0.46	1	2/ 9/10	2/17/10 20:38	105742	190532	
Perfluoro-n-tridecanoic acid	ND	U	5.0	0.95	1	2/ 9/10	2/17/10 20:38	105742	190532	
Perfluorobutanesulfonate	5.0	J	5.0	0.029	1	2/ 9/10	2/18/10 02:47	105742	190532	
Perfluorobutanoic Acid	2.9	J	5.0	0.11	1	2/ 9/10	2/18/10 02:47	105742	190532	
Perfluorodecane Sulfonate	0.48	J	5.0	0.095	1	2/ 9/10	2/17/10 20:38	105742	190532	
Perfluorodecanoic Acid	1.0	J	5.0	0.48	1	2/ 9/10	2/17/10 20:38	105742	190532	
Perfluorododecanoic Acid	1.1	J	5.0	0.85	1	2/ 9/10	2/17/10 20:38	105742	190532	
Perfluoroheptanoic Acid	6.5		5.0	0.081	1	2/ 9/10	2/18/10 02:47	105742	190532	
Perfluorohexanesulfonate	34		5.0	0.030	1	2/ 9/10	2/18/10 02:47	105742	190532	
Perfluorohexanoic Acid	14		5.0	0.11	1	2/ 9/10	2/18/10 02:47	105742	190532	
Perfluorononanoic Acid	58		5.0	0.12	1	2/ 9/10	2/17/10 20:38	105742	190532	
Perfluorooctanesulfonate	32		5.0	0.046	1	2/ 9/10	2/17/10 20:38	105742	190532	
Perfluorooctanoic Acid	14		5.0	0.066	1	2/ 9/10	2/17/10 20:38	105742	190532	
Perfluoropentanoic Acid	7.8		5.0	0.11	1	2/ 9/10	2/18/10 02:47	105742	190532	
Perfluoroundecanoic Acid	2.2	J	5.0	1.3	1	2/ 9/10	2/17/10 20:38	105742	190532	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
Perfluoro-n-[1,2,3,4,5-13C5] nonanoic acid	81	50-150	2/17/10 20:38		
Perfluoro-n-[1,2,3,4-13C4] butanoic acid	80	50-150	2/18/10 02:47		
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	107	50-150	2/17/10 20:38		
Perfluoro-n-[1,2-13C2] decanoic acid	100	50-150	2/17/10 20:38		
Perfluoro-n-[1,2-13C2] hexanoic acid	87	50-150	2/18/10 02:47		
Perfluoro-n-[1,2-13C2]dodecanoic Acid	34	* 50-150	2/17/10 20:38		
Perfluoro-n-[1,2-13C2]undecanoic Acid	51	50-150	2/17/10 20:38		
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	75	50-150	2/17/10 20:38		
Sodium perfluoro-1-hexane[18O2]sulfonate	110	50-150	2/18/10 02:47		

Comments:

Client: Camp Dresser & McKee, Incorporated (CDM)
Project: Baron & Budd, P.C./95779-75319
Sample Matrix: Water
Sample Name: Airport North "Treated"
Lab Code: K1001011-006

Service Request: K1001011
Date Collected: 2/ 3/10 0923
Date Received: 2/ 4/10

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analytical Method: PFOA
Prep Method: Method

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perfluoro-n-tetradecanoic acid	ND	U	5.0	0.46	1	2/ 9/10	2/17/10 20:46	105742	190532	
Perfluoro-n-tridecanoic acid	ND	U	5.0	0.95	1	2/ 9/10	2/17/10 20:46	105742	190532	
Perfluorobutanesulfonate	4.8	J	5.0	0.029	1	2/ 9/10	2/18/10 02:57	105742	190532	
Perfluorobutanoic Acid	2.9	J	5.0	0.11	1	2/ 9/10	2/18/10 02:57	105742	190532	
Perfluorodecane Sulfonate	0.34	J	5.0	0.095	1	2/ 9/10	2/17/10 20:46	105742	190532	
Perfluorodecanoic Acid	0.54	J	5.0	0.48	1	2/ 9/10	2/17/10 20:46	105742	190532	
Perfluorododecanoic Acid	1.0	J	5.0	0.85	1	2/ 9/10	2/17/10 20:46	105742	190532	
Perfluoroheptanoic Acid	6.0		5.0	0.081	1	2/ 9/10	2/18/10 02:57	105742	190532	
Perfluorohexanesulfonate	31		5.0	0.030	1	2/ 9/10	2/18/10 02:57	105742	190532	
Perfluorohexanoic Acid	14		5.0	0.11	1	2/ 9/10	2/18/10 02:57	105742	190532	
Perfluorononanoic Acid	54		5.0	0.12	1	2/ 9/10	2/17/10 20:46	105742	190532	
Perfluorooctanesulfonate	30		5.0	0.046	1	2/ 9/10	2/17/10 20:46	105742	190532	
Perfluorooctanoic Acid	15		5.0	0.066	1	2/ 9/10	2/17/10 20:46	105742	190532	
Perfluoropentanoic Acid	8.0		5.0	0.11	1	2/ 9/10	2/18/10 02:57	105742	190532	
Perfluoroundecanoic Acid	ND	U	5.0	1.3	1	2/ 9/10	2/17/10 20:46	105742	190532	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
Perfluoro-n-[1,2,3,4,5-13C5] nonanoic acid	107	50-150	2/17/10 20:46		
Perfluoro-n-[1,2,3,4-13C4] butanoic acid	107	50-150	2/18/10 02:57		
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	116	50-150	2/17/10 20:46		
Perfluoro-n-[1,2-13C2] decanoic acid	100	50-150	2/17/10 20:46		
Perfluoro-n-[1,2-13C2] hexanoic acid	109	50-150	2/18/10 02:57		
Perfluoro-n-[1,2-13C2]dodecanoic Acid	64	50-150	2/17/10 20:46		
Perfluoro-n-[1,2-13C2]undecanoic Acid	66	50-150	2/17/10 20:46		
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	98	50-150	2/17/10 20:46		
Sodium perfluoro-1-hexane[18O2]sulfonate	129	50-150	2/18/10 02:57		

Comments:

Client: Camp Dresser & McKee, Incorporated (CDM)
Project: Baron & Budd, P.C./95779-75319
Sample Matrix: Water
Sample Name: McAllister "Raw"
Lab Code: K1001011-007

Service Request: K1001011
Date Collected: 2/ 3/10 0949
Date Received: 2/ 4/10

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analytical Method: PFOA
Prep Method: Method

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perfluoro-n-tetradecanoic acid	ND	U	5.0	0.46	1	2/ 9/10	2/17/10 20:54	105742	190532	
Perfluoro-n-tridecanoic acid	ND	U	5.0	0.95	1	2/ 9/10	2/17/10 20:54	105742	190532	
Perfluorobutanesulfonate	5.8		5.0	0.029	1	2/ 9/10	2/18/10 03:06	105742	190532	
Perfluorobutanoic Acid	5.0		5.0	0.11	1	2/ 9/10	2/18/10 03:06	105742	190532	
Perfluorodecane Sulfonate	0.13	J	5.0	0.095	1	2/ 9/10	2/17/10 20:54	105742	190532	
Perfluorodecanoic Acid	0.83	J	5.0	0.48	1	2/ 9/10	2/17/10 20:54	105742	190532	
Perfluorododecanoic Acid	ND	U	5.0	0.85	1	2/ 9/10	2/17/10 20:54	105742	190532	
Perfluoroheptanoic Acid	16		5.0	0.081	1	2/ 9/10	2/18/10 03:06	105742	190532	
Perfluorohexanesulfonate	55		5.0	0.030	1	2/ 9/10	2/18/10 03:06	105742	190532	
Perfluorohexanoic Acid	26		5.0	0.11	1	2/ 9/10	2/18/10 03:06	105742	190532	
Perfluorononanoic Acid	140		5.0	0.12	1	2/ 9/10	2/17/10 20:54	105742	190532	
Perfluorooctanesulfonate	150		5.0	0.046	1	2/ 9/10	2/17/10 20:54	105742	190532	
Perfluorooctanoic Acid	38		5.0	0.066	1	2/ 9/10	2/17/10 20:54	105742	190532	
Perfluoropentanoic Acid	13		5.0	0.11	1	2/ 9/10	2/18/10 03:06	105742	190532	
Perfluoroundecanoic Acid	3.1	J	5.0	1.3	1	2/ 9/10	2/17/10 20:54	105742	190532	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
Perfluoro-n-[1,2,3,4,5-13C5] nonanoic acid	96	50-150	2/17/10 20:54		
Perfluoro-n-[1,2,3,4-13C4] butanoic acid	96	50-150	2/18/10 03:06		
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	118	50-150	2/17/10 20:54		
Perfluoro-n-[1,2-13C2] decanoic acid	100	50-150	2/17/10 20:54		
Perfluoro-n-[1,2-13C2] hexanoic acid	103	50-150	2/18/10 03:06		
Perfluoro-n-[1,2-13C2]dodecanoic Acid	63	50-150	2/17/10 20:54		
Perfluoro-n-[1,2-13C2]undecanoic Acid	79	50-150	2/17/10 20:54		
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	101	50-150	2/17/10 20:54		
Sodium perfluoro-1-hexane[18O2]sulfonate	121	50-150	2/18/10 03:06		

Comments:

Client: Camp Dresser & McKee, Incorporated (CDM)
Project: Baron & Budd, P.C./95779-75319
Sample Matrix: Water
Sample Name: McAllister "Treated"
Lab Code: K1001011-008

Service Request: K1001011
Date Collected: 2/ 3/10 1002
Date Received: 2/ 4/10

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analytical Method: PFOA
Prep Method: Method

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perfluoro-n-tetradecanoic acid	ND	U	5.0	0.46	1	2/ 9/10	2/17/10 21:01	105742	190532	
Perfluoro-n-tridecanoic acid	ND	U	5.0	0.95	1	2/ 9/10	2/17/10 21:01	105742	190532	
Perfluorobutanesulfonate	0.29	J	5.0	0.029	1	2/ 9/10	2/18/10 03:16	105742	190532	
Perfluorobutanoic Acid	6.7		5.0	0.11	1	2/ 9/10	2/18/10 03:16	105742	190532	
Perfluorodecane Sulfonate	0.57	J	5.0	0.095	1	2/ 9/10	2/17/10 21:01	105742	190532	
Perfluorodecanoic Acid	0.62	J	5.0	0.48	1	2/ 9/10	2/17/10 21:01	105742	190532	
Perfluorododecanoic Acid	1.3	J	5.0	0.85	1	2/ 9/10	2/17/10 21:01	105742	190532	
Perfluoroheptanoic Acid	0.32	J	5.0	0.081	1	2/ 9/10	2/18/10 03:16	105742	190532	
Perfluorohexanesulfonate	0.30	J	5.0	0.030	1	2/ 9/10	2/18/10 03:16	105742	190532	
Perfluorohexanoic Acid	0.95	J	5.0	0.11	1	2/ 9/10	2/18/10 03:16	105742	190532	
Perfluorononanoic Acid	0.56	J	5.0	0.12	1	2/ 9/10	2/17/10 21:01	105742	190532	
Perfluorooctanesulfonate	0.77	J	5.0	0.046	1	2/ 9/10	2/17/10 21:01	105742	190532	
Perfluorooctanoic Acid	0.45	J	5.0	0.066	1	2/ 9/10	2/17/10 21:01	105742	190532	
Perfluoropentanoic Acid	3.3	J	5.0	0.11	1	2/ 9/10	2/18/10 03:16	105742	190532	
Perfluoroundecanoic Acid	1.9	J	5.0	1.3	1	2/ 9/10	2/17/10 21:01	105742	190532	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
Perfluoro-n-[1,2,3,4,5-13C5] nonanoic acid	97	50-150	2/17/10 21:01		
Perfluoro-n-[1,2,3,4-13C4] butanoic acid	113	50-150	2/18/10 03:16		
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	120	50-150	2/17/10 21:01		
Perfluoro-n-[1,2-13C2] decanoic acid	100	50-150	2/17/10 21:01		
Perfluoro-n-[1,2-13C2] hexanoic acid	115	50-150	2/18/10 03:16		
Perfluoro-n-[1,2-13C2]dodecanoic Acid	56	50-150	2/17/10 21:01		
Perfluoro-n-[1,2-13C2]undecanoic Acid	67	50-150	2/17/10 21:01		
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	93	50-150	2/17/10 21:01		
Sodium perfluoro-1-hexane[18O2]sulfonate	118	50-150	2/18/10 03:16		

Comments: _____

Client: Camp Dresser & McKee, Incorporated (CDM)
Project: Baron & Budd, P.C./95779-75319
Sample Matrix: Water
Sample Name: Humphrey "Raw"
Lab Code: K1001011-009

Service Request: K1001011
Date Collected: 2/ 3/10 1055
Date Received: 2/ 4/10
Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analytical Method: PFOA
Prep Method: Method

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perfluoro-n-tetradecanoic acid	ND	U	5.0	0.46	1	2/ 9/10	2/17/10 21:09	105742	190532	
Perfluoro-n-tridecanoic acid	ND	U	5.0	0.95	1	2/ 9/10	2/17/10 21:09	105742	190532	
Perfluorobutanesulfonate	1.6	J	5.0	0.029	1	2/ 9/10	2/18/10 03:25	105742	190532	
Perfluorobutanoic Acid	1.3	J	5.0	0.11	1	2/ 9/10	2/18/10 03:25	105742	190532	
Perfluorodecane Sulfonate	0.49	J	5.0	0.095	1	2/ 9/10	2/17/10 21:09	105742	190532	
Perfluorodecanoic Acid	ND	U	5.0	0.48	1	2/ 9/10	2/17/10 21:09	105742	190532	
Perfluorododecanoic Acid	0.87	J	5.0	0.85	1	2/ 9/10	2/17/10 21:09	105742	190532	
Perfluoroheptanoic Acid	3.1	J	5.0	0.081	1	2/ 9/10	2/18/10 03:25	105742	190532	
Perfluorohexanesulfonate	7.5		5.0	0.030	1	2/ 9/10	2/18/10 03:25	105742	190532	
Perfluorohexanoic Acid	4.8	J	5.0	0.11	1	2/ 9/10	2/18/10 03:25	105742	190532	
Perfluorononanoic Acid	0.61	J	5.0	0.12	1	2/ 9/10	2/17/10 21:09	105742	190532	
Perfluorooctanesulfonate	5.9		5.0	0.046	1	2/ 9/10	2/17/10 21:09	105742	190532	
Perfluorooctanoic Acid	7.9		5.0	0.066	1	2/ 9/10	2/17/10 21:09	105742	190532	
Perfluoropentanoic Acid	3.7	J	5.0	0.11	1	2/ 9/10	2/18/10 03:25	105742	190532	
Perfluoroundecanoic Acid	ND	U	5.0	1.3	1	2/ 9/10	2/17/10 21:09	105742	190532	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
Perfluoro-n-[1,2,3,4,5-13C5] nonanoic acid	90	50-150	2/17/10 21:09		
Perfluoro-n-[1,2,3,4-13C4] butanoic acid	97	50-150	2/18/10 03:25		
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	104	50-150	2/17/10 21:09		
Perfluoro-n-[1,2-13C2] decanoic acid	100	50-150	2/17/10 21:09		
Perfluoro-n-[1,2-13C2] hexanoic acid	101	50-150	2/18/10 03:25		
Perfluoro-n-[1,2-13C2]dodecanoic Acid	54	50-150	2/17/10 21:09		
Perfluoro-n-[1,2-13C2]undecanoic Acid	69	50-150	2/17/10 21:09		
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	89	50-150	2/17/10 21:09		
Sodium perfluoro-1-hexane[18O2]sulfonate	120	50-150	2/18/10 03:25		

Comments:

Client: Camp Dresser & McKee, Incorporated (CDM)
Project: Baron & Budd, P.C./95779-75319
Sample Matrix: Water
Sample Name: Humphrey "Treated"
Lab Code: K1001011-010

Service Request: K1001011
Date Collected: 2/ 3/10 1107
Date Received: 2/ 4/10

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analytical Method: PFOA
Prep Method: Method

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perfluoro-n-tetradecanoic acid	ND	U	5.0	0.46	1	2/ 9/10	2/17/10 21:16	105742	190532	
Perfluoro-n-tridecanoic acid	ND	U	5.0	0.95	1	2/ 9/10	2/17/10 21:16	105742	190532	
Perfluorobutanesulfonate	ND	U	5.0	0.029	1	2/ 9/10	2/18/10 03:35	105742	190532	
Perfluorobutanoic Acid	0.21	J	5.0	0.11	1	2/ 9/10	2/18/10 03:35	105742	190532	
Perfluorodecane Sulfonate	0.13	J	5.0	0.095	1	2/ 9/10	2/17/10 21:16	105742	190532	
Perfluorodecanoic Acid	ND	U	5.0	0.48	1	2/ 9/10	2/17/10 21:16	105742	190532	
Perfluorododecanoic Acid	ND	U	5.0	0.85	1	2/ 9/10	2/17/10 21:16	105742	190532	
Perfluoroheptanoic Acid	ND	U	5.0	0.081	1	2/ 9/10	2/18/10 03:35	105742	190532	
Perfluorohexanesulfonate	0.12	J	5.0	0.030	1	2/ 9/10	2/18/10 03:35	105742	190532	
Perfluorohexanoic Acid	0.11	J	5.0	0.11	1	2/ 9/10	2/18/10 03:35	105742	190532	
Perfluorononanoic Acid	ND	U	5.0	0.12	1	2/ 9/10	2/17/10 21:16	105742	190532	
Perfluorooctanesulfonate	0.20	J	5.0	0.046	1	2/ 9/10	2/17/10 21:16	105742	190532	
Perfluorooctanoic Acid	0.22	J	5.0	0.066	1	2/ 9/10	2/17/10 21:16	105742	190532	
Perfluoropentanoic Acid	0.20	J	5.0	0.11	1	2/ 9/10	2/18/10 03:35	105742	190532	
Perfluoroundecanoic Acid	ND	U	5.0	1.3	1	2/ 9/10	2/17/10 21:16	105742	190532	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
Perfluoro-n-[1,2,3,4,5-13C5] nonanoic acid	96	50-150	2/17/10 21:16		
Perfluoro-n-[1,2,3,4-13C4] butanoic acid	94	50-150	2/18/10 03:35		
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	116	50-150	2/17/10 21:16		
Perfluoro-n-[1,2-13C2] decanoic acid	100	50-150	2/17/10 21:16		
Perfluoro-n-[1,2-13C2] hexanoic acid	101	50-150	2/18/10 03:35		
Perfluoro-n-[1,2-13C2]dodecanoic Acid	58	50-150	2/17/10 21:16		
Perfluoro-n-[1,2-13C2]undecanoic Acid	68	50-150	2/17/10 21:16		
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	92	50-150	2/17/10 21:16		
Sodium perfluoro-1-hexane[18O2]sulfonate	118	50-150	2/18/10 03:35		

Comments:

Client: Camp Dresser & McKee, Incorporated (CDM)
 Project: Baron & Budd, P.C./95779-75319
 Sample Matrix: Water
 Sample Name: Broad "Raw"
 Lab Code: K1001011-011

Service Request: K1001011
 Date Collected: 2/ 3/10 1146
 Date Received: 2/ 4/10

Units: ng/L
 Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analytical Method: PFOA
 Prep Method: Method

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perfluoro-n-tetradecanoic acid	ND	U	5.0	0.46	1	2/ 9/10	2/17/10 21:24	105742	190532	
Perfluoro-n-tridecanoic acid	ND	U	5.0	0.95	1	2/ 9/10	2/17/10 21:24	105742	190532	
Perfluorobutanesulfonate	0.25	J	5.0	0.029	1	2/ 9/10	2/18/10 03:44	105742	190532	
Perfluorobutanoic Acid	0.29	J	5.0	0.11	1	2/ 9/10	2/18/10 03:44	105742	190532	
Perfluorodecane Sulfonate	0.75	J	5.0	0.095	1	2/ 9/10	2/17/10 21:24	105742	190532	
Perfluorodecanoic Acid	1.0	J	5.0	0.48	1	2/ 9/10	2/17/10 21:24	105742	190532	
Perfluorododecanoic Acid	1.2	J	5.0	0.85	1	2/ 9/10	2/17/10 21:24	105742	190532	
Perfluoroheptanoic Acid	0.29	J	5.0	0.081	1	2/ 9/10	2/18/10 03:44	105742	190532	
Perfluorohexanesulfonate	0.59	J	5.0	0.030	1	2/ 9/10	2/18/10 03:44	105742	190532	
Perfluorohexanoic Acid	0.50	J	5.0	0.11	1	2/ 9/10	2/18/10 03:44	105742	190532	
Perfluorononanoic Acid	0.63	J	5.0	0.12	1	2/ 9/10	2/17/10 21:24	105742	190532	
Perfluorooctanesulfonate	1.7	J	5.0	0.046	1	2/ 9/10	2/17/10 21:24	105742	190532	
Perfluorooctanoic Acid	1.8	J	5.0	0.066	1	2/ 9/10	2/17/10 21:24	105742	190532	
Perfluoropentanoic Acid	0.44	J	5.0	0.11	1	2/ 9/10	2/18/10 03:44	105742	190532	
Perfluoroundecanoic Acid	1.6	J	5.0	1.3	1	2/ 9/10	2/17/10 21:24	105742	190532	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
Perfluoro-n-[1,2,3,4,5-13C5] nonanoic acid	103	50-150	2/17/10 21:24		
Perfluoro-n-[1,2,3,4-13C4] butanoic acid	84	50-150	2/18/10 03:44		
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	120	50-150	2/17/10 21:24		
Perfluoro-n-[1,2-13C2] decanoic acid	100	50-150	2/17/10 21:24		
Perfluoro-n-[1,2-13C2] hexanoic acid	88	50-150	2/18/10 03:44		
Perfluoro-n-[1,2-13C2]dodecanoic Acid	77	50-150	2/17/10 21:24		
Perfluoro-n-[1,2-13C2]undecanoic Acid	97	50-150	2/17/10 21:24		
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	117	50-150	2/17/10 21:24		
Sodium perfluoro-1-hexane[18O2]sulfonate	112	50-150	2/18/10 03:44		

Comments:

Client: Camp Dresser & McKee, Incorporated (CDM)
Project: Baron & Budd, P.C./95779-75319
Sample Matrix: Water
Sample Name: Broad "Treated"
Lab Code: K1001011-012

Service Request: K1001011
Date Collected: 2/ 3/10 1200
Date Received: 2/ 4/10

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analytical Method: PFOA
Prep Method: Method

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perfluoro-n-tetradecanoic acid	ND	U	5.0	0.46	1	2/ 9/10	2/17/10 21:31	105742	190532	
Perfluoro-n-tridecanoic acid	ND	U	5.0	0.95	1	2/ 9/10	2/17/10 21:31	105742	190532	
Perfluorobutanesulfonate	0.38	J	5.0	0.029	1	2/ 9/10	2/18/10 03:54	105742	190532	
Perfluorobutanoic Acid	0.33	J	5.0	0.11	1	2/ 9/10	2/18/10 03:54	105742	190532	
Perfluorodecane Sulfonate	0.25	J	5.0	0.095	1	2/ 9/10	2/17/10 21:31	105742	190532	
Perfluorodecanoic Acid	0.49	J	5.0	0.48	1	2/ 9/10	2/17/10 21:31	105742	190532	
Perfluorododecanoic Acid	ND	U	5.0	0.85	1	2/ 9/10	2/17/10 21:31	105742	190532	
Perfluoroheptanoic Acid	0.37	J	5.0	0.081	1	2/ 9/10	2/18/10 03:54	105742	190532	
Perfluorohexanesulfonate	0.65	J	5.0	0.030	1	2/ 9/10	2/18/10 03:54	105742	190532	
Perfluorohexanoic Acid	0.71	J	5.0	0.11	1	2/ 9/10	2/18/10 03:54	105742	190532	
Perfluorononanoic Acid	0.34	J	5.0	0.12	1	2/ 9/10	2/17/10 21:31	105742	190532	
Perfluorooctanesulfonate	1.2	J	5.0	0.046	1	2/ 9/10	2/17/10 21:31	105742	190532	
Perfluorooctanoic Acid	2.1	J	5.0	0.066	1	2/ 9/10	2/17/10 21:31	105742	190532	
Perfluoropentanoic Acid	0.56	J	5.0	0.11	1	2/ 9/10	2/18/10 03:54	105742	190532	
Perfluoroundecanoic Acid	ND	U	5.0	1.3	1	2/ 9/10	2/17/10 21:31	105742	190532	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
Perfluoro-n-[1,2,3,4,5-13C5] nonanoic acid	81	50-150	2/17/10 21:31		
Perfluoro-n-[1,2,3,4-13C4] butanoic acid	77	50-150	2/18/10 03:54		
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	95	50-150	2/17/10 21:31		
Perfluoro-n-[1,2-13C2] decanoic acid	100	50-150	2/17/10 21:31		
Perfluoro-n-[1,2-13C2] hexanoic acid	86	50-150	2/18/10 03:54		
Perfluoro-n-[1,2-13C2]dodecanoic Acid	44	* 50-150	2/17/10 21:31		
Perfluoro-n-[1,2-13C2]undecanoic Acid	58	50-150	2/17/10 21:31		
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	75	50-150	2/17/10 21:31		
Sodium perfluoro-1-hexane[18O2]sulfonate	109	50-150	2/18/10 03:54		

Comments:

Client: Camp Dresser & McKee, Incorporated (CDM)
Project: Baron & Budd, P.C./95779-75319
Sample Matrix: Water
Sample Name: Tennant "Raw"
Lab Code: K1001011-013

Service Request: K1001011
Date Collected: 2/ 3/10 1305
Date Received: 2/ 4/10

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analytical Method: PFOA
Prep Method: Method

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perfluoro-n-tetradecanoic acid	ND	U	5.0	0.46	1	2/ 9/10	2/17/10 21:39	105742	190532	
Perfluoro-n-tridecanoic acid	ND	U	5.0	0.95	1	2/ 9/10	2/17/10 21:39	105742	190532	
Perfluorobutanesulfonate	0.61	J	5.0	0.029	1	2/ 9/10	2/18/10 04:03	105742	190532	
Perfluorobutanoic Acid	0.80	J	5.0	0.11	1	2/ 9/10	2/18/10 04:03	105742	190532	
Perfluorodecane Sulfonate	0.17	J	5.0	0.095	1	2/ 9/10	2/17/10 21:39	105742	190532	
Perfluorodecanoic Acid	ND	U	5.0	0.48	1	2/ 9/10	2/17/10 21:39	105742	190532	
Perfluorododecanoic Acid	ND	U	5.0	0.85	1	2/ 9/10	2/17/10 21:39	105742	190532	
Perfluoroheptanoic Acid	1.6	J	5.0	0.081	1	2/ 9/10	2/18/10 04:03	105742	190532	
Perfluorohexanesulfonate	3.2	J	5.0	0.030	1	2/ 9/10	2/18/10 04:03	105742	190532	
Perfluorohexanoic Acid	2.3	J	5.0	0.11	1	2/ 9/10	2/18/10 04:03	105742	190532	
Perfluorononanoic Acid	0.66	J	5.0	0.12	1	2/ 9/10	2/17/10 21:39	105742	190532	
Perfluorooctanesulfonate	5.9		5.0	0.046	1	2/ 9/10	2/17/10 21:39	105742	190532	
Perfluorooctanoic Acid	3.2	J	5.0	0.066	1	2/ 9/10	2/17/10 21:39	105742	190532	
Perfluoropentanoic Acid	2.1	J	5.0	0.11	1	2/ 9/10	2/18/10 04:03	105742	190532	
Perfluoroundecanoic Acid	ND	U	5.0	1.3	1	2/ 9/10	2/17/10 21:39	105742	190532	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
Perfluoro-n-[1,2,3,4,5-13C5] nonanoic acid	82	50-150	2/17/10 21:39		
Perfluoro-n-[1,2,3,4-13C4] butanoic acid	74	50-150	2/18/10 04:03		
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	97	50-150	2/17/10 21:39		
Perfluoro-n-[1,2-13C2] decanoic acid	100	50-150	2/17/10 21:39		
Perfluoro-n-[1,2-13C2] hexanoic acid	79	50-150	2/18/10 04:03		
Perfluoro-n-[1,2-13C2]dodecanoic Acid	50	50-150	2/17/10 21:39		
Perfluoro-n-[1,2-13C2]undecanoic Acid	59	50-150	2/17/10 21:39		
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	84	50-150	2/17/10 21:39		
Sodium perfluoro-1-hexane[18O2]sulfonate	104	50-150	2/18/10 04:03		

Comments:

Client: Camp Dresser & McKee, Incorporated (CDM)
Project: Baron & Budd, P.C./95779-75319
Sample Matrix: Water
Sample Name: Tennant "Treated"
Lab Code: K1001011-014

Service Request: K1001011
Date Collected: 2/ 3/10 1317
Date Received: 2/ 4/10

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analytical Method: PFOA
Prep Method: Method

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perfluoro-n-tetradecanoic acid	ND	U	5.0	0.46	1	2/ 9/10	2/17/10 21:46	105742	190532	
Perfluoro-n-tridecanoic acid	ND	U	5.0	0.95	1	2/ 9/10	2/17/10 21:46	105742	190532	
Perfluorobutanesulfonate	0.67	J	5.0	0.029	1	2/ 9/10	2/18/10 04:13	105742	190532	
Perfluorobutanoic Acid	0.81	J	5.0	0.11	1	2/ 9/10	2/18/10 04:13	105742	190532	
Perfluorodecane Sulfonate	0.12	J	5.0	0.095	1	2/ 9/10	2/17/10 21:46	105742	190532	
Perfluorodecanoic Acid	ND	U	5.0	0.48	1	2/ 9/10	2/17/10 21:46	105742	190532	
Perfluorododecanoic Acid	ND	U	5.0	0.85	1	2/ 9/10	2/17/10 21:46	105742	190532	
Perfluoroheptanoic Acid	1.3	J	5.0	0.081	1	2/ 9/10	2/18/10 04:13	105742	190532	
Perfluorohexanesulfonate	3.5	J	5.0	0.030	1	2/ 9/10	2/18/10 04:13	105742	190532	
Perfluorohexanoic Acid	2.1	J	5.0	0.11	1	2/ 9/10	2/18/10 04:13	105742	190532	
Perfluorononanoic Acid	0.57	J	5.0	0.12	1	2/ 9/10	2/17/10 21:46	105742	190532	
Perfluorooctanesulfonate	5.8		5.0	0.046	1	2/ 9/10	2/17/10 21:46	105742	190532	
Perfluorooctanoic Acid	3.6	J	5.0	0.066	1	2/ 9/10	2/17/10 21:46	105742	190532	
Perfluoropentanoic Acid	2.1	J	5.0	0.11	1	2/ 9/10	2/18/10 04:13	105742	190532	
Perfluoroundecanoic Acid	ND	U	5.0	1.3	1	2/ 9/10	2/17/10 21:46	105742	190532	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
Perfluoro-n-[1,2,3,4,5-13C5] nonanoic acid	89	50-150	2/17/10 21:46		
Perfluoro-n-[1,2,3,4-13C4] butanoic acid	97	50-150	2/18/10 04:13		
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	103	50-150	2/17/10 21:46		
Perfluoro-n-[1,2-13C2] decanoic acid	100	50-150	2/17/10 21:46		
Perfluoro-n-[1,2-13C2] hexanoic acid	101	50-150	2/18/10 04:13		
Perfluoro-n-[1,2-13C2]dodecanoic Acid	45	* 50-150	2/17/10 21:46		
Perfluoro-n-[1,2-13C2]undecanoic Acid	47	* 50-150	2/17/10 21:46		
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	90	50-150	2/17/10 21:46		
Sodium perfluoro-1-hexane[18O2]sulfonate	113	50-150	2/18/10 04:13		

Comments:

Client: Camp Dresser & McKee, Incorporated (CDM)
Project: Baron & Budd, P.C./95779-75319
Sample Matrix: Water
Sample Name: Muldoon "Raw"
Lab Code: K1001011-015

Service Request: K1001011
Date Collected: 2/ 3/10 1347
Date Received: 2/ 4/10

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analytical Method: PFOA
Prep Method: Method

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perfluoro-n-tetradecanoic acid	ND	U	5.0	0.46	1	2/ 9/10	2/17/10 21:54	105742	190532	
Perfluoro-n-tridecanoic acid	ND	U	5.0	0.95	1	2/ 9/10	2/17/10 21:54	105742	190532	
Perfluorobutanesulfonate	0.68	J	5.0	0.029	1	2/ 9/10	2/18/10 04:23	105742	190532	
Perfluorobutanoic Acid	0.38	J	5.0	0.11	1	2/ 9/10	2/18/10 04:23	105742	190532	
Perfluorodecane Sulfonate	0.30	J	5.0	0.095	1	2/ 9/10	2/17/10 21:54	105742	190532	
Perfluorodecanoic Acid	ND	U	5.0	0.48	1	2/ 9/10	2/17/10 21:54	105742	190532	
Perfluorododecanoic Acid	ND	U	5.0	0.85	1	2/ 9/10	2/17/10 21:54	105742	190532	
Perfluoroheptanoic Acid	0.71	J	5.0	0.081	1	2/ 9/10	2/18/10 04:23	105742	190532	
Perfluorohexanesulfonate	4.5	J	5.0	0.030	1	2/ 9/10	2/18/10 04:23	105742	190532	
Perfluorohexanoic Acid	1.2	J	5.0	0.11	1	2/ 9/10	2/18/10 04:23	105742	190532	
Perfluorononanoic Acid	0.45	J	5.0	0.12	1	2/ 9/10	2/17/10 21:54	105742	190532	
Perfluorooctanesulfonate	4.3	J	5.0	0.046	1	2/ 9/10	2/17/10 21:54	105742	190532	
Perfluorooctanoic Acid	1.9	J	5.0	0.066	1	2/ 9/10	2/17/10 21:54	105742	190532	
Perfluoropentanoic Acid	0.98	J	5.0	0.11	1	2/ 9/10	2/18/10 04:23	105742	190532	
Perfluoroundecanoic Acid	ND	U	5.0	1.3	1	2/ 9/10	2/17/10 21:54	105742	190532	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
Perfluoro-n-[1,2,3,4,5-13C5] nonanoic acid	86	50-150	2/17/10 21:54		
Perfluoro-n-[1,2,3,4-13C4] butanoic acid	86	50-150	2/18/10 04:23		
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	102	50-150	2/17/10 21:54		
Perfluoro-n-[1,2-13C2] decanoic acid	100	50-150	2/17/10 21:54		
Perfluoro-n-[1,2-13C2] hexanoic acid	86	50-150	2/18/10 04:23		
Perfluoro-n-[1,2-13C2]dodecanoic Acid	46	* 50-150	2/17/10 21:54		
Perfluoro-n-[1,2-13C2]undecanoic Acid	52	50-150	2/17/10 21:54		
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	93	50-150	2/17/10 21:54		
Sodium perfluoro-1-hexane[18O2]sulfonate	105	50-150	2/18/10 04:23		

Comments:

Client: Camp Dresser & McKee, Incorporated (CDM)
Project: Baron & Budd, P.C./95779-75319
Sample Matrix: Water
Sample Name: Muldoon "Treated"
Lab Code: K1001011-016

Service Request: K1001011
Date Collected: 2/ 3/10 1400
Date Received: 2/ 4/10

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analytical Method: PFOA
Prep Method: Method

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perfluoro-n-tetradecanoic acid	ND	U	5.0	0.46	1	2/ 9/10	2/17/10 22:02	105742	190532	
Perfluoro-n-tridecanoic acid	ND	U	5.0	0.95	1	2/ 9/10	2/17/10 22:02	105742	190532	
Perfluorobutanesulfonate	0.66	J	5.0	0.029	1	2/ 9/10	2/18/10 04:32	105742	190532	
Perfluorobutanoic Acid	0.87	J	5.0	0.11	1	2/ 9/10	2/18/10 04:32	105742	190532	
Perfluorodecane Sulfonate	0.11	J	5.0	0.095	1	2/ 9/10	2/17/10 22:02	105742	190532	
Perfluorodecanoic Acid	ND	U	5.0	0.48	1	2/ 9/10	2/17/10 22:02	105742	190532	
Perfluorododecanoic Acid	ND	U	5.0	0.85	1	2/ 9/10	2/17/10 22:02	105742	190532	
Perfluoroheptanoic Acid	0.84	J	5.0	0.081	1	2/ 9/10	2/18/10 04:32	105742	190532	
Perfluorohexanesulfonate	5.0		5.0	0.030	1	2/ 9/10	2/18/10 04:32	105742	190532	
Perfluorohexanoic Acid	1.3	J	5.0	0.11	1	2/ 9/10	2/18/10 04:32	105742	190532	
Perfluorononanoic Acid	0.31	J	5.0	0.12	1	2/ 9/10	2/17/10 22:02	105742	190532	
Perfluorooctanesulfonate	4.1	J	5.0	0.046	1	2/ 9/10	2/17/10 22:02	105742	190532	
Perfluorooctanoic Acid	1.9	J	5.0	0.066	1	2/ 9/10	2/17/10 22:02	105742	190532	
Perfluoropentanoic Acid	0.80	J	5.0	0.11	1	2/ 9/10	2/18/10 04:32	105742	190532	
Perfluoroundecanoic Acid	ND	U	5.0	1.3	1	2/ 9/10	2/17/10 22:02	105742	190532	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
Perfluoro-n-[1,2,3,4,5-13C5] nonanoic acid	85	50-150	2/17/10 22:02		
Perfluoro-n-[1,2,3,4-13C4] butanoic acid	15	* 50-150	2/18/10 04:32		
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	110	50-150	2/17/10 22:02		
Perfluoro-n-[1,2-13C2] decanoic acid	100	50-150	2/17/10 22:02		
Perfluoro-n-[1,2-13C2] hexanoic acid	86	50-150	2/18/10 04:32		
Perfluoro-n-[1,2-13C2]dodecanoic Acid	46	* 50-150	2/17/10 22:02		
Perfluoro-n-[1,2-13C2]undecanoic Acid	52	50-150	2/17/10 22:02		
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	91	50-150	2/17/10 22:02		
Sodium perfluoro-1-hexane[18O2]sulfonate	98	50-150	2/18/10 04:32		

Comments:

Client: Camp Dresser & McKee, Incorporated (CDM)
Project: Baron & Budd, P.C./95779-75319
Sample Matrix: Water
Sample Name: Villa "Raw"
Lab Code: K1001011-017

Service Request: K1001011
Date Collected: 2/ 3/10 1418
Date Received: 2/ 4/10

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analytical Method: PFOA
Prep Method: Method

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perfluoro-n-tetradecanoic acid	ND	U	5.0	0.46	1	2/ 9/10	2/17/10 22:09	105742	190532	
Perfluoro-n-tridecanoic acid	ND	U	5.0	0.95	1	2/ 9/10	2/17/10 22:09	105742	190532	
Perfluorobutanesulfonate	0.46	J	5.0	0.029	1	2/ 9/10	2/18/10 04:42	105742	190532	
Perfluorobutanoic Acid	0.42	J	5.0	0.11	1	2/ 9/10	2/18/10 04:42	105742	190532	
Perfluorodecane Sulfonate	ND	U	5.0	0.095	1	2/ 9/10	2/17/10 22:09	105742	190532	
Perfluorodecanoic Acid	ND	U	5.0	0.48	1	2/ 9/10	2/17/10 22:09	105742	190532	
Perfluorododecanoic Acid	ND	U	5.0	0.85	1	2/ 9/10	2/17/10 22:09	105742	190532	
Perfluoroheptanoic Acid	0.45	J	5.0	0.081	1	2/ 9/10	2/18/10 04:42	105742	190532	
Perfluorohexanesulfonate	1.4	J	5.0	0.030	1	2/ 9/10	2/18/10 04:42	105742	190532	
Perfluorohexanoic Acid	0.92	J	5.0	0.11	1	2/ 9/10	2/18/10 04:42	105742	190532	
Perfluorononanoic Acid	ND	U	5.0	0.12	1	2/ 9/10	2/17/10 22:09	105742	190532	
Perfluorooctanesulfonate	2.8	J	5.0	0.046	1	2/ 9/10	2/17/10 22:09	105742	190532	
Perfluorooctanoic Acid	1.8	J	5.0	0.066	1	2/ 9/10	2/17/10 22:09	105742	190532	
Perfluoropentanoic Acid	1.1	J	5.0	0.11	1	2/ 9/10	2/18/10 04:42	105742	190532	
Perfluoroundecanoic Acid	ND	U	5.0	1.3	1	2/ 9/10	2/17/10 22:09	105742	190532	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
Perfluoro-n-[1,2,3,4,5-13C5] nonanoic acid	87	50-150	2/17/10 22:09		
Perfluoro-n-[1,2,3,4-13C4] butanoic acid	86	50-150	2/18/10 04:42		
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	99	50-150	2/17/10 22:09		
Perfluoro-n-[1,2-13C2] decanoic acid	100	50-150	2/17/10 22:09		
Perfluoro-n-[1,2-13C2] hexanoic acid	89	50-150	2/18/10 04:42		
Perfluoro-n-[1,2-13C2]dodecanoic Acid	43	* 50-150	2/17/10 22:09		
Perfluoro-n-[1,2-13C2]undecanoic Acid	54	50-150	2/17/10 22:09		
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	94	50-150	2/17/10 22:09		
Sodium perfluoro-1-hexane[18O2]sulfonate	99	50-150	2/18/10 04:42		

Comments:

Client: Camp Dresser & McKee, Incorporated (CDM)
Project: Baron & Budd, P.C./95779-75319
Sample Matrix: Water
Sample Name: Villa "Treated"
Lab Code: K1001011-018

Service Request: K1001011
Date Collected: 2/ 3/10 1428
Date Received: 2/ 4/10

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analytical Method: PFOA

Prep Method: Method

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perfluoro-n-tetradecanoic acid	ND	U	5.0	0.46	1	2/ 9/10	2/17/10 22:17	105742	190532	
Perfluoro-n-tridecanoic acid	ND	U	5.0	0.95	1	2/ 9/10	2/17/10 22:17	105742	190532	
Perfluorobutanesulfonate	0.43	J	5.0	0.029	1	2/ 9/10	2/18/10 04:51	105742	190532	
Perfluorobutanoic Acid	0.52	J	5.0	0.11	1	2/ 9/10	2/18/10 04:51	105742	190532	
Perfluorodecane Sulfonate	0.41	J	5.0	0.095	1	2/ 9/10	2/17/10 22:17	105742	190532	
Perfluorodecanoic Acid	ND	U	5.0	0.48	1	2/ 9/10	2/17/10 22:17	105742	190532	
Perfluorododecanoic Acid	ND	U	5.0	0.85	1	2/ 9/10	2/17/10 22:17	105742	190532	
Perfluoroheptanoic Acid	0.45	J	5.0	0.081	1	2/ 9/10	2/18/10 04:51	105742	190532	
Perfluorohexanesulfonate	0.99	J	5.0	0.030	1	2/ 9/10	2/18/10 04:51	105742	190532	
Perfluorohexanoic Acid	0.87	J	5.0	0.11	1	2/ 9/10	2/18/10 04:51	105742	190532	
Perfluorononanoic Acid	0.38	J	5.0	0.12	1	2/ 9/10	2/17/10 22:17	105742	190532	
Perfluorooctanesulfonate	1.8	J	5.0	0.046	1	2/ 9/10	2/17/10 22:17	105742	190532	
Perfluorooctanoic Acid	1.6	J	5.0	0.066	1	2/ 9/10	2/17/10 22:17	105742	190532	
Perfluoropentanoic Acid	0.84	J	5.0	0.11	1	2/ 9/10	2/18/10 04:51	105742	190532	
Perfluoroundecanoic Acid	ND	U	5.0	1.3	1	2/ 9/10	2/17/10 22:17	105742	190532	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
Perfluoro-n-[1,2,3,4,5-13C5] nonanoic acid	93	50-150	2/17/10 22:17		
Perfluoro-n-[1,2,3,4-13C4] butanoic acid	103	50-150	2/18/10 04:51		
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	108	50-150	2/17/10 22:17		
Perfluoro-n-[1,2-13C2] decanoic acid	100	50-150	2/17/10 22:17		
Perfluoro-n-[1,2-13C2] hexanoic acid	102	50-150	2/18/10 04:51		
Perfluoro-n-[1,2-13C2]dodecanoic Acid	66	50-150	2/17/10 22:17		
Perfluoro-n-[1,2-13C2]undecanoic Acid	100	50-150	2/17/10 22:17		
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	102	50-150	2/17/10 22:17		
Sodium perfluoro-1-hexane[18O2]sulfonate	106	50-150	2/18/10 04:51		

Comments:

Client: Camp Dresser & McKee, Incorporated (CDM)
Project: Baron & Budd, P.C./95779-75319
Sample Matrix: Water
Sample Name: Royce Street "Raw"
Lab Code: K1001011-019

Service Request: K1001011
Date Collected: 2/ 3/10 1504
Date Received: 2/ 4/10

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analytical Method: PFOA
Prep Method: Method

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perfluoro-n-tetradecanoic acid	ND	U	5.0	0.46	1	2/ 9/10	2/17/10 22:24	105742	190532	
Perfluoro-n-tridecanoic acid	ND	U	5.0	0.95	1	2/ 9/10	2/17/10 22:24	105742	190532	
Perfluorobutanesulfonate	0.72	J	5.0	0.029	1	2/ 9/10	2/18/10 05:01	105742	190532	
Perfluorobutanoic Acid	0.35	J	5.0	0.11	1	2/ 9/10	2/18/10 05:01	105742	190532	
Perfluorodecane Sulfonate	0.13	J	5.0	0.095	1	2/ 9/10	2/17/10 22:24	105742	190532	
Perfluorodecanoic Acid	ND	U	5.0	0.48	1	2/ 9/10	2/17/10 22:24	105742	190532	
Perfluorododecanoic Acid	ND	U	5.0	0.85	1	2/ 9/10	2/17/10 22:24	105742	190532	
Perfluoroheptanoic Acid	1.1	J	5.0	0.081	1	2/ 9/10	2/18/10 05:01	105742	190532	
Perfluorohexanesulfonate	1.9	J	5.0	0.030	1	2/ 9/10	2/18/10 05:01	105742	190532	
Perfluorohexanoic Acid	1.5	J	5.0	0.11	1	2/ 9/10	2/18/10 05:01	105742	190532	
Perfluorononanoic Acid	0.32	J	5.0	0.12	1	2/ 9/10	2/17/10 22:24	105742	190532	
Perfluorooctanesulfonate	2.0	J	5.0	0.046	1	2/ 9/10	2/17/10 22:24	105742	190532	
Perfluorooctanoic Acid	24		5.0	0.066	1	2/ 9/10	2/17/10 22:24	105742	190532	
Perfluoropentanoic Acid	1.1	J	5.0	0.11	1	2/ 9/10	2/18/10 05:01	105742	190532	
Perfluoroundecanoic Acid	ND	U	5.0	1.3	1	2/ 9/10	2/17/10 22:24	105742	190532	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
Perfluoro-n-[1,2,3,4,5-13C5] nonanoic acid	103	50-150	2/17/10 22:24		
Perfluoro-n-[1,2,3,4-13C4] butanoic acid	100	50-150	2/18/10 05:01		
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	112	50-150	2/17/10 22:24		
Perfluoro-n-[1,2-13C2] decanoic acid	100	50-150	2/17/10 22:24		
Perfluoro-n-[1,2-13C2] hexanoic acid	106	50-150	2/18/10 05:01		
Perfluoro-n-[1,2-13C2]dodecanoic Acid	58	50-150	2/17/10 22:24		
Perfluoro-n-[1,2-13C2]undecanoic Acid	65	50-150	2/17/10 22:24		
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	116	50-150	2/17/10 22:24		
Sodium perfluoro-1-hexane[18O2]sulfonate	134	50-150	2/18/10 05:01		

Comments:

Client: Camp Dresser & McKee, Incorporated (CDM)
Project: Baron & Budd, P.C./95779-75319
Sample Matrix: Water
Sample Name: Royce Street "Treated"
Lab Code: K1001011-020

Service Request: K1001011
Date Collected: 2/ 3/10 1516
Date Received: 2/ 4/10

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analytical Method: PFOA

Prep Method: Method

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perfluoro-n-tetradecanoic acid	ND	U	5.0	0.46	1	2/ 9/10	2/17/10 22:32	105742	190532	
Perfluoro-n-tridecanoic acid	ND	U	5.0	0.95	1	2/ 9/10	2/17/10 22:32	105742	190532	
Perfluorobutanesulfonate	0.81	J	5.0	0.029	1	2/ 9/10	2/18/10 05:10	105742	190532	
Perfluorobutanoic Acid	0.51	J	5.0	0.11	1	2/ 9/10	2/18/10 05:10	105742	190532	
Perfluorodecane Sulfonate	0.12	J	5.0	0.095	1	2/ 9/10	2/17/10 22:32	105742	190532	
Perfluorodecanoic Acid	ND	U	5.0	0.48	1	2/ 9/10	2/17/10 22:32	105742	190532	
Perfluorododecanoic Acid	ND	U	5.0	0.85	1	2/ 9/10	2/17/10 22:32	105742	190532	
Perfluoroheptanoic Acid	1.2	J	5.0	0.081	1	2/ 9/10	2/18/10 05:10	105742	190532	
Perfluorohexanesulfonate	2.1	J	5.0	0.030	1	2/ 9/10	2/18/10 05:10	105742	190532	
Perfluorohexanoic Acid	1.7	J	5.0	0.11	1	2/ 9/10	2/18/10 05:10	105742	190532	
Perfluorononanoic Acid	0.47	J	5.0	0.12	1	2/ 9/10	2/17/10 22:32	105742	190532	
Perfluorooctanesulfonate	2.2	J	5.0	0.046	1	2/ 9/10	2/17/10 22:32	105742	190532	
Perfluorooctanoic Acid	24		5.0	0.066	1	2/ 9/10	2/17/10 22:32	105742	190532	
Perfluoropentanoic Acid	1.1	J	5.0	0.11	1	2/ 9/10	2/18/10 05:10	105742	190532	
Perfluoroundecanoic Acid	ND	U	5.0	1.3	1	2/ 9/10	2/17/10 22:32	105742	190532	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
Perfluoro-n-[1,2,3,4,5-13C5] nonanoic acid	91	50-150	2/17/10 22:32		
Perfluoro-n-[1,2,3,4-13C4] butanoic acid	85	50-150	2/18/10 05:10		
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	108	50-150	2/17/10 22:32		
Perfluoro-n-[1,2-13C2] decanoic acid	100	50-150	2/17/10 22:32		
Perfluoro-n-[1,2-13C2] hexanoic acid	89	50-150	2/18/10 05:10		
Perfluoro-n-[1,2-13C2]dodecanoic Acid	47	* 50-150	2/17/10 22:32		
Perfluoro-n-[1,2-13C2]undecanoic Acid	48	* 50-150	2/17/10 22:32		
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	97	50-150	2/17/10 22:32		
Sodium perfluoro-1-hexane[18O2]sulfonate	102	50-150	2/18/10 05:10		

Comments:

Client: Camp Dresser & McKee, Incorporated (CDM)
Project: Baron & Budd, P.C./95779-75319
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: KQ1000664-06

Service Request: K1001011
Date Collected: NA
Date Received: NA
Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analytical Method: PFOA
Prep Method: Method

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perfluoro-n-tetradecanoic acid	ND	U	5.0	0.46	1	2/ 9/10	2/17/10 23:17	105742	190532	
Perfluoro-n-tridecanoic acid	ND	U	5.0	0.95	1	2/ 9/10	2/17/10 23:17	105742	190532	
Perfluorobutanesulfonate	0.12	J	5.0	0.029	1	2/ 9/10	2/18/10 06:08	105742	190532	
Perfluorobutanoic Acid	0.15	J	5.0	0.11	1	2/ 9/10	2/18/10 06:08	105742	190532	
Perfluorodecane Sulfonate	0.14	J	5.0	0.095	1	2/ 9/10	2/17/10 23:17	105742	190532	
Perfluorodecanoic Acid	ND	U	5.0	0.48	1	2/ 9/10	2/17/10 23:17	105742	190532	
Perfluorododecanoic Acid	ND	U	5.0	0.85	1	2/ 9/10	2/17/10 23:17	105742	190532	
Perfluoroheptanoic Acid	ND	U	5.0	0.081	1	2/ 9/10	2/18/10 06:08	105742	190532	
Perfluorohexanesulfonate	0.11	J	5.0	0.030	1	2/ 9/10	2/18/10 06:08	105742	190532	
Perfluorohexanoic Acid	ND	U	5.0	0.11	1	2/ 9/10	2/18/10 06:08	105742	190532	
Perfluorononanoic Acid	ND	U	5.0	0.12	1	2/ 9/10	2/17/10 23:17	105742	190532	
Perfluorooctanesulfonate	0.59	J	5.0	0.046	1	2/ 9/10	2/17/10 23:17	105742	190532	
Perfluorooctanoic Acid	0.21	J	5.0	0.066	1	2/ 9/10	2/17/10 23:17	105742	190532	
Perfluoropentanoic Acid	ND	U	5.0	0.11	1	2/ 9/10	2/18/10 06:08	105742	190532	
Perfluoroundecanoic Acid	ND	U	5.0	1.3	1	2/ 9/10	2/17/10 23:17	105742	190532	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
Perfluoro-n-[1,2,3,4,5-13C5] nonanoic acid	90	50-150	2/17/10 23:17		
Perfluoro-n-[1,2,3,4-13C4] butanoic acid	107	50-150	2/18/10 06:08		
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	117	50-150	2/17/10 23:17		
Perfluoro-n-[1,2-13C2] decanoic acid	100	50-150	2/17/10 23:17		
Perfluoro-n-[1,2-13C2] hexanoic acid	105	50-150	2/18/10 06:08		
Perfluoro-n-[1,2-13C2]dodecanoic Acid	61	50-150	2/17/10 23:17		
Perfluoro-n-[1,2-13C2]undecanoic Acid	52	50-150	2/17/10 23:17		
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	105	50-150	2/17/10 23:17		
Sodium perfluoro-1-hexane[18O2]sulfonate	107	50-150	2/18/10 06:08		

Comments:

Client: Camp Dresser & McKee, Incorporated (CDM)
Project: Baron & Budd, P.C./95779-75319
Sample Matrix: Water
Sample Name: Lab Control Sample
Lab Code: KQ1000664-05

Service Request: K1001011
Date Collected: NA
Date Received: NA

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analytical Method: PFOA
Prep Method: Method

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perfluoro-n-tetradecanoic acid	122		5.0	0.46	1	2/ 9/10	2/17/10 23:10	105742	190532	
Perfluoro-n-tridecanoic acid	92.0		5.0	0.95	1	2/ 9/10	2/17/10 23:10	105742	190532	
Perfluorobutanesulfonate	76.0		5.0	0.029	1	2/ 9/10	2/18/10 05:58	105742	190532	
Perfluorobutanoic Acid	90.0		5.0	0.11	1	2/ 9/10	2/18/10 05:58	105742	190532	
Perfluorodecane Sulfonate	55.0		5.0	0.095	1	2/ 9/10	2/17/10 23:10	105742	190532	
Perfluorodecanoic Acid	90.5		5.0	0.48	1	2/ 9/10	2/17/10 23:10	105742	190532	
Perfluorododecanoic Acid	110		5.0	0.85	1	2/ 9/10	2/17/10 23:10	105742	190532	
Perfluoroheptanoic Acid	102		5.0	0.081	1	2/ 9/10	2/18/10 05:58	105742	190532	
Perfluorohexanesulfonate	81.5		5.0	0.030	1	2/ 9/10	2/18/10 05:58	105742	190532	
Perfluorohexanoic Acid	96.0		5.0	0.11	1	2/ 9/10	2/18/10 05:58	105742	190532	
Perfluorononanoic Acid	92.5		5.0	0.12	1	2/ 9/10	2/17/10 23:10	105742	190532	
Perfluorooctanesulfonate	89.0		5.0	0.046	1	2/ 9/10	2/17/10 23:10	105742	190532	
Perfluorooctanoic Acid	82.5		5.0	0.066	1	2/ 9/10	2/17/10 23:10	105742	190532	
Perfluoropentanoic Acid	95.5		5.0	0.11	1	2/ 9/10	2/18/10 05:58	105742	190532	
Perfluoroundecanoic Acid	123		5.0	1.3	1	2/ 9/10	2/17/10 23:10	105742	190532	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
Perfluoro-n-[1,2,3,4,5-13C5] nonanoic acid	98	50-150	2/17/10 23:10		
Perfluoro-n-[1,2,3,4-13C4] butanoic acid	98	50-150	2/18/10 05:58		
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	107	50-150	2/17/10 23:10		
Perfluoro-n-[1,2-13C2] decanoic acid	100	50-150	2/17/10 23:10		
Perfluoro-n-[1,2-13C2] hexanoic acid	93	50-150	2/18/10 05:58		
Perfluoro-n-[1,2-13C2]dodecanoic Acid	63	50-150	2/17/10 23:10		
Perfluoro-n-[1,2-13C2]undecanoic Acid	47	* 50-150	2/17/10 23:10		
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	109	50-150	2/17/10 23:10		
Sodium perfluoro-1-hexane[18O2]sulfonate	100	50-150	2/18/10 05:58		

Comments:

Client: Camp Dresser & McKee, Incorporated (CDM)
Project: Baron & Budd, P.C./95779-75319
Sample Matrix: Water
Sample Name: McAllister "Treated"
Lab Code: KQ1000664-01
Run Type: Matrix Spike

Service Request: K1001011
Date Collected: 2/ 3/10 1002
Date Received: 2/ 4/10

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analytical Method: PFOA
Prep Method: Method

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perfluoro-n-tetradecanoic acid	91.5		5.0	0.46	1	2/ 9/10	2/17/10 22:39	105742	190532	
Perfluoro-n-tridecanoic acid	86.0		5.0	0.95	1	2/ 9/10	2/17/10 22:39	105742	190532	
Perfluorobutanesulfonate	85.0		5.0	0.029	1	2/ 9/10	2/18/10 05:20	105742	190532	
Perfluorobutanoic Acid	101		5.0	0.11	1	2/ 9/10	2/18/10 05:20	105742	190532	
Perfluorodecane Sulfonate	55.0		5.0	0.095	1	2/ 9/10	2/17/10 22:39	105742	190532	
Perfluorodecanoic Acid	104		5.0	0.48	1	2/ 9/10	2/17/10 22:39	105742	190532	
Perfluorododecanoic Acid	96.5		5.0	0.85	1	2/ 9/10	2/17/10 22:39	105742	190532	
Perfluoroheptanoic Acid	105		5.0	0.081	1	2/ 9/10	2/18/10 05:20	105742	190532	
Perfluorohexanesulfonate	86.5		5.0	0.030	1	2/ 9/10	2/18/10 05:20	105742	190532	
Perfluorohexanoic Acid	103		5.0	0.11	1	2/ 9/10	2/18/10 05:20	105742	190532	
Perfluorononanoic Acid	105		5.0	0.12	1	2/ 9/10	2/17/10 22:39	105742	190532	
Perfluorooctanesulfonate	93.5		5.0	0.046	1	2/ 9/10	2/17/10 22:39	105742	190532	
Perfluorooctanoic Acid	93.5		5.0	0.066	1	2/ 9/10	2/17/10 22:39	105742	190532	
Perfluoropentanoic Acid	99.5		5.0	0.11	1	2/ 9/10	2/18/10 05:20	105742	190532	
Perfluoroundecanoic Acid	130		5.0	1.3	1	2/ 9/10	2/17/10 22:39	105742	190532	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
Perfluoro-n-[1,2,3,4,5-13C5] nonanoic acid	113	50-150	2/17/10 22:39		
Perfluoro-n-[1,2,3,4-13C4] butanoic acid	104	50-150	2/18/10 05:20		
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	135	50-150	2/17/10 22:39		
Perfluoro-n-[1,2-13C2] decanoic acid	100	50-150	2/17/10 22:39		
Perfluoro-n-[1,2-13C2] hexanoic acid	105	50-150	2/18/10 05:20		
Perfluoro-n-[1,2-13C2]dodecanoic Acid	60	50-150	2/17/10 22:39		
Perfluoro-n-[1,2-13C2]undecanoic Acid	73	50-150	2/17/10 22:39		
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	119	50-150	2/17/10 22:39		
Sodium perfluoro-1-hexane[18O2]sulfonate	113	50-150	2/18/10 05:20		

Comments:

Client: Camp Dresser & McKee, Incorporated (CDM)
Project: Baron & Budd, P.C./95779-75319
Sample Matrix: Water
Sample Name: McAllister "Raw"
Lab Code: KQ1000664-03
Run Type: Matrix Spike

Service Request: K1001011
Date Collected: 2/ 3/10 0949
Date Received: 2/ 4/10

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analytical Method: PFOA
Prep Method: Method

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perfluoro-n-tetradecanoic acid	101		5.0	0.46	1	2/ 9/10	2/17/10 22:54	105742	190532	
Perfluoro-n-tridecanoic acid	100		5.0	0.95	1	2/ 9/10	2/17/10 22:54	105742	190532	
Perfluorobutanesulfonate	91.5		5.0	0.029	1	2/ 9/10	2/18/10 05:39	105742	190532	
Perfluorobutanoic Acid	96.5		5.0	0.11	1	2/ 9/10	2/18/10 05:39	105742	190532	
Perfluorodecane Sulfonate	48.5		5.0	0.095	1	2/ 9/10	2/17/10 22:54	105742	190532	
Perfluorodecanoic Acid	89.5		5.0	0.48	1	2/ 9/10	2/17/10 22:54	105742	190532	
Perfluorododecanoic Acid	103		5.0	0.85	1	2/ 9/10	2/17/10 22:54	105742	190532	
Perfluoroheptanoic Acid	125		5.0	0.081	1	2/ 9/10	2/18/10 05:39	105742	190532	
Perfluorohexanesulfonate	130		5.0	0.030	1	2/ 9/10	2/18/10 05:39	105742	190532	
Perfluorohexanoic Acid	122		5.0	0.11	1	2/ 9/10	2/18/10 05:39	105742	190532	
Perfluorononanoic Acid	209		5.0	0.12	1	2/ 9/10	2/17/10 22:54	105742	190532	
Perfluorooctanesulfonate	232		5.0	0.046	1	2/ 9/10	2/17/10 22:54	105742	190532	
Perfluorooctanoic Acid	122		5.0	0.066	1	2/ 9/10	2/17/10 22:54	105742	190532	
Perfluoropentanoic Acid	110		5.0	0.11	1	2/ 9/10	2/18/10 05:39	105742	190532	
Perfluoroundecanoic Acid	120		5.0	1.3	1	2/ 9/10	2/17/10 22:54	105742	190532	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
Perfluoro-n-[1,2,3,4,5-13C5] nonanoic acid	103	50-150	2/17/10 22:54		
Perfluoro-n-[1,2,3,4-13C4] butanoic acid	99	50-150	2/18/10 05:39		
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	116	50-150	2/17/10 22:54		
Perfluoro-n-[1,2-13C2] decanoic acid	100	50-150	2/17/10 22:54		
Perfluoro-n-[1,2-13C2] hexanoic acid	93	50-150	2/18/10 05:39		
Perfluoro-n-[1,2-13C2]dodecanoic Acid	57	50-150	2/17/10 22:54		
Perfluoro-n-[1,2-13C2]undecanoic Acid	51	50-150	2/17/10 22:54		
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	113	50-150	2/17/10 22:54		
Sodium perfluoro-1-hexane[18O2]sulfonate	107	50-150	2/18/10 05:39		

Comments:

Client: Camp Dresser & McKee, Incorporated (CDM)
Project: Baron & Budd, P.C./95779-75319
Sample Matrix: Water
Sample Name: McAllister "Treated"
Lab Code: KQ1000664-02
Run Type: Duplicate Matrix Spike

Service Request: K1001011
Date Collected: 2/ 3/10 1002
Date Received: 2/ 4/10

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analytical Method: PFOA
Prep Method: Method

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perfluoro-n-tetradecanoic acid	107		5.0	0.46	1	2/ 9/10	2/17/10 22:47	105742	190532	
Perfluoro-n-tridecanoic acid	102		5.0	0.95	1	2/ 9/10	2/17/10 22:47	105742	190532	
Perfluorobutanesulfonate	88.5		5.0	0.029	1	2/ 9/10	2/18/10 05:29	105742	190532	
Perfluorobutanoic Acid	102		5.0	0.11	1	2/ 9/10	2/18/10 05:29	105742	190532	
Perfluorodecane Sulfonate	56.0		5.0	0.095	1	2/ 9/10	2/17/10 22:47	105742	190532	
Perfluorodecanoic Acid	99.0		5.0	0.48	1	2/ 9/10	2/17/10 22:47	105742	190532	
Perfluorododecanoic Acid	85.0		5.0	0.85	1	2/ 9/10	2/17/10 22:47	105742	190532	
Perfluoroheptanoic Acid	108		5.0	0.081	1	2/ 9/10	2/18/10 05:29	105742	190532	
Perfluorohexanesulfonate	89.5		5.0	0.030	1	2/ 9/10	2/18/10 05:29	105742	190532	
Perfluorohexanoic Acid	103		5.0	0.11	1	2/ 9/10	2/18/10 05:29	105742	190532	
Perfluorononanoic Acid	102		5.0	0.12	1	2/ 9/10	2/17/10 22:47	105742	190532	
Perfluorooctanesulfonate	95.0		5.0	0.046	1	2/ 9/10	2/17/10 22:47	105742	190532	
Perfluorooctanoic Acid	96.0		5.0	0.066	1	2/ 9/10	2/17/10 22:47	105742	190532	
Perfluoropentanoic Acid	101		5.0	0.11	1	2/ 9/10	2/18/10 05:29	105742	190532	
Perfluoroundecanoic Acid	142		5.0	1.3	1	2/ 9/10	2/17/10 22:47	105742	190532	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
Perfluoro-n-[1,2,3,4,5-13C5] nonanoic acid	104	50-150	2/17/10 22:47		
Perfluoro-n-[1,2,3,4-13C4] butanoic acid	106	50-150	2/18/10 05:29		
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	122	50-150	2/17/10 22:47		
Perfluoro-n-[1,2-13C2] decanoic acid	100	50-150	2/17/10 22:47		
Perfluoro-n-[1,2-13C2] hexanoic acid	107	50-150	2/18/10 05:29		
Perfluoro-n-[1,2-13C2]dodecanoic Acid	55	50-150	2/17/10 22:47		
Perfluoro-n-[1,2-13C2]undecanoic Acid	62	50-150	2/17/10 22:47		
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	111	50-150	2/17/10 22:47		
Sodium perfluoro-1-hexane[18O2]sulfonate	111	50-150	2/18/10 05:29		

Comments:

Client: Camp Dresser & McKee, Incorporated (CDM)
Project: Baron & Budd, P.C./95779-75319
Sample Matrix: Water
Sample Name: McAllister "Raw"
Lab Code: KQ1000664-04
Run Type: Duplicate Matrix Spike

Service Request: K1001011
Date Collected: 2/ 3/10 0949
Date Received: 2/ 4/10

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analytical Method: PFOA
Prep Method: Method

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Perfluoro-n-tetradecanoic acid	89.5		5.0	0.46	1	2/ 9/10	2/17/10 23:02	105742	190532	
Perfluoro-n-tridecanoic acid	79.5		5.0	0.95	1	2/ 9/10	2/17/10 23:02	105742	190532	
Perfluorobutanesulfonate	93.0		5.0	0.029	1	2/ 9/10	2/18/10 05:49	105742	190532	
Perfluorobutanoic Acid	98.0		5.0	0.11	1	2/ 9/10	2/18/10 05:49	105742	190532	
Perfluorodecane Sulfonate	47.9		5.0	0.095	1	2/ 9/10	2/17/10 23:02	105742	190532	
Perfluorodecanoic Acid	89.0		5.0	0.48	1	2/ 9/10	2/17/10 23:02	105742	190532	
Perfluorododecanoic Acid	85.5		5.0	0.85	1	2/ 9/10	2/17/10 23:02	105742	190532	
Perfluoroheptanoic Acid	114		5.0	0.081	1	2/ 9/10	2/18/10 05:49	105742	190532	
Perfluorohexanesulfonate	140		5.0	0.030	1	2/ 9/10	2/18/10 05:49	105742	190532	
Perfluorohexanoic Acid	120		5.0	0.11	1	2/ 9/10	2/18/10 05:49	105742	190532	
Perfluorononanoic Acid	225		5.0	0.12	1	2/ 9/10	2/17/10 23:02	105742	190532	
Perfluorooctanesulfonate	233		5.0	0.046	1	2/ 9/10	2/17/10 23:02	105742	190532	
Perfluorooctanoic Acid	133		5.0	0.066	1	2/ 9/10	2/17/10 23:02	105742	190532	
Perfluoropentanoic Acid	103		5.0	0.11	1	2/ 9/10	2/18/10 05:49	105742	190532	
Perfluoroundecanoic Acid	115		5.0	1.3	1	2/ 9/10	2/17/10 23:02	105742	190532	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
Perfluoro-n-[1,2,3,4,5-13C5] nonanoic acid	97	50-150	2/17/10 23:02		
Perfluoro-n-[1,2,3,4-13C4] butanoic acid	94	50-150	2/18/10 05:49		
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	110	50-150	2/17/10 23:02		
Perfluoro-n-[1,2-13C2] decanoic acid	100	50-150	2/17/10 23:02		
Perfluoro-n-[1,2-13C2] hexanoic acid	97	50-150	2/18/10 05:49		
Perfluoro-n-[1,2-13C2]dodecanoic Acid	58	50-150	2/17/10 23:02		
Perfluoro-n-[1,2-13C2]undecanoic Acid	64	50-150	2/17/10 23:02		
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	114	50-150	2/17/10 23:02		
Sodium perfluoro-1-hexane[18O2]sulfonate	106	50-150	2/18/10 05:49		

Comments:

Client: Camp Dresser & McKee, Incorporated (CDM)
Project: Baron & Budd, P.C./95779-75319
Sample Matrix: Water

Service Request: K1001011
Date Collected: 2/3/10
Date Received: 2/4/10
Date Analyzed: 2/17/10 -
 2/18/10

Matrix Spike Summary
Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Sample Name: McAllister "Raw"
Lab Code: K1001011-007

Units: ng/L
Basis: NA

Analytical Method: PFOA
Prep Method: Method

Analyte Name	Sample Result	Matrix Spike KQ1000664-03			Duplicate Matrix Spike KQ1000664-04			% Rec Limits	RPD	RPD Limit
		Result	Amount	% Rec	Result	Amount	% Rec			
Perfluoro-n-tetradecanoic acid	ND	101	100	101	89.5	100	90	50 - 150	12	30
Perfluoro-n-tridecanoic acid	ND	100	100	100	79.5	100	80	50 - 150	23	30
Perfluorobutanesulfonate	5.8	91.5	100	86	93.0	100	87	50 - 150	2	30
Perfluorobutanoic Acid	5.0	96.5	100	92	98.0	100	93	50 - 150	2	30
Perfluorodecane Sulfonate	0.13	48.5	100	48 *	47.9	100	48 *	50 - 150	1	30
Perfluorodecanoic Acid	0.83	89.5	100	89	89.0	100	88	50 - 150	1	30
Perfluorododecanoic Acid	ND	103	100	103	85.5	100	86	50 - 150	19	30
Perfluoroheptanoic Acid	16	125	100	109	114	100	98	50 - 150	10	30
Perfluorohexanesulfonate	55	130	100	75	140	100	85	50 - 150	7	30
Perfluorohexanoic Acid	26	122	100	96	120	100	94	50 - 150	2	30
Perfluorononanoic Acid	140	209	100	73	225	100	89	50 - 150	7	30
Perfluorooctanesulfonate	150	232	100	79	233	100	80	50 - 150	0	30
Perfluorooctanoic Acid	38	122	100	83	133	100	94	50 - 150	9	30
Perfluoropentanoic Acid	13	110	100	97	103	100	90	50 - 150	6	30
Perfluoroundecanoic Acid	3.1	120	100	117	115	100	111	50 - 150	5	30

Comments:

Client: Camp Dresser & McKee, Incorporated (CDM)
 Project: Baron & Budd, P.C./95779-75319
 Sample Matrix: Water

Service Request: K1001011
 Date Collected: 2/3/10
 Date Received: 2/4/10
 Date Analyzed: 2/17/10 -
 2/18/10

Matrix Spike Summary
Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Sample Name: McAllister "Treated"
 Lab Code: K1001011-008

Units: ng/L
 Basis: NA

Analytical Method: PFOA
 Prep Method: Method

Analyte Name	Sample Result	Matrix Spike KQ1000664-01			Duplicate Matrix Spike KQ1000664-02			% Rec Limits	RPD	RPD Limit
		Result	Amount	% Rec	Result	Amount	% Rec			
Perfluoro-n-tetradecanoic acid	ND	91.5	100	92	107	100	107	50 - 150	15	30
Perfluoro-n-tridecanoic acid	ND	86.0	100	86	102	100	102	50 - 150	17	30
Perfluorobutanesulfonate	0.29	85.0	100	85	88.5	100	88	50 - 150	4	30
Perfluorobutanoic Acid	6.7	101	100	94	102	100	95	50 - 150	1	30
Perfluorodecane Sulfonate	0.57	55.0	100	54	56.0	100	55	50 - 150	2	30
Perfluorodecanoic Acid	0.62	104	100	103	99.0	100	98	50 - 150	4	30
Perfluorododecanoic Acid	1.3	96.5	100	95	85.0	100	84	50 - 150	13	30
Perfluoroheptanoic Acid	0.32	105	100	104	108	100	107	50 - 150	3	30
Perfluorohexanesulfonate	0.30	86.5	100	86	89.5	100	89	50 - 150	3	30
Perfluorohexanoic Acid	0.95	103	100	102	103	100	102	50 - 150	0	30
Perfluorononanoic Acid	0.56	105	100	104	102	100	101	50 - 150	2	30
Perfluorooctanesulfonate	0.77	93.5	100	93	95.0	100	94	50 - 150	2	30
Perfluorooctanoic Acid	0.45	93.5	100	93	96.0	100	96	50 - 150	3	30
Perfluoropentanoic Acid	3.3	99.5	100	96	101	100	98	50 - 150	1	30
Perfluoroundecanoic Acid	1.9	130	100	128	142	100	140	50 - 150	9	30

Comments:

Client: Camp Dresser & McKee, Incorporated (CDM)
 Project: Baron & Budd, P.C./95779-75319
 Sample Matrix: Water

Service Request: K1001011
 Date Analyzed: 2/17/10 -
 2/18/10

Lab Control Sample Summary
Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analytical Method: PFOA
 Prep Method: Method

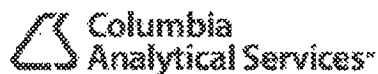
Units: ng/L
 Basis: NA

Extraction Lot: 105742

Lab Control Sample
 KQ1000664-05

Analyte Name	Result	Expected	% Rec	% Rec Limits
Perfluoro-n-tetradecanoic acid	122	100	122	50 - 150
Perfluoro-n-tridecanoic acid	92.0	100	92	50 - 150
Perfluorobutanesulfonate	76.0	100	76	50 - 150
Perfluorobutanoic Acid	90.0	100	90	50 - 150
Perfluorodecane Sulfonate	55.0	100	55	50 - 150
Perfluorodecanoic Acid	90.5	100	91	50 - 150
Perfluorododecanoic Acid	110	100	110	50 - 150
Perfluoroheptanoic Acid	102	100	102	50 - 150
Perfluorohexanesulfonate	81.5	100	82	50 - 150
Perfluorohexanoic Acid	96.0	100	96	50 - 150
Perfluorononanoic Acid	92.5	100	93	50 - 150
Perfluorooctanesulfonate	89.0	100	89	50 - 150
Perfluorooctanoic Acid	82.5	100	83	50 - 150
Perfluoropentanoic Acid	95.5	100	96	50 - 150
Perfluoroundecanoic Acid	123	100	123	50 - 150

Comments: _____



Project	Ewan's Projects\PFCs
Data File	021710\SamplesLong.wiff
Result Table	021710long.rdb
Instrument Name	API 5000

Sample Name	K1001011-001	Injection Volume	5
Acquisition Date	2/17/2010 8:08:37 PM	Sample Type	Unknown
Acquisition Method	PFCKinetexLong.dam	Dilution Factor	1.00
Injection Vial	25	Weight to Volume	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFOA 1	13C-PFOA	4565100	1.24 (1.36)	1782800	7.720	No
PFNA 1	13C-PFNA	3052300	2.07 (2.06)	469780	1.450	No
PFOS 1	13C-PFOS	8397900	2.07 (2.09)	39358000	43.800	No
PFDA 1	13C-PFDA	3217400	3.08 (3.06)	72676	0.211	No
PFUnA 1	13C-PFUnA	155240	3.87 (4.06)	19744	0.090	No
PFDS 1	13C-PFOS	8397900	3.89 (3.87)	16581	0.037	No
PFD _o A 1	13C-PFD _o A	206180	4.53 (4.55)	10781 ²¹¹⁹¹⁰	0.094 ^{N/A}	No
PFT _r A 1	13C-PFD _o A	206180	5.19 (5.06)	4624	N/A	No
PFT _e A 1	13C-PFD _o A	206180	5.59 (5.51)	4916	N/A	No

2/19/10

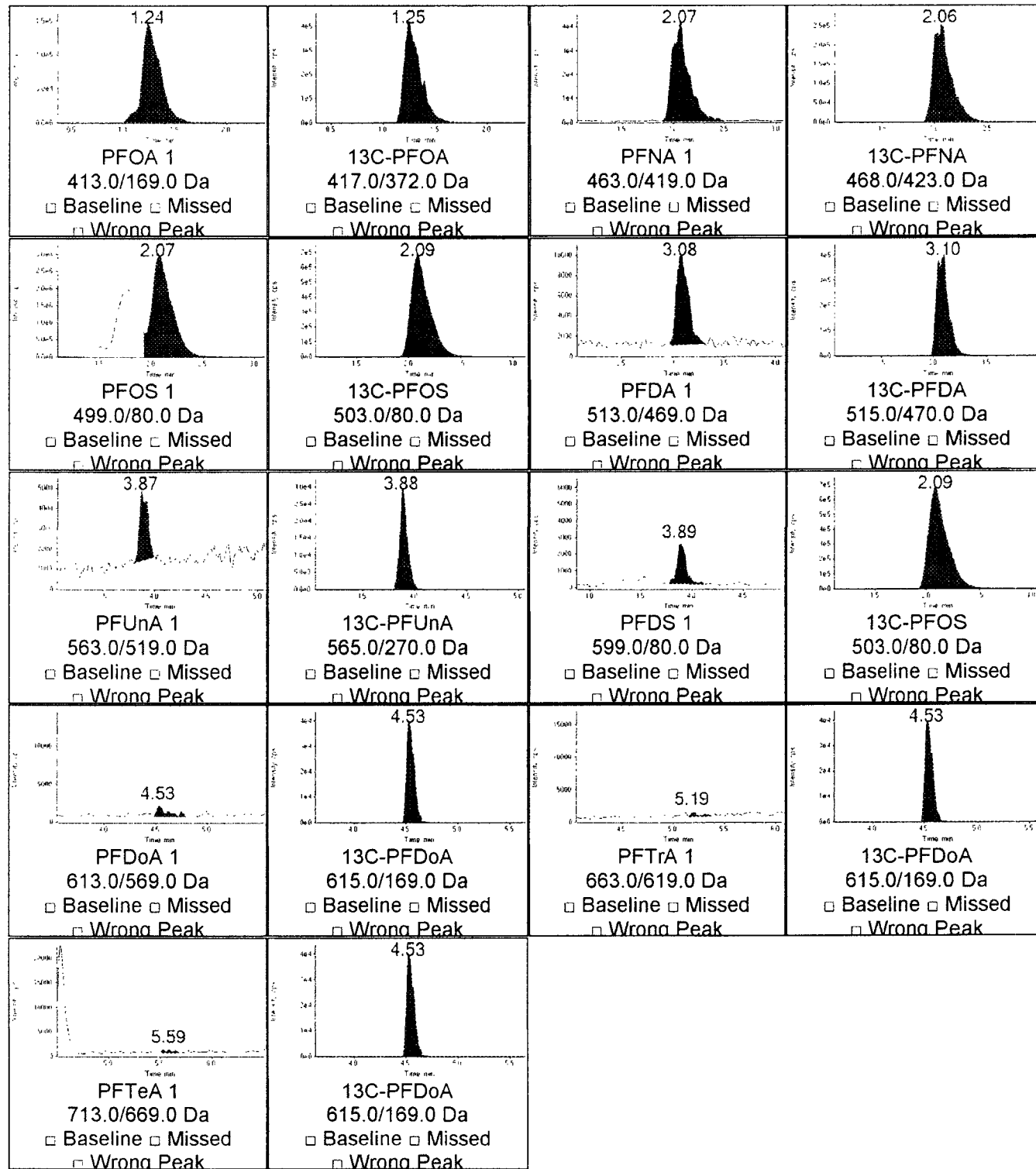
EF3
2/18/10

IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFOA 2	1.23 (1.36)	3760400	No	2.11 (2.16)	YES
S_13C_PFOA	1.25 (1.36)	4565100	No	2.56 (43.19)	No
PFNA 2	2.01 (2.08)	151510	No	0.32 (0.34)	YES
S_13C_PFNA	0.00 (2.44)	0	No	0.00 (0.00)	No
PFOS 2	2.08 (2.12)	13116000	No	0.33 (0.32)	YES
S_13C-PFOS	2.09 (2.00)	8397900	No	0.21 (21.71)	No
PFDA 2	3.05 (3.06)	10291	No	0.14 (0.14)	YES
S_13C-PFDA	3.10 (3.04)	3217400	No	44.27 (17.53)	No
PFUnA 2	3.89 (3.88)	4997	No	0.25 (0.19)	No
S_13C-PFUnA	3.88 (3.88)	155240	No	7.86 (1.60)	No
PFDS 2	3.88 (3.87)	4672	No	0.28 (0.32)	YES
PFDaA 2	0.00 (4.53)	0	No	0.00 (0.28)	No
S_13C-PFDaA	4.53 (4.64)	206180	No	19.12 (3.71)	No
PFTra 2	5.05 (5.13)	856	No	0.19 (0.34)	No
PFTeA 2	5.54 (5.56)	762	No	0.15 (0.29)	No

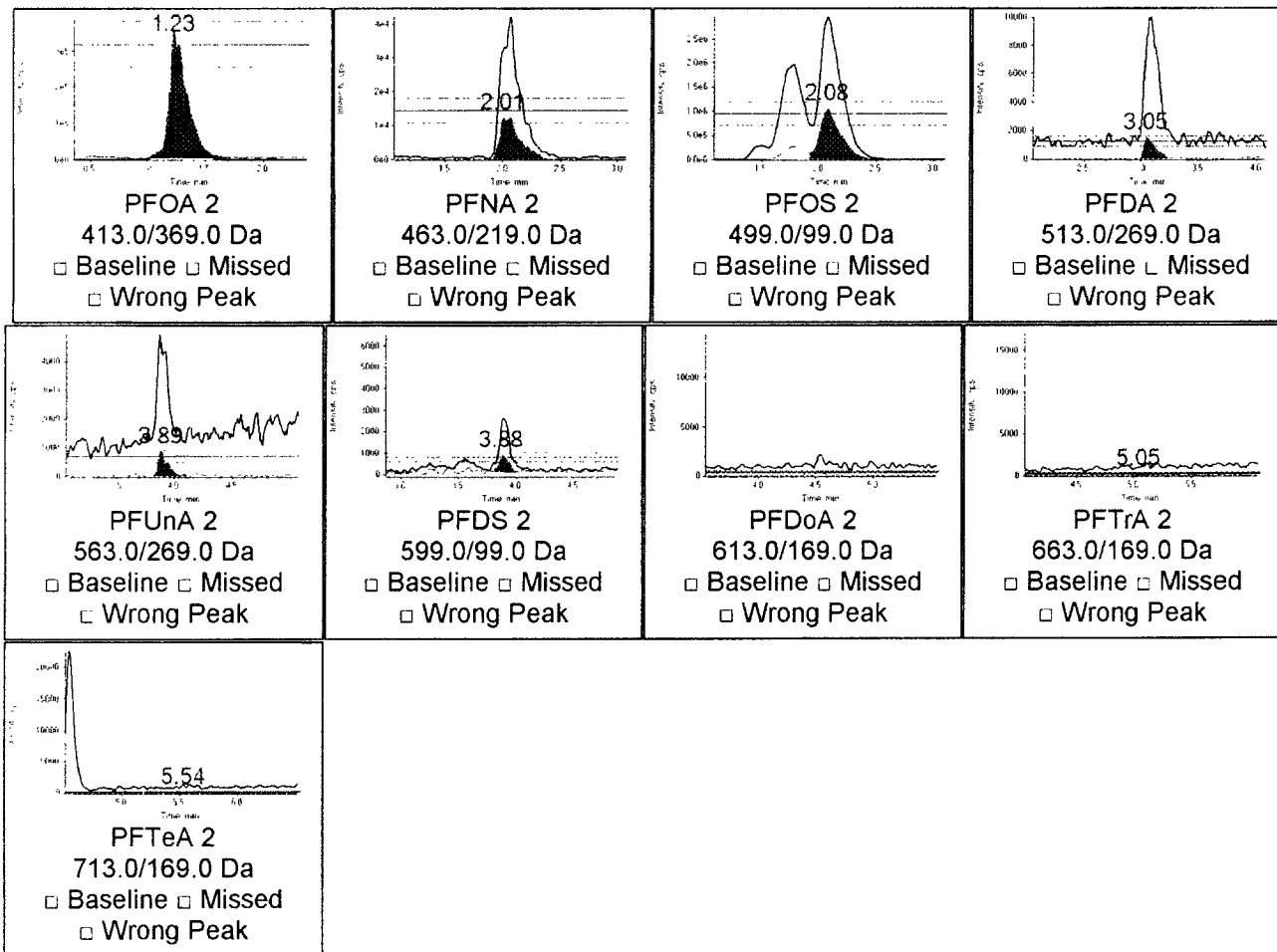
Quantitative Peak Review

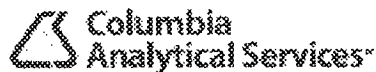
K1001011-001


☐ Before ☐ After

Ion Ratio Confirmation

K1001011-001

☐ Before ☐ After



Project	Ewan's Projects\PFCs
Data File	021710\SamplesShort.wiff
Result Table	021710short.rdb
Instrument Name	API 5000

Sample Name	K1001011-001	Injection Volume	5
Acquisition Date	2/18/2010 2:09:16 AM	Sample Type	Unknown
Acquisition Method	PFCKinetexShort.dam	Dilution Factor	1.00
Injection Vial	25	Weight to Volume	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFBA 1	13C-PFBA	5419700	1.24 (1.27)	3692600	6.44	No
PFPeA 1	13C-PFHxA	6605900	3.54 (3.60)	11992000	19.10	No
PFBS 1	18O-PFHS	3903500	4.20 (4.26)	11657000	8.73	No
PFHxA 1	13C-PFHxA	6605900	5.25 (5.31)	15821000	24.60	No
PFHpA 1	13C-PFHxA	6605900	6.17 (6.23)	2182800	9.23	No
PFHxS 1	18O-PFHS	3903500	6.26 (6.32)	36876000	34.70	No
S_18O-PFHS	13C-PFDA	4111000	6.26 (6.31)	3903500	1.18	No
S_13C-PFDA	13C-PFDA	4111000	7.56 (7.65)	4111000	1.00	No

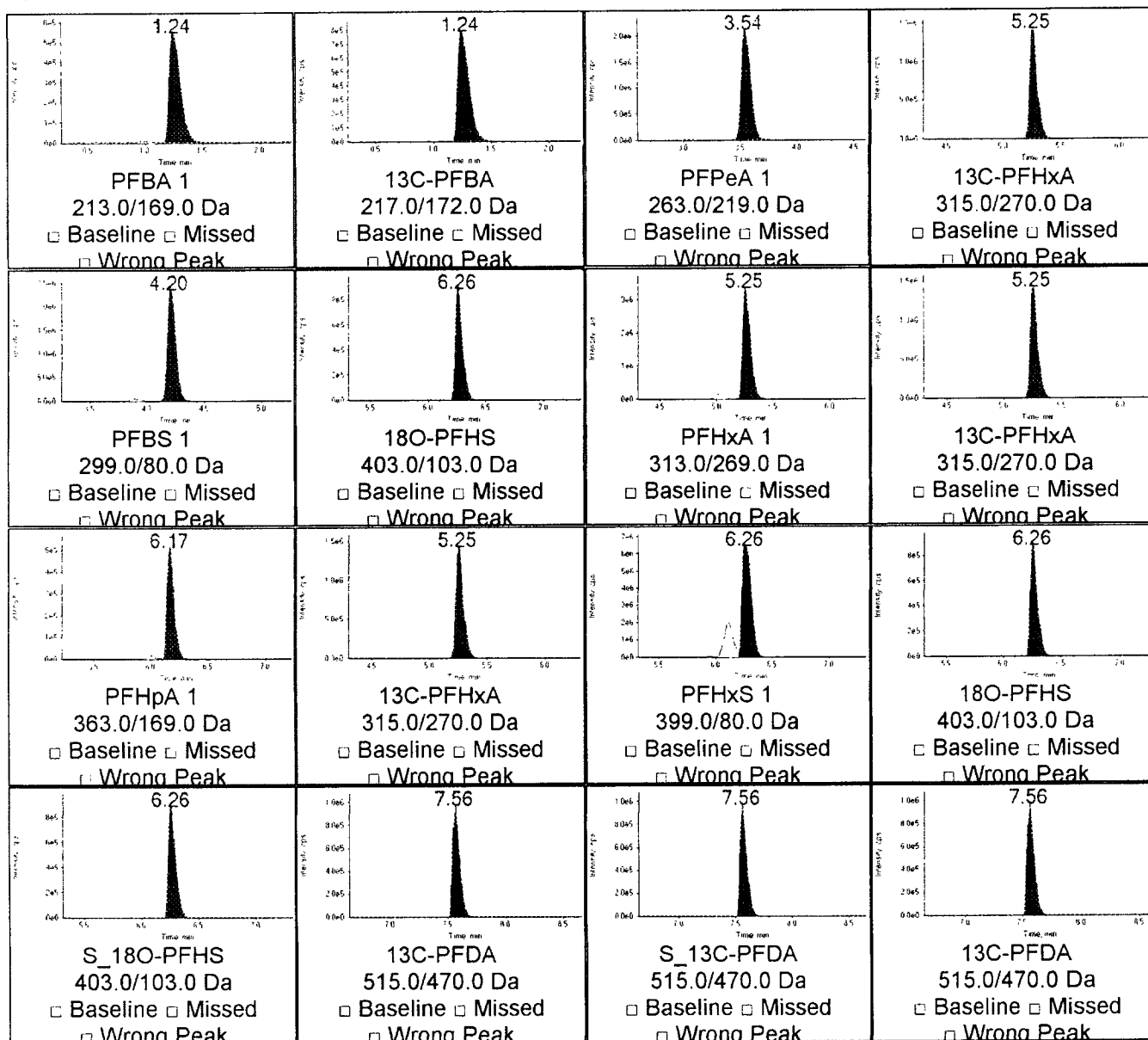
2/19/10
 ETS
 2/18/10

IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFBA 2	1.24 (1.27)	3692600	No	1.00 (1.00)	YES
PFPeA 2	3.54 (3.60)	11992000	No	1.00 (1.00)	YES
PFBS 2	4.20 (4.26)	4554000	No	0.39 (0.40)	YES
PFHxA 2	5.25 (5.31)	1533100	No	0.10 (0.10)	YES
PFHpA 2	6.17 (6.22)	6739300	No	3.09 (2.90)	YES
PFHxS 2	6.26 (6.32)	18707000	No	0.51 (0.40)	No
S_13C-PFBA	1.24 (1.26)	5419700	No	1.47 (13.20)	No
S_13C-PFHxA	5.25 (5.30)	6605900	No	0.42 (13.71)	No

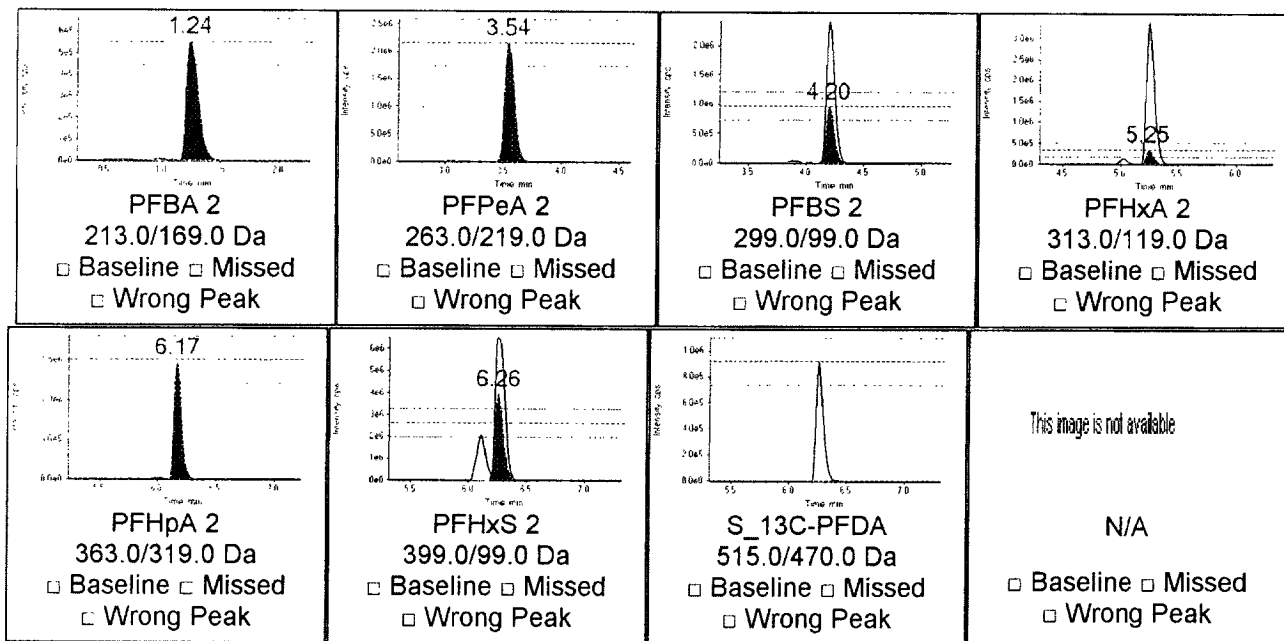
Quantitative Peak Review

K1001011-001

☐ Before ☐ After

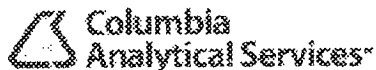
Ion Ratio Confirmation

K1001011-001



NB. PFBA and PFPeA do not have qualifying ion transitions.

☐ Before ☐ After



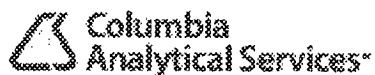
Project	Ewan's Projects\PFCs
Data File	021710\SamplesLong.wiff
Result Table	021710long.rdb
Instrument Name	API 5000

Sample Name	K1001011-002	Injection Volume	5
Acquisition Date	2/17/2010 8:16:09 PM	Sample Type	Unknown
Acquisition Method	PFCKinetexLong.dam	Dilution Factor	1.00
Injection Vial	26	Weight to Volume	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFOA 1	13C-PFOA	4705700	1.22 (1.36)	1974500	8.300	No
PFNA 1	13C-PFNA	2801000	1.98 (2.06)	452680	1.520	No
PFOS 1	13C-PFOS	7641700	2.05 (2.09)	38813000	47.500	No
PFDA 1	13C-PFDA	3083200	3.06 (3.06)	52591	0.157	No
PFUnA 1	13C-PFUnA	142010	3.96 (4.06)	14069	0.063	No
PFDS 1	13C-PFOS	7641700	3.87 (3.87)	6958	0.028	No
PFDaA 1	13C-PFDaA	214170	4.51 (4.55)	9972 214170	0.005 ND	No
PFTra 1	13C-PFDaA	214170	5.03 (5.06)	2002	N/A	No
PFTeA 1	13C-PFDaA	214170	0.00 (5.51)	0	N/A	No

2/19/10
EES
2/18/10

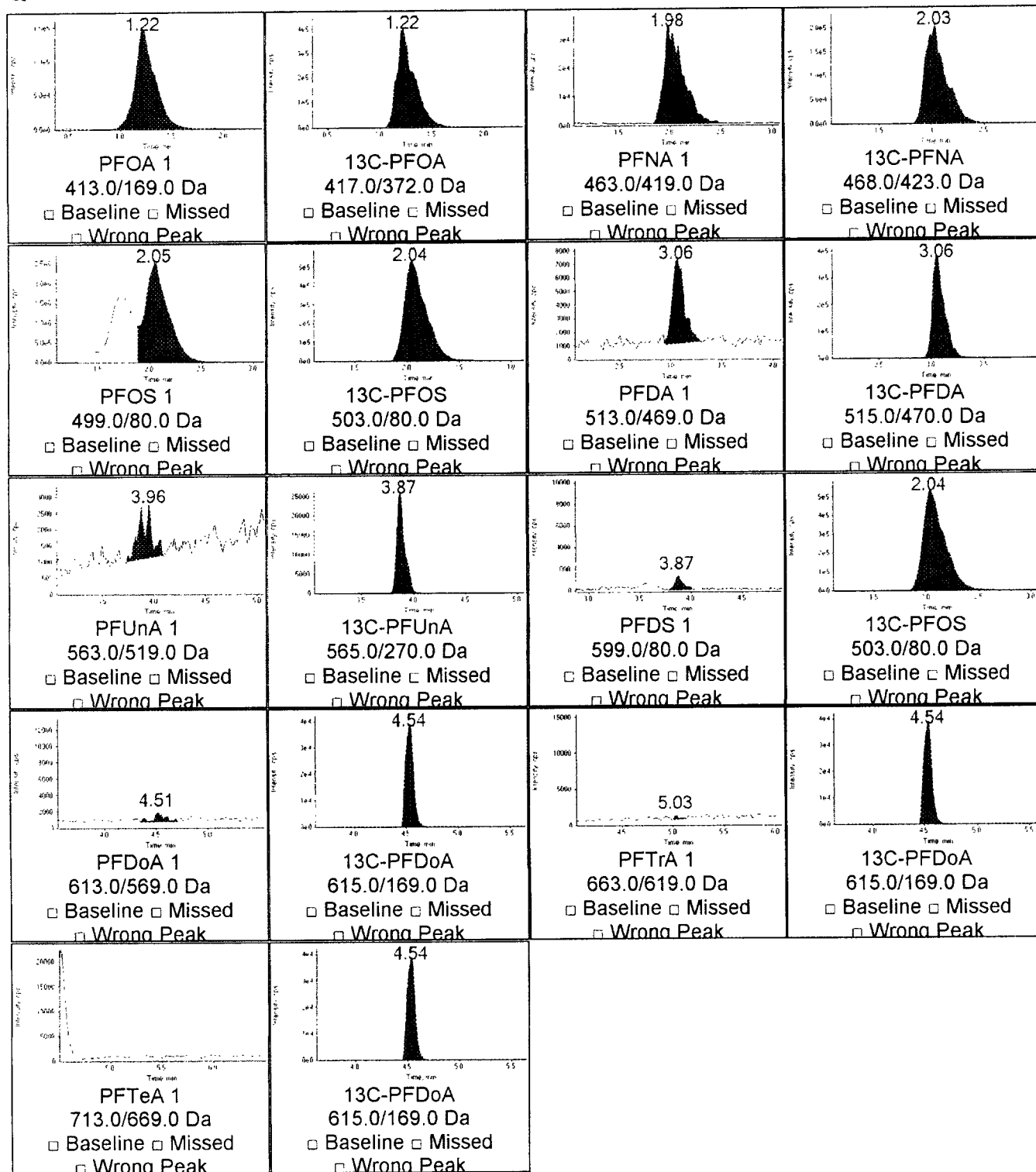


IRC Summary

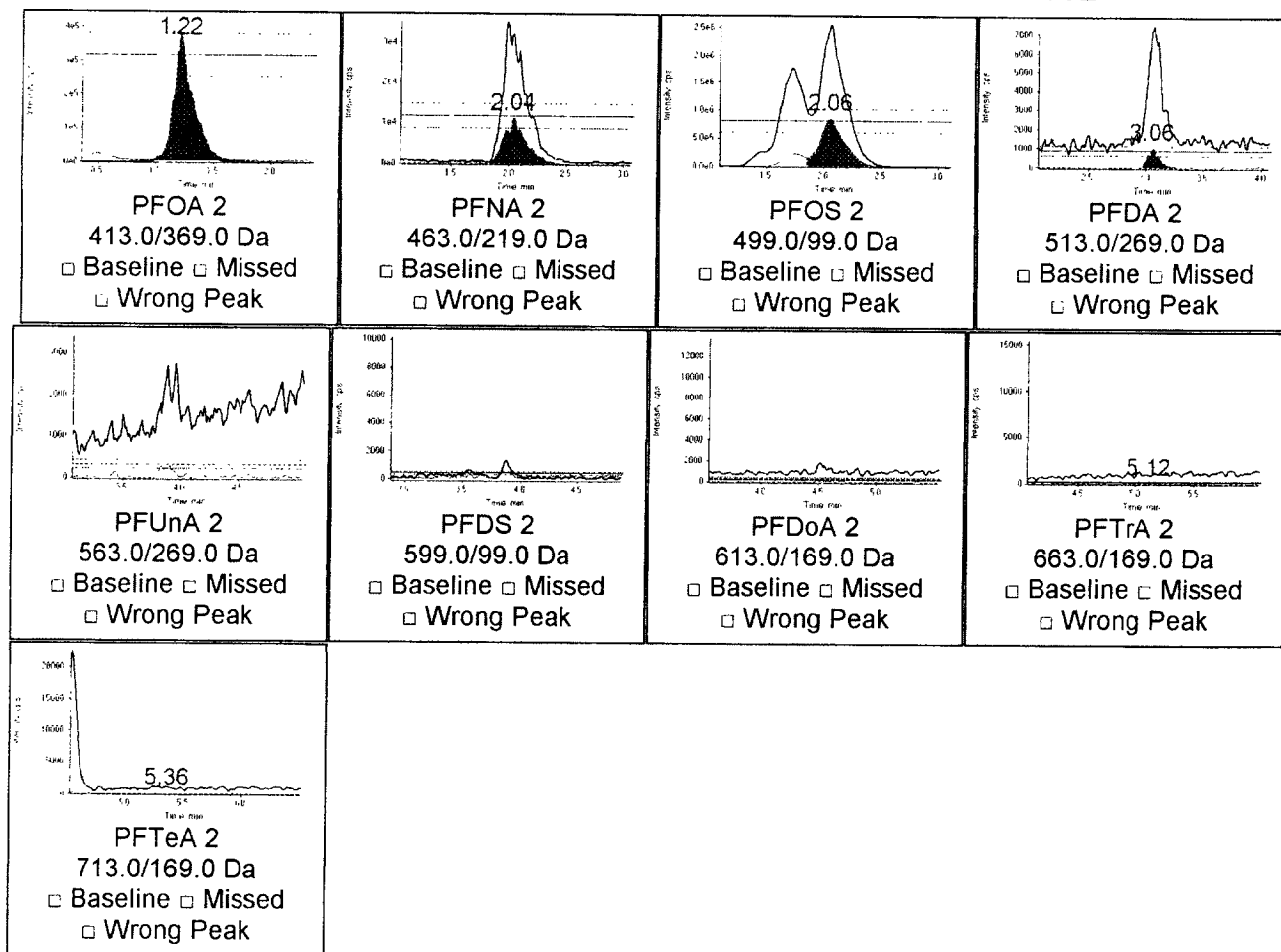
Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFOA 2	1.22 (1.36)	4248300	No	2.15 (2.16)	YES
S_13C_PFOA	1.22 (1.36)	4705700	No	2.38 (43.19)	No
PFNA 2	2.04 (2.08)	147470	No	0.33 (0.34)	YES
S_13C_PFNA	0.00 (2.44)	0	No	0.00 (0.00)	No
PFOS 2	2.06 (2.12)	12754000	No	0.33 (0.32)	YES
S_13C-PFOS	2.04 (2.00)	7641700	No	0.20 (21.71)	No
PFDA 2	3.06 (3.06)	7387	No	0.14 (0.14)	YES
S_13C-PFDA	3.06 (3.04)	3083200	No	58.63 (17.53)	No
PFUnA 2	0.00 (3.88)	0	No	0.00 (0.19)	No
S_13C-PFUnA	3.87 (3.88)	142010	No	10.09 (1.60)	No
PFDS 2	0.00 (3.87)	0	No	0.00 (0.32)	No
PFDoA 2	0.00 (4.53)	0	No	0.00 (0.28)	No
S_13C-PFDoA	4.54 (4.64)	214170	No	21.48 (3.71)	No
PFTra 2	5.12 (5.13)	117	No	0.06 (0.34)	No
PFTeA 2	5.36 (5.56)	106	No	0.00 (0.29)	No

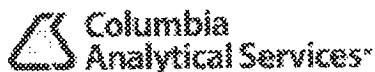
Quantitative Peak Review

K1001011-002



☐ Before ☐ After

Ion Ratio Confirmation
K1001011-002

☐ Before ☐ After



Project	Ewan's Projects\PFCs
Data File	021710\SamplesShort.wiff
Result Table	021710short.rdb
Instrument Name	API 5000

Sample Name	K1001011-002	Injection Volume	5
Acquisition Date	2/18/2010 2:18:48 AM	Sample Type	Unknown
Acquisition Method	PFCKinetexShort.dam	Dilution Factor	1.00
Injection Vial	26	Weight to Volume	0.00

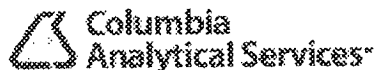
Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFBA 1	13C-PFBA	5801700	1.24 (1.27)	4075600	6.65	No
PFPeA 1	13C-PFHxA	6881600	3.54 (3.60)	13252000	20.30	No
PFBS 1	18O-PFHS	3960300	4.20 (4.26)	12172000	8.99	No
PFHxA 1	13C-PFHxA	6881600	5.24 (5.31)	16914000	25.30	No
PFHpA 1	13C-PFHxA	6881600	6.14 (6.23)	2502900	10.20	No
PFHxS 1	18O-PFHS	3960300	6.23 (6.32)	37695000	35.10	No
S_18O-PFHS	13C-PFDA	4153700	6.24 (6.31)	3960300	1.18	No
S_13C-PFDA	13C-PFDA	4153700	7.54 (7.65)	4153700	1.00	No

2/19/10
ETS
2/18/10

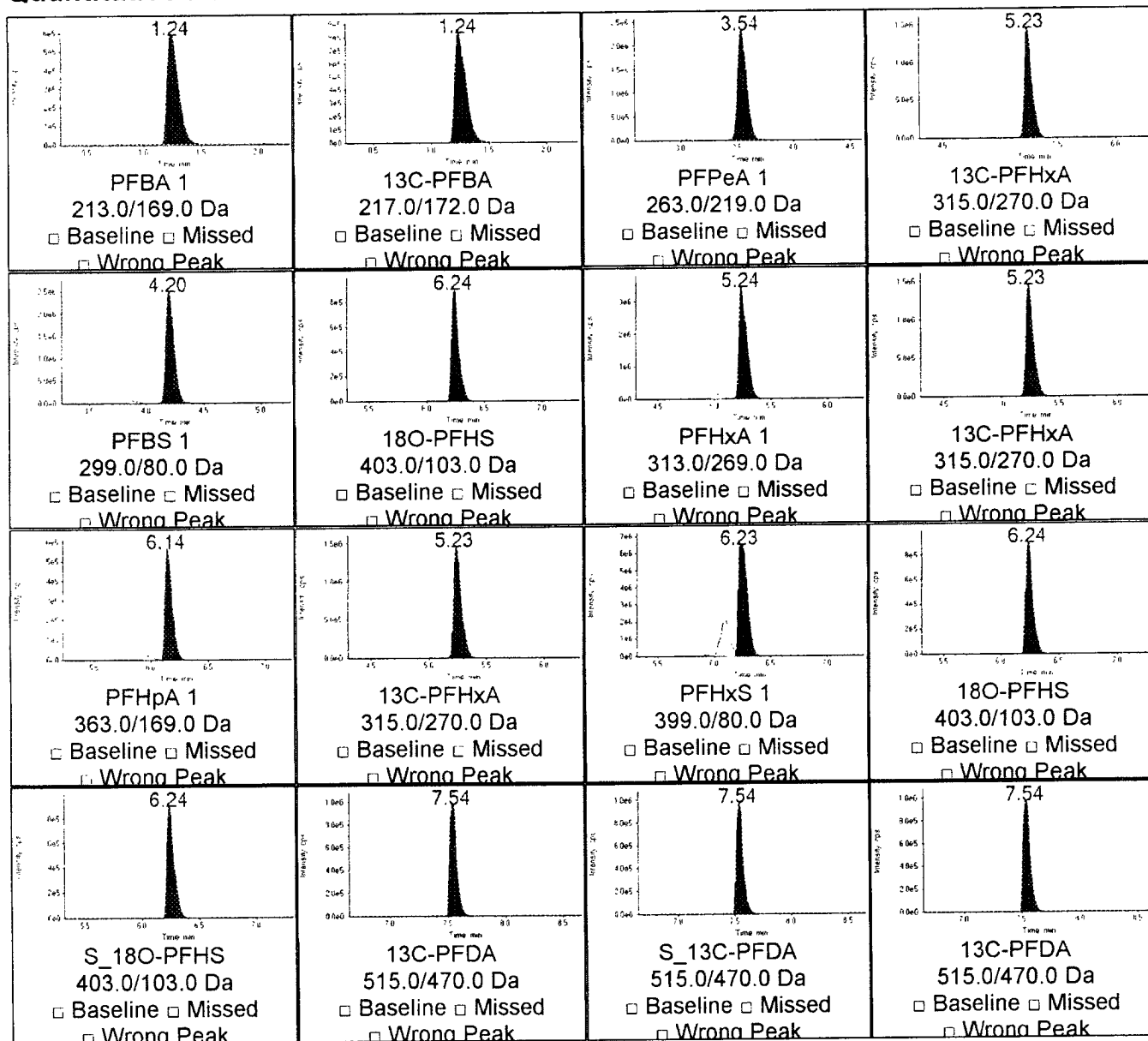
IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFBA 2	1.24 (1.27)	4075600	No	1.00 (1.00)	YES
PFPeA 2	3.54 (3.60)	13252000	No	1.00 (1.00)	YES
PFBS 2	4.20 (4.26)	4802400	No	0.39 (0.40)	YES
PFHxA 2	5.24 (5.31)	1682800	No	0.10 (0.10)	YES
PFHpA 2	6.15 (6.22)	7337000	No	2.93 (2.90)	YES
PFHxS 2	6.24 (6.32)	19514000	No	0.52 (0.40)	No
S_13C-PFBA	1.24 (1.26)	5801700	No	1.42 (13.20)	No
S_13C-PFHxA	5.23 (5.30)	6881600	No	0.41 (13.71)	No

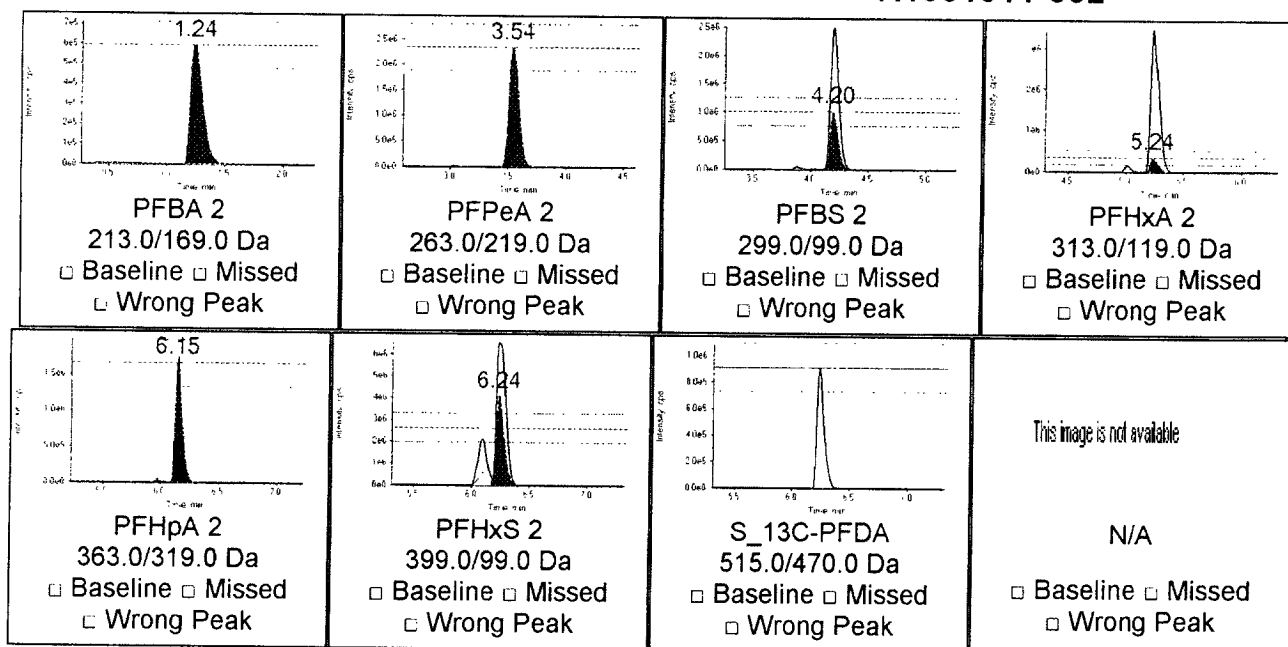


Quantitative Peak Review

K1001011-002



☐ Before ☐ After

Ion Ratio Confirmation
K1001011-002


NB. PFBA and PFPeA do not have qualifying ion transitions.

☐ Before ☐ After

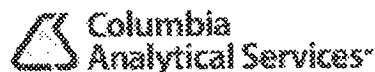
Project	Ewan's Projects\PFCs
Data File	021710\SamplesLong.wiff
Result Table	021710long.rdb
Instrument Name	API 5000

Sample Name	K1001011-003	Injection Volume	5
Acquisition Date	2/17/2010 8:23:41 PM	Sample Type	Unknown
Acquisition Method	PFCkinetexLong.dam	Dilution Factor	1.00
Injection Vial	27	Weight to Volume	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFOA 1	13C-PFOA	4084100	1.21 (1.36)	938810	4.560	No
PFNA 1	13C-PFNA	2701100	1.97 (2.06)	1169300	4.010	No
PFOS 1	13C-PFOS	7331000	2.00 (2.09)	1724700	2.220	No
PFDA 1	13C-PFDA	3489500	0.00 (3.06)	0	N/A	No
PFUnA 1	13C-PFUnA	134890	0.00 (4.06)	0	N/A	No
PFDS 1	13C-PFOS	7331000	3.83 (3.87)	3992	0.025	No
PFDaA 1	13C-PFDaA	241810	0.00 (4.55)	0	N/A	No
PFTra 1	13C-PFDaA	241810	5.03 (5.06)	4852	N/A	No
PFTeA 1	13C-PFDaA	241810	5.67 (5.51)	5339	N/A	No

Handwritten:
 2/17/10
 FOS
 2/18/10

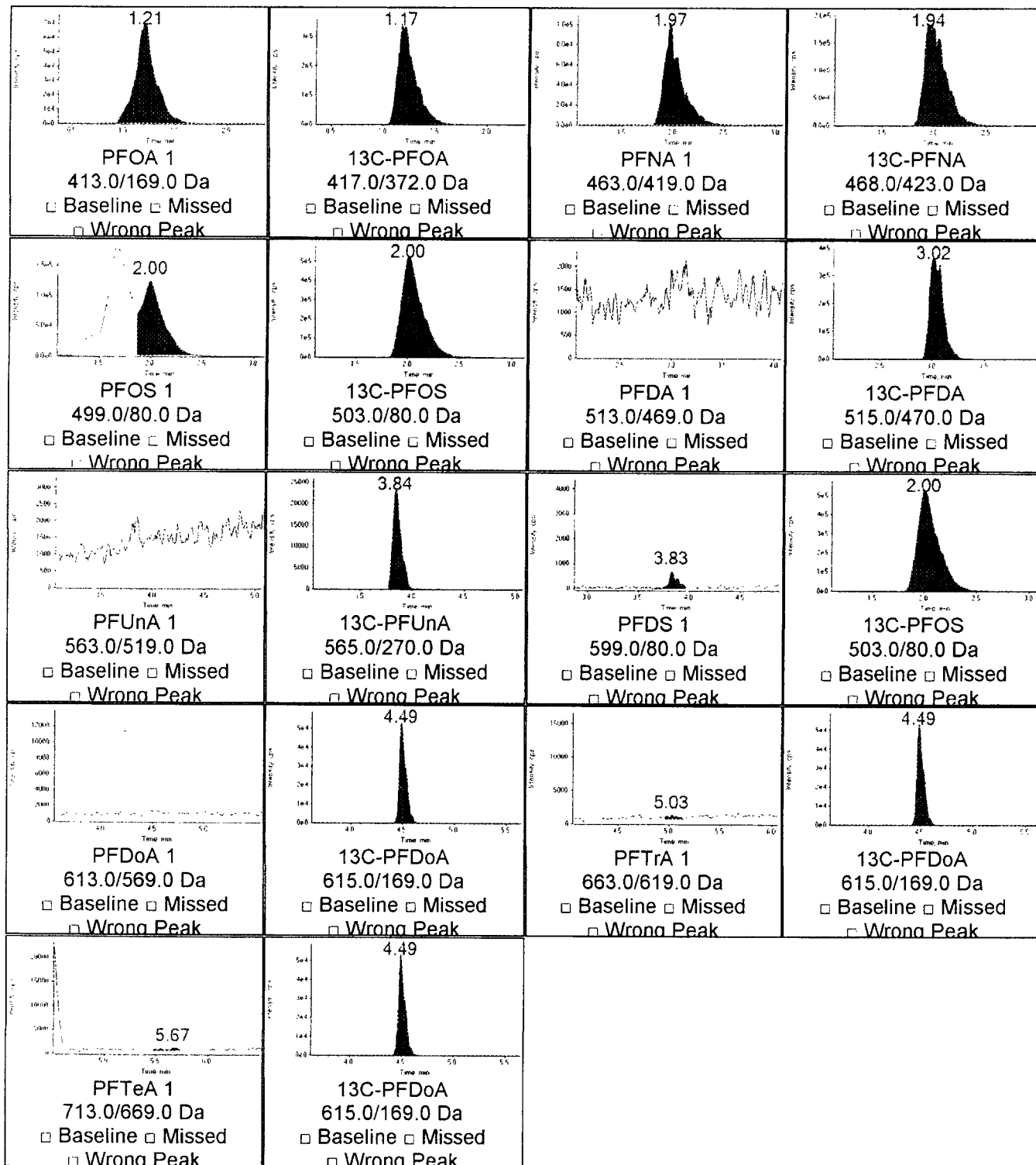


IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFOA 2	1.18 (1.36)	1823500	No	1.94 (2.16)	YES
S_13C_PFOA	1.17 (1.36)	4084100	No	4.35 (43.19)	No
PFNA 2	1.97 (2.08)	368930	No	0.32 (0.34)	YES
S_13C_PFNA	0.00 (2.44)	0	No	0.00 (0.00)	No
PFOS 2	2.01 (2.12)	582840	No	0.34 (0.32)	YES
S_13C-PFOS	2.00 (2.00)	7331000	No	4.25 (21.71)	No
PFDA 2	3.02 (3.06)	308	No	0.00 (0.14)	No
S_13C-PFDA	3.02 (3.04)	3489500	No	0.00 (17.53)	No
PFUnA 2	0.00 (3.88)	0	No	0.00 (0.19)	No
S_13C-PFUnA	3.84 (3.88)	134890	No	0.00 (1.60)	No
PFDS 2	0.00 (3.87)	0	No	0.00 (0.32)	No
PFDoA 2	0.00 (4.53)	0	No	0.00 (0.28)	No
S_13C-PFDoA	4.49 (4.64)	241810	No	0.00 (3.71)	No
PFTTrA 2	5.02 (5.13)	672	No	0.14 (0.34)	No
PFTeA 2	5.56 (5.56)	139	No	0.03 (0.29)	No

Quantitative Peak Review

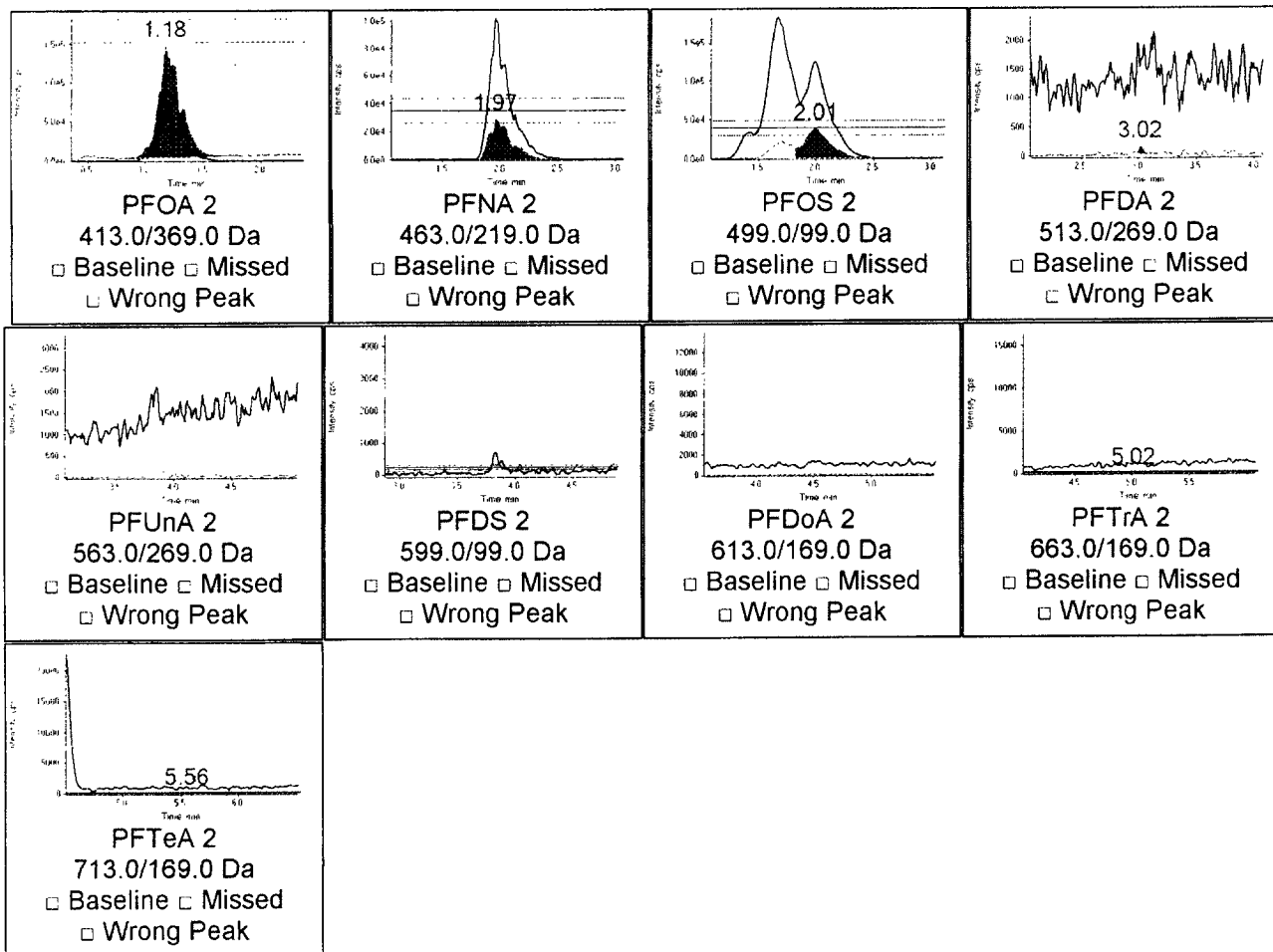
K1001011-003



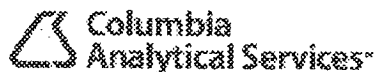
☐ Before ☐ After

Ion Ratio Confirmation

K1001011-003



☐ Before ☐ After



Project Ewan's Projects\PFCs
Data File 021710\SamplesShort.wiff
Result Table 021710short.rdb
Instrument Name API 5000

Sample Name	K1001011-003	Injection Volume	5
Acquisition Date	2/18/2010 2:28:20 AM	Sample Type	Unknown
Acquisition Method	PFCKinetexShort.dam	Dilution Factor	1.00
Injection Vial	27	Weight to Volume	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFBA 1	13C-PFBA	4866300	1.25 (1.27)	453610	0.83	No
PFPeA 1	13C-PFHxA	5778700	3.53 (3.60)	1220100	2.22	No
PFBS 1	18O-PFHS	3651900	4.19 (4.26)	2161500	1.68	No
PFHxA 1	13C-PFHxA	5778700	5.23 (5.31)	2810100	4.75	No
PFHpA 1	13C-PFHxA	5778700	6.12 (6.23)	401400	1.88	No
PFHxS 1	18O-PFHS	3651900	6.22 (6.32)	14457000	12.70	No
S_18O-PFHS	13C-PFDA	4256500	6.23 (6.31)	3651900	1.06	No
S_13C-PFDA	13C-PFDA	4256500	7.51 (7.65)	4256500	1.00	No

2/18/10

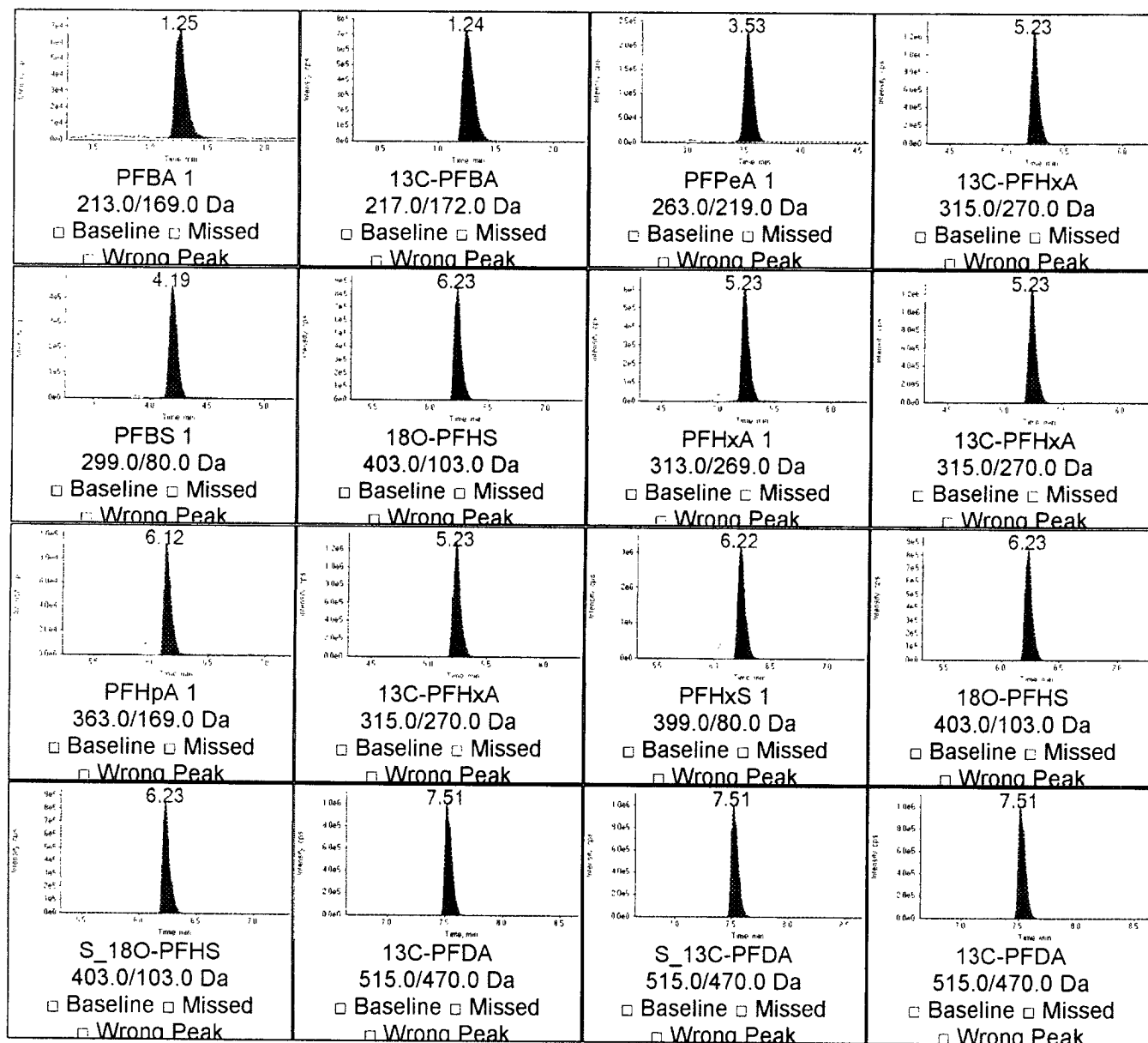
2/18/10

IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFBA 2	1.25 (1.27)	453610	No	1.00 (1.00)	YES
PFPeA 2	3.53 (3.60)	1220100	No	1.00 (1.00)	YES
PFBS 2	4.19 (4.26)	820410	No	0.38 (0.40)	YES
PFHxA 2	5.23 (5.31)	243730	No	0.09 (0.10)	YES
PFHpA 2	6.13 (6.22)	1239300	No	3.09 (2.90)	YES
PFHxS 2	6.22 (6.32)	5769800	No	0.40 (0.40)	YES
S_13C-PFBA	1.24 (1.26)	4866300	No	10.73 (13.20)	YES
S_13C-PFHxA	5.23 (5.30)	5778700	No	2.06 (13.71)	No

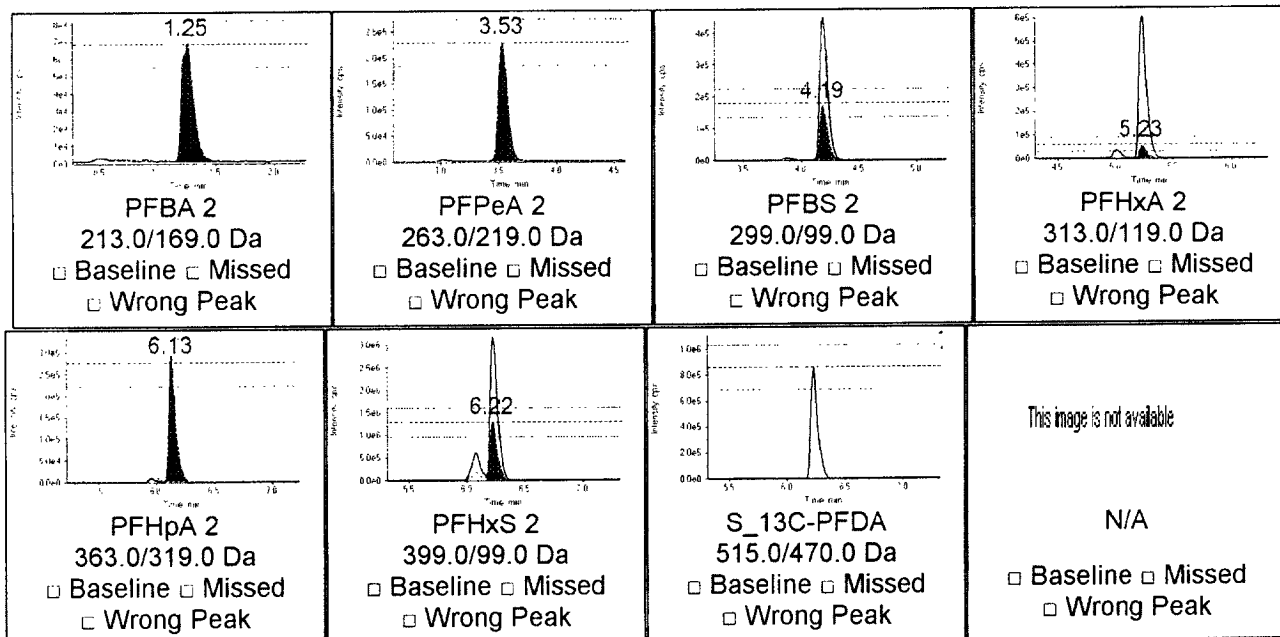
Quantitative Peak Review

K1001011-003


☐ Before ☐ After

Ion Ratio Confirmation

K1001011-003



NB. PFBA and PFPeA do not have qualifying ion transitions.

☐ Before ☐ After

Project	Ewan's Projects\PFCs
Data File	021710\SamplesLong.wiff
Result Table	021710long.rdb
Instrument Name	API 5000

Sample Name	K1001011-004	Injection Volume	5
Acquisition Date	2/17/2010 8:31:17 PM	Sample Type	Unknown
Acquisition Method	PFCkinetexLong.dam	Dilution Factor	1.00
Injection Vial	28	Weight to Volume	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFOA 1	13C-PFOA	4529300	1.26 (1.36)	1094100	4.790	No
PFNA 1	13C-PFNA	2826400	2.06 (2.06)	1341200	4.400	No
PFOS 1	13C-PFOS	7797500	2.08 (2.09)	1785900	2.160	No
PFDA 1	13C-PFDA	3542200	0.00 (3.06)	0	N/A	No
PFUnA 1	13C-PFUnA	123850	3.90 (4.06)	7037 <i>216140</i>	0.029 <i>N/A</i>	No
PFDS 1	13C-PFOS	7797500	3.88 (3.87)	1821	0.023	No
PFDaA 1	13C-PFDaA	235170	0.00 (4.55)	0	N/A	No
PFTra 1	13C-PFDaA	235170	5.06 (5.06)	5603	N/A	No
PFTeA 1	13C-PFDaA	235170	0.00 (5.51)	0	N/A	No

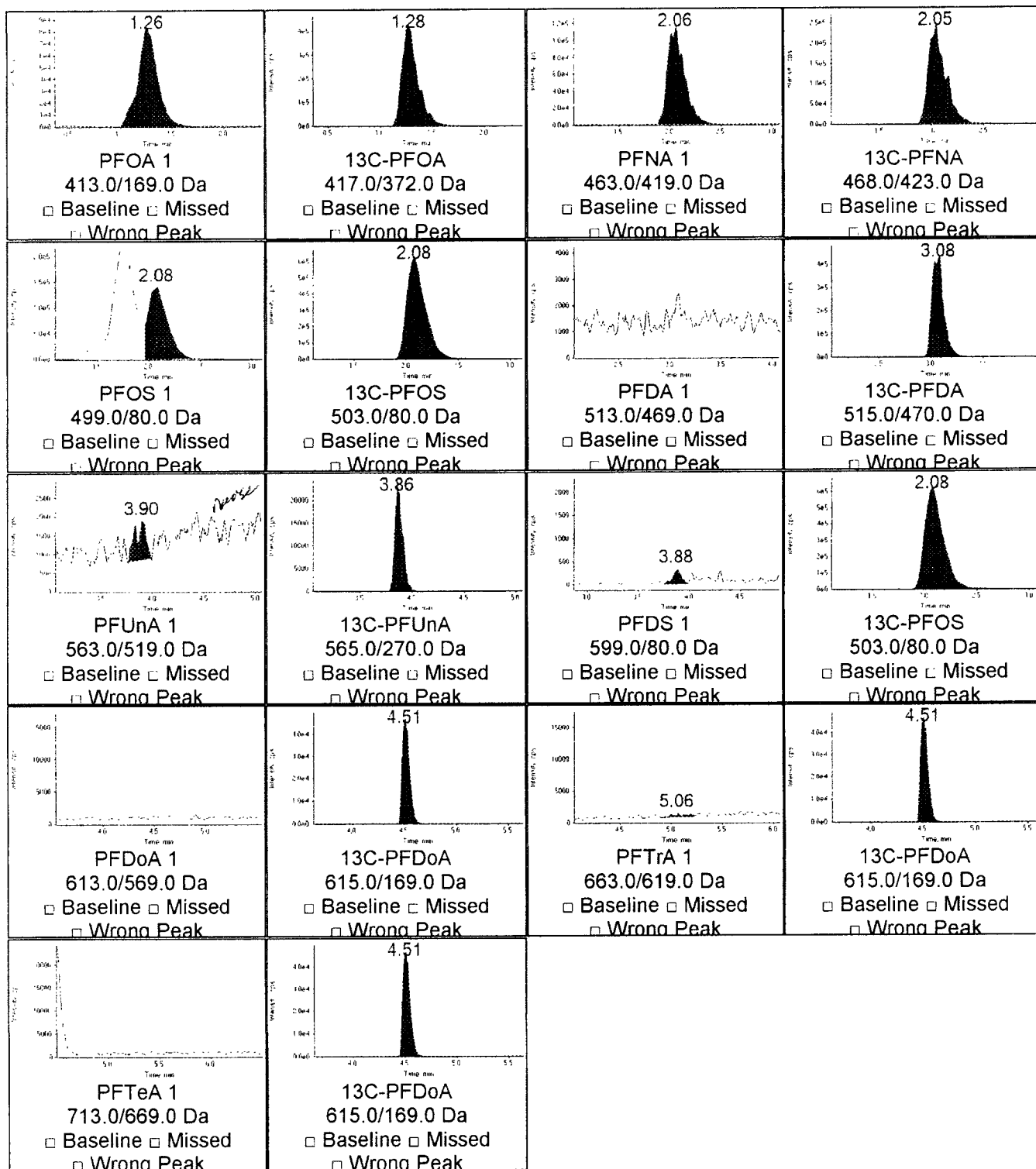
2/18/10
EFS
2/18/10

IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFOA 2	1.27 (1.36)	2127000	No	1.94 (2.16)	YES
S_13C_PFOA	1.28 (1.36)	4529300	No	4.14 (43.19)	No
PFNA 2	2.04 (2.08)	449440	No	0.34 (0.34)	YES
S_13C_PFNA	0.00 (2.44)	0	No	0.00 (0.00)	No
PFOS 2	2.08 (2.12)	627690	No	0.35 (0.32)	YES
S_13C-PFOS	2.08 (2.00)	7797500	No	4.37 (21.71)	No
PFDA 2	3.06 (3.06)	646	No	0.00 (0.14)	No
S_13C-PFDA	3.08 (3.04)	3542200	No	0.00 (17.53)	No
PFUnA 2	0.00 (3.88)	0	No	0.00 (0.19)	No
S_13C-PFUnA	3.86 (3.88)	123850	No	15.60 (1.60)	No
PFDS 2	0.00 (3.87)	0	No	0.00 (0.32)	No
PFDaA 2	0.00 (4.53)	0	No	0.00 (0.28)	No
S_13C-PFDaA	4.51 (4.64)	235170	No	0.00 (3.71)	No
PFTra 2	5.08 (5.13)	457	No	0.08 (0.34)	No
PFTeA 2	5.66 (5.56)	162	No	0.00 (0.29)	No

Quantitative Peak Review

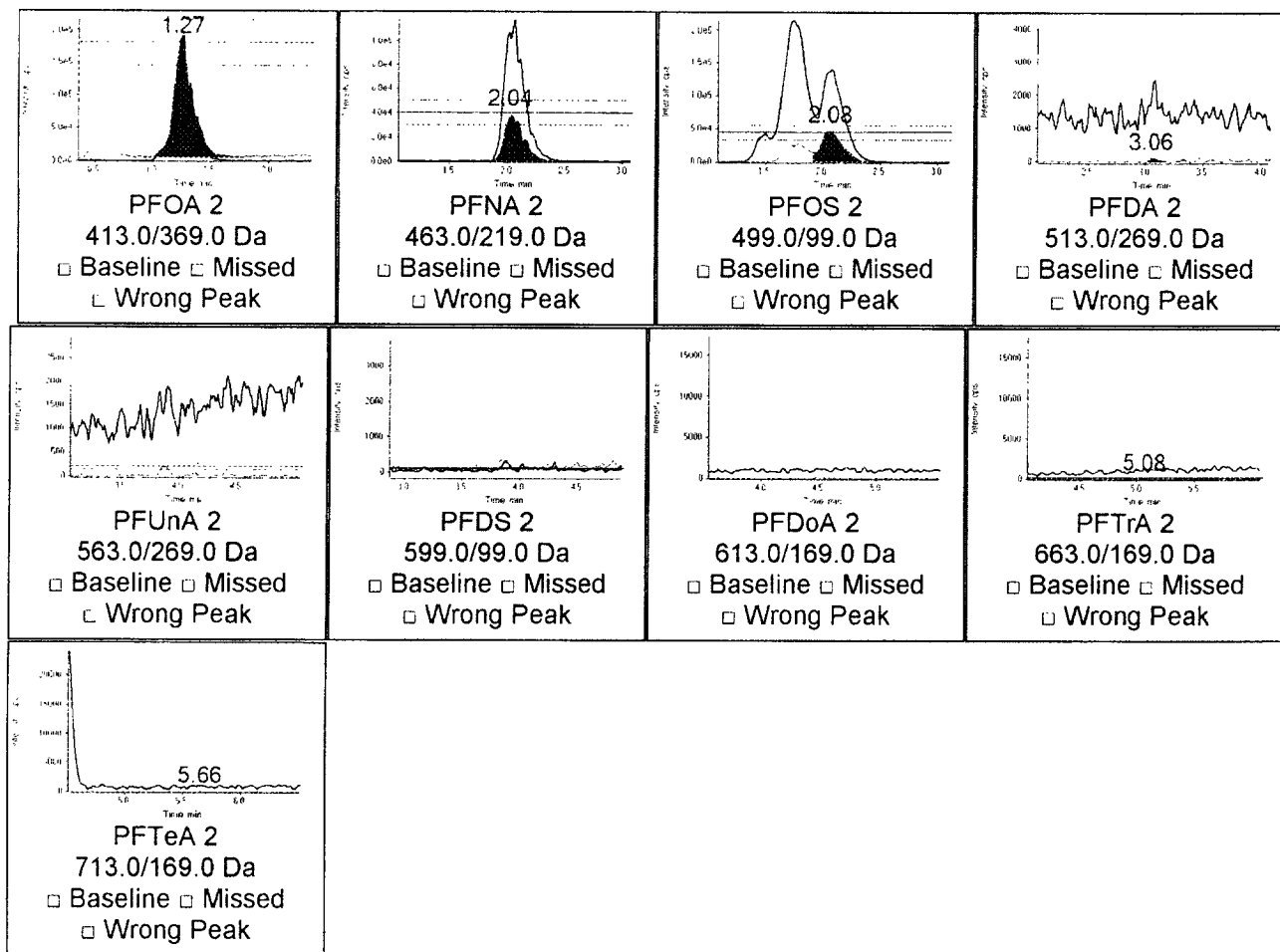
K1001011-004



☐ Before ☐ After

Ion Ratio Confirmation

K1001011-004

☐ Before ☐ After

Project	Ewan's Projects\PFCs
Data File	021710\SamplesShort.wiff
Result Table	021710short.rdb
Instrument Name	API 5000

Sample Name	K1001011-004	Injection Volume	5
Acquisition Date	2/18/2010 2:37:56 AM	Sample Type	Unknown
Acquisition Method	PFCKinetexShort.dam	Dilution Factor	1.00
Injection Vial	28	Weight to Volume	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFBA 1	13C-PFBA	5149200	1.24 (1.27)	500500	0.87	No
PFPeA 1	13C-PFHxA	6607200	3.53 (3.60)	1417100	2.25	No
PFBS 1	18O-PFHS	3878300	4.19 (4.26)	2368700	1.73	No
PFHxA 1	13C-PFHxA	6607200	5.22 (5.31)	3072800	4.54	No
PFHpA 1	13C-PFHxA	6607200	6.13 (6.23)	453840	1.86	No
PFHxS 1	18O-PFHS	3878300	6.22 (6.32)	15308000	12.70	No
S_18O-PFHS	13C-PFDA	4818300	6.22 (6.31)	3878300	1.00	No
S_13C-PFDA	13C-PFDA	4818300	7.52 (7.65)	4818300	1.00	No

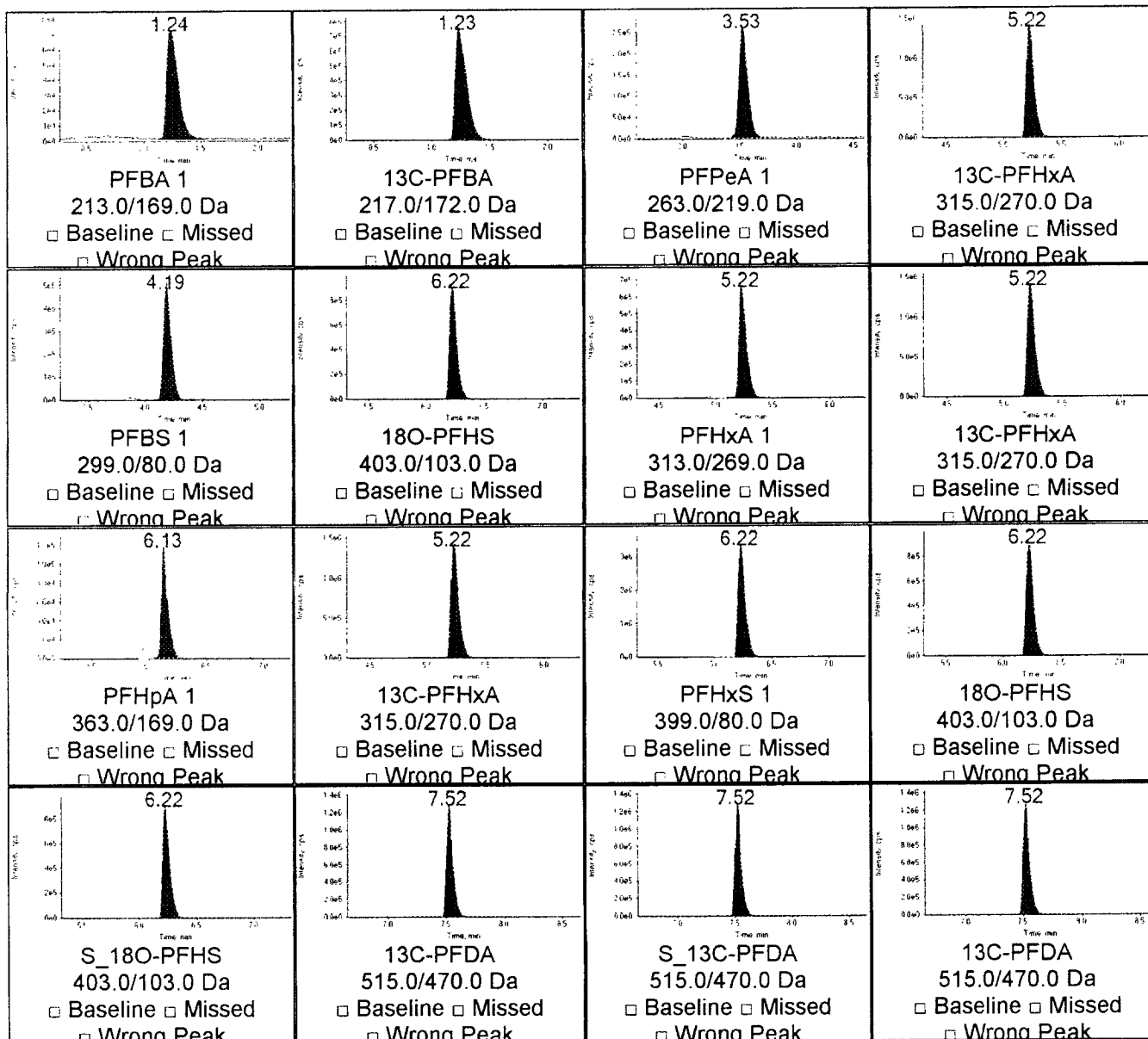
Handwritten:
 2/17/10
 EFS
 2/18/10

IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFBA 2	1.24 (1.27)	500500	No	1.00 (1.00)	YES
PFPeA 2	3.53 (3.60)	1417100	No	1.00 (1.00)	YES
PFBS 2	4.18 (4.26)	877890	No	0.37 (0.40)	YES
PFHxA 2	5.22 (5.31)	276180	No	0.09 (0.10)	YES
PFHpA 2	6.13 (6.22)	1400300	No	3.09 (2.90)	YES
PFHxS 2	6.22 (6.32)	6236000	No	0.41 (0.40)	YES
S_13C-PFBA	1.23 (1.26)	5149200	No	10.29 (13.20)	No
S_13C-PFHxA	5.22 (5.30)	6607200	No	2.15 (13.71)	No

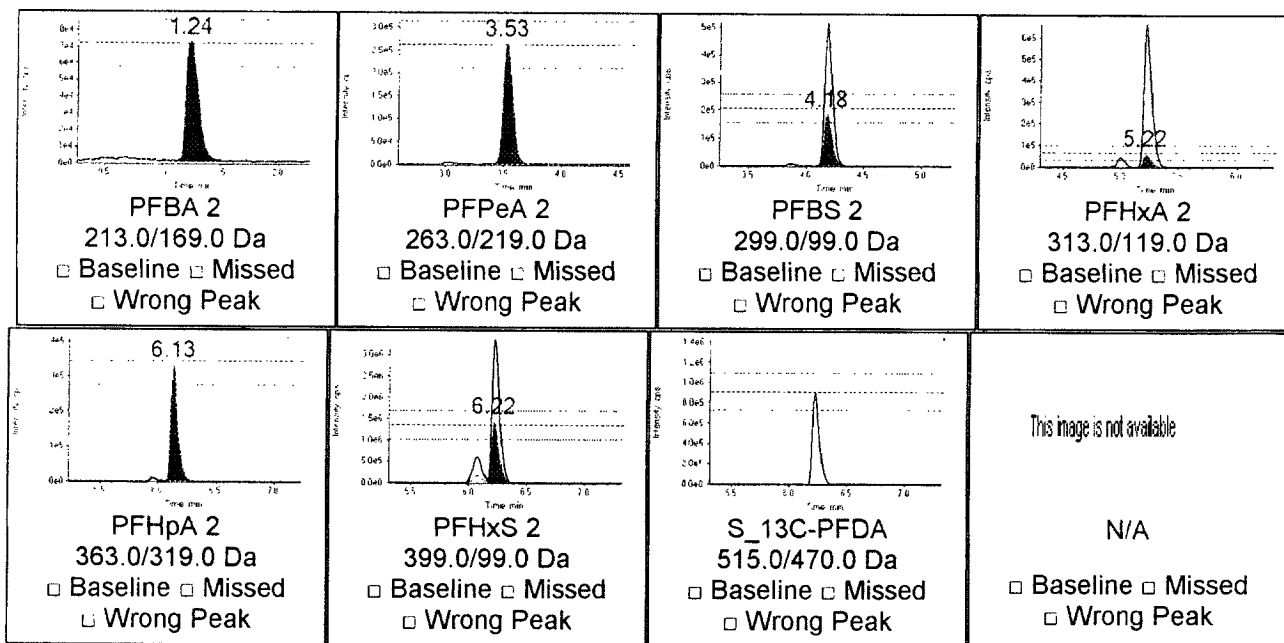
Quantitative Peak Review

K1001011-004

☐ Before ☐ After

Ion Ratio Confirmation

K1001011-004



NB. PFBA and PFPeA do not have qualifying ion transitions.

☐ Before ☐ After

Project	Ewan's Projects\PFCs
Data File	021710\SamplesLong.wiff
Result Table	021710long.rdb
Instrument Name	API 5000

Sample Name	K1001011-005	Injection Volume	5
Acquisition Date	2/17/2010 8:38:51 PM	Sample Type	Unknown
Acquisition Method	PFCkinetexLong.dam	Dilution Factor	1.00
Injection Vial	29	Weight to Volume	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFOA 1	13C-PFOA	4475900	1.21 (1.36)	611930	2.720	No
PFNA 1	13C-PFNA	2692200	2.01 (2.06)	3390500	11.600	No
PFOS 1	13C-PFOS	7108800	2.02 (2.09)	4803400	6.330	No
PFDA 1	13C-PFDA	3322000	3.03 (3.06)	74442	0.209	No
PFUnA 1	13C-PFUnA	88655	3.87 (4.06)	43553	0.438	No
PFDS 1	13C-PFOS	7108800	3.86 (3.87)	63887	0.097	No
PFDaA 1	13C-PFDaA	174210	4.50 (4.55)	21358	0.210	No
PFTra 1	13C-PFDaA	174210	5.07 (5.06)	4281	N/A	No
PFTeA 1	13C-PFDaA	174210	5.52 (5.51)	5903	0.028 <i>ND</i>	No

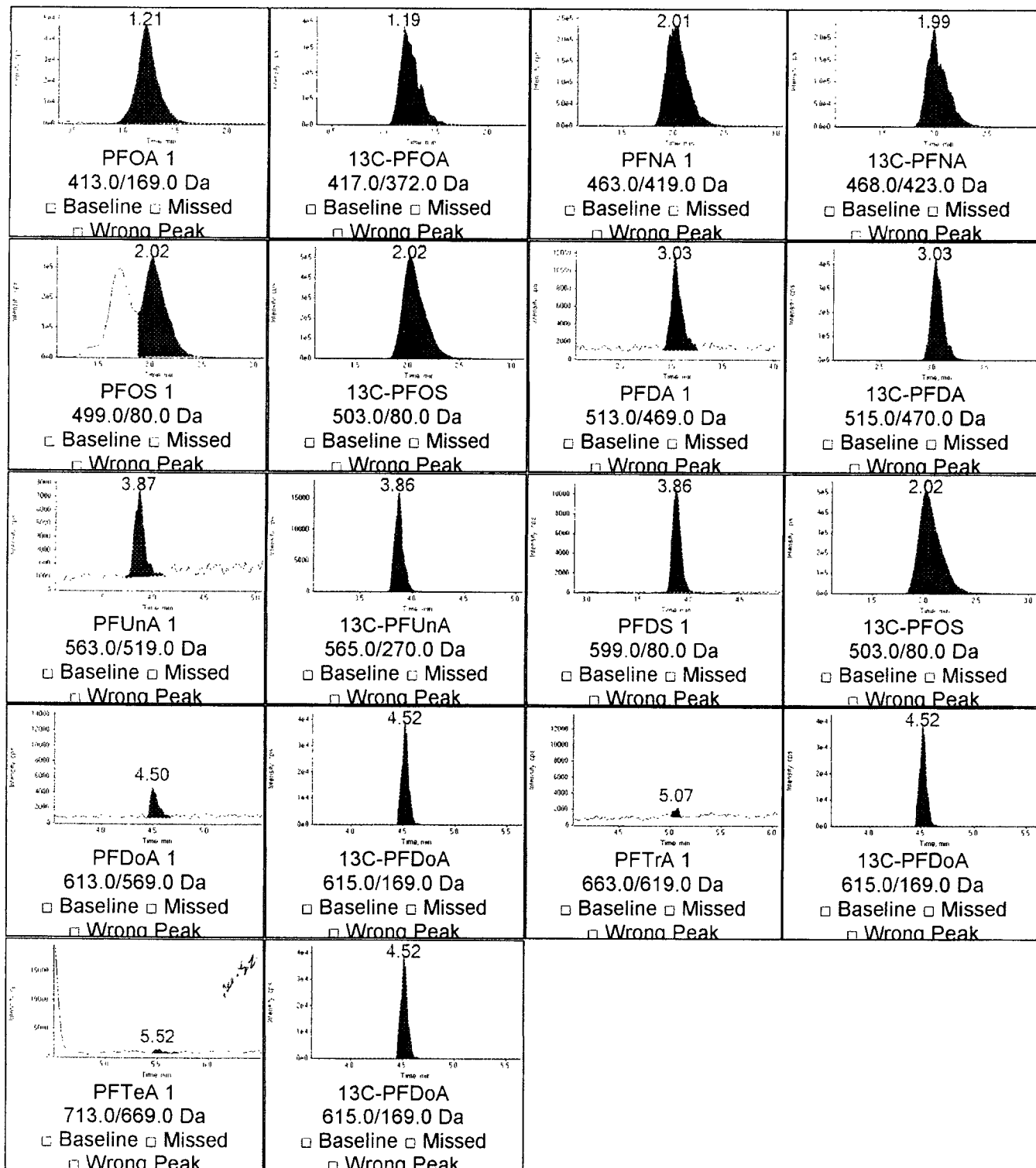
2/14/10
2/15/10

IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFOA 2	1.20 (1.36)	1247100	No	2.04 (2.16)	YES
S_13C_PFOA	1.19 (1.36)	4475900	No	7.31 (43.19)	No
PFNA 2	1.99 (2.08)	1091900	No	0.32 (0.34)	YES
S_13C_PFNA	0.00 (2.44)	0	No	0.00 (0.00)	No
PFOS 2	2.03 (2.12)	1684900	No	0.35 (0.32)	YES
S_13C-PFOS	2.02 (2.00)	7108800	No	1.48 (21.71)	No
PFDA 2	3.03 (3.06)	8581	No	0.12 (0.14)	YES
S_13C-PFDA	3.03 (3.04)	3322000	No	44.63 (17.53)	No
PFUnA 2	3.87 (3.88)	7504	No	0.17 (0.19)	YES
S_13C-PFUnA	3.86 (3.88)	88655	No	2.04 (1.60)	No
PFDS 2	3.87 (3.87)	20832	No	0.33 (0.32)	YES
PFDaA 2	4.52 (4.53)	3852	No	0.18 (0.28)	No
S_13C-PFDaA	4.52 (4.64)	174210	No	8.16 (3.71)	No
PFTra 2	5.06 (5.13)	1681	No	0.39 (0.34)	YES
PFTeA 2	5.52 (5.56)	627	No	0.11 (0.29)	No

Quantitative Peak Review

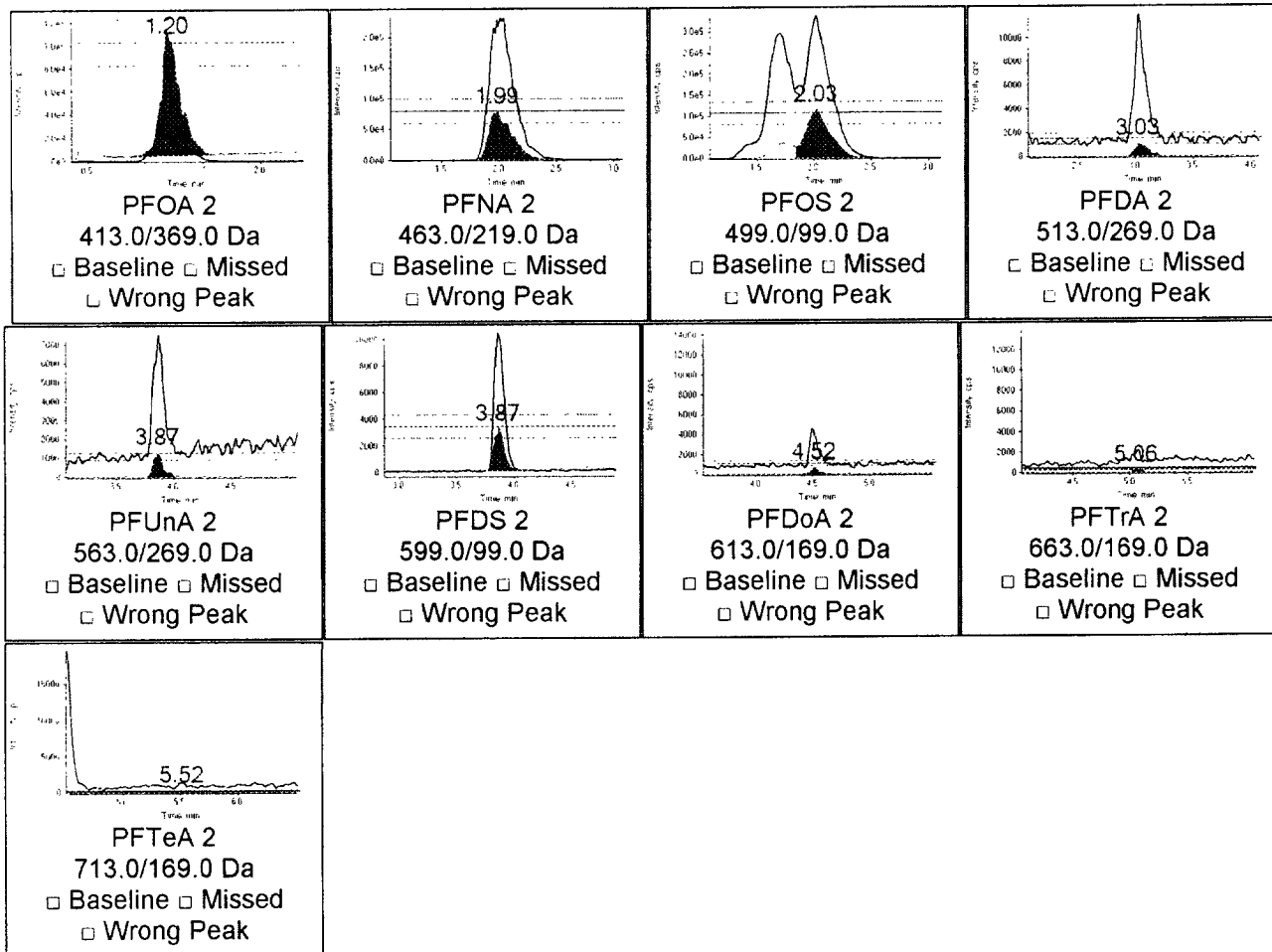
K1001011-005

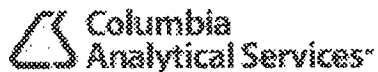


☐ Before ☐ After

Ion Ratio Confirmation

K1001011-005

☐ Before ☐ After



Project	Ewan's Projects\PFCs
Data File	021710\SamplesShort.wiff
Result Table	021710short.rdb
Instrument Name	API 5000

Sample Name	K1001011-005	Injection Volume	5
Acquisition Date	2/18/2010 2:47:27 AM	Sample Type	Unknown
Acquisition Method	PFCKinetexShort.dam	Dilution Factor	1.00
Injection Vial	29	Weight to Volume	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFBA 1	13C-PFBA	4418900	1.24 (1.27)	295630	0.58	No
PFPeA 1	13C-PFHxA	5838700	3.53 (3.60)	865220	1.55	No
PFBS 1	18O-PFHS	3904700	4.19 (4.26)	1360400	0.99	No
PFHxA 1	13C-PFHxA	5838700	5.24 (5.31)	1673600	2.76	No
PFHpA 1	13C-PFHxA	5838700	6.14 (6.23)	281040	1.29	No
PFHxS 1	18O-PFHS	3904700	6.23 (6.32)	8474300	6.74	No
S_18O-PFHS	13C-PFDA	4391200	6.23 (6.31)	3904700	1.10	No
S_13C-PFDA	13C-PFDA	4391200	7.53 (7.65)	4391200	1.00	No

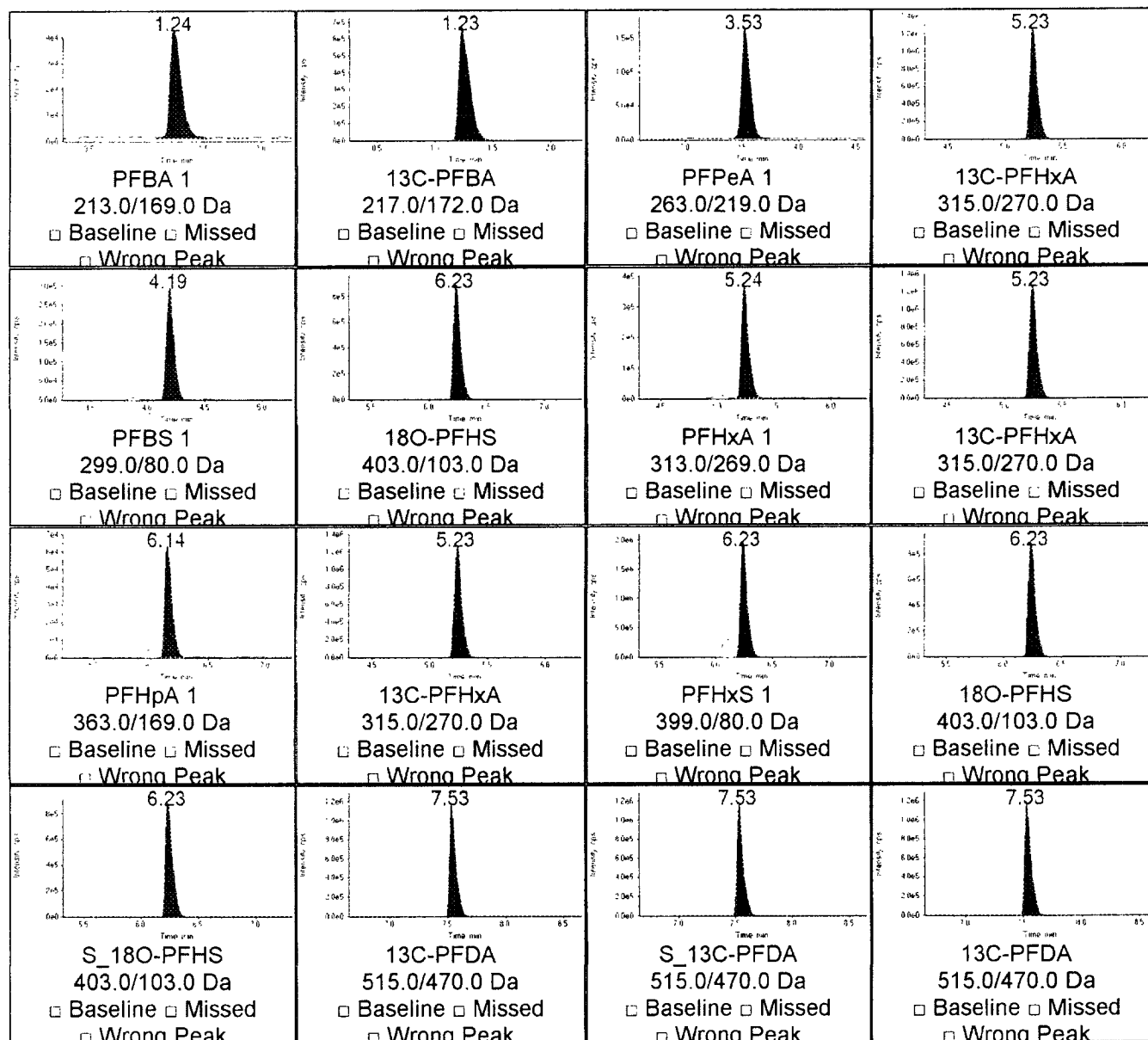
21/3/10
ETS
2/18/10

IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFBA 2	1.24 (1.27)	295630	No	1.00 (1.00)	YES
PFPeA 2	3.53 (3.60)	865220	No	1.00 (1.00)	YES
PFBS 2	4.19 (4.26)	515360	No	0.38 (0.40)	YES
PFHxA 2	5.23 (5.31)	154580	No	0.09 (0.10)	YES
PFHpA 2	6.14 (6.22)	868120	No	3.09 (2.90)	YES
PFHxS 2	6.23 (6.32)	3325700	No	0.39 (0.40)	YES
S_13C-PFBA	1.23 (1.26)	4418900	No	14.95 (13.20)	YES
S_13C-PFHxA	5.23 (5.30)	5838700	No	3.49 (13.71)	No

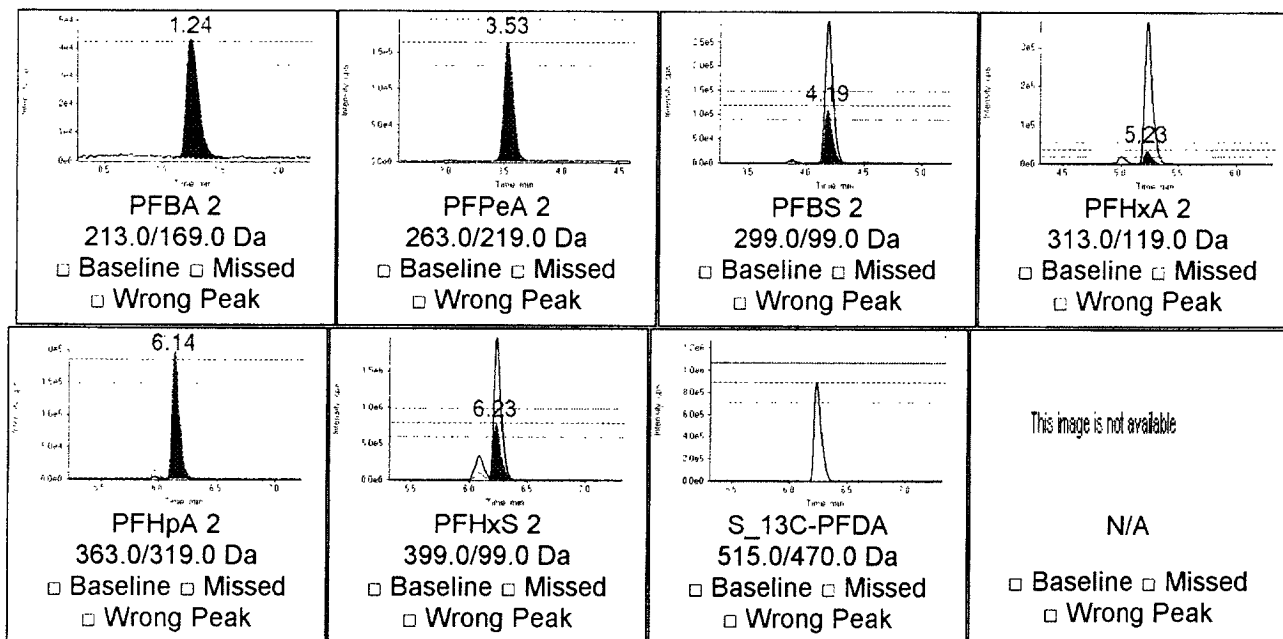
Quantitative Peak Review

K1001011-005

☐ Before ☐ After

Ion Ratio Confirmation

K1001011-005



NB. PFBA and PFPeA do not have qualifying ion transitions.

☐ Before ☐ After

Project	Ewan's Projects\PFCs
Data File	021710\SamplesLong.wiff
Result Table	021710long.rdb
Instrument Name	API 5000

Sample Name	K1001011-006	Injection Volume	5
Acquisition Date	2/17/2010 8:46:26 PM	Sample Type	Unknown
Acquisition Method	PFCKinetexLong.dam	Dilution Factor	1.00
Injection Vial	30	Weight to Volume	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFOA 1	13C-PFOA	4571200	1.26 (1.36)	686910	2.990	No
PFNA 1	13C-PFNA	3363200	2.08 (2.06)	3948100	10.800	No
PFOS 1	13C-PFOS	8676500	2.08 (2.09)	5517200	5.960	No
PFDA 1	13C-PFDA	3135900	3.12 (3.06)	37567	0.108	No
PFUnA 1	13C-PFUnA	160990	3.88 (4.06)	40520	0.209	No
PFDS 1	13C-PFOS	8676500	3.88 (3.87)	47853	0.067	No
PFDaA 1	13C-PFDaA	212730	4.52 (4.55)	24862	0.201	No
PFTra 1	13C-PFDaA	212730	5.06 (5.06)	7715	N/A	No
PFTeA 1	13C-PFDaA	212730	5.54 (5.51)	9970	0.081	No

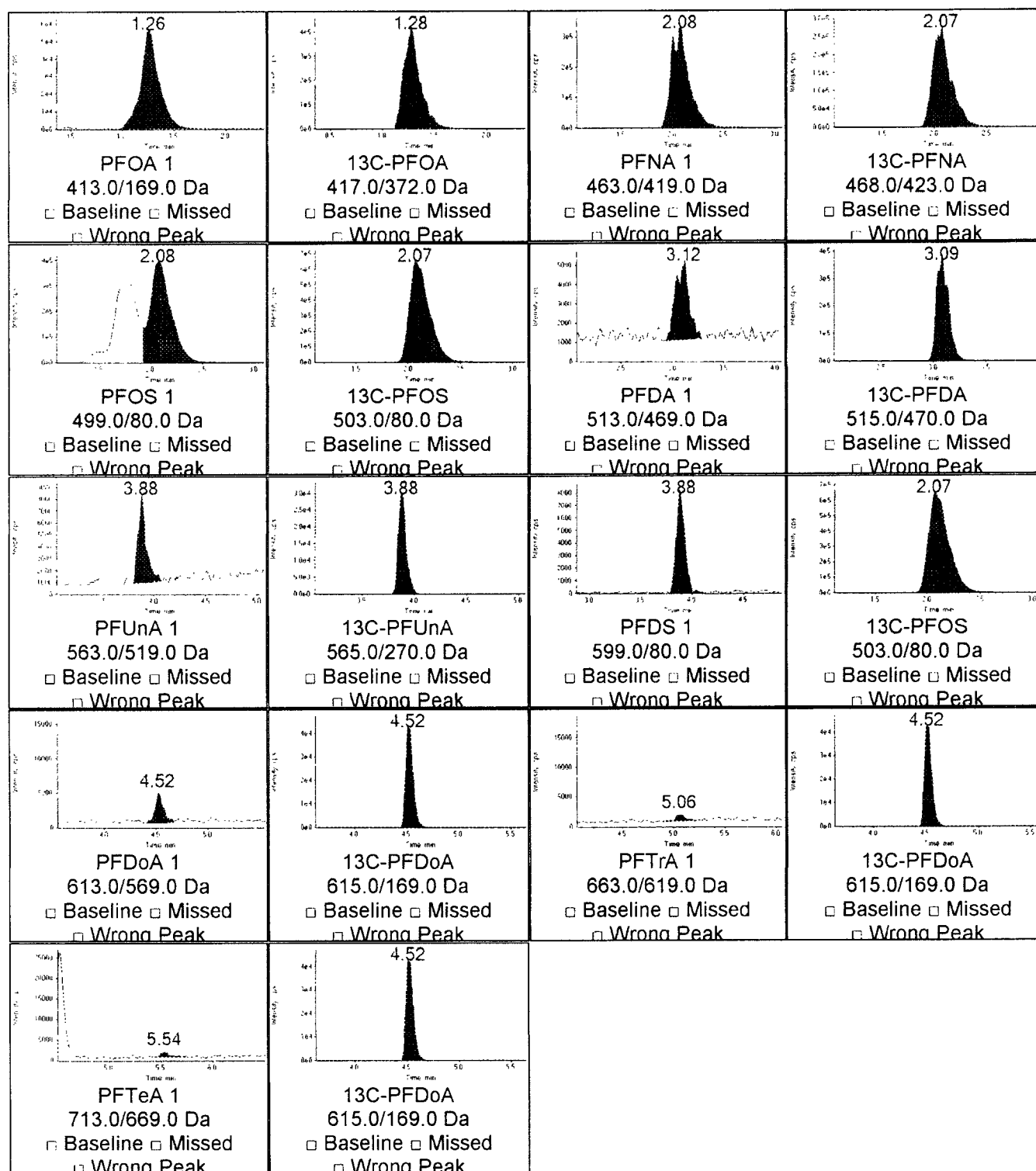
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 EC-5
 2/18/10

IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFOA 2	1.27 (1.36)	1315500	No	1.92 (2.16)	YES
S_13C_PFOA	1.28 (1.36)	4571200	No	6.65 (43.19)	No
PFNA 2	2.07 (2.08)	1243500	No	0.31 (0.34)	YES
S_13C_PFNA	0.00 (2.44)	0	No	0.00 (0.00)	No
PFOS 2	2.07 (2.12)	1865900	No	0.34 (0.32)	YES
S_13C-PFOS	2.07 (2.00)	8676500	No	1.57 (21.71)	No
PFDA 2	3.10 (3.06)	3999	No	0.11 (0.14)	YES
S_13C-PFDA	3.09 (3.04)	3135900	No	83.47 (17.53)	No
PFUnA 2	3.88 (3.88)	7282	No	0.18 (0.19)	YES
S_13C-PFUnA	3.88 (3.88)	160990	No	3.97 (1.60)	No
PFDS 2	3.89 (3.87)	16129	No	0.34 (0.32)	YES
PFDaA 2	4.54 (4.53)	5806	No	0.23 (0.28)	YES
S_13C-PFDaA	4.52 (4.64)	212730	No	8.56 (3.71)	No
PFTra 2	5.05 (5.13)	2072	No	0.27 (0.34)	YES
PFTeA 2	5.51 (5.56)	1481	No	0.15 (0.29)	No

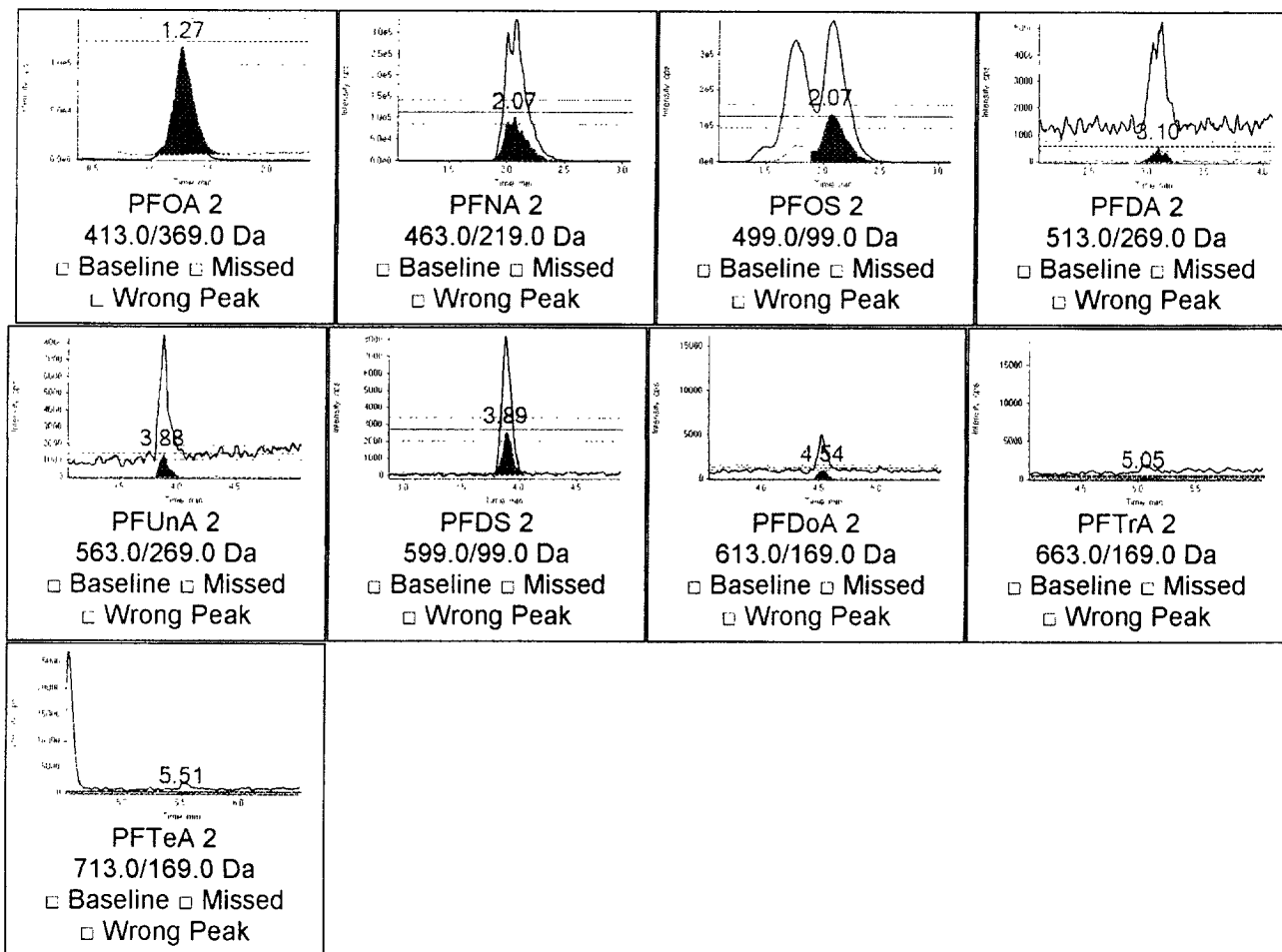
Quantitative Peak Review

K1001011-006


☐ Before ☐ After

Ion Ratio Confirmation

K1001011-006

☐ Before ☐ After

Project	Ewan's Projects\PFCs
Data File	021710\SamplesShort.wiff
Result Table	021710short.rdb
Instrument Name	API 5000

Sample Name	K1001011-006	Injection Volume	5
Acquisition Date	2/18/2010 2:57:03 AM	Sample Type	Unknown
Acquisition Method	PFCKinetexShort.dam	Dilution Factor	1.00
Injection Vial	30	Weight to Volume	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFBA 1	13C-PFBA	5352600	1.24 (1.27)	355640	0.57	No
PFPeA 1	13C-PFHxA	6600200	3.53 (3.60)	1000900	1.59	No
PFBS 1	18O-PFHS	4103600	4.19 (4.26)	1388100	0.97	No
PFHxA 1	13C-PFHxA	6600200	5.24 (5.31)	1867400	2.73	No
PFHpA 1	13C-PFHxA	6600200	6.15 (6.23)	296690	1.20	No
PFHxS 1	18O-PFHS	4103600	6.24 (6.32)	8305800	6.27	No
S_18O-PFHS	13C-PFDA	3952600	6.24 (6.31)	4103600	1.29	No
S_13C-PFDA	13C-PFDA	3952600	7.54 (7.65)	3952600	1.00	No

* 2/18/10

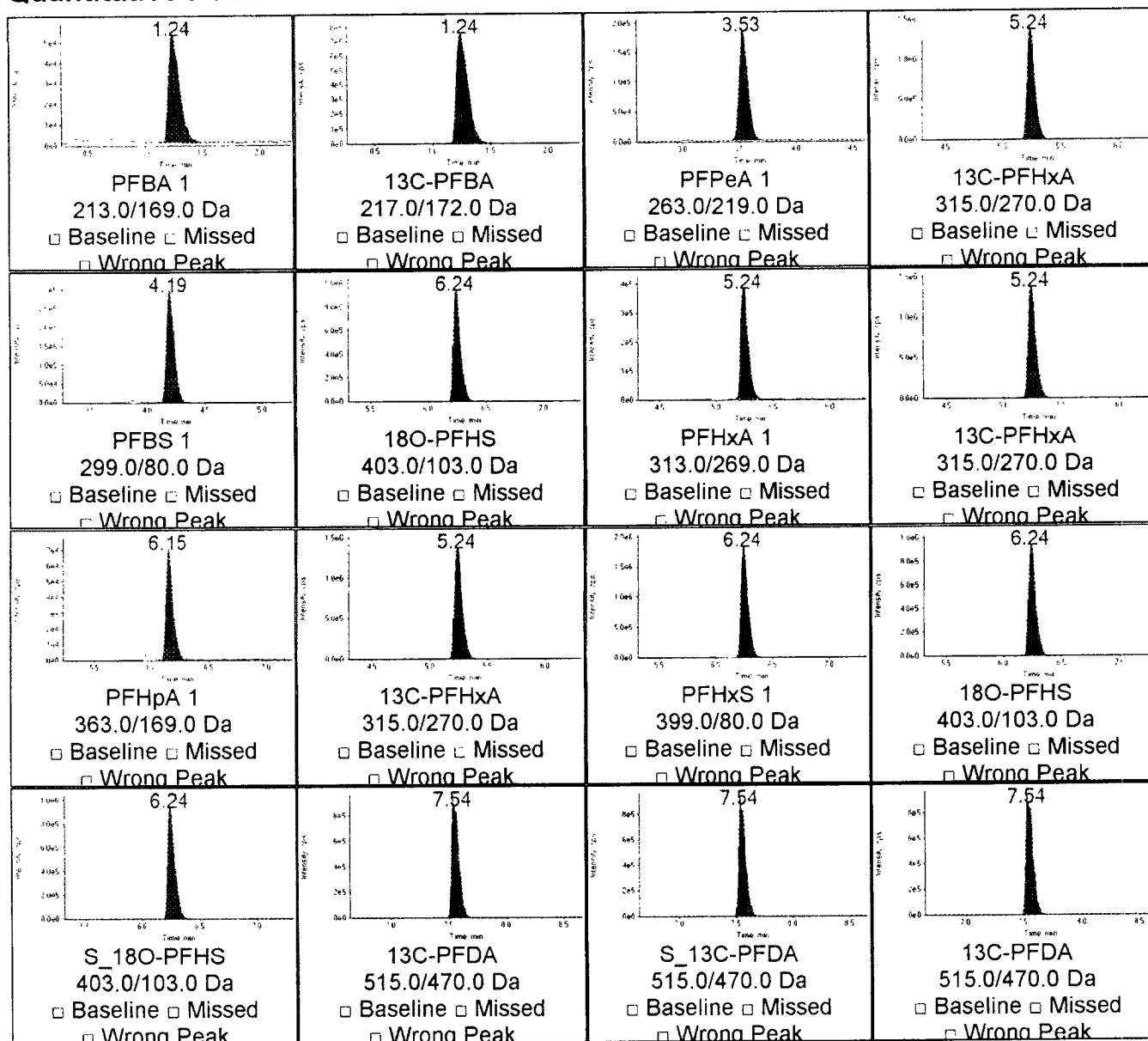
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2/18/10

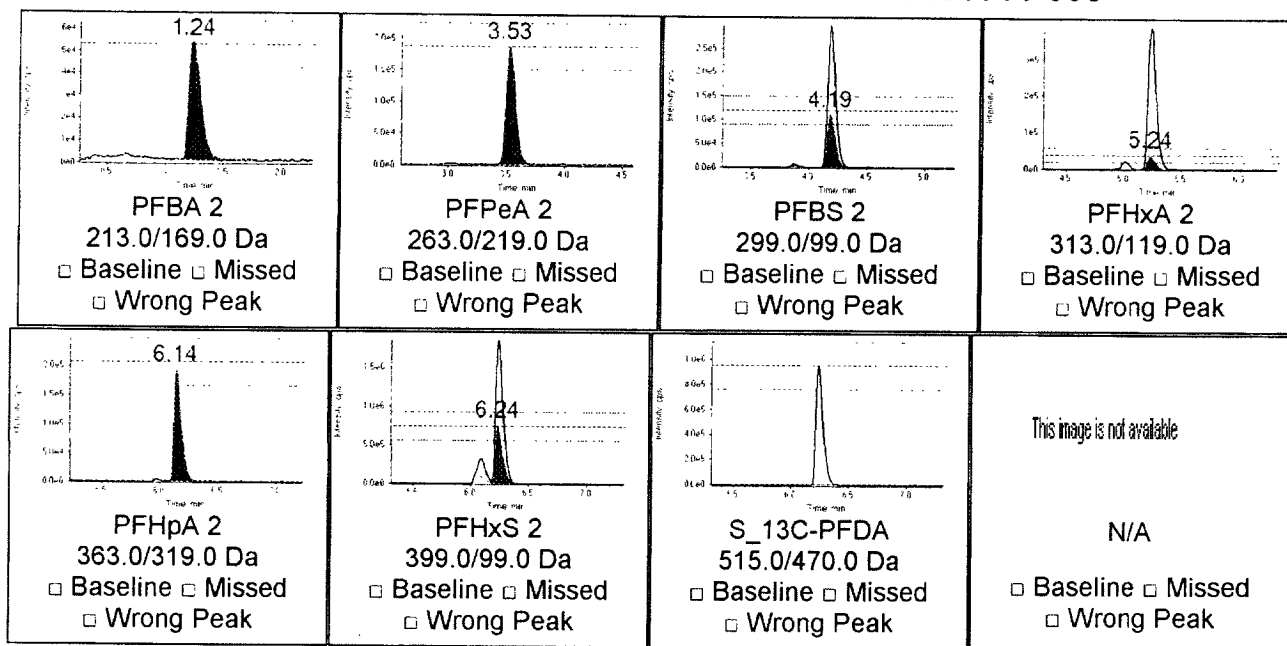
IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFBA 2	1.24 (1.27)	355640	No	1.00 (1.00)	YES
PFPeA 2	3.53 (3.60)	1000900	No	1.00 (1.00)	YES
PFBS 2	4.19 (4.26)	520110	No	0.37 (0.40)	YES
PFHxA 2	5.24 (5.31)	170640	No	0.09 (0.10)	YES
PFHpA 2	6.14 (6.22)	869850	No	2.93 (2.90)	YES
PFHxS 2	6.24 (6.32)	3252300	No	0.39 (0.40)	YES
S_13C-PFBA	1.24 (1.26)	5352600	No	15.05 (13.20)	YES
S_13C-PFHxA	5.24 (5.30)	6600200	No	3.53 (13.71)	No

Quantitative Peak Review

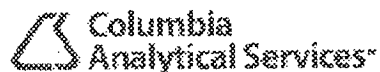
K1001011-006


☐ Before ☐ After

Ion Ratio Confirmation
K1001011-006


NB. PFBA and PFPeA do not have qualifying ion transitions.

☐ Before ☐ After



Project Ewan's Projects\PFCs
Data File 021710\SamplesLong.wiff
Result Table 021710long.rdb
Instrument Name API 5000

Sample Name	K1001011-007	Injection Volume	5
Acquisition Date	2/17/2010 8:54:00 PM	Sample Type	Unknown
Acquisition Method	PFCKinetexLong.dam	Dilution Factor	1.00
Injection Vial	31	Weight to Volume	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFOA 1	13C-PFOA	4304300	1.20 (1.36)	1659700	7.630	No
PFNA 1	13C-PFNA	2764500	2.00 (2.06)	8141200	27.100	No
PFOS 1	13C-PFOS	8288000	2.03 (2.09)	27116000	30.600	No
PFDA 1	13C-PFDA	2890600	3.03 (3.06)	51755	0.165	No
PFUnA 1	13C-PFUnA	145620	3.85 (4.06)	97691	0.610	No
PFDS 1	13C-PFOS	8288000	3.89 (3.87)	4315	0.025	No
PFDaA 1	13C-PFDaA	235890	0.00 (4.55)	0	N/A	No
PFTra 1	13C-PFDaA	235890	5.07 (5.06)	2351	N/A	No
PFTeA 1	13C-PFDaA	235890	5.33 (5.51)	2222	N/A	No

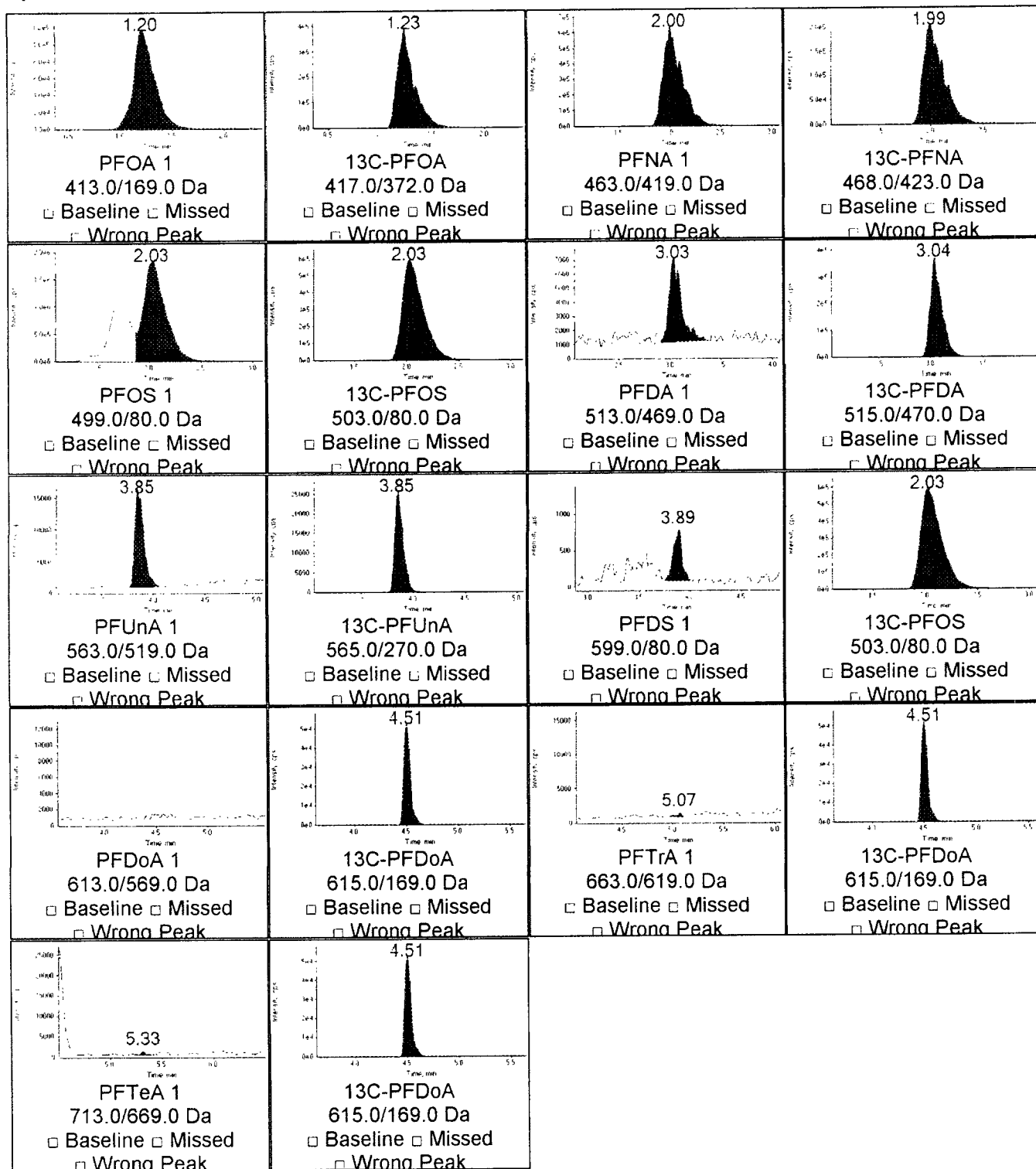
2/18/10
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IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFOA 2	1.23 (1.36)	3306600	No	1.99 (2.16)	YES
S_13C_PFOA	1.23 (1.36)	4304300	No	2.59 (43.19)	No
PFNA 2	2.00 (2.08)	2605400	No	0.32 (0.34)	YES
S_13C_PFNA	0.00 (2.44)	0	No	0.00 (0.00)	No
PFOS 2	2.02 (2.12)	9011900	No	0.33 (0.32)	YES
S_13C-PFOS	2.03 (2.00)	8288000	No	0.31 (21.71)	No
PFDA 2	3.08 (3.06)	6556	No	0.13 (0.14)	YES
S_13C-PFDA	3.04 (3.04)	2890600	No	55.85 (17.53)	No
PFUnA 2	3.87 (3.88)	17209	No	0.18 (0.19)	YES
S_13C-PFUnA	3.85 (3.88)	145620	No	1.49 (1.60)	YES
PFDS 2	0.00 (3.87)	0	No	0.00 (0.32)	No
PFDaA 2	0.00 (4.53)	0	No	0.00 (0.28)	No
S_13C-PFDaA	4.51 (4.64)	235890	No	0.00 (3.71)	No
PFTra 2	5.11 (5.13)	240	No	0.10 (0.34)	No
PFTeA 2	5.48 (5.56)	155	No	0.07 (0.29)	No

Quantitative Peak Review

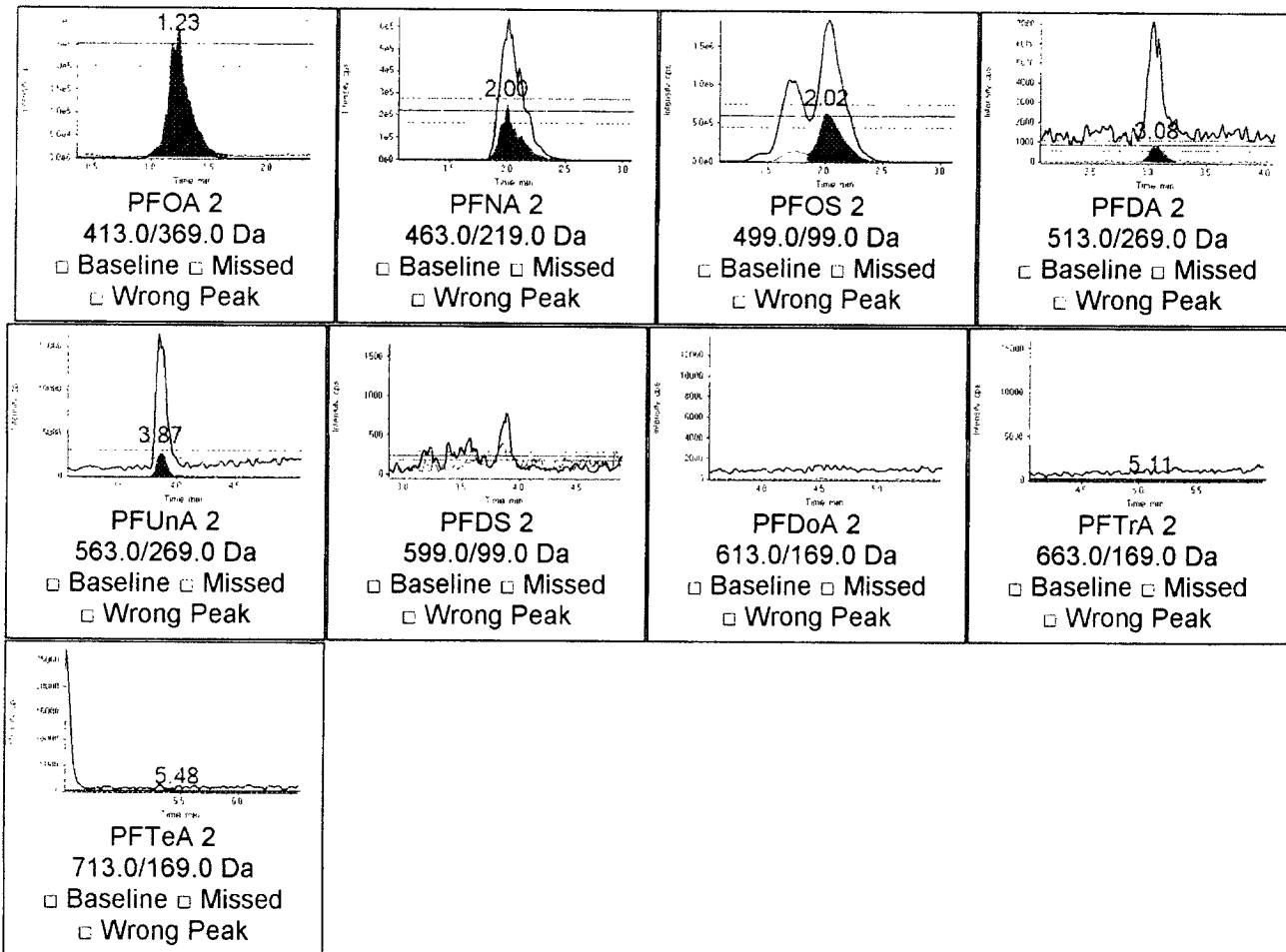
K1001011-007



☐ Before ☐ After

Ion Ratio Confirmation

K1001011-007



☐ Before ☐ After

Project	Ewan's Projects\PFCs
Data File	021710\SamplesShort.wiff
Result Table	021710short.rdb
Instrument Name	API 5000

Sample Name	K1001011-007	Injection Volume	5
Acquisition Date	2/18/2010 3:06:37 AM	Sample Type	Unknown
Acquisition Method	PFCKinetexShort.dam	Dilution Factor	1.00
Injection Vial	31	Weight to Volume	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFBA 1	13C-PFBA	4953300	1.23 (1.27)	553800	1.00	No
PFPeA 1	13C-PFHxA	6424100	3.53 (3.60)	1588500	2.60	No
PFBS 1	18O-PFHS	4002000	4.19 (4.26)	1632700	1.16	No
PFHxA 1	13C-PFHxA	6424100	5.24 (5.31)	3364400	5.12	No
PFHpA 1	13C-PFHxA	6424100	6.16 (6.23)	742110	3.17	No
PFHxS 1	18O-PFHS	4002000	6.25 (6.32)	13858000	11.00	No
S_18O-PFHS	13C-PFDA	4103700	6.24 (6.31)	4002000	1.21	No
S_13C-PFDA	13C-PFDA	4103700	7.55 (7.65)	4103700	1.00	No

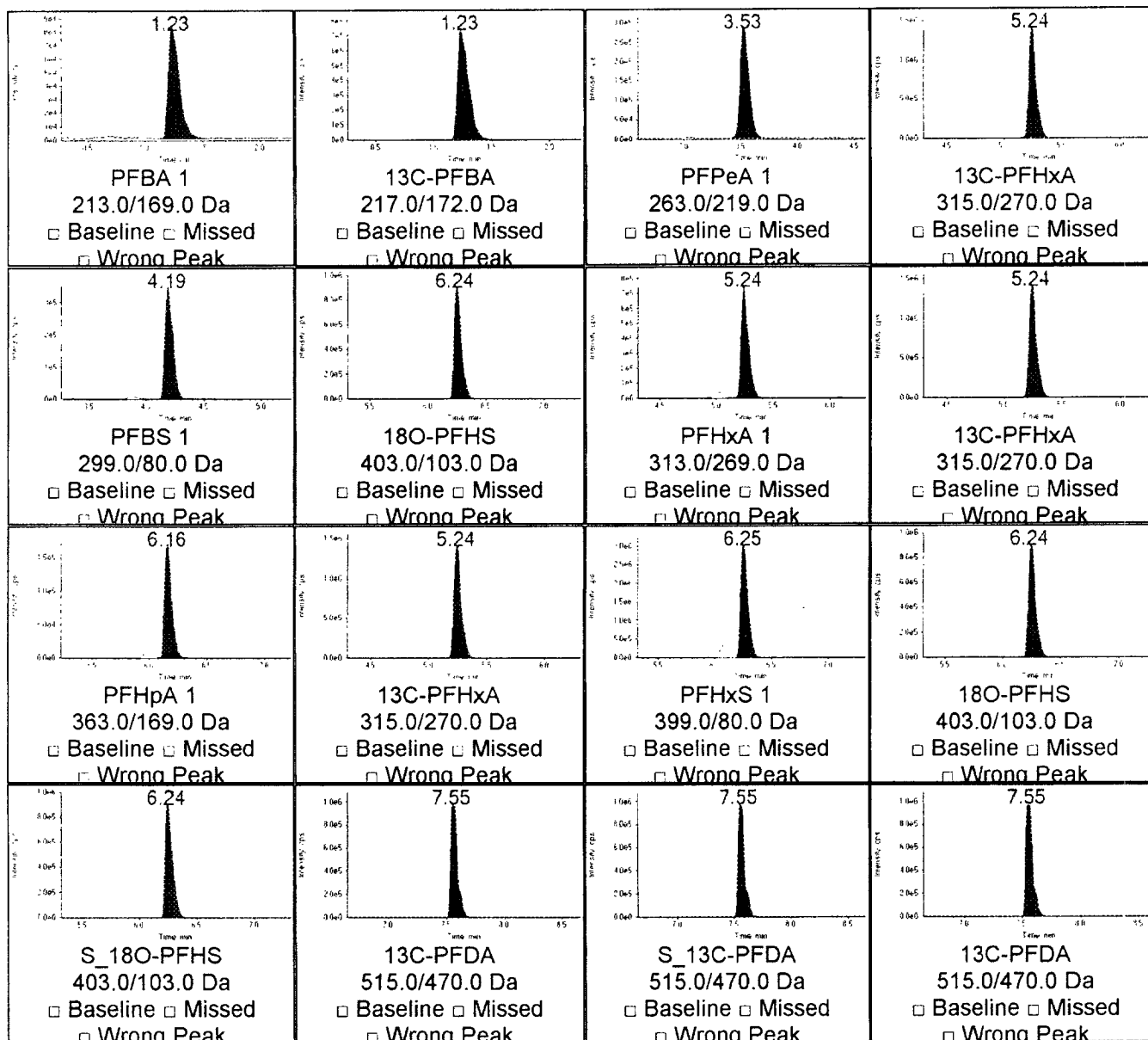
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IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFBA 2	1.23 (1.27)	553800	No	1.00 (1.00)	YES
PFPeA 2	3.53 (3.60)	1588500	No	1.00 (1.00)	YES
PFBS 2	4.19 (4.26)	615480	No	0.38 (0.40)	YES
PFHxA 2	5.24 (5.31)	306160	No	0.09 (0.10)	YES
PFHpA 2	6.15 (6.22)	2304900	No	3.11 (2.90)	YES
PFHxS 2	6.25 (6.32)	5615100	No	0.41 (0.40)	YES
S_13C-PFBA	1.23 (1.26)	4953300	No	8.94 (13.20)	No
S_13C-PFHxA	5.24 (5.30)	6424100	No	1.91 (13.71)	No

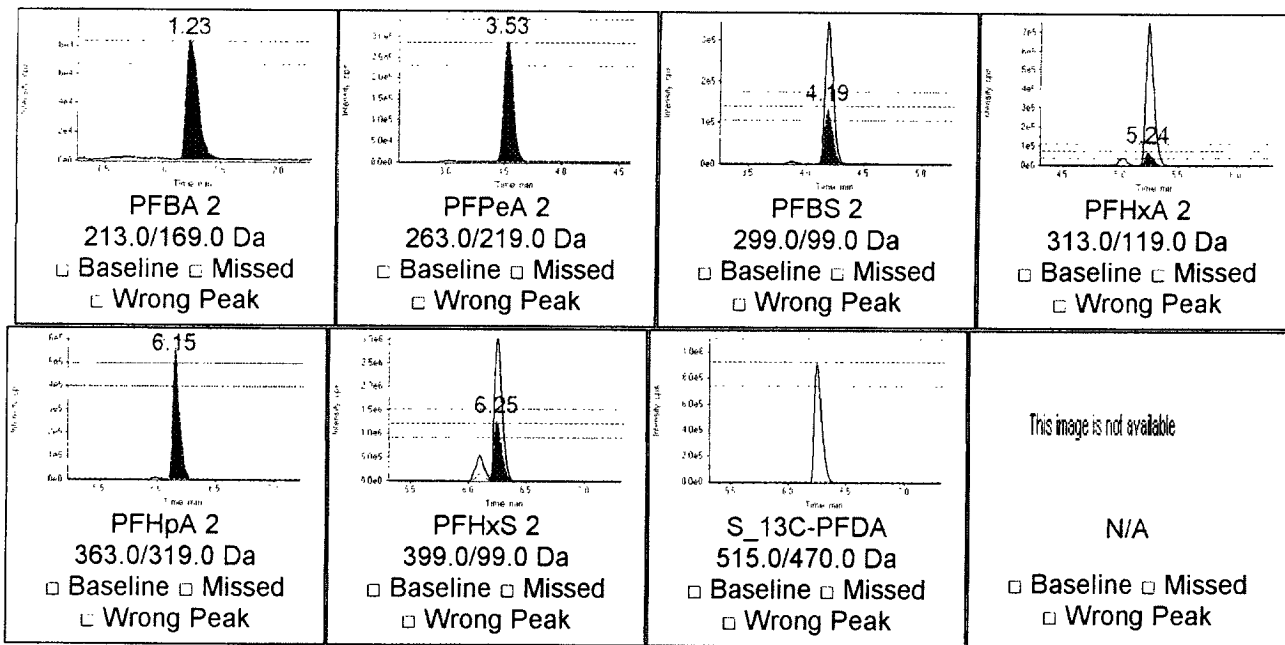
Quantitative Peak Review

K1001011-007


☐ Before ☐ After

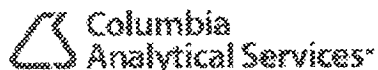
Ion Ratio Confirmation

K1001011-007



NB. PFBA and PFPeA do not have qualifying ion transitions.

☐ Before ☐ After



Project	Ewan's Projects\PFCs
Data File	021710\SamplesLong.wiff
Result Table	021710long.rdb
Instrument Name	API 5000

Sample Name	K1001011-008	Injection Volume	5
Acquisition Date	2/17/2010 9:01:32 PM	Sample Type	Unknown
Acquisition Method	PFCkinetexLong.dam	Dilution Factor	1.00
Injection Vial	32	Weight to Volume	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFOA 1	13C-PFOA	4647000	1.21 (1.36)	14325	0.090	No
PFNA 1	13C-PFNA	2994300	1.94 (2.06)	25104	0.111	No
PFOS 1	13C-PFOS	8178800	2.00 (2.09)	121880	0.154	No
PFDA 1	13C-PFDA	3090100	3.03 (3.06)	42135	0.124	No
PFUnA 1	13C-PFUnA	138370	0.00 (4.06)	0	N/A	No
PFDS 1	13C-PFOS	8178800	3.84 (3.87)	89312	0.113	No
PFDaA 1	13C-PFDaA	214500	4.52 (4.55)	31849	0.253	No
PFTra 1	13C-PFDaA	214500	5.03 (5.06)	18331	0.049	No
PFTeA 1	13C-PFDaA	214500	5.48 (5.51)	10051	0.081	No

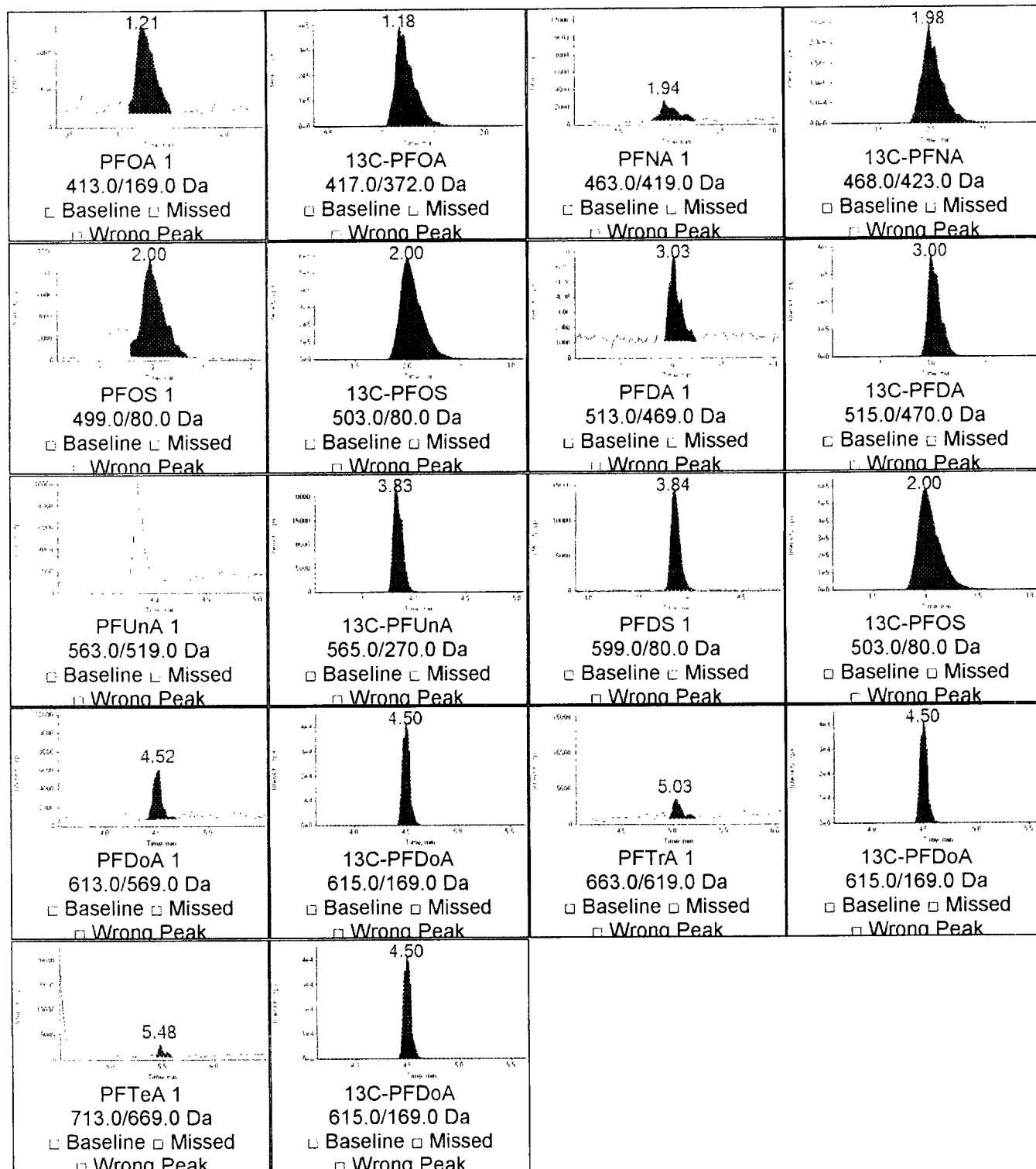
2/17/10
ETS
2/18/10

IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFOA 2	1.16 (1.36)	20062	No	1.40 (2.16)	No
S_13C_PFOA	1.18 (1.36)	4647000	No	324.40 (43.19)	No
PFNA 2	1.97 (2.08)	7612	No	0.30 (0.34)	YES
S_13C_PFNA	0.00 (2.44)	0	No	0.00 (0.00)	No
PFOS 2	1.99 (2.12)	42672	No	0.35 (0.32)	YES
S_13C-PFOS	2.00 (2.00)	8178800	No	67.11 (21.71)	No
PFDA 2	3.00 (3.06)	6068	No	0.14 (0.14)	YES
S_13C-PFDA	3.00 (3.04)	3090100	No	73.34 (17.53)	No
PFUnA 2	3.86 (3.88)	11006	No	0.00 (0.19)	No
S_13C-PFUnA	3.83 (3.88)	138370	No	0.00 (1.60)	No
PFDS 2	3.84 (3.87)	26821	No	0.30 (0.32)	YES
PFDaA 2	4.48 (4.53)	8926	No	0.28 (0.28)	YES
S_13C-PFDaA	4.50 (4.64)	214500	No	6.73 (3.71)	No
PFTra 2	5.02 (5.13)	3543	No	0.19 (0.34)	No
PFTeA 2	5.49 (5.56)	2113	No	0.21 (0.29)	No

Quantitative Peak Review

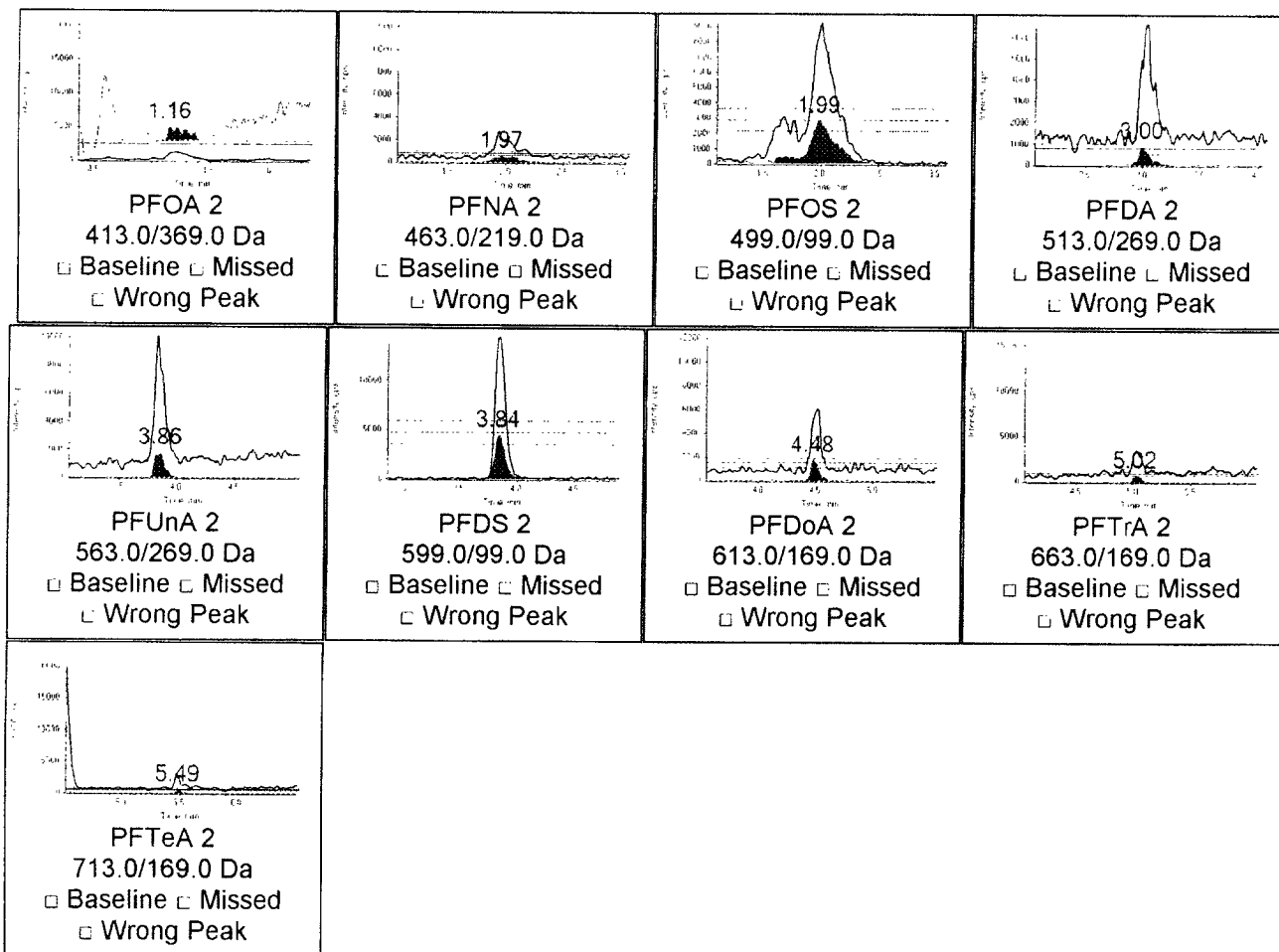
K1001011-008

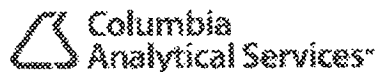


☐ Before ☐ After

Ion Ratio Confirmation

K1001011-008

☐ Before ☐ After



Project	Ewan's Projects\PFCs
Data File	021710\SamplesShort.wiff
Result Table	021710short.rdb
Instrument Name	API 5000

Sample Name	K1001011-008	Injection Volume	5
Acquisition Date	2/18/2010 3:16:09 AM	Sample Type	Unknown
Acquisition Method	PFCKinetexShort.dam	Dilution Factor	1.00
Injection Vial	32	Weight to Volume	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFBA 1	13C-PFBA	5709700	1.24 (1.27)	834270	1.33	No
PFPeA 1	13C-PFHxA	7020500	3.54 (3.60)	446160	0.66	No
PFBS 1	18O-PFHS	3812500	4.20 (4.26)	51257	0.06	No
PFHxA 1	13C-PFHxA	7020500	5.24 (5.31)	175480	0.19	No
PFHpA 1	13C-PFHxA	7020500	6.17 (6.23)	30008	0.06	No
PFHxS 1	18O-PFHS	3812500	6.25 (6.32)	91124	0.06	No
S_18O-PFHS	13C-PFDA	3991000	6.25 (6.31)	3812500	1.18	No
S_13C-PFDA	13C-PFDA	3991000	7.57 (7.65)	3991000	1.00	No

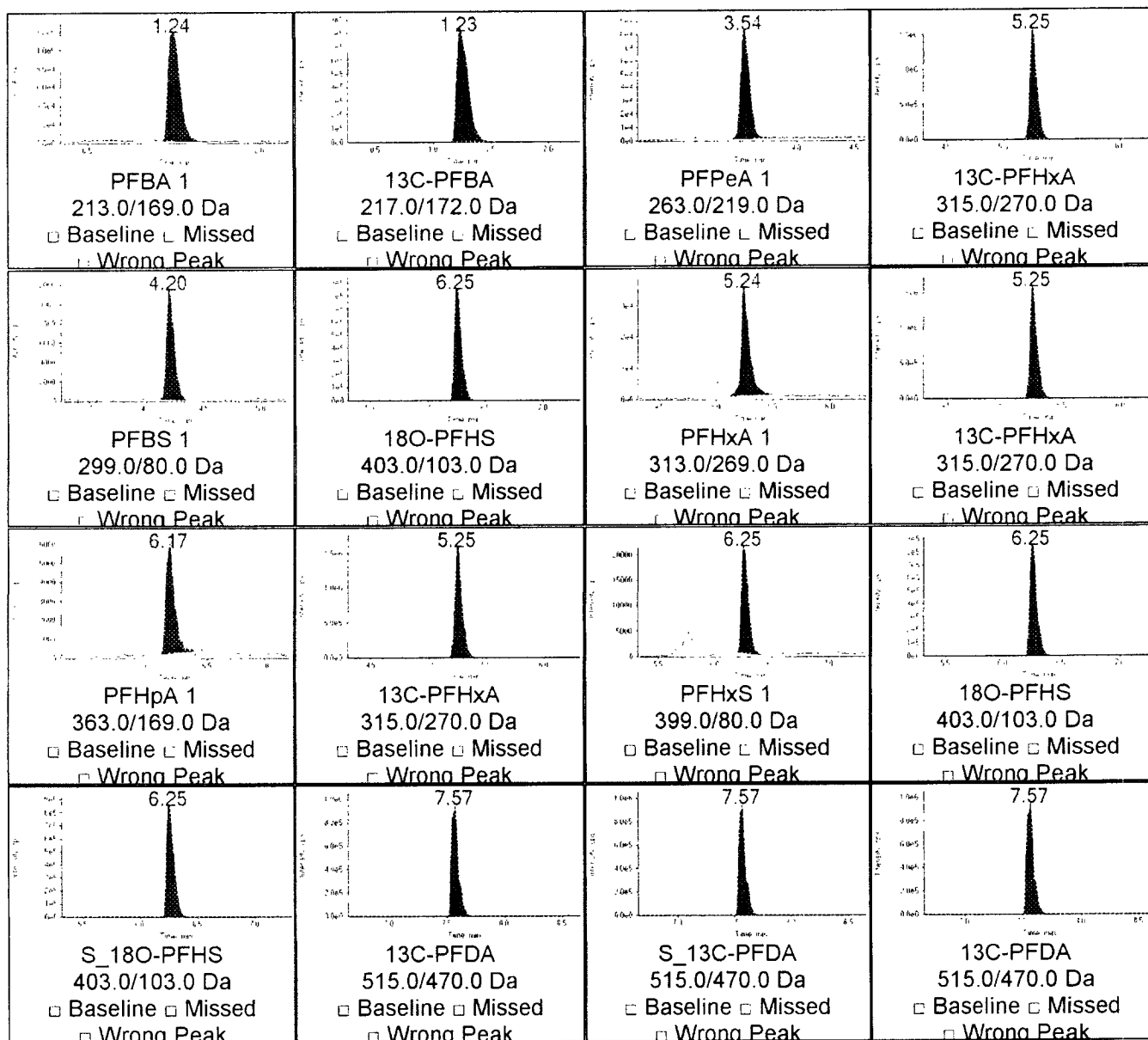
*2/19/10
IFS
2/18/10

IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFBA 2	1.24 (1.27)	834270	No	1.00 (1.00)	YES
PFPeA 2	3.54 (3.60)	446160	No	1.00 (1.00)	YES
PFBS 2	4.19 (4.26)	18188	No	0.35 (0.40)	YES
PFHxA 2	5.25 (5.31)	17312	No	0.10 (0.10)	YES
PFHpA 2	6.17 (6.22)	86426	No	2.88 (2.90)	YES
PFHxS 2	6.25 (6.32)	35546	No	0.39 (0.40)	YES
S_13C-PFBA	1.23 (1.26)	5709700	No	6.84 (13.20)	No
S_13C-PFHxA	5.25 (5.30)	7020500	No	40.01 (13.71)	No

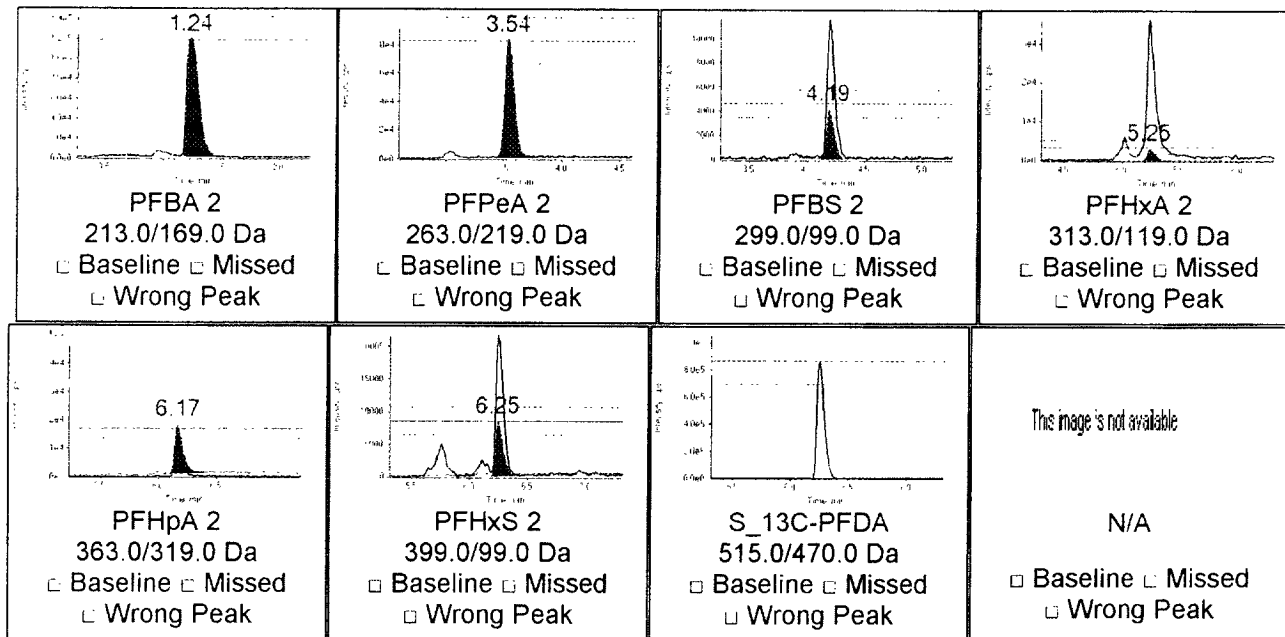
Quantitative Peak Review

K1001011-008

☐ Before ☐ After

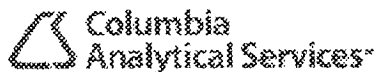
Ion Ratio Confirmation

K1001011-008



NB. PFBA and PFPeA do not have qualifying ion transitions.

☐ Before ☐ After



Project	Ewan's Projects\PFCs
Data File	021710\SamplesLong.wiff
Result Table	021710long.rdb
Instrument Name	API 5000

Sample Name	K1001011-009	Injection Volume	5
Acquisition Date	2/17/2010 9:09:05 PM	Sample Type	Unknown
Acquisition Method	PFCKinetexLong.dam	Dilution Factor	1.00
Injection Vial	33	Weight to Volume	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFOA 1	13C-PFOA	4349300	1.26 (1.36)	342940	1.580	No
PFNA 1	13C-PFNA	2971800	2.04 (2.06)	27925	0.121	No
PFOS 1	13C-PFOS	8394300	2.06 (2.09)	1035000	1.170	No
PFDA 1	13C-PFDA	3320900	3.05 (3.06)	31691	0.084	No
PFUnA 1	13C-PFUnA	144110	3.87 (4.06)	36253	0.209	No
PFDS 1	13C-PFOS	8394300	3.87 (3.87)	75841	0.097	No
PFDaA 1	13C-PFDaA	236750	4.49 (4.55)	23760	0.174	No
PFTra 1	13C-PFDaA	236750	5.05 (5.06)	12826	N/A	No
PFTeA 1	13C-PFDaA	236750	5.51 (5.51)	9011	0.045	No

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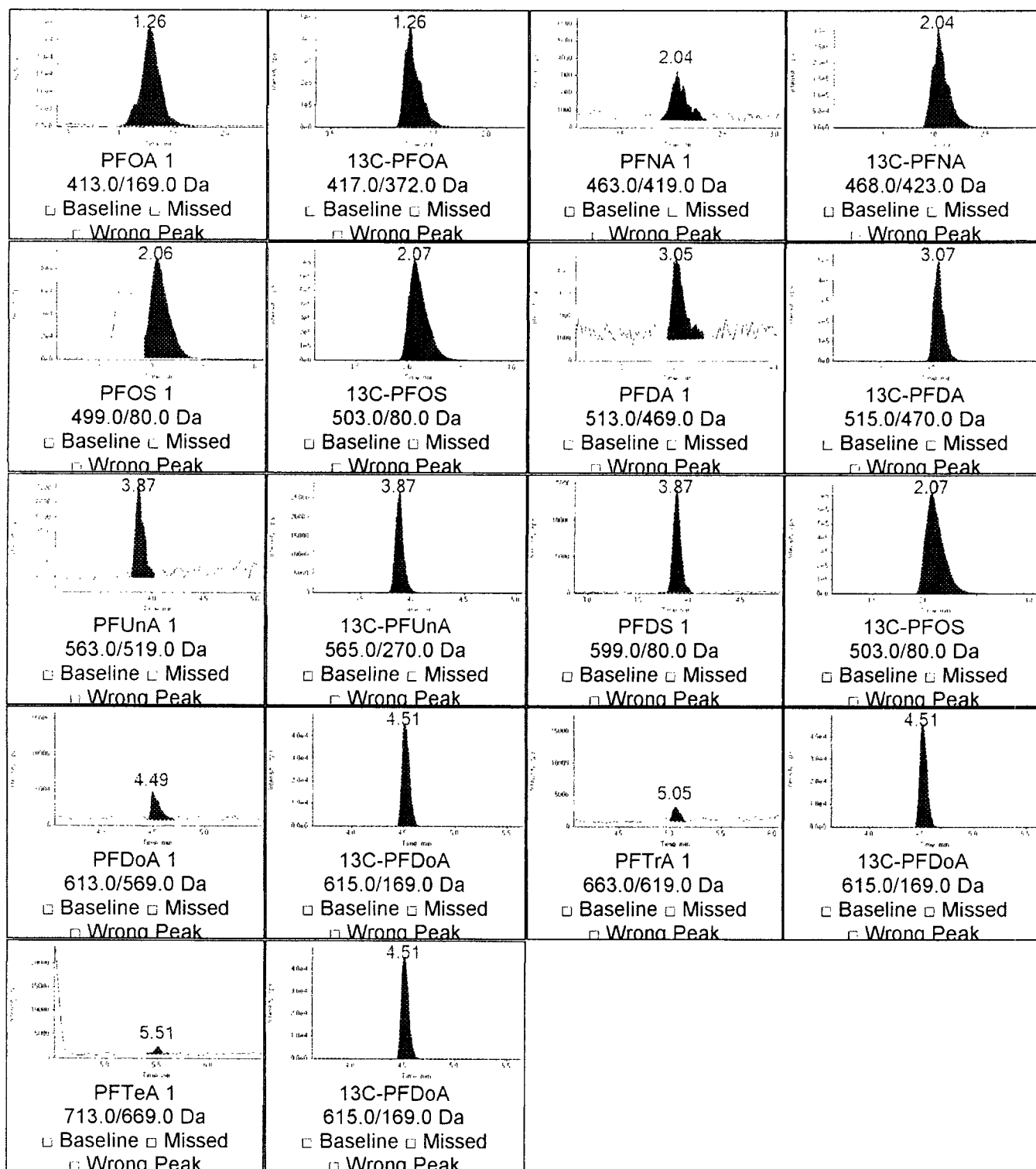
PFOS
2/18/10

IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFOA 2	1.25 (1.36)	618800	No	1.80 (2.16)	YES
S_13C_PFOA	1.26 (1.36)	4349300	No	12.68 (43.19)	No
PFNA 2	2.05 (2.08)	9231	No	0.33 (0.34)	YES
S_13C_PFNA	0.00 (2.44)	0	No	0.00 (0.00)	No
PFOS 2	2.06 (2.12)	336370	No	0.32 (0.32)	YES
S_13C-PFOS	2.07 (2.00)	8394300	No	8.11 (21.71)	No
PFDA 2	3.05 (3.06)	3070	No	0.10 (0.14)	YES
S_13C-PFDA	3.07 (3.04)	3320900	No	104.79 (17.53)	No
PFUnA 2	3.86 (3.88)	7407	No	0.20 (0.19)	YES
S_13C-PFUnA	3.87 (3.88)	144110	No	3.98 (1.60)	No
PFDS 2	3.87 (3.87)	25221	No	0.33 (0.32)	YES
PFDoA 2	4.50 (4.53)	6379	No	0.27 (0.28)	YES
S_13C-PFDoA	4.51 (4.64)	236750	No	9.96 (3.71)	No
PFTra 2	5.05 (5.13)	3090	No	0.24 (0.34)	No
PFTeA 2	5.50 (5.56)	2379	No	0.26 (0.29)	YES

Quantitative Peak Review

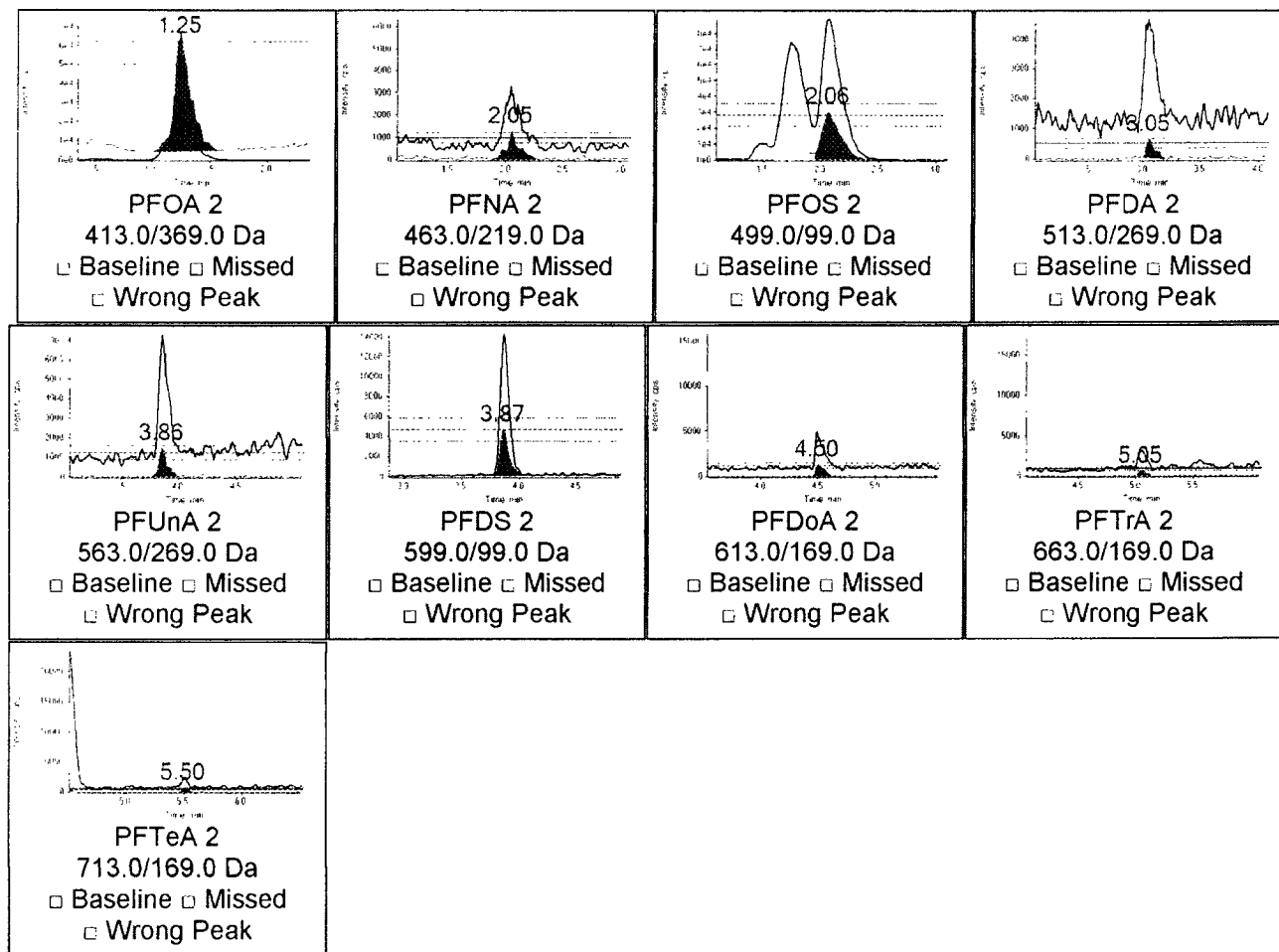
K1001011-009



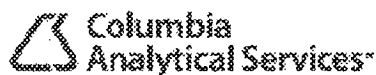
☐ Before ☐ After

Ion Ratio Confirmation

K1001011-009



☐ Before ☐ After



Project	Ewan's Projects\PFCs
Data File	021710\SamplesShort.wiff
Result Table	021710short.rdb
Instrument Name	API 5000

Sample Name	K1001011-009	Injection Volume	5
Acquisition Date	2/18/2010 3:25:43 AM	Sample Type	Unknown
Acquisition Method	PFCkinetexShort.dam	Dilution Factor	1.00
Injection Vial	33	Weight to Volume	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFBA 1	13C-PFBA	5305500	1.22 (1.27)	176570	0.26	No
PFPeA 1	13C-PFHxA	6678100	3.53 (3.60)	477230	0.74	No
PFBS 1	18O-PFHS	4186200	4.20 (4.26)	449130	0.32	No
PFHxA 1	13C-PFHxA	6678100	5.24 (5.31)	691860	0.96	No
PFHpA 1	13C-PFHxA	6678100	6.16 (6.23)	160730	0.62	No
PFHxS 1	18O-PFHS	4186200	6.25 (6.32)	2087100	1.50	No
S_18O-PFHS	13C-PFDA	4326800	6.25 (6.31)	4186200	1.20	No
S_13C-PFDA	13C-PFDA	4326800	7.57 (7.65)	4326800	1.00	No

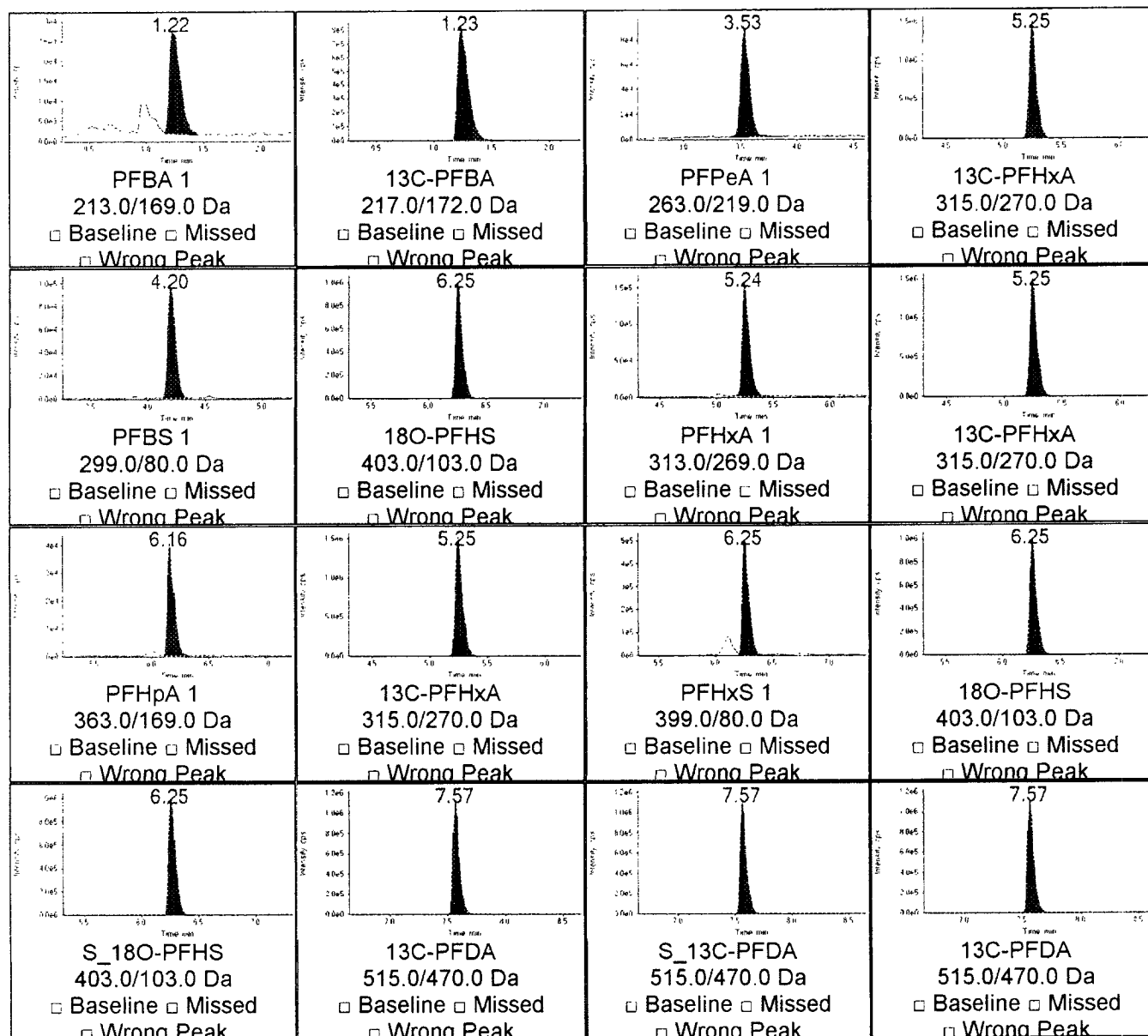
2/19/10
ECS
2/18/10

IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFBA 2	1.22 (1.27)	176570	No	1.00 (1.00)	YES
PFPeA 2	3.53 (3.60)	477230	No	1.00 (1.00)	YES
PFBS 2	4.20 (4.26)	168740	No	0.38 (0.40)	YES
PFHxA 2	5.24 (5.31)	61577	No	0.09 (0.10)	YES
PFHpA 2	6.16 (6.22)	472420	No	2.94 (2.90)	YES
PFHxS 2	6.25 (6.32)	818380	No	0.39 (0.40)	YES
S_13C-PFBA	1.23 (1.26)	5305500	No	30.05 (13.20)	No
S_13C-PFHxA	5.25 (5.30)	6678100	No	9.65 (13.71)	No

Quantitative Peak Review

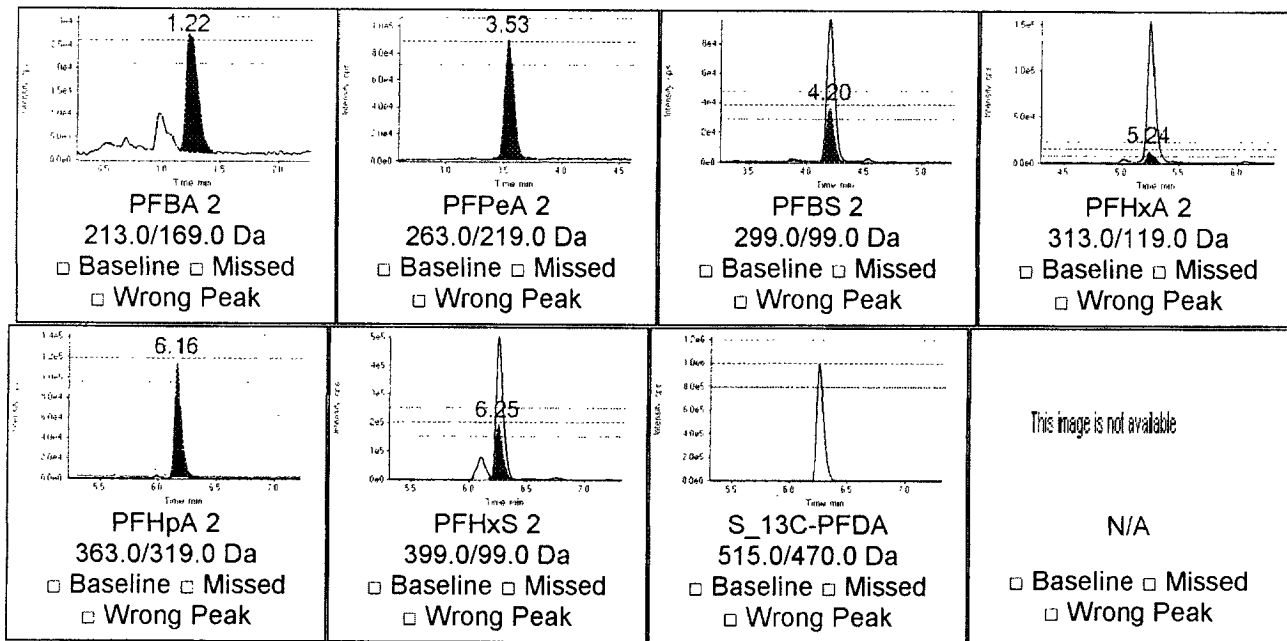
K1001011-009



☐ Before ☐ After

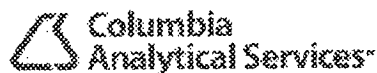
Ion Ratio Confirmation

K1001011-009



NB. PFBA and PFPeA do not have qualifying ion transitions.

☐ Before ☐ After



Project	Ewan's Projects\PFCs
Data File	021710\SamplesLong.wiff
Result Table	021710long.rdb
Instrument Name	API 5000

Sample Name	K1001011-010	Injection Volume	5
Acquisition Date	2/17/2010 9:16:38 PM	Sample Type	Unknown
Acquisition Method	PFCkinetexLong.dam	Dilution Factor	1.00
Injection Vial	34	Weight to Volume	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFOA 1	13C-PFOA	4380800	1.19 (1.36)	3426	0.044	No
PFNA 1	13C-PFNA	2895200	0.00 (2.06)	0	N/A	No
PFOS 1	13C-PFOS	7862300	2.01 (2.09)	21458	0.041	No
PFDA 1	13C-PFDA	3007600	2.99 (3.06)	12311	0.031 ND	No
PFUnA 1	13C-PFUnA	138820	3.88 (4.06)	11157	0.045 ND	No
PFDS 1	13C-PFOS	7862300	3.85 (3.87)	5049	0.026	No
PFDaA 1	13C-PFDaA	209670	0.00 (4.55)	0	N/A	No
PFTra 1	13C-PFDaA	209670	5.08 (5.06)	5662	N/A	No
PFTeA 1	13C-PFDaA	209670	5.36 (5.51)	4857	N/A	No

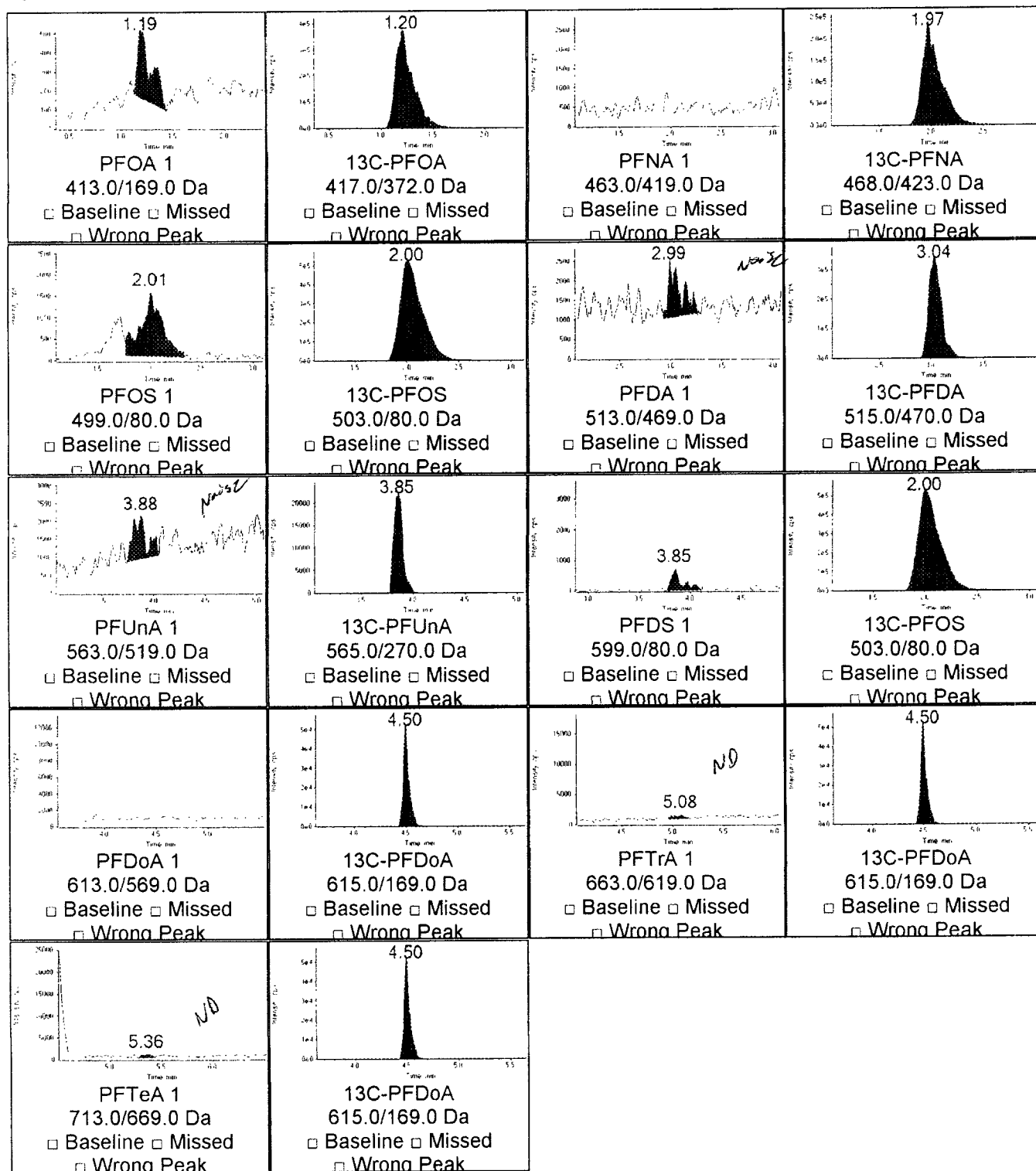
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EFS
2/18/10

IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFOA 2	1.57 (1.36)	2586	No	0.75 (2.16)	No
S_13C_PFOA	1.20 (1.36)	4380800	No	1278.58 (43.19)	No
PFNA 2	2.14 (2.08)	152	No	0.00 (0.34)	No
S_13C_PFNA	0.00 (2.44)	0	No	0.00 (0.00)	No
PFOS 2	2.14 (2.12)	574	No	0.03 (0.32)	No
S_13C-PFOS	2.00 (2.00)	7862300	No	366.40 (21.71)	No
PFDA 2	3.06 (3.06)	737	No	0.06 (0.14)	No
S_13C-PFDA	3.04 (3.04)	3007600	No	244.30 (17.53)	No
PFUnA 2	0.00 (3.88)	0	No	0.00 (0.19)	No
S_13C-PFUnA	3.85 (3.88)	138820	No	12.44 (1.60)	No
PFDS 2	0.00 (3.87)	0	No	0.00 (0.32)	No
PFDaA 2	0.00 (4.53)	0	No	0.00 (0.28)	No
S_13C-PFDaA	4.50 (4.64)	209670	No	0.00 (3.71)	No
PFTra 2	5.02 (5.13)	424	No	0.07 (0.34)	No
PFTeA 2	5.50 (5.56)	359	No	0.07 (0.29)	No

Quantitative Peak Review

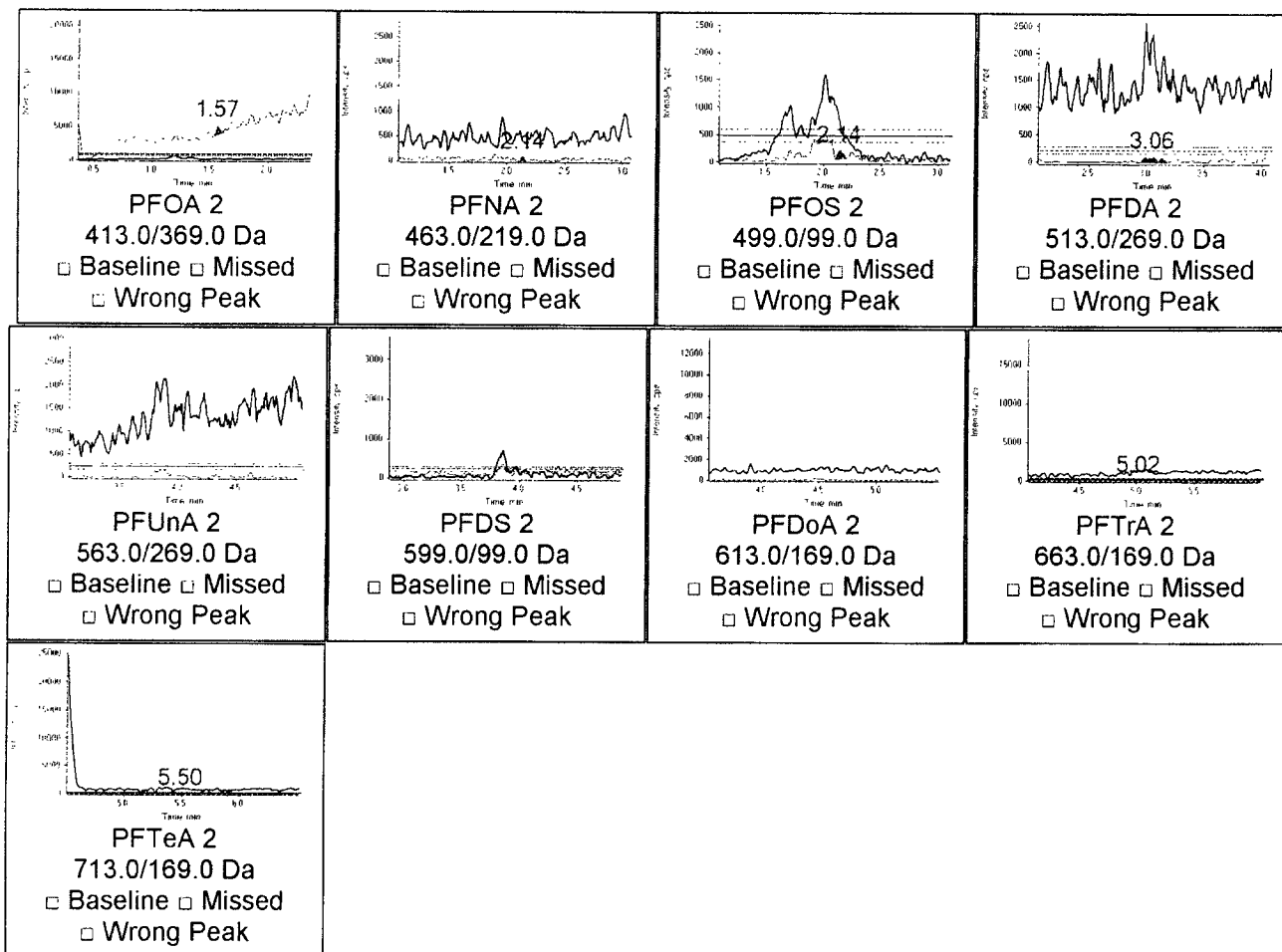
K1001011-010



☐ Before ☐ After

Ion Ratio Confirmation

K1001011-010

☐ Before ☐ After

Project	Ewan's Projects\PFCs
Data File	021710\SamplesShort.wiff
Result Table	021710short.rdb
Instrument Name	API 5000

Sample Name	K1001011-010	Injection Volume	5
Acquisition Date	2/18/2010 3:35:15 AM	Sample Type	Unknown
Acquisition Method	PFCKinetexShort.dam	Dilution Factor	1.00
Injection Vial	34	Weight to Volume	0.00

Results Summary

Analyte Peak Name	IS Name	IS Area	Analyte RT (Exp RT)	Analyte Area	Calc. Conc (ng/mL)	Modified?
PFBA 1	13C-PFBA	5107100	1.23 (1.27)	56395	0.04	No
PFPeA 1	13C-PFHxA	6588200	3.54 (3.60)	31211	0.04	No
PFBS 1	18O-PFHS	4088400	0.00 (4.26)	0	N/A	No
PFHxA 1	13C-PFHxA	6588200	5.25 (5.31)	52290	0.02	No
PFHpA 1	13C-PFHxA	6588200	6.17 (6.23)	15278	0.01	No
PFHxS 1	18O-PFHS	4088400	6.27 (6.32)	47817	0.02	No
S_18O-PFHS	13C-PFDA	4282000	6.26 (6.31)	4088400	1.18	No
S_13C-PFDA	13C-PFDA	4282000	7.56 (7.65)	4282000	1.00	No

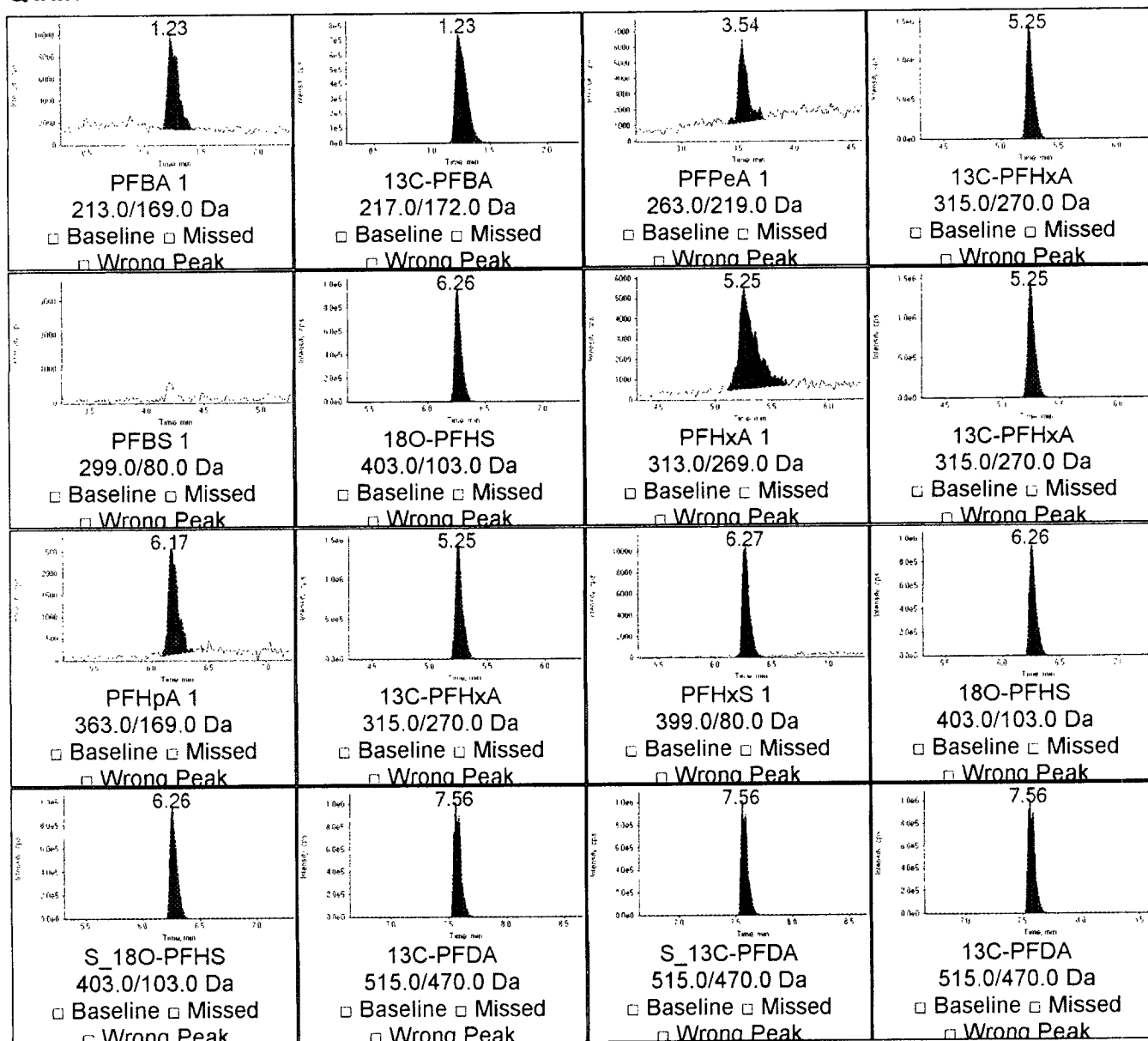
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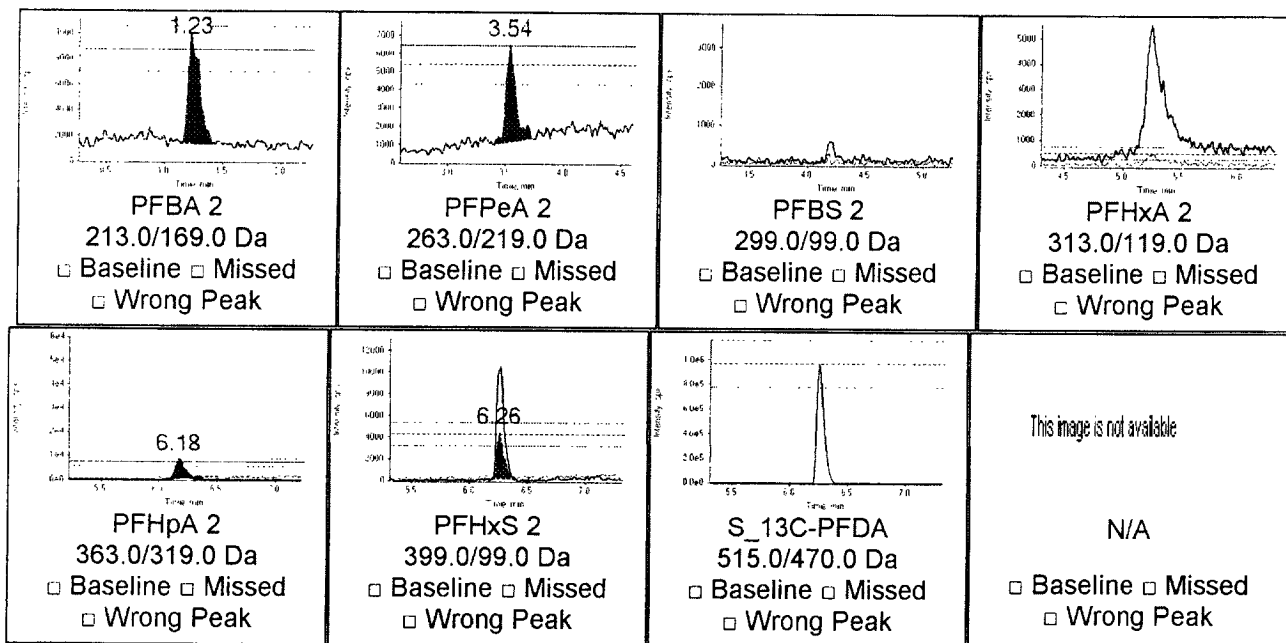
IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFBA 2	1.23 (1.27)	56395	No	1.00 (1.00)	YES
PFPeA 2	3.54 (3.60)	31211	No	1.00 (1.00)	YES
PFBS 2	0.00 (4.26)	0	No	0.00 (0.40)	No
PFHxA 2	0.00 (5.31)	0	No	0.00 (0.10)	No
PFHpA 2	6.18 (6.22)	51983	No	3.40 (2.90)	YES
PFHxS 2	6.26 (6.32)	18742	No	0.39 (0.40)	YES
S_13C-PFBA	1.23 (1.26)	5107100	No	90.56 (13.20)	No
S_13C-PFHxA	5.25 (5.30)	6588200	No	125.99 (13.71)	No

Quantitative Peak Review

K1001011-010

☐ Before ☐ After

Ion Ratio Confirmation
K1001011-010


NB. PFBA and PFPeA do not have qualifying ion transitions.

☐ Before ☐ After