Created with Analyst Reporter
Printed: 15/02/2010 2:34:00 PM

Columbia Analytical Services

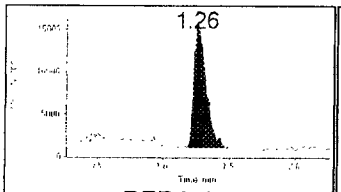
IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFBA 2	1.26 (1.27)	93304	No	1.00 (1.00)	YES
PFPeA 2	3.59 (3.60)	41237	No	1.00 (1.00)	YES
PFBS 2	4.23 (4.26)	5630	No	0.44 (0.40)	YES
PFHxA 2	0.00 (5.31)	0	No	0.00 (0.10)	No < MRL
PFHpA 2	6.23 (6.22)	137320	No	8.01 (3.03)	No ↓
PFHxS 2	6.31 (6.32)	18961	No	0.34 (0.40)	YES
S_13C-PFBA	1.26 (1.26)	4107400	No	44.02 (13.55)	No
S_13C-PFHxA	5.30 (5.30)	5157600	No	78.79 (13.06)	No

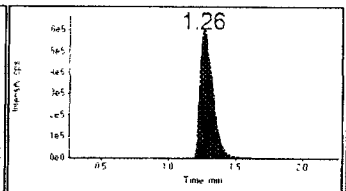
Columbia Analytical Services

Quantitative Peak Review

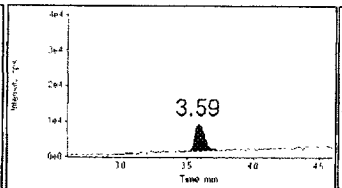
K1000968-017



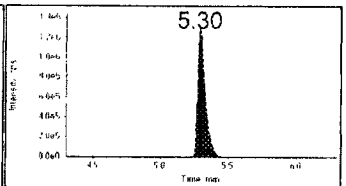
PFBA 1
213.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



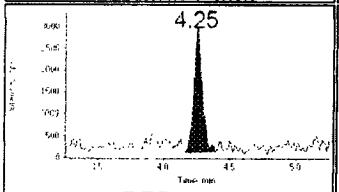
13C-PFBA
217.0/172.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



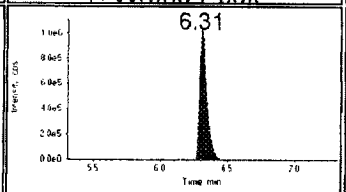
PFPeA 1
263.0/219.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



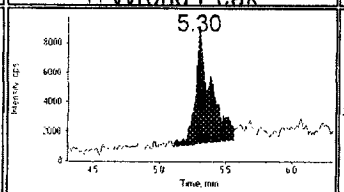
13C-PFHxA
315.0/270.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



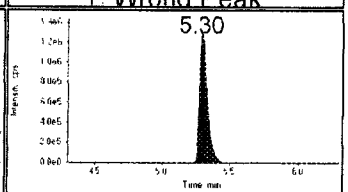
PFBS 1
299.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



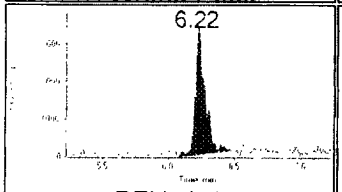
18O-PFHS
403.0/103.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



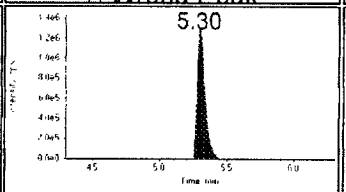
PFHxA 1
313.0/269.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



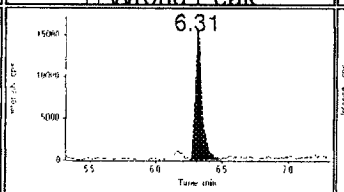
13C-PFHxA
315.0/270.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



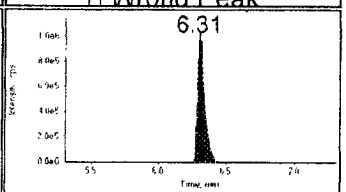
PFHpA 1
363.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



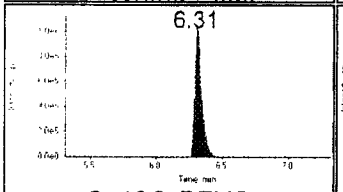
13C-PFHxA
315.0/270.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



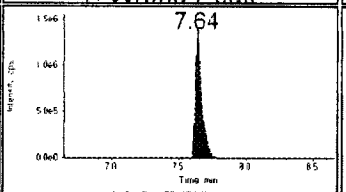
PFHxS 1
399.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



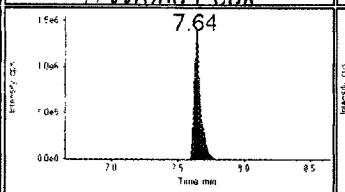
18O-PFHS
403.0/103.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



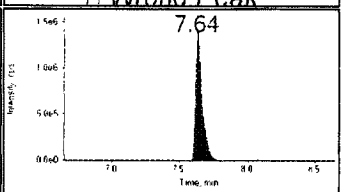
S_18O-PFHS
403.0/103.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



13C-PFDA
515.0/470.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



S_13C-PFDA
515.0/470.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

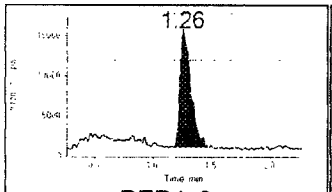
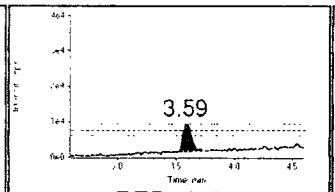
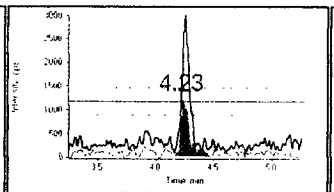
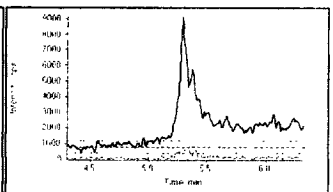
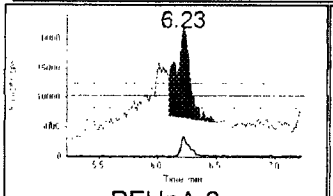
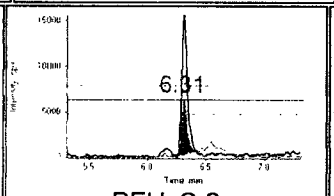
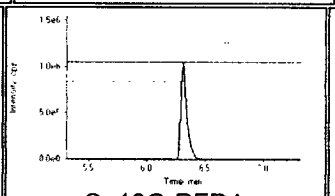


13C-PFDA
515.0/470.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

☐ Before ☐ After

Columbia Analytical Services

Ion Ratio Confirmation K1000968-017

 PFBA 2 213.0/169.0 Da □ Baseline □ Missed □ Wrong Peak	 PFPeA 2 263.0/219.0 Da □ Baseline □ Missed □ Wrong Peak	 PFBS 2 299.0/99.0 Da □ Baseline □ Missed □ Wrong Peak	 PFHxA 2 313.0/119.0 Da □ Baseline □ Missed □ Wrong Peak
 PFHpA 2 363.0/319.0 Da □ Baseline □ Missed □ Wrong Peak	 PFHxS 2 399.0/99.0 Da □ Baseline □ Missed □ Wrong Peak	 S_13C-PFDA 515.0/470.0 Da □ Baseline □ Missed □ Wrong Peak	This image is not available N/A □ Baseline □ Missed □ Wrong Peak

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

☐ Before ☐ After

Columbia Analytical Services

Project	Ewan's Projects\PFCs
Data File	020810b\SamplesLong.wiff
Result Table	020810SamplesLong.rdb
Instrument Name	API 5000

Sample Name	K1000968-018	**Injection Volume**	5
Acquisition Date	2/9/2010 2:19:16 AM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexLong.dam	**Dilution Factor**	1.00
Injection Vial	38	**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	3740600	1.39 (1.36)	204510	1.160	No
PFNA 1	13C-PFNA	2531700	2.34 (2.42)	121810	0.444	No
PFOS 1	13C-PFOS	5534200	2.39 (2.53)	1379100	2.350	No
PFDA 1	13C-PFDA	2563900	3.32 (3.34)	17747	0.095	No
PFUnA 1	13C-PFUnA	106220	4.13 (4.06)	10187	0.080	No
PFDS 1	13C-PFOS	5534200	4.13 (4.10)	32080	0.070	No
PFDoA 1	13C-PFDoA	127120	4.76 (4.63)	11235	0.128	No
PFTrA 1	13C-PFDoA	127120	5.29 (5.14)	4872	0.072	No
PFTeA 1	13C-PFDoA	127120	5.74 (5.74)	4416	0.132	No

2/16/10

EFS

EFS 2/14

2/14/10

Columbia Analytical Services

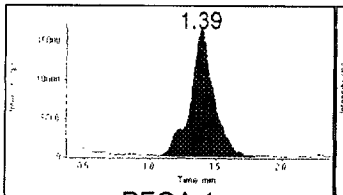
IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFOA 2	1.39 (1.36)	424560	No	2.08 (2.38)	YES
S_13C_PFOA	1.39 (1.36)	3740600	No	18.29 (50.17)	No
PFNA 2	2.33 (2.44)	35462	No	0.29 (0.28)	YES
S_13C_PFNA	2.35 (2.44)	2531700	No	20.78 (19.17)	YES
PFOS 2	2.39 (2.53)	467800	No	0.34 (0.32)	YES
S_13C-PFOS	2.37 (2.53)	5534200	No	4.01 (22.53)	No
PFDA 2	0.00 (3.34)	0	No	0.00 (0.15)	No
S_13C-PFDA	3.35 (3.34)	2563900	No	144.47 (22.10)	No
PFUnA 2	4.12 (4.06)	3138	No	0.31 (0.22)	No
S_13C-PFUnA	4.13 (4.06)	106220	No	10.43 (1.86)	No
PFDS 2	4.14 (4.10)	9579	No	0.30 (0.32)	YES
PFDoA 2	4.76 (4.64)	5337	No	0.48 (0.29)	No
S_13C-PFDoA	4.76 (4.64)	127120	No	11.31 (3.08)	No
PFTrA 2	5.29 (5.13)	1608	No	0.33 (0.32)	YES
PFTeA 2	5.75 (5.56)	1145	No	0.26 (0.36)	No

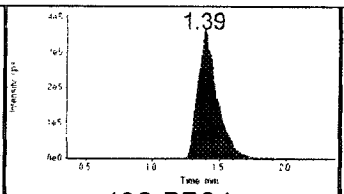
Columbia Analytical Services

Quantitative Peak Review

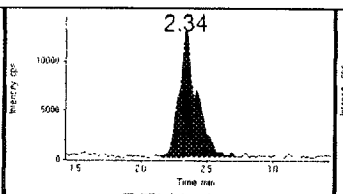
K1000968-018



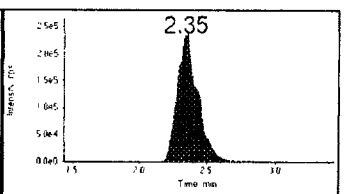
PFOA 1
413.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



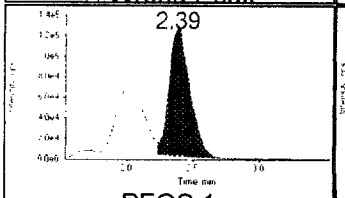
13C-PFOA
417.0/372.0 Da
□ Baseline □ Missed
□ Wrong Peak



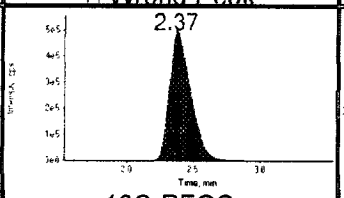
PFNA 1
463.0/419.0 Da
□ Baseline □ Missed
□ Wrong Peak



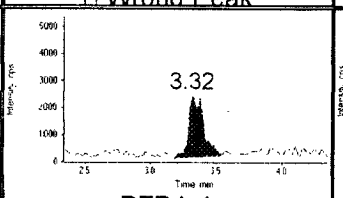
13C-PFNA
468.0/423.0 Da
□ Baseline □ Missed
□ Wrong Peak



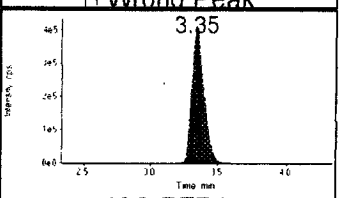
PFOS 1
499.0/80.0 Da
□ Baseline □ Missed
□ Wrong Peak



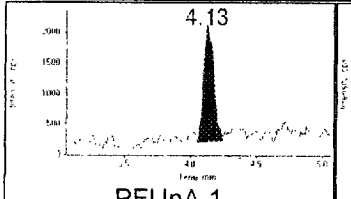
13C-PFOS
503.0/80.0 Da
□ Baseline □ Missed
□ Wrong Peak



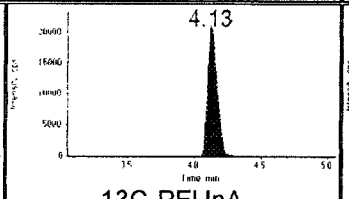
PFDA 1
513.0/469.0 Da
□ Baseline □ Missed
□ Wrong Peak



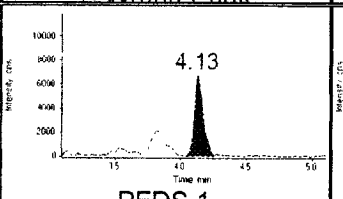
13C-PFDA
515.0/470.0 Da
□ Baseline □ Missed
□ Wrong Peak



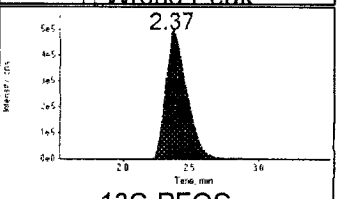
PFUnA 1
563.0/519.0 Da
□ Baseline □ Missed
□ Wrong Peak



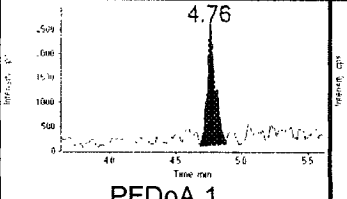
13C-PFUnA
565.0/270.0 Da
□ Baseline □ Missed
□ Wrong Peak



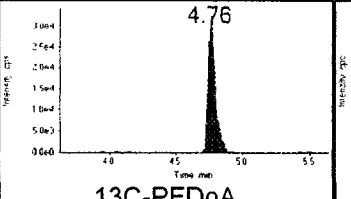
PFDS 1
599.0/80.0 Da
□ Baseline □ Missed
□ Wrong Peak



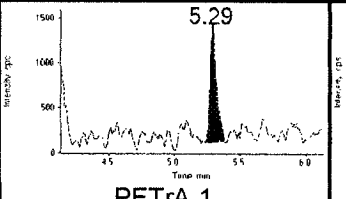
13C-PFOS
503.0/80.0 Da
□ Baseline □ Missed
□ Wrong Peak



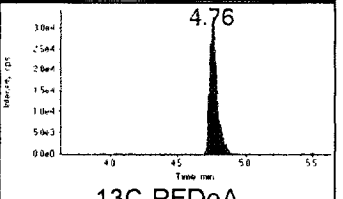
PFDoA 1
613.0/569.0 Da
□ Baseline □ Missed
□ Wrong Peak



13C-PFDoA
615.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFTrA 1
663.0/619.0 Da
□ Baseline □ Missed
□ Wrong Peak



13C-PFDoA
615.0/169.0 Da
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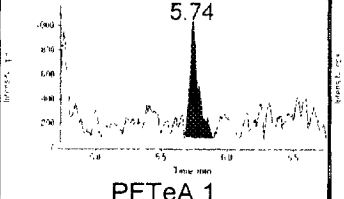
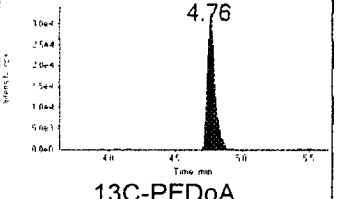
□ Wrong Peak



PFTeA 1
713.0/669.0 Da
□ Baseline □ Missed
□ Wrong Peak



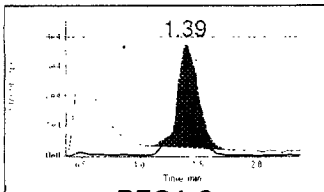
13C-PFDoA
615.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak

☐ Before ☐ After

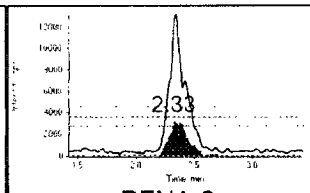
Columbia Analytical Services

Ion Ratio Confirmation

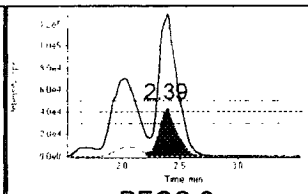
K1000968-018



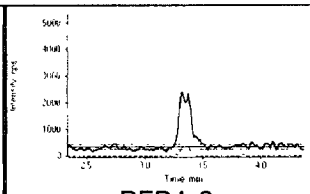
PFOA 2
413.0/369.0 Da
□ Baseline □ Missed
□ Wrong Peak



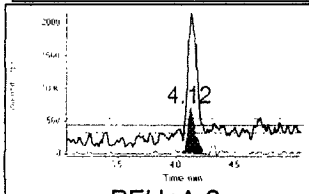
PFNA 2
463.0/219.0 Da
□ Baseline □ Missed
□ Wrong Peak



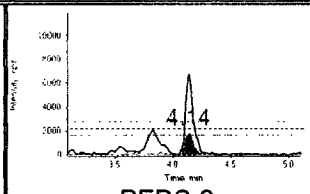
PFOS 2
499.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



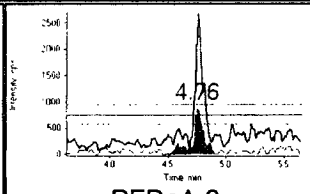
PFDA 2
513.0/269.0 Da
□ Baseline □ Missed
□ Wrong Peak



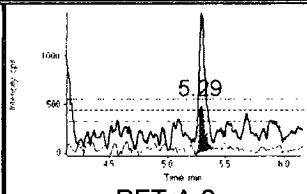
PFUnA 2
563.0/269.0 Da
□ Baseline □ Missed
□ Wrong Peak



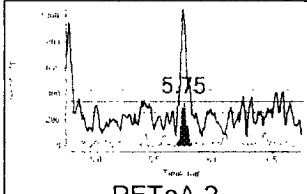
PFDS 2
599.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFDoA 2
613.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFTrA 2
663.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFTeA 2
713.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak

☐ Before ☐ After

Columbia Analytical Services

Created with Analyst Reporter
Printed: 15/02/2010 2:34:00 PM

Project	Ewan's Projects\PFCs
Data File	020810\SamplesShort.wiff
Result Table	020810SamplesShortedit.rdb
Instrument Name	API 5000

Sample Name	K1000968-018	**Injection Volume**	5
Acquisition Date	2/9/2010 1:37:27 PM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexShort.dam	**Dilution Factor**	1.00
Injection Vial	38	**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	1.27 (1.27)	307700	0.53	No
PFPeA 1	13C-PFHxA	6510200	3.58 (3.60)	585860	0.92	No
PFBS 1	18O-PFHS	3540400	4.25 (4.26)	255860	0.22	No
PFHxA 1	13C-PFHxA	6510200	5.30 (5.31)	550150	0.73	No
PFHpA 1	13C-PFHxA	6510200	6.21 (6.23)	181330	0.66	No
PFHxS 1	18O-PFHS	3540400	6.31 (6.32)	956260	0.80	No
S_18O-PFHS	13C-PFDA	4648100	6.31 (6.31)	3540400	0.86	No
S_13C-PFDA	13C-PFDA	4648100	7.64 (7.65)	4648100	1.00	No

2/16/10

2/15/10

Columbia Analytical Services

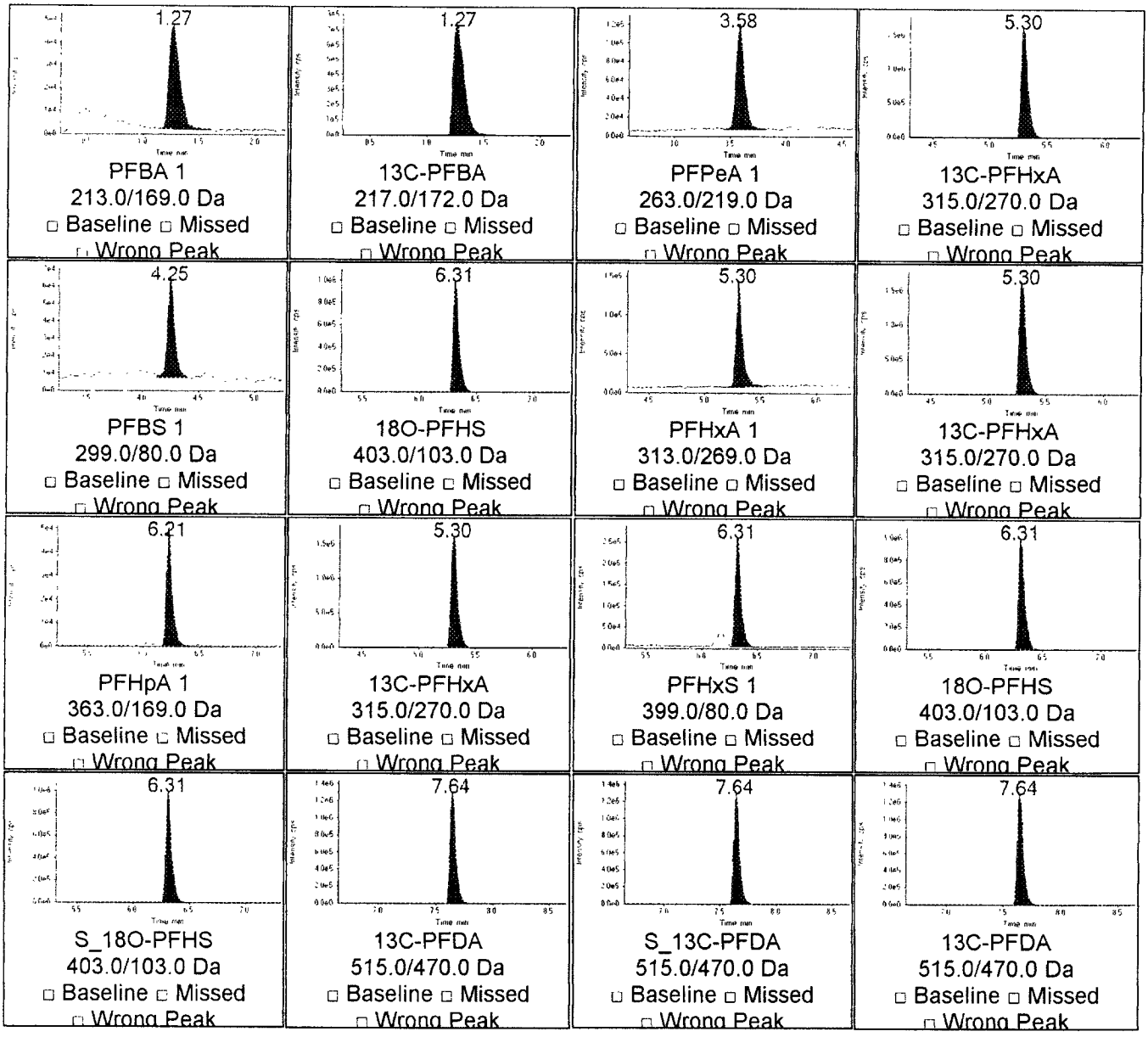
IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFBA 2	1.27 (1.27)	307700	No	1.00 (1.00)	YES
PFPeA 2	3.58 (3.60)	585860	No	1.00 (1.00)	YES
PFBS 2	4.25 (4.26)	90200	No	0.35 (0.40)	YES
PFHxA 2	5.30 (5.31)	47999	No	0.09 (0.10)	YES
PFHpA 2	6.21 (6.22)	521630	No	2.88 (3.03)	YES
PFHxS 2	6.31 (6.32)	354890	No	0.37 (0.40)	YES
S_13C-PFBA	1.27 (1.26)	4953300	No	16.10 (13.55)	YES
S_13C-PFHxA	5.30 (5.30)	6510200	No	11.83 (13.06)	YES

Columbia Analytical Services

Quantitative Peak Review

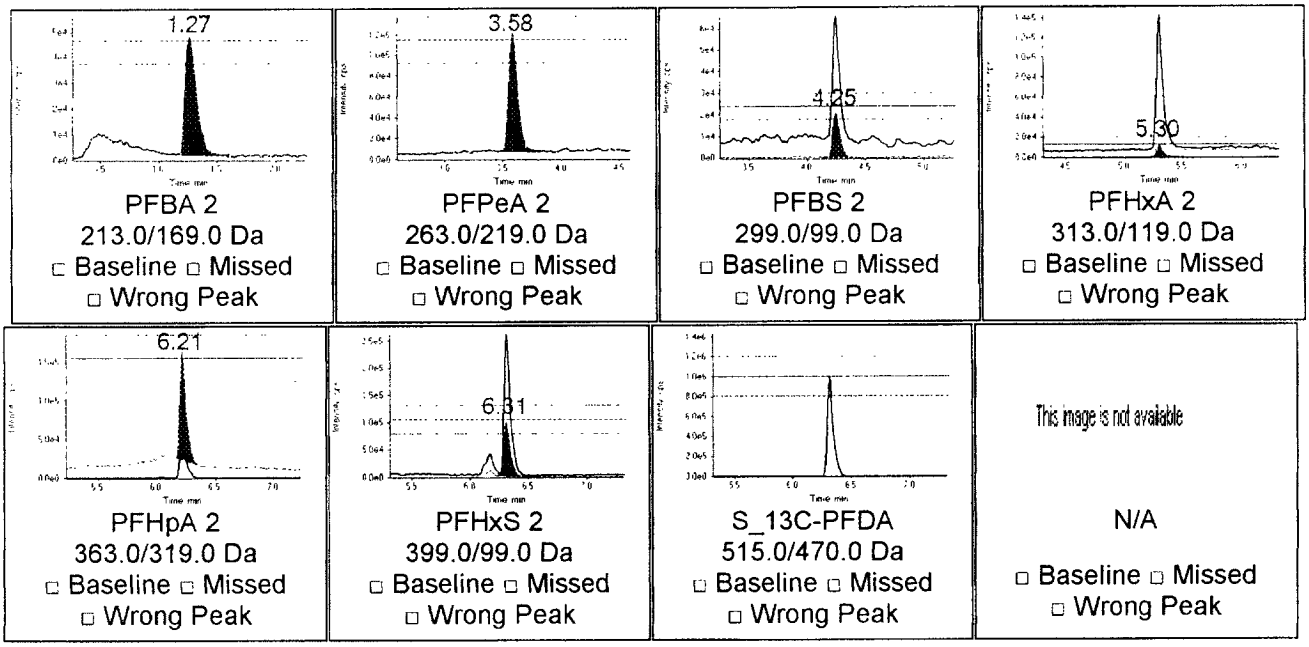
K1000968-018



☐ Before ☐ After

Ion Ratio Confirmation

K1000968-018



PFBA 2	PFPeA 2	PFBS 2	PFHxA 2
213.0/169.0 Da	263.0/219.0 Da	299.0/99.0 Da	313.0/119.0 Da
☐ Baseline ☐ Missed ☐ Wrong Peak	☐ Baseline ☐ Missed ☐ Wrong Peak	☐ Baseline ☐ Missed ☐ Wrong Peak	☐ Baseline ☐ Missed ☐ Wrong Peak

PFHpA 2	PFHxS 2	S_13C-PFDA	N/A
363.0/319.0 Da	399.0/99.0 Da	515.0/470.0 Da	
☐ Baseline ☐ Missed ☐ Wrong Peak	☐ Baseline ☐ Missed ☐ Wrong Peak	☐ Baseline ☐ Missed ☐ Wrong Peak	☐ Baseline ☐ Missed ☐ Wrong Peak

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

☐ Before ☐ After

Columbia Analytical Services

Created with Analyst Reporter
Printed: 14/02/2010 6:41:00 PM

Project	Ewan's Projects\PFCs
Data File	020810b\SamplesLong.wiff
Result Table	020810SamplesLong.rdb
Instrument Name	API 5000

Sample Name	K1000968-019	**Injection Volume**	5
Acquisition Date	2/9/2010 2:26:51 AM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexLong.dam	**Dilution Factor**	1.00
Injection Vial	39	**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	3256900	1.39 (1.36)	68424	0.467	No
PFNA 1	13C-PFNA	2443100	2.31 (2.42)	22506	0.104	No
PFOS 1	13C-PFOS	5310000	2.37 (2.53)	185890	0.343	No
PFDA 1	13C-PFDA	2398200	0.00 (3.34)	0	N/A	No
PFUnA 1	13C-PFUnA	92506	4.11 (4.06)	3162	0.014	No
PFDS 1	13C-PFOS	5310000	0.00 (4.10)	0	N/A	No
PFDoA 1	13C-PFDoA	111670	0.00 (4.63)	0	N/A	No
PFTrA 1	13C-PFDoA	111670	0.00 (5.14)	0	N/A	No
PFTeA 1	13C-PFDoA	111670	0.00 (5.74)	0	N/A	No

A 2/16/10

F-1-3

2/16/10

Columbia Analytical Services

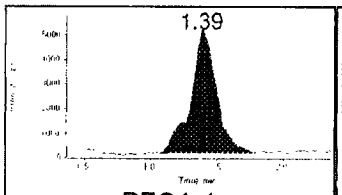
IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFOA 2	1.38 (1.36)	122260	No	1.79 (2.38)	No
S_13C_PFOA	1.39 (1.36)	3256900	No	47.60 (50.17)	YES
PFNA 2	2.27 (2.44)	5849	No	0.26 (0.28)	YES
S_13C_PFNA	2.34 (2.44)	2443100	No	108.55 (19.17)	No
PFOS 2	2.36 (2.53)	64832	No	0.35 (0.32)	YES
S_13C-PFOS	2.37 (2.53)	5310000	No	28.57 (22.53)	No
PFDA 2	0.00 (3.34)	0	No	0.00 (0.15)	No
S_13C-PFDA	3.34 (3.34)	2398200	No	0.00 (22.10)	No
PFUnA 2	0.00 (4.06)	0	No	0.00 (0.22)	No
S_13C-PFUnA	4.13 (4.06)	92506	No	29.25 (1.86)	No
PFDS 2	4.16 (4.10)	257	No	0.00 (0.32)	No
PFDoA 2	4.75 (4.64)	1472	No	0.00 (0.29)	No
S_13C-PFDoA	4.76 (4.64)	111670	No	0.00 (3.08)	No
PFTrA 2	5.26 (5.13)	383	No	0.00 (0.32)	No
PFTeA 2	5.61 (5.56)	272	No	0.00 (0.36)	No

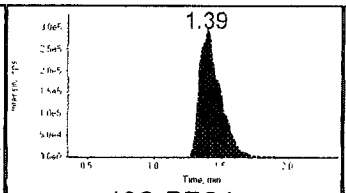
Columbia Analytical Services

Quantitative Peak Review

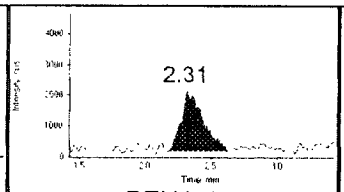
K1000968-019



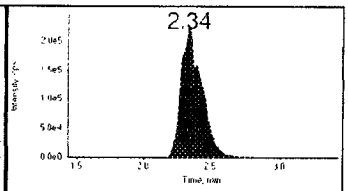
PFOA 1
413.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



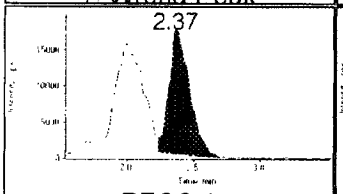
13C-PFOA
417.0/372.0 Da
□ Baseline □ Missed
□ Wrong Peak



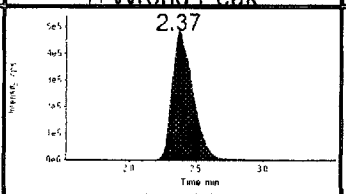
PFNA 1
463.0/419.0 Da
□ Baseline □ Missed
□ Wrong Peak



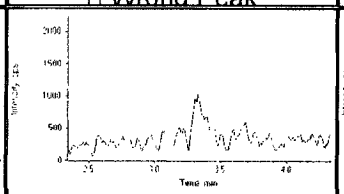
13C-PFNA
468.0/423.0 Da
□ Baseline □ Missed
□ Wrong Peak



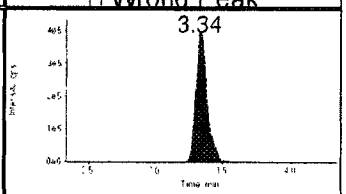
PFOS 1
499.0/80.0 Da
□ Baseline □ Missed
□ Wrong Peak



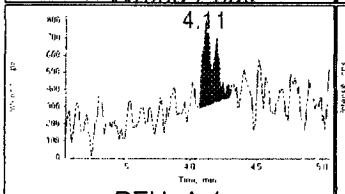
13C-PFOS
503.0/80.0 Da
□ Baseline □ Missed
□ Wrong Peak



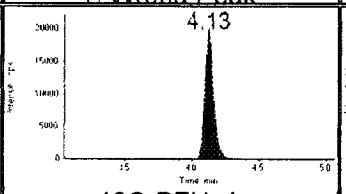
PFDA 1
513.0/469.0 Da
□ Baseline □ Missed
□ Wrong Peak



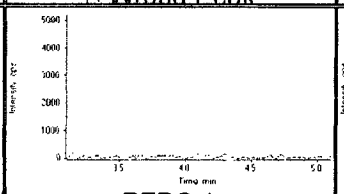
13C-PFDA
515.0/470.0 Da
□ Baseline □ Missed
□ Wrong Peak



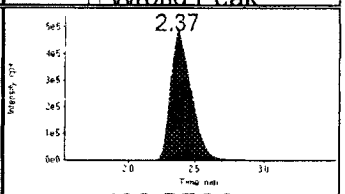
PFUnA 1
563.0/519.0 Da
□ Baseline □ Missed
□ Wrong Peak



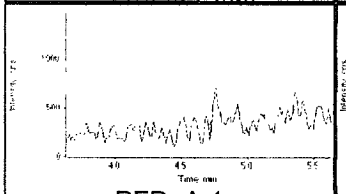
13C-PFUnA
565.0/270.0 Da
□ Baseline □ Missed
□ Wrong Peak



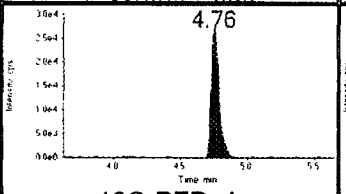
PFDS 1
599.0/80.0 Da
□ Baseline □ Missed
□ Wrong Peak



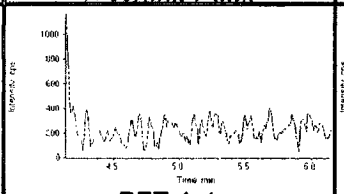
13C-PFOS
503.0/80.0 Da
□ Baseline □ Missed
□ Wrong Peak



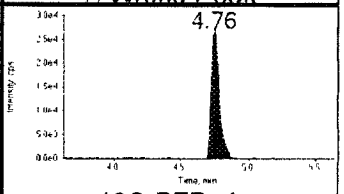
PFDoA 1
613.0/569.0 Da
□ Baseline □ Missed
□ Wrong Peak



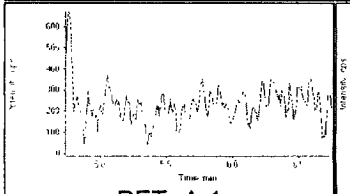
13C-PFDoA
615.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



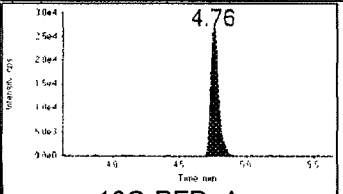
PFTrA 1
663.0/619.0 Da
□ Baseline □ Missed
□ Wrong Peak



13C-PFDoA
615.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFTeA 1
713.0/669.0 Da
□ Baseline □ Missed
□ Wrong Peak

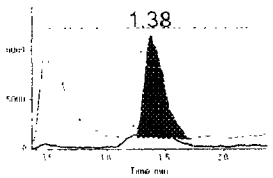


13C-PFDoA
615.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak

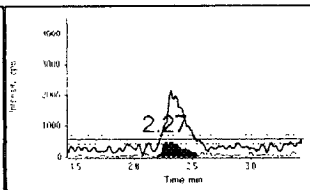
☐ Before ☐ After

Columbia Analytical Services

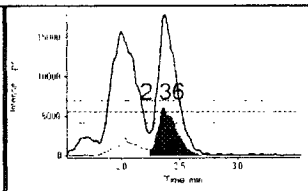
Ion Ratio Confirmation K1000968-019



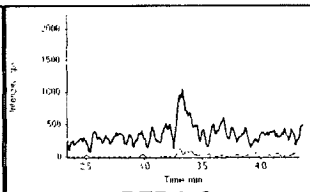
PFOA 2
413.0/369.0 Da
□ Baseline □ Missed
□ Wrong Peak



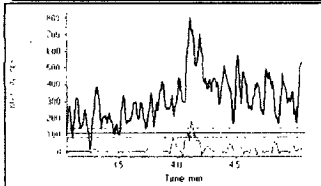
PFNA 2
463.0/219.0 Da
□ Baseline □ Missed
□ Wrong Peak



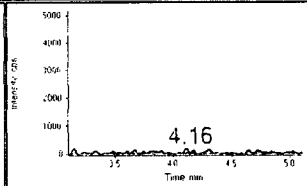
PFOS 2
499.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



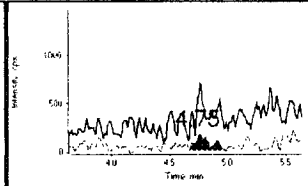
PFDA 2
513.0/269.0 Da
□ Baseline □ Missed
□ Wrong Peak



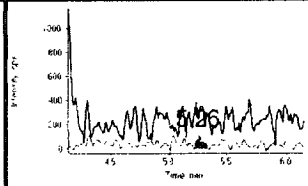
PFUnA 2
563.0/269.0 Da
□ Baseline □ Missed
□ Wrong Peak



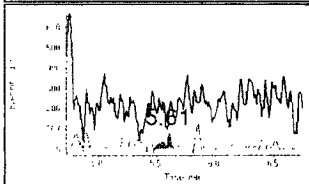
PFDS 2
599.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFDoA 2
613.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFTrA 2
663.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFTeA 2
713.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak

☐ Before ☐ After

Columbia Analytical Services

Project	Ewan's Projects\PFCs
Data File	020810\SamplesShort.wiff
Result Table	020810SamplesShortedit.rdb
Instrument Name	API 5000

Sample Name	K1000968-019	**Injection Volume**	5
Acquisition Date	2/9/2010 1:46:59 PM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexShort.dam	**Dilution Factor**	1.00
Injection Vial	39	**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	4490700	1.26 (1.27)	272410	0.52	No
PFPeA 1	13C-PFHxA	5824900	3.59 (3.60)	349050	0.61	No
PFBS 1	18O-PFHS	3314600	4.26 (4.26)	112670	0.11	No
PFHxA 1	13C-PFHxA	5824900	5.30 (5.31)	279050	0.39	No
PFHpA 1	13C-PFHxA	5824900	6.21 (6.23)	67408	0.24	No
PFHxS 1	18O-PFHS	3314600	6.31 (6.32)	299650	0.26	No
S_18O-PFHS	13C-PFDA	4305000	6.31 (6.31)	3314600	0.87	No
S_13C-PFDA	13C-PFDA	4305000	7.64 (7.65)	4305000	1.00	No

2/16/10

2/15/10

Columbia Analytical Services

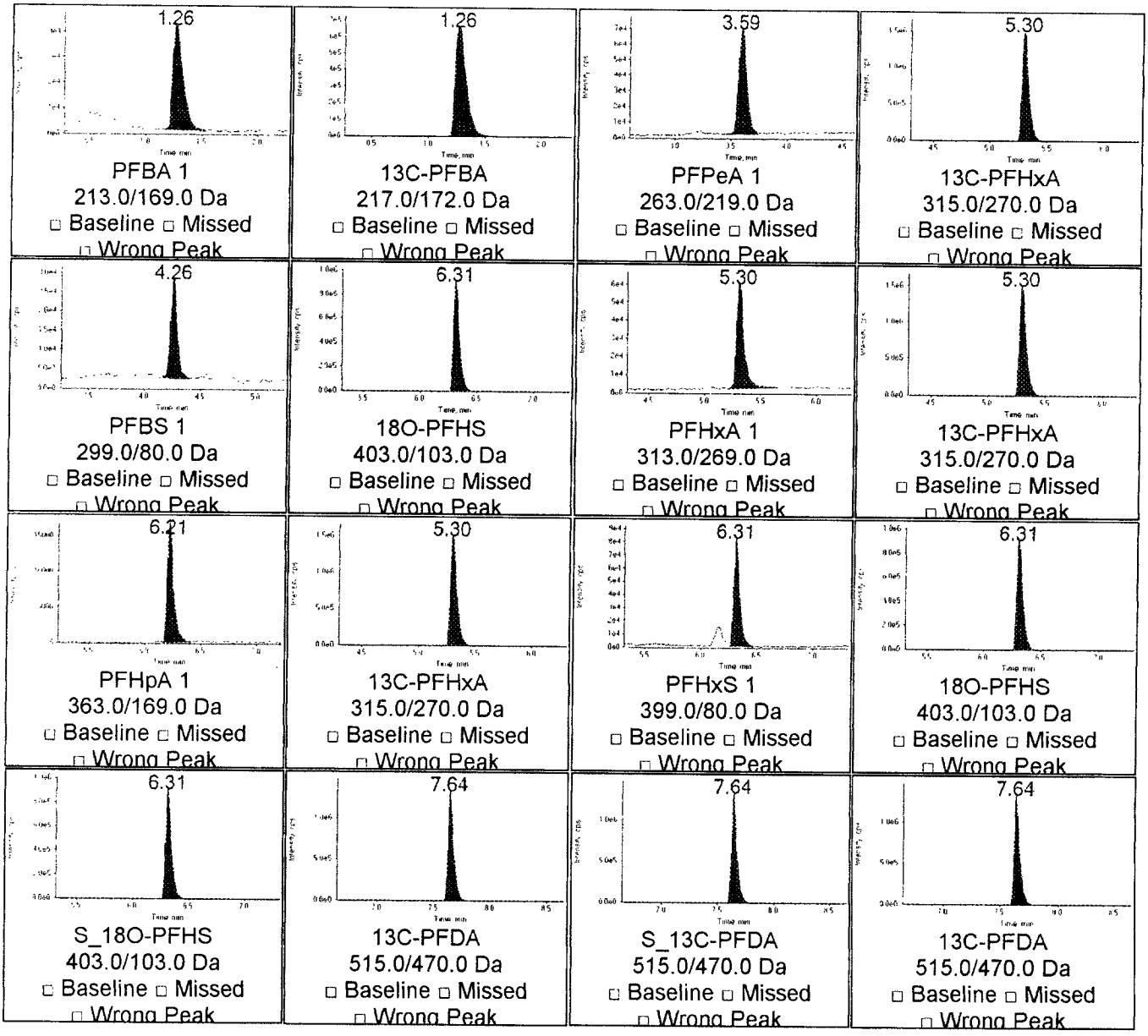
IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFBA 2	1.26 (1.27)	272410	No	1.00 (1.00)	YES
PFPeA 2	3.59 (3.60)	349050	No	1.00 (1.00)	YES
PFBS 2	4.25 (4.26)	43746	No	0.39 (0.40)	YES
PFHxA 2	5.30 (5.31)	26809	No	0.10 (0.10)	YES
PFHpA 2	6.22 (6.22)	220050	No	3.26 (3.03)	YES
PFHxS 2	6.31 (6.32)	116480	No	0.39 (0.40)	YES
S_13C-PFBA	1.26 (1.26)	4490700	No	16.49 (13.55)	No
S_13C-PFHxA	5.30 (5.30)	5824900	No	20.87 (13.06)	No

Columbia Analytical Services

Quantitative Peak Review

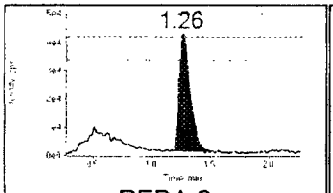
K1000968-019



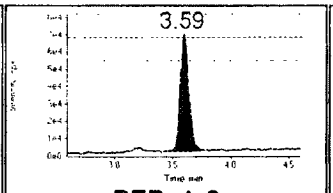
☐ Before ☐ After

Columbia Analytical Services

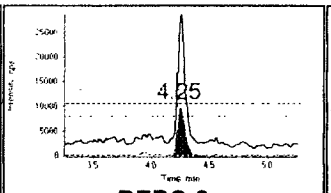
Ion Ratio Confirmation K1000968-019



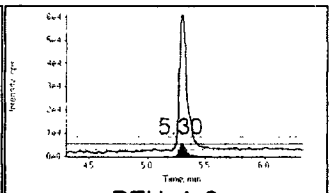
PFBA 2
213.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



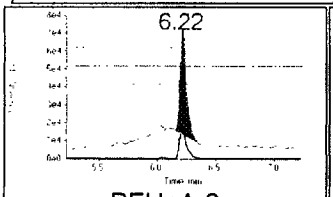
PFPeA 2
263.0/219.0 Da
□ Baseline □ Missed
□ Wrong Peak



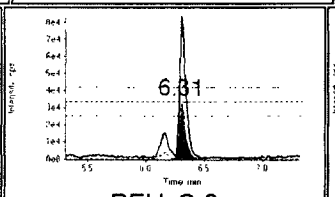
PFBS 2
299.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



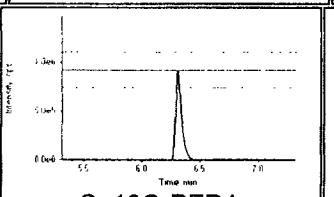
PFHxA 2
313.0/119.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFHpA 2
363.0/319.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFHxS 2
399.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



S_13C-PFDA
515.0/470.0 Da
□ Baseline □ Missed
□ Wrong Peak

This image is not available

N/A

□ Baseline □ Missed
□ Wrong Peak

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

☐ Before ☐ After

Columbia Analytical Services

Created with Analyst Reporter
Printed: 14/02/2010 6:41:00 PM

Project	Ewan's Projects\PFCs
Data File	020810b\SamplesLong.wiff
Result Table	020810SamplesLong.rdb
Instrument Name	API 5000

Sample Name	K1000968-020	**Injection Volume**	5
Acquisition Date	2/9/2010 2:34:26 AM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexLong.dam	**Dilution Factor**	1.00
Injection Vial	40	**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	3251600	0.00 (1.36)	0	N/A	No
PFNA 1	13C-PFNA	2544000	0.00 (2.42)	0	N/A	No
PFOS 1	13C-PFOS	5931600	2.33 (2.53)	14382	0.037	No
PFDA 1	13C-PFDA	2174000	0.00 (3.34)	0	N/A	No
PFUnA 1	13C-PFUnA	141010	4.10 (4.06)	4916	0.015	No
PFDS 1	13C-PFOS	5931600	0.00 (4.10)	0	N/A	No
PFDoA 1	13C-PFDoA	119780	0.00 (4.63)	0	N/A	No
PFTrA 1	13C-PFDoA	119780	0.00 (5.14)	0	N/A	No
PFTeA 1	13C-PFDoA	119780	0.00 (5.74)	0	N/A	No

A 2/16/10

E-T-S
2/16/10

Columbia Analytical Services

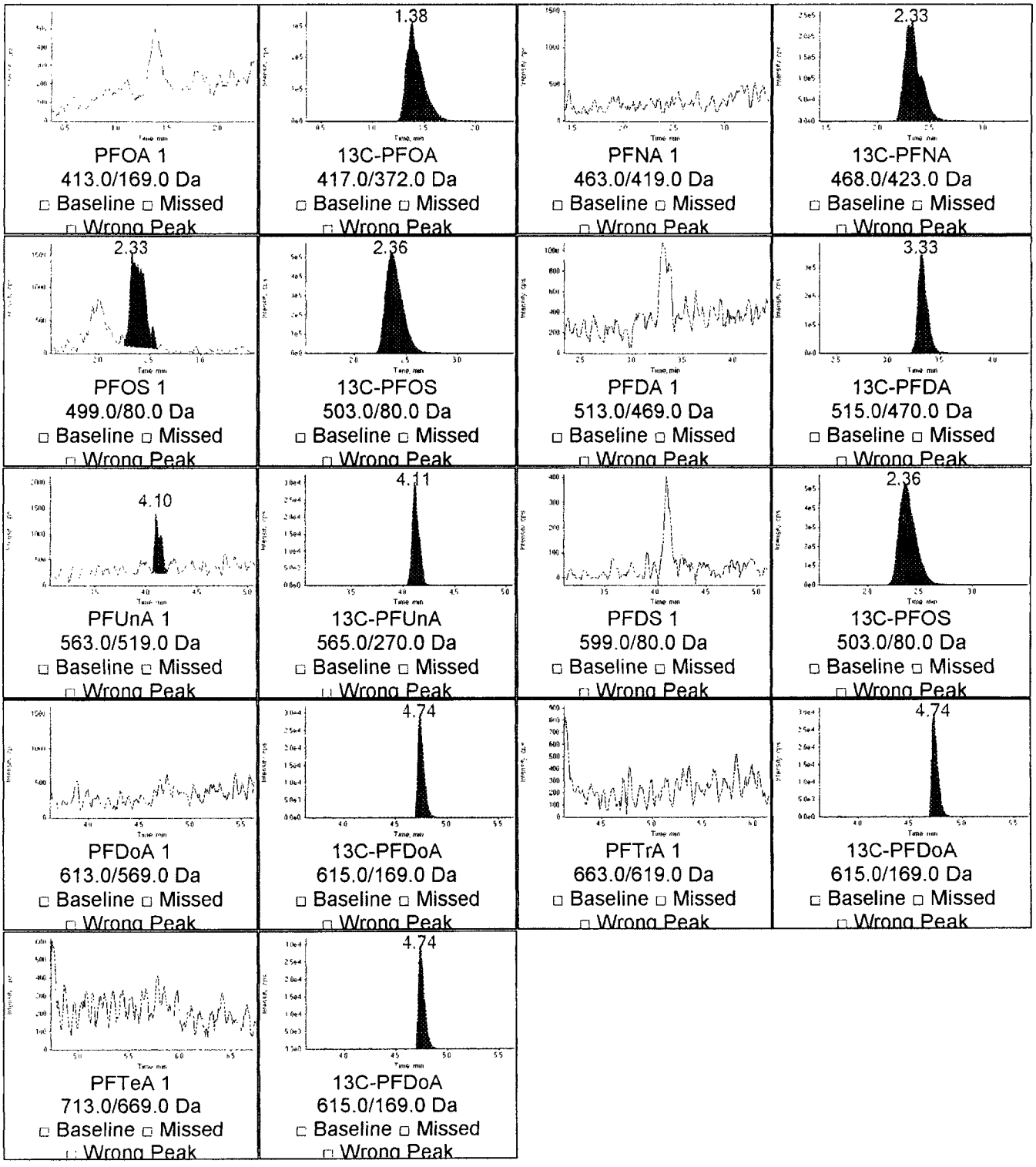
IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFOA 2	0.00 (1.36)	0	No	0.00 (2.38)	No
S_13C_PFOA	1.38 (1.36)	3251600	No	0.00 (50.17)	No
PFNA 2	2.39 (2.44)	425	No	0.00 (0.28)	No
S_13C_PFNA	2.33 (2.44)	2544000	No	0.00 (19.17)	No
PFOS 2	2.34 (2.53)	5687	No	0.40 (0.32)	YES
S_13C-PFOS	2.36 (2.53)	5931600	No	412.43 (22.53)	No
PFDA 2	0.00 (3.34)	0	No	0.00 (0.15)	No
S_13C-PFDA	3.33 (3.34)	2174000	No	0.00 (22.10)	No
PFUnA 2	0.00 (4.06)	0	No	0.00 (0.22)	No
S_13C-PFUnA	4.11 (4.06)	141010	No	28.68 (1.86)	No
PFDS 2	4.15 (4.10)	432	No	0.00 (0.32)	No
PFDoA 2	4.74 (4.64)	588	No	0.00 (0.29)	No
S_13C-PFDoA	4.74 (4.64)	119780	No	0.00 (3.08)	No
PFTrA 2	5.27 (5.13)	232	No	0.00 (0.32)	No
PFTeA 2	5.73 (5.56)	181	No	0.00 (0.36)	No

Columbia Analytical Services

Quantitative Peak Review

K1000968-020



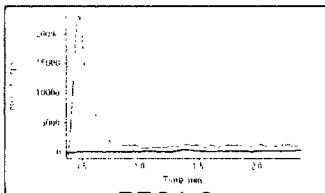
☐ Before ☐ After

Columbia Analytical Services

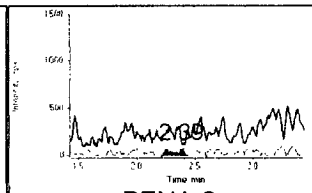
Created with Analyst Reporter
Printed: 14/02/2010 6:41:00 PM

Ion Ratio Confirmation

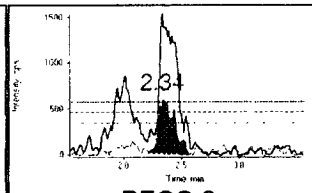
K1000968-020



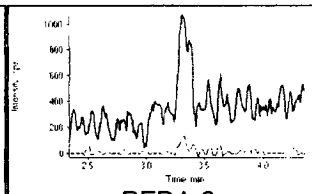
PFOA 2
413.0/369.0 Da
□ Baseline □ Missed
□ Wrong Peak



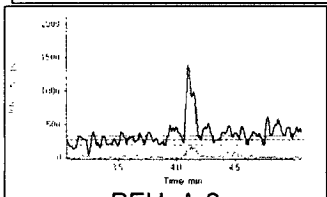
PFNA 2
463.0/219.0 Da
□ Baseline □ Missed
□ Wrong Peak



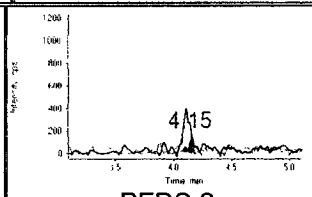
PFOS 2
499.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



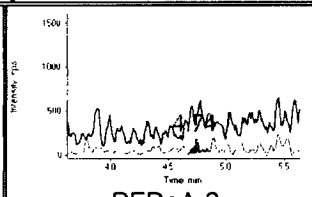
PFDA 2
513.0/269.0 Da
□ Baseline □ Missed
□ Wrong Peak



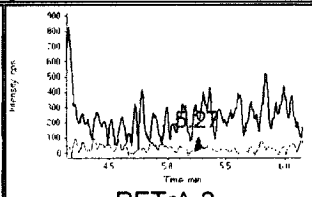
PFUnA 2
563.0/269.0 Da
□ Baseline □ Missed
□ Wrong Peak



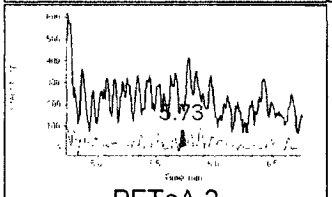
PFDS 2
599.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFDoA 2
613.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFTrA 2
663.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFTeA 2
713.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak

☐ Before ☐ After

Columbia Analytical Services

Project	Ewan's Projects\PFCs
Data File	020810\SamplesShort.wiff
Result Table	020810SamplesShortedit.rdb
Instrument Name	API 5000

Sample Name	K1000968-020	**Injection Volume**	5
Acquisition Date	2/9/2010 1:56:35 PM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexShort.dam	**Dilution Factor**	1.00
Injection Vial	40	**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	5043500	1.27 (1.27)	48231	0.03	No
PFPeA 1	13C-PFHxA	5902900	3.58 (3.60)	27194	0.03	No
PFBS 1	18O-PFHS	3205200	0.00 (4.26)	0	N/A <MRL	No
PFHxA 1	13C-PFHxA	5902900	5.30 (5.31)	53741	0.03	No
PFHpA 1	13C-PFHxA	5902900	6.23 (6.23)	15090	0.01	No
PFHxS 1	18O-PFHS	3205200	6.31 (6.32)	34525	0.02	No
S_18O-PFHS	13C-PFDA	4136100	6.31 (6.31)	3205200	0.88	No
S_13C-PFDA	13C-PFDA	4136100	7.65 (7.65)	4136100	1.00	No

2/16/10

2/15/10

Columbia Analytical Services

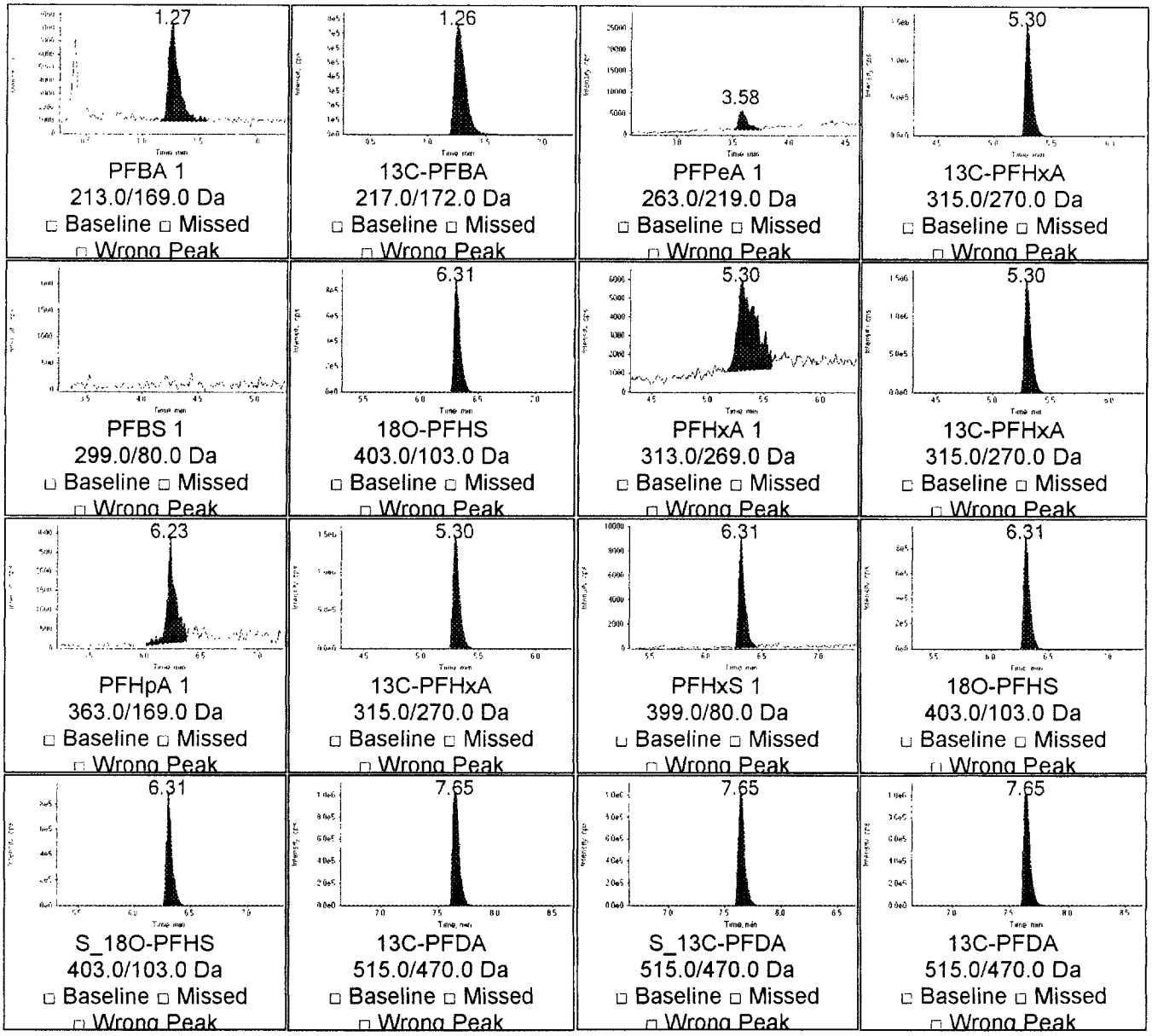
IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFBA 2	1.27 (1.27)	48231	No	1.00 (1.00)	YES
PFPeA 2	3.58 (3.60)	27194	No	1.00 (1.00)	YES
PFBS 2	0.00 (4.26)	0	No	0.00 (0.40)	No <MDL
PFHxA 2	0.00 (5.31)	0	No	0.00 (0.10)	No
PFHpA 2	6.21 (6.22)	133710	No	8.86 (3.03)	No
PFHxS 2	6.31 (6.32)	13767	No	0.40 (0.40)	YES
S_13C-PFBA	1.26 (1.26)	5043500	No	104.57 (13.55)	No
S_13C-PFHxA	5.30 (5.30)	5902900	No	109.84 (13.06)	No

Columbia Analytical Services

Quantitative Peak Review

K1000968-020

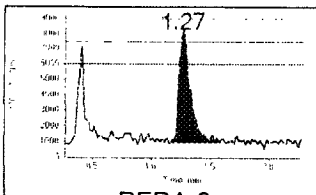
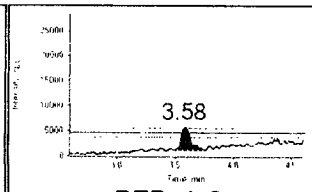
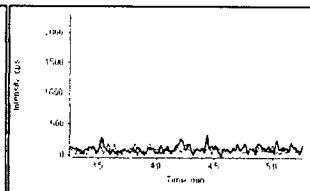
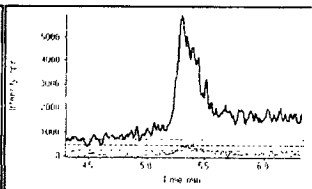
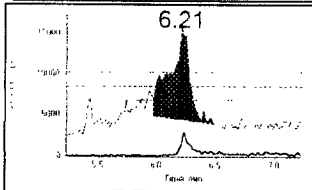
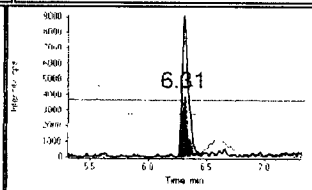
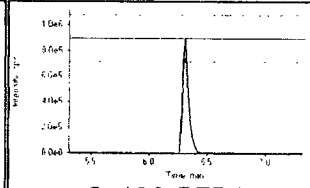


☐ Before ☐ After

Columbia Analytical Services

Ion Ratio Confirmation

K1000968-020

 PFBA 2 213.0/169.0 Da □ Baseline □ Missed ∟ Wrong Peak	 PFPeA 2 263.0/219.0 Da □ Baseline □ Missed □ Wrong Peak	 PFBS 2 299.0/99.0 Da □ Baseline □ Missed □ Wrong Peak	 PFHxA 2 313.0/119.0 Da □ Baseline □ Missed □ Wrong Peak
 PFHpA 2 363.0/319.0 Da □ Baseline □ Missed □ Wrong Peak	 PFHxS 2 399.0/99.0 Da □ Baseline □ Missed □ Wrong Peak	 S_13C-PFDA 515.0/470.0 Da □ Baseline □ Missed □ Wrong Peak	This image is not available N/A □ Baseline □ Missed □ Wrong Peak

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

☐ Before ☐ After

Columbia Analytical Services

Project	Ewan's Projects\PFCs
Data File	020910\Samplesshort.wiff
Result Table	020810SamplesShortedit.rdb
Instrument Name	API 5000

Sample Name	KQ1000620-06 MB	**Injection Volume**	5
Acquisition Date	2/9/2010 5:24:58 PM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexShort.dam	**Dilution Factor**	1.00
Injection Vial	21	**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	5889900	1.27 (1.27)	74665	0.06	No
PFPeA 1	13C-PFHxA	6654300	3.58 (3.60)	25091	0.02	No
PFBS 1	18O-PFHS	3729000	0.00 (4.26)	0	N/A	No
PFHxA 1	13C-PFHxA	6654300	5.29 (5.31)	60392	0.03	No
PFHpA 1	13C-PFHxA	6654300	6.23 (6.23)	15261	0.00	No
PFHxS 1	18O-PFHS	3729000	6.31 (6.32)	40474	0.02	No
S_18O-PFHS	13C-PFDA	4230300	6.31 (6.31)	3729000	1.00	No
S_13C-PFDA	13C-PFDA	4230300	7.65 (7.65)	4230300	1.00	No

A 2/16/10

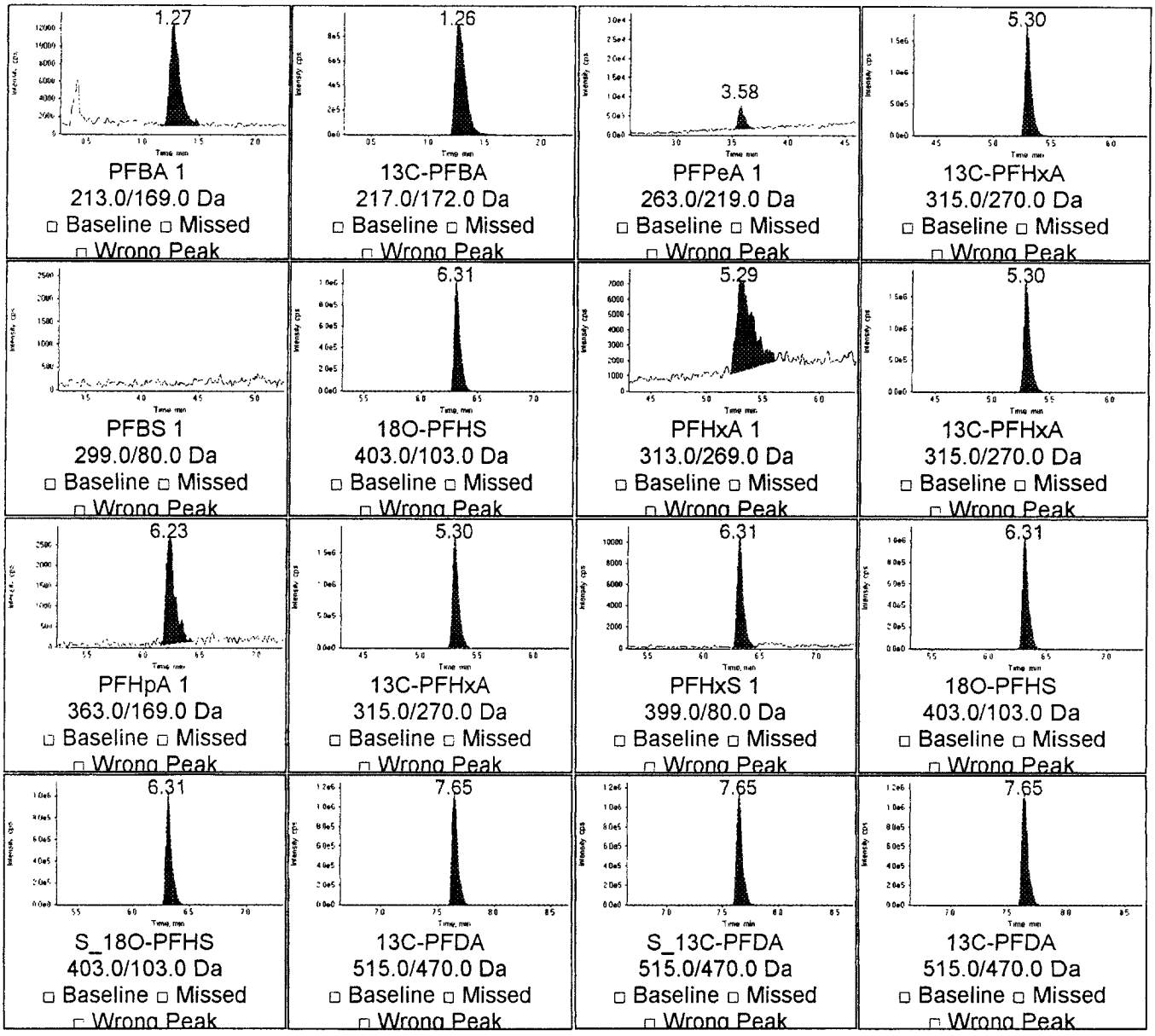
CCS 2/15/10

IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFBA 2	1.27 (1.27)	74665	No	1.00 (1.00)	YES
PFPeA 2	3.58 (3.60)	25091	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	6.21 (6.22)	196620	No	12.88 (3.03)	No
PFHxS 2	6.31 (6.32)	17779	No	0.44 (0.40)	YES
S_13C-PFBA	1.26 (1.26)	5889900	No	78.88 (13.55)	No
S_13C-PFHxA	5.30 (5.30)	6654300	No	110.19 (13.06)	No

Quantitative Peak Review

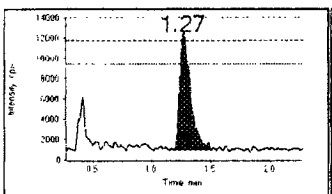
KQ1000620-06



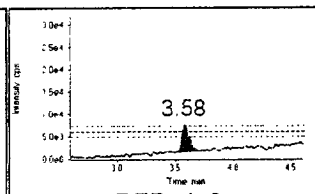
☐ Before ☐ After

Ion Ratio Confirmation

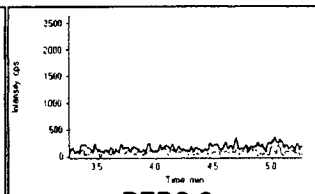
KQ1000620-06



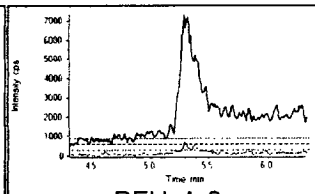
PFBA 2
213.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



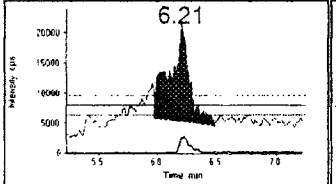
PFPeA 2
263.0/219.0 Da
□ Baseline □ Missed
□ Wrong Peak



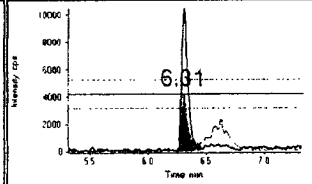
PFBS 2
299.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



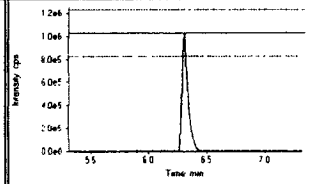
PFHxA 2
313.0/119.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFHpA 2
363.0/319.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFHxS 2
399.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



S_13C-PFDA
515.0/470.0 Da
□ Baseline □ Missed
□ Wrong Peak

N/A

□ Baseline □ Missed
□ Wrong Peak

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	KQ1000620-06 MB	**Injection Volume**	5
Acquisition Date	2/17/2010 11:47:50 PM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexLong.dam	**Dilution Factor**	1.00
Injection Vial	21	**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	3913000	1.23 (1.36)	3236	0.045	No
PFNA 1	13C-PFNA	3315700	0.00 (2.06)	0	N/A	No
PFOS 1	13C-PFOS	9104600	2.06 (2.09)	304670	0.328	No
PFDA 1	13C-PFDA	2808200	0.00 (3.06)	0	N/A	No
PFUnA 1	13C-PFUnA	190820	3.90 (4.06)	9901	0.018	No
PFDS 1	13C-PFOS	9104600	3.87 (3.87)	~~2747~~	~~0.023~~ ND	No
PFDoA 1	13C-PFDoA	192430	4.58 (4.55)	~~9333~~	~~0.088~~ ND	No
PFTrA 1	13C-PFDoA	192430	5.27 (5.06)	2313	N/A	No
PFTeA 1	13C-PFDoA	192430	0.00 (5.51)	0	N/A	No

* 2/19/10
IES
2/19/10

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IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFOA 2	0.00 (1.36)	0	No	0.00 (2.16)	No
S_13C_PFOA	1.25 (1.36)	3913000	No	1209.06 (43.19)	No
PFNA 2	2.03 (2.08)	672	No	0.00 (0.34)	No
S_13C_PFNA	0.00 (2.44)	0	No	0.00 (0.00)	No
PFOS 2	2.11 (2.12)	95436	No	0.31 (0.32)	YES
S_13C-PFOS	2.09 (2.00)	9104600	No	29.88 (21.71)	No
PFDA 2	3.11 (3.06)	744	No	0.00 (0.14)	No
S_13C-PFDA	3.08 (3.04)	2808200	No	0.00 (17.53)	No
PFUnA 2	0.00 (3.88)	0	No	0.00 (0.19)	No
S_13C-PFUnA	3.89 (3.88)	190820	No	19.27 (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	4.53 (4.64)	192430	No	20.62 (3.71)	No
PFTrA 2	5.26 (5.13)	182	No	0.08 (0.34)	No
PFTeA 2	5.54 (5.56)	127	No	0.00 (0.29)	No

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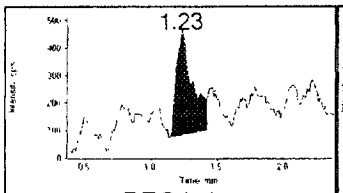
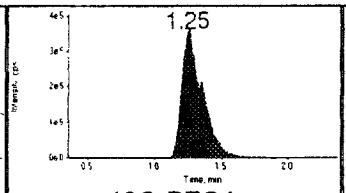
Printed: 18/02/2010 3:24:00 PM

Quantitative Peak Review

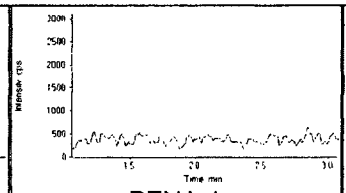
KQ1000620-06



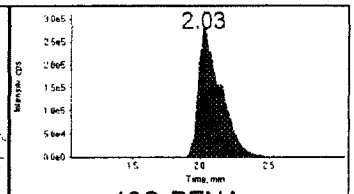
PFOA 1
413.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



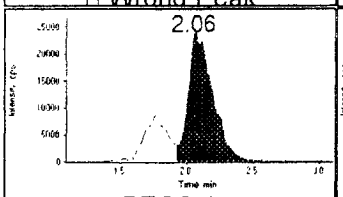
13C-PFOA
417.0/372.0 Da
□ Baseline □ Missed
□ Wrong Peak



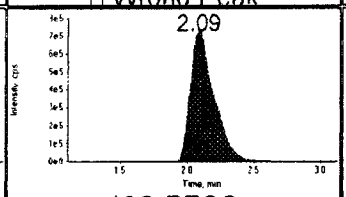
PFNA 1
463.0/419.0 Da
□ Baseline □ Missed
□ Wrong Peak



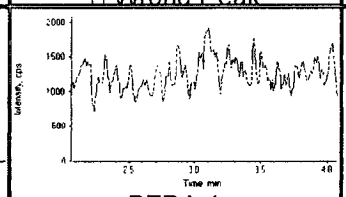
13C-PFNA
468.0/423.0 Da
□ Baseline □ Missed
□ Wrong Peak



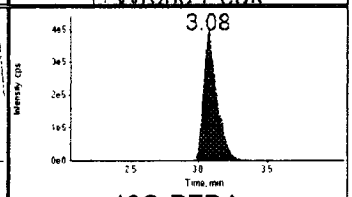
PFOS 1
499.0/80.0 Da
□ Baseline □ Missed
□ Wrong Peak



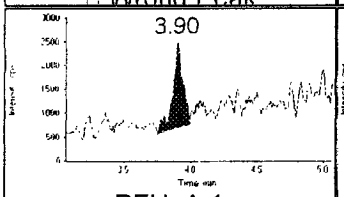
13C-PFOS
503.0/80.0 Da
□ Baseline □ Missed
□ Wrong Peak



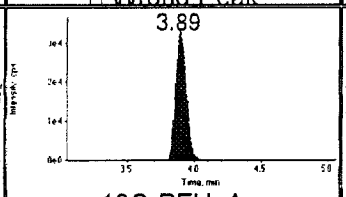
PFDA 1
513.0/469.0 Da
□ Baseline □ Missed
□ Wrong Peak



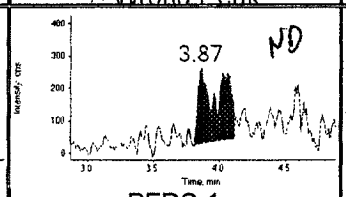
13C-PFDA
515.0/470.0 Da
□ Baseline □ Missed
□ Wrong Peak



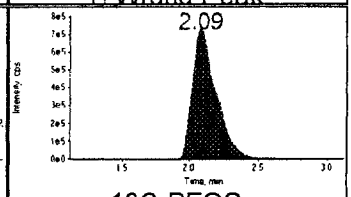
PFUnA 1
563.0/519.0 Da
□ Baseline □ Missed
□ Wrong Peak



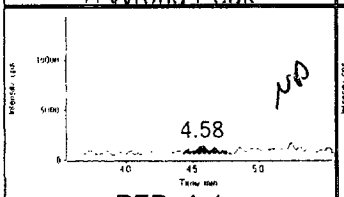
13C-PFUnA
565.0/270.0 Da
□ Baseline □ Missed
□ Wrong Peak



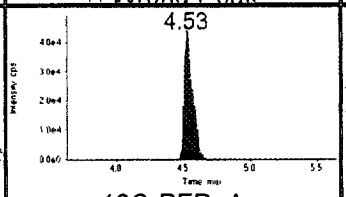
PFDS 1
599.0/80.0 Da
□ Baseline □ Missed
□ Wrong Peak



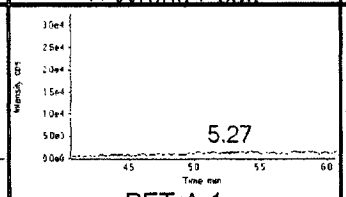
13C-PFOS
503.0/80.0 Da
□ Baseline □ Missed
□ Wrong Peak



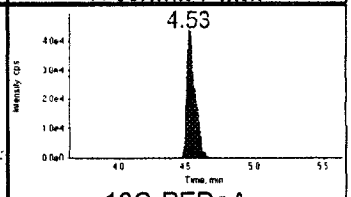
PFDoA 1
613.0/569.0 Da
□ Baseline □ Missed
□ Wrong Peak



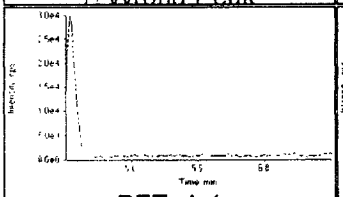
13C-PFDoA
615.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



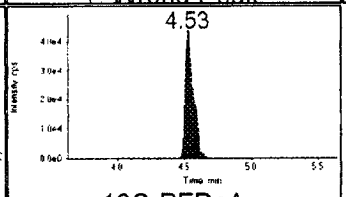
PFTrA 1
663.0/619.0 Da
□ Baseline □ Missed
□ Wrong Peak



13C-PFDoA
615.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFTeA 1
713.0/669.0 Da
□ Baseline □ Missed
□ Wrong Peak

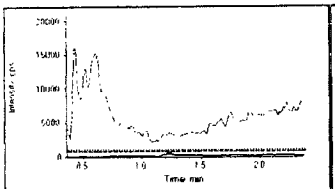


13C-PFDoA
615.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak

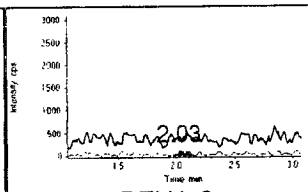
☐ Before ☐ After

Ion Ratio Confirmation

KQ1000620-06



PFOA 2
413.0/369.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFNA 2
463.0/219.0 Da
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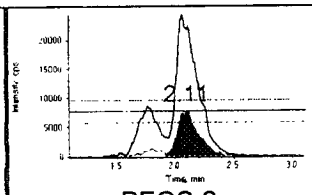
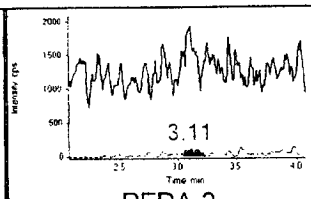
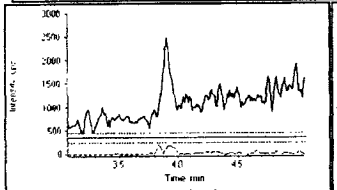
□ Wrong Peak



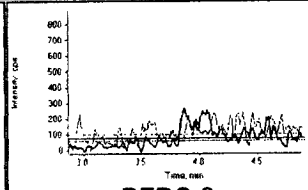
PFOS 2
499.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



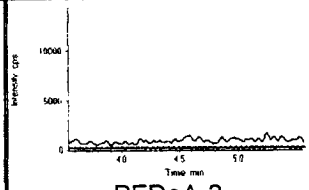
PFDA 2
513.0/269.0 Da
□ Baseline □ Missed
□ Wrong Peak



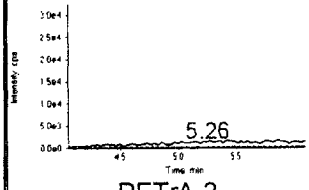
PFUnA 2
563.0/269.0 Da
□ Baseline □ Missed
□ Wrong Peak



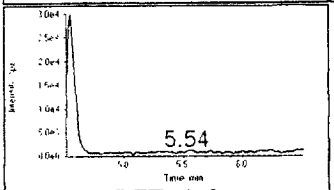
PFDS 2
599.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFDoA 2
613.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFTrA 2
663.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFTeA 2
713.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak

☐ Before ☐ After

Columbia Analytical Services

Project	Ewan's Projects\PFCs
Data File	020910\Samplesshort.wiff
Result Table	020810SamplesShortedit.rdb
Instrument Name	API 5000

Sample Name	KQ1000620-05 LCS	**Injection Volume**	5
Acquisition Date	2/9/2010 5:15:26 PM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexShort.dam	**Dilution Factor**	1.00
Injection Vial	22	**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	5403500	1.27 (1.27)	11746000	20.50	No
PFPeA 1	13C-PFHxA	6049600	3.58 (3.60)	11889000	20.60	No
PFBS 1	18O-PFHS	3362100	4.24 (4.26)	19382000	18.10	No
PFHxA 1	13C-PFHxA	6049600	5.30 (5.31)	11643000	19.10	No
PFHpA 1	13C-PFHxA	6049600	6.22 (6.23)	4823600	20.70	No
PFHxS 1	18O-PFHS	3362100	6.31 (6.32)	19525000	19.60	No
S_18O-PFHS	13C-PFDA	3961000	6.31 (6.31)	3362100	0.96	No
S_13C-PFDA	13C-PFDA	3961000	7.65 (7.65)	3961000	1.00	No

2/16/10
LCS
2/15/10

IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFBA 2	1.27 (1.27)	11746000	No	1.00 (1.00)	YES
PFPeA 2	3.58 (3.60)	11889000	No	1.00 (1.00)	YES
PFBS 2	4.25 (4.26)	7895400	No	0.41 (0.40)	YES
PFHxA 2	5.30 (5.31)	1158200	No	0.10 (0.10)	YES
PFHpA 2	6.22 (6.22)	13739000	No	2.85 (3.03)	YES
PFHxS 2	6.31 (6.32)	8221600	No	0.42 (0.40)	YES
S_13C-PFBA	1.26 (1.26)	5403500	No	0.46 (13.55)	No
S_13C-PFHxA	5.30 (5.30)	6049600	No	0.52 (13.06)	No

Columbia Analytical Services

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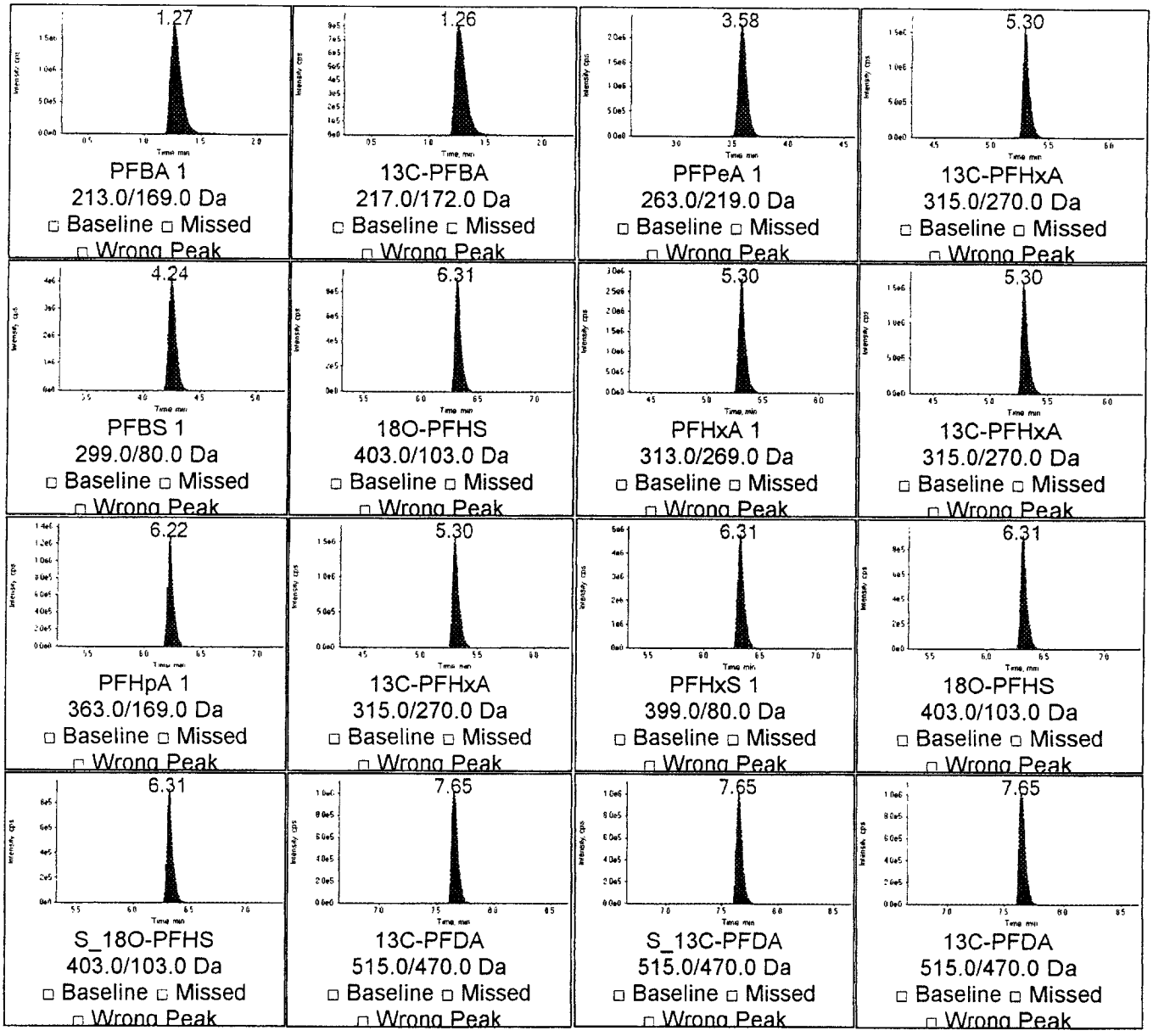
Printed: 15/02/2010 2:34:00 PM

Quantitative Peak Review

KQ1000620-05

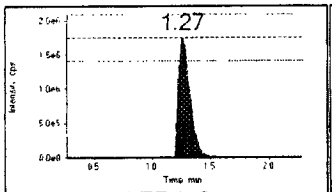
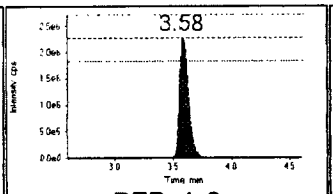
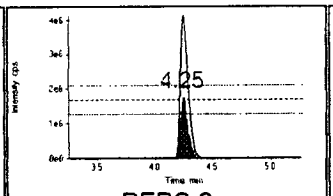
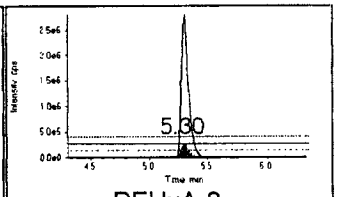
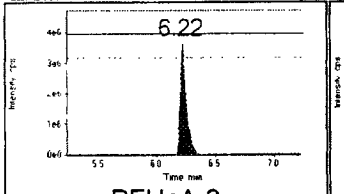
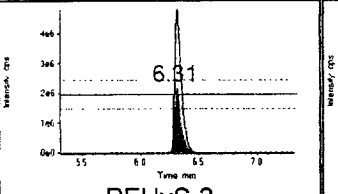
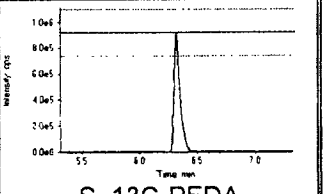


☐ Before ☐ After

Columbia Analytical Services

Ion Ratio Confirmation

KQ1000620-05

 PFBA 2 213.0/169.0 Da □ Baseline □ Missed □ Wrong Peak	 PFPeA 2 263.0/219.0 Da □ Baseline □ Missed □ Wrong Peak	 PFBS 2 299.0/99.0 Da □ Baseline □ Missed □ Wrong Peak	 PFHxA 2 313.0/119.0 Da □ Baseline □ Missed □ Wrong Peak
 PFHpA 2 363.0/319.0 Da □ Baseline □ Missed □ Wrong Peak	 PFHxS 2 399.0/99.0 Da □ Baseline □ Missed □ Wrong Peak	 S_13C-PFDA 515.0/470.0 Da □ Baseline □ Missed □ Wrong Peak	This image is not available N/A □ Baseline □ Missed □ Wrong Peak

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

☐ Before ☐ After

Columbia Analytical Services

Created with Analyst Reporter
Printed: 18/02/2010 3:24:00 PM

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

Sample Name	KQ1000620-05 LCS	**Injection Volume**	5
Acquisition Date	2/17/2010 11:40:18 PM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexLong.dam	**Dilution Factor**	1.00
Injection Vial	22	**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	3601600	1.22 (1.36)	3503400	19.200	No
PFNA 1	13C-PFNA	2912100	1.99 (2.06)	6463900	20.400	No
PFOS 1	13C-PFOS	9040200	2.01 (2.09)	19559000	20.300	No
PFDA 1	13C-PFDA	2873500	3.04 (3.06)	6304500	21.300	No
PFUnA 1	13C-PFUnA	188040	3.85 (4.06)	4700500	23.900	No
PFDS 1	13C-PFOS	9040200	3.85 (3.87)	14141000	13.900	No
PFDoA 1	13C-PFDoA	177590	4.49 (4.55)	3124100	29.100	No
PFTrA 1	13C-PFDoA	177590	5.04 (5.06)	1298700	21.500	No
PFTeA 1	13C-PFDoA	177590	5.52 (5.51)	1004800	22.200	No

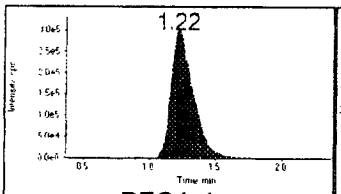
2/19/10
2/19/10

IRC Summary

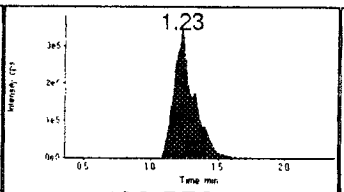
Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFOA 2	1.20 (1.36)	8128700	No	2.32 (2.16)	YES
S_13C_PFOA	1.23 (1.36)	3601600	No	1.03 (43.19)	No
PFNA 2	1.99 (2.08)	2125900	No	0.33 (0.34)	YES
S_13C_PFNA	0.00 (2.44)	0	No	0.00 (0.00)	No
PFOS 2	2.02 (2.12)	6235900	No	0.32 (0.32)	YES
S_13C-PFOS	2.01 (2.00)	9040200	No	0.46 (21.71)	No
PFDA 2	3.03 (3.06)	924920	No	0.15 (0.14)	YES
S_13C-PFDA	3.05 (3.04)	2873500	No	0.46 (17.53)	No
PFUnA 2	3.85 (3.88)	955300	No	0.20 (0.19)	YES
S_13C-PFUnA	3.84 (3.88)	188040	No	0.04 (1.60)	No
PFDS 2	3.85 (3.87)	4593600	No	0.32 (0.32)	YES
PFDoA 2	4.50 (4.53)	776090	No	0.25 (0.28)	YES
S_13C-PFDoA	4.49 (4.64)	177590	No	0.06 (3.71)	No
PFTrA 2	5.03 (5.13)	399750	No	0.31 (0.34)	YES
PFTeA 2	5.51 (5.56)	308040	No	0.31 (0.29)	YES

Quantitative Peak Review

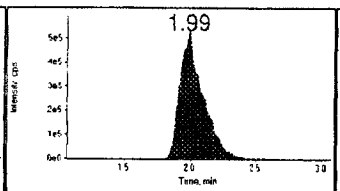
KQ1000620-05



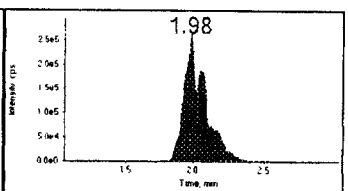
PFOA 1
413.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



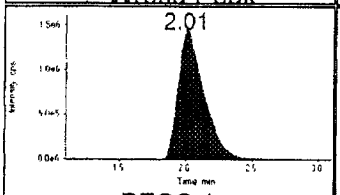
13C-PFOA
417.0/372.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



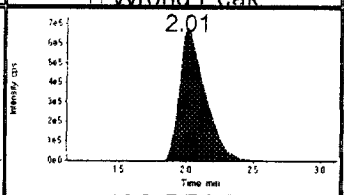
PFNA 1
463.0/419.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



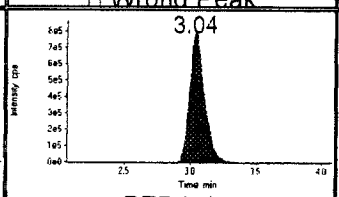
13C-PFNA
468.0/423.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



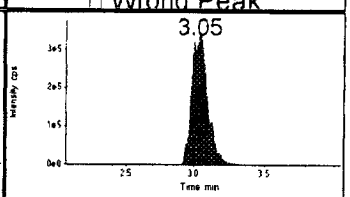
PFOS 1
499.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



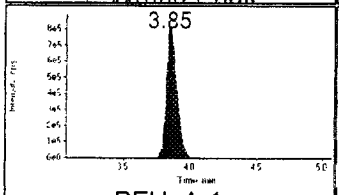
13C-PFOS
503.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



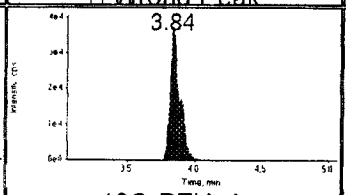
PFDA 1
513.0/469.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



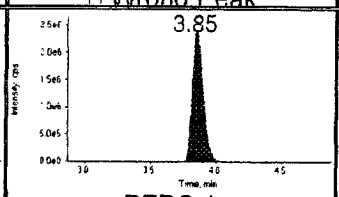
13C-PFDA
515.0/470.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



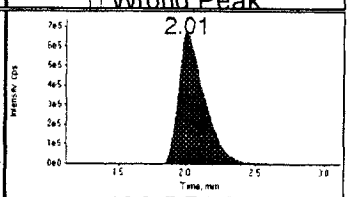
PFUnA 1
563.0/519.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



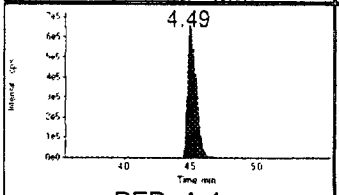
13C-PFUnA
565.0/270.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



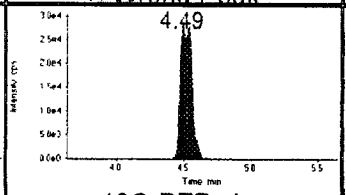
PFDS 1
599.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



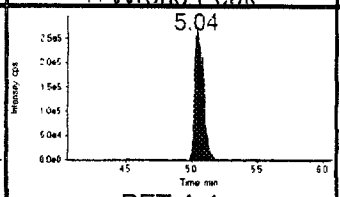
13C-PFOS
503.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



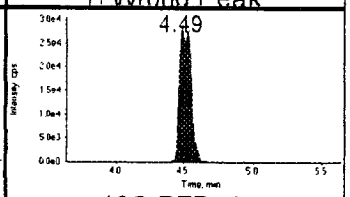
PFDoA 1
613.0/569.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



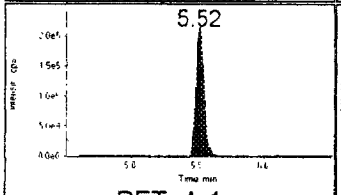
13C-PFDoA
615.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



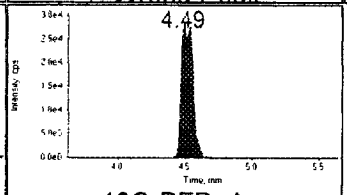
PFTrA 1
663.0/619.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



13C-PFDoA
615.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTeA 1
713.0/669.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

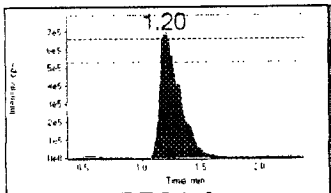


13C-PFDoA
615.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

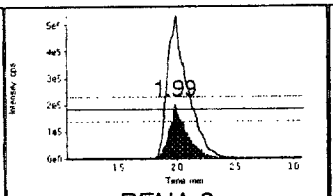
☐ Before ☐ After

Ion Ratio Confirmation

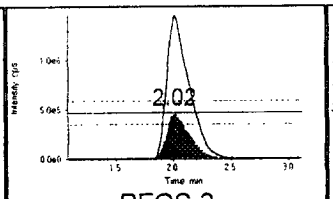
KQ1000620-05



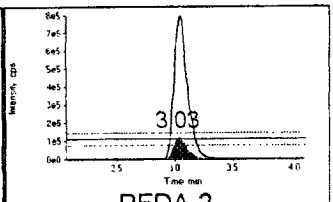
PFOA 2
413.0/369.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



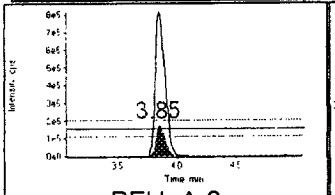
PFNA 2
463.0/219.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



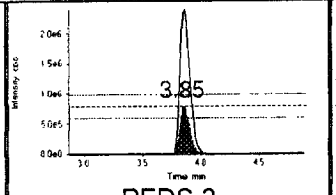
PFOS 2
499.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



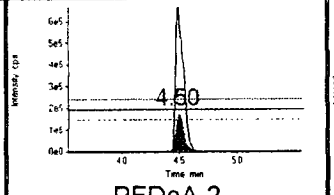
PFDA 2
513.0/269.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



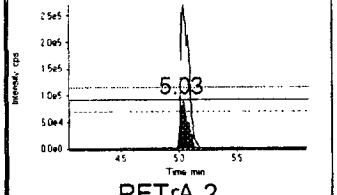
PFUnA 2
563.0/269.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



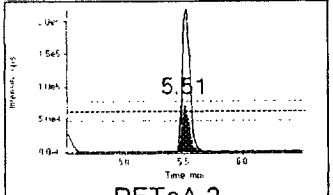
PFDS 2
599.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFDoA 2
613.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTrA 2
663.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTeA 2
713.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

☐ Before ☐ After

Columbia Analytical Services

Created with Analyst Reporter
Printed: 14/02/2010 6:41:00 PM

Project	Ewan's Projects\PFCs
Data File	020810b\SamplesLong.wiff
Result Table	020810SamplesLong.rdb
Instrument Name	API 5000

K1000620-10 MS

Sample Name	KQ1000620-03	**Injection Volume**	5
Acquisition Date	2/9/2010 2:42:01 AM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexLong.dam	**Dilution Factor**	1.00
Injection Vial	67	**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	3179000	1.37 (1.36)	3708600	24.100	No
PFNA 1	13C-PFNA	2393400	2.27 (2.42)	5125100	18.700	No
PFOS 1	13C-PFOS	6138100	2.33 (2.53)	19843000	30.300	No
PFDA 1	13C-PFDA	2263400	3.30 (3.34)	3960600	16.600	No
PFUnA 1	13C-PFUnA	116310	4.10 (4.06)	2101400	19.100	No
PFDS 1	13C-PFOS	6138100	4.10 (4.10)	7472600	10.700	No
PFDoA 1	13C-PFDoA	120990	4.74 (4.63)	1452500	22.100	No
PFTrA 1	13C-PFDoA	120990	5.27 (5.14)	862140	20.200	No
PFTeA 1	13C-PFDoA	120990	5.72 (5.74)	671680	21.000	No

2/16/10

2/16/10

Columbia Analytical Services

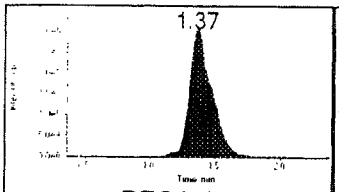
IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFOA 2	1.36 (1.36)	8680100	No	2.34 (2.38)	YES
S_13C_PFOA	1.35 (1.36)	3179000	No	0.86 (50.17)	No
PFNA 2	2.31 (2.44)	1654700	No	0.32 (0.28)	YES
S_13C_PFNA	2.30 (2.44)	2393400	No	0.47 (19.17)	No
PFOS 2	2.33 (2.53)	6328000	No	0.32 (0.32)	YES
S_13C-PFOS	2.33 (2.53)	6138100	No	0.31 (22.53)	No
PFDA 2	3.31 (3.34)	616360	No	0.16 (0.15)	YES
S_13C-PFDA	3.33 (3.34)	2263400	No	0.57 (22.10)	No
PFUnA 2	4.10 (4.06)	478180	No	0.23 (0.22)	YES
S_13C-PFUnA	4.10 (4.06)	116310	No	0.06 (1.86)	No
PFDS 2	4.10 (4.10)	2415400	No	0.32 (0.32)	YES
PFDoA 2	4.74 (4.64)	436550	No	0.30 (0.29)	YES
S_13C-PFDoA	4.74 (4.64)	120990	No	0.08 (3.08)	No
PFTrA 2	5.26 (5.13)	277810	No	0.32 (0.32)	YES
PFTeA 2	5.72 (5.56)	228290	No	0.34 (0.36)	YES

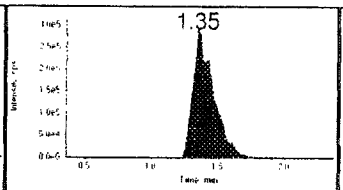
Columbia Analytical Services

Quantitative Peak Review

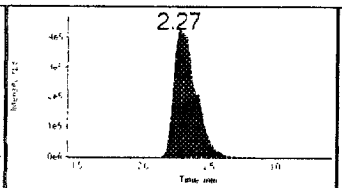
KQ1000620-03



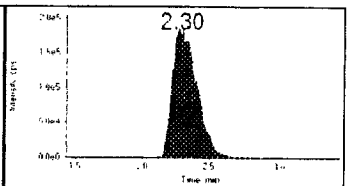
PFOA 1
413.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



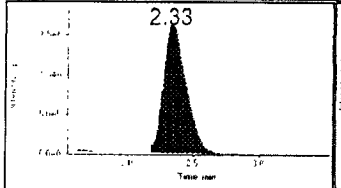
13C-PFOA
417.0/372.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



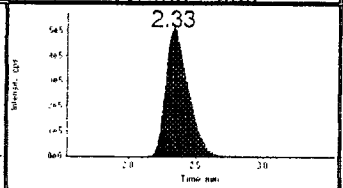
PFNA 1
463.0/419.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



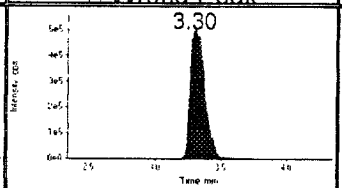
13C-PFNA
468.0/423.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



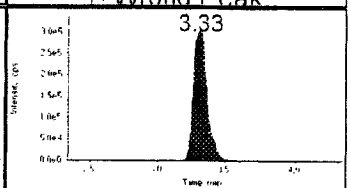
PFOS 1
499.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



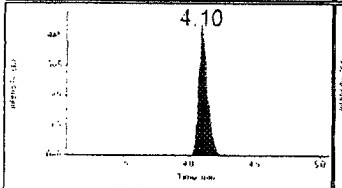
13C-PFOS
503.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



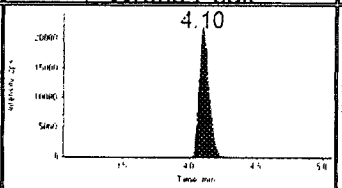
PFDA 1
513.0/469.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



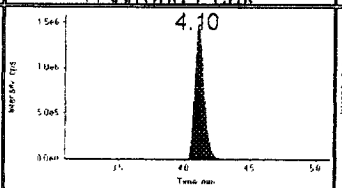
13C-PFDA
515.0/470.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



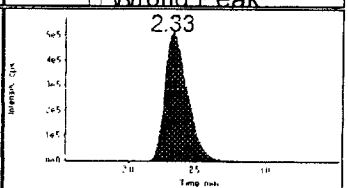
PFUnA 1
563.0/519.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



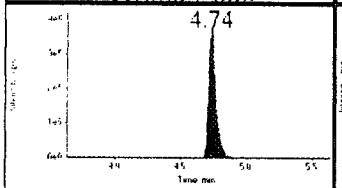
13C-PFUnA
565.0/270.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



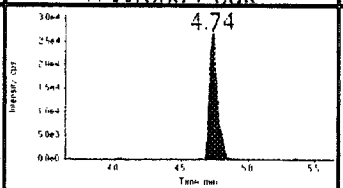
PFDS 1
599.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



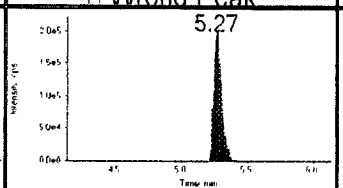
13C-PFOS
503.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



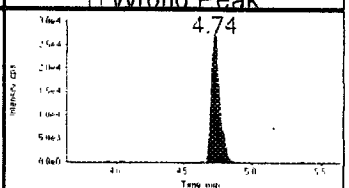
PFDoA 1
613.0/569.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



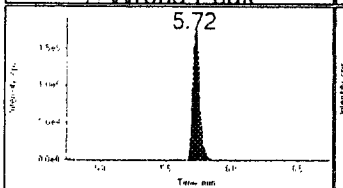
13C-PFDoA
615.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



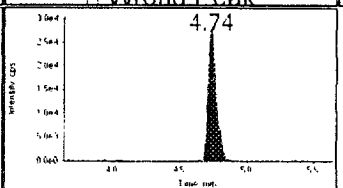
PFTrA 1
663.0/619.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



13C-PFDoA
615.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTeA 1
713.0/669.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



13C-PFDoA
615.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

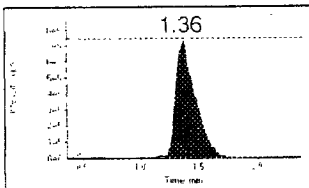
☐ Before ☐ After

Created with Analyst Reporter
Printed: 14/02/2010 6:41:00 PM

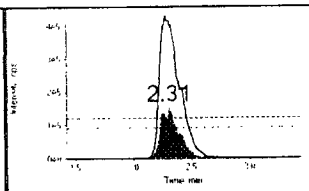
Columbia Analytical Services

Ion Ratio Confirmation

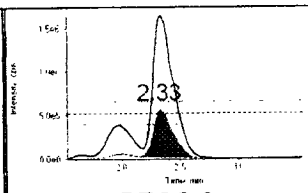
KQ1000620-03



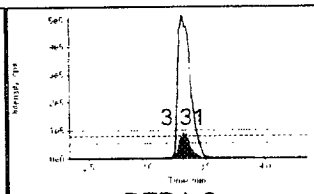
PFOA 2
413.0/369.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



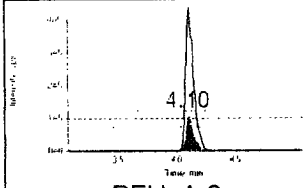
PFNA 2
463.0/219.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



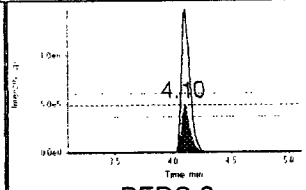
PFOS 2
499.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



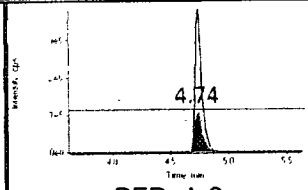
PFDA 2
513.0/269.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



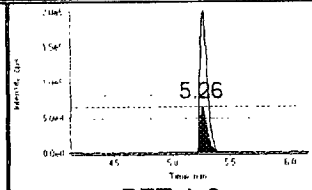
PFUnA 2
563.0/269.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



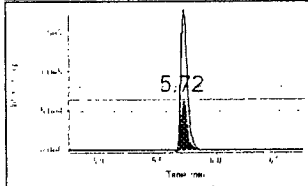
PFDS 2
599.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFDoA 2
613.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTrA 2
663.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTeA 2
713.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

☐ Before ☐ After

Columbia Analytical Services

Project	Ewan's Projects\PFCs
Data File	020810\SamplesShort.wiff
Result Table	020810SamplesShortedit.rdb
Instrument Name	API 5000

Sample Name	KQ1000620-03 468-10MS	**Injection Volume**	5
Acquisition Date	2/9/2010 2:06:09 PM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexShort.dam	**Dilution Factor**	1.00
Injection Vial	67	**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	4500600	1.26 (1.27)	9936200	20.80	No
PFPeA 1	13C-PFHxA	5418600	3.58 (3.60)	11400000	22.00	No
PFBS 1	18O-PFHS	3366800	4.25 (4.26)	21210000	20.00	No
PFHxA 1	13C-PFHxA	5418600	5.30 (5.31)	12220000	22.70	No
PFHpA 1	13C-PFHxA	5418600	6.22 (6.23)	4448200	21.30	No
PFHxS 1	18O-PFHS	3366800	6.31 (6.32)	23483000	24.30	No
S_18O-PFHS	13C-PFDA	4586500	6.31 (6.31)	3366800	0.83	No
S_13C-PFDA	13C-PFDA	4586500	7.65 (7.65)	4586500	1.00	No

2/16/10

2/15/10

Columbia Analytical Services

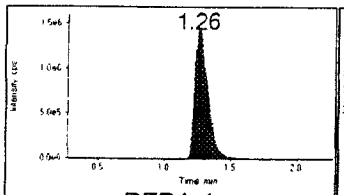
IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFBA 2	1.26 (1.27)	9936200	No	1.00 (1.00)	YES
PFPeA 2	3.58 (3.60)	11400000	No	1.00 (1.00)	YES
PFBS 2	4.25 (4.26)	8675600	No	0.41 (0.40)	YES
PFHxA 2	5.30 (5.31)	1176500	No	0.10 (0.10)	YES
PFHpA 2	6.21 (6.22)	13019000	No	2.93 (3.03)	YES
PFHxS 2	6.31 (6.32)	10177000	No	0.43 (0.40)	YES
S_13C-PFBA	1.26 (1.26)	4500600	No	0.45 (13.55)	No
S_13C-PFHxA	5.30 (5.30)	5418600	No	0.44 (13.06)	No

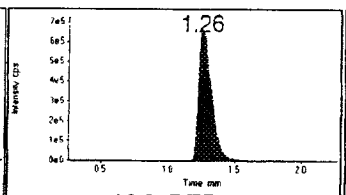
Columbia Analytical Services

Quantitative Peak Review

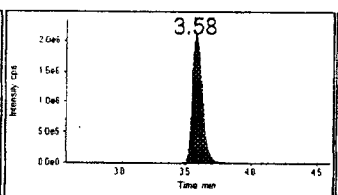
KQ1000620-03



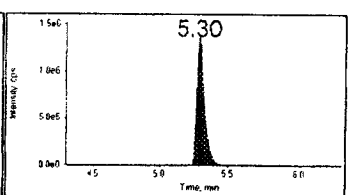
PFBA 1
213.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



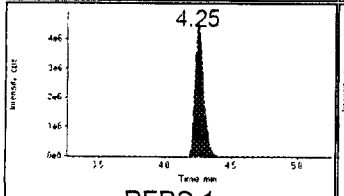
13C-PFBA
217.0/172.0 Da
□ Baseline □ Missed
□ Wrong Peak



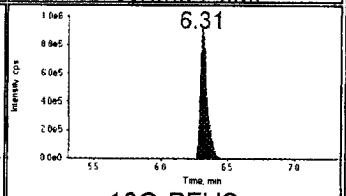
PFPeA 1
263.0/219.0 Da
□ Baseline □ Missed
□ Wrong Peak



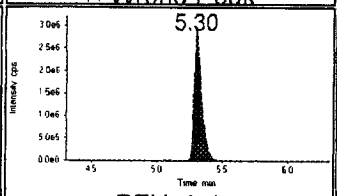
13C-PFHxA
315.0/270.0 Da
□ Baseline □ Missed
□ Wrong Peak



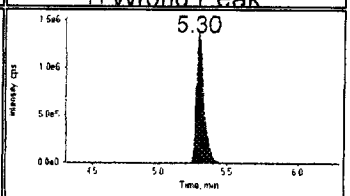
PFBS 1
299.0/80.0 Da
□ Baseline □ Missed
□ Wrong Peak



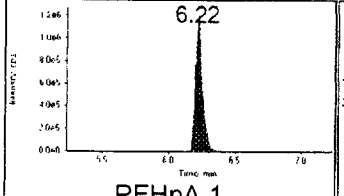
18O-PFHS
403.0/103.0 Da
□ Baseline □ Missed
□ Wrong Peak



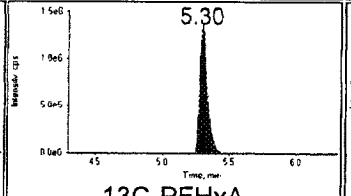
PFHxA 1
313.0/269.0 Da
□ Baseline □ Missed
□ Wrong Peak



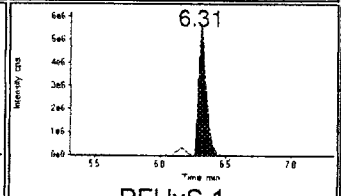
13C-PFHxA
315.0/270.0 Da
□ Baseline □ Missed
□ Wrong Peak



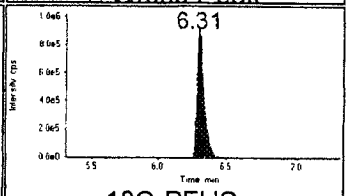
PFHpA 1
363.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



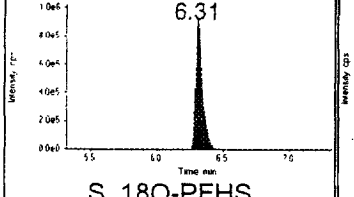
13C-PFHxA
315.0/270.0 Da
□ Baseline □ Missed
□ Wrong Peak



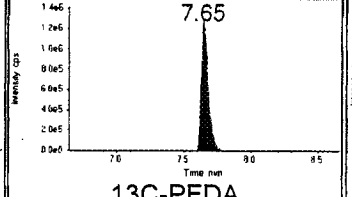
PFHxS 1
399.0/80.0 Da
□ Baseline □ Missed
□ Wrong Peak



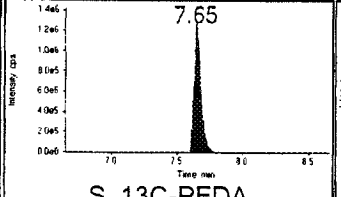
18O-PFHS
403.0/103.0 Da
□ Baseline □ Missed
□ Wrong Peak



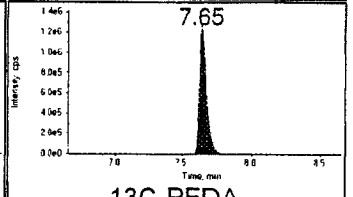
S_18O-PFHS
403.0/103.0 Da
□ Baseline □ Missed
□ Wrong Peak



13C-PFDA
515.0/470.0 Da
□ Baseline □ Missed
□ Wrong Peak



S_13C-PFDA
515.0/470.0 Da
□ Baseline □ Missed
□ Wrong Peak



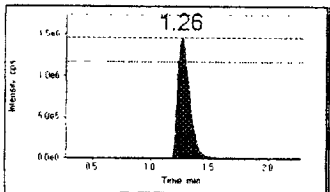
13C-PFDA
515.0/470.0 Da
□ Baseline □ Missed
□ Wrong Peak

☐ Before ☐ After

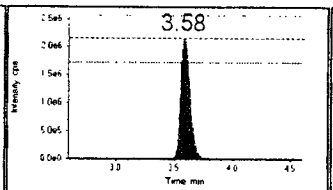
Columbia Analytical Services

Ion Ratio Confirmation

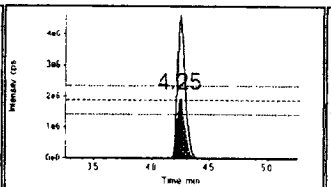
KQ1000620-03



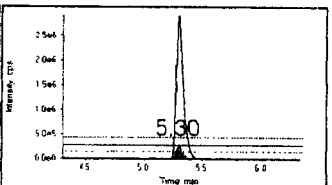
PFBA 2
213.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



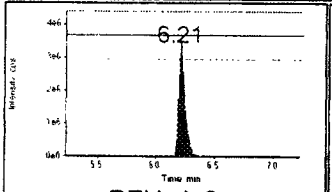
PFPeA 2
263.0/219.0 Da
□ Baseline □ Missed
□ Wrong Peak



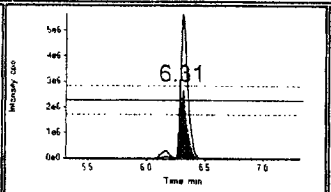
PFBS 2
299.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



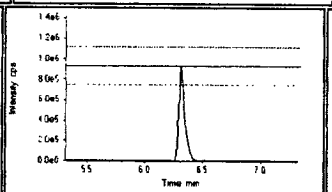
PFHxA 2
313.0/119.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFHpA 2
363.0/319.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFHxS 2
399.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



S_13C-PFDA
515.0/470.0 Da
□ Baseline □ Missed
□ Wrong Peak

This image is not available

N/A

□ Baseline □ Missed
□ Wrong Peak

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

☐ Before ☐ After

Columbia Analytical Services

Created with Analyst Reporter
Printed: 14/02/2010 6:41:00 PM

Project	Ewan's Projects\PFCs
Data File	020810b\SamplesLong.wiff
Result Table	020810SamplesLong.rdb
Instrument Name	API 5000

Kleenex - 0.10 DMS

Sample Name	KQ1000620-04	**Injection Volume**	5
Acquisition Date	2/9/2010 2:49:36 AM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexLong.dam	**Dilution Factor**	1.00
Injection Vial	68	**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	3103900	1.39 (1.36)	3677500	24.400	No
PFNA 1	13C-PFNA	2051400	2.34 (2.42)	4273700	18.200	No
PFOS 1	13C-PFOS	4511700	2.35 (2.53)	15682000	32.600	No
PFDA 1	13C-PFDA	2374100	3.32 (3.34)	3291000	13.100	No
PFUnA 1	13C-PFUnA	75386	4.09 (4.06)	1673800	23.500	No
PFDS 1	13C-PFOS	4511700	4.10 (4.10)	5610800	11.000	No
PFDoA 1	13C-PFDoA	77328	4.73 (4.63)	1167500	27.800	No
PFTrA 1	13C-PFDoA	77328	5.26 (5.14)	612880	22.500	No
PFTeA 1	13C-PFDoA	77328	5.71 (5.74)	345520	16.900	No

EXP
2/14/10

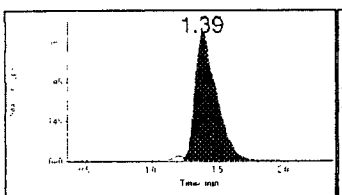
Columbia Analytical Services

IRC Summary

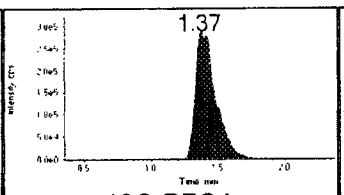
Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFOA 2	1.39 (1.36)	8571100	No	2.33 (2.38)	YES
S_13C_PFOA	1.37 (1.36)	3103900	No	0.84 (50.17)	No
PFNA 2	2.30 (2.44)	1426000	No	0.33 (0.28)	YES
S_13C_PFNA	2.31 (2.44)	2051400	No	0.48 (19.17)	No
PFOS 2	2.35 (2.53)	5014100	No	0.32 (0.32)	YES
S_13C-PFOS	2.36 (2.53)	4511700	No	0.29 (22.53)	No
PFDA 2	3.31 (3.34)	497670	No	0.15 (0.15)	YES
S_13C-PFDA	3.31 (3.34)	2374100	No	0.72 (22.10)	No
PFUnA 2	4.10 (4.06)	399530	No	0.24 (0.22)	YES
S_13C-PFUnA	4.10 (4.06)	75386	No	0.05 (1.86)	No
PFDS 2	4.10 (4.10)	1781400	No	0.32 (0.32)	YES
PFDoA 2	4.73 (4.64)	324640	No	0.28 (0.29)	YES
S_13C-PFDoA	4.74 (4.64)	77328	No	0.07 (3.08)	No
PFTrA 2	5.26 (5.13)	212670	No	0.35 (0.32)	YES
PFTeA 2	5.71 (5.56)	123070	No	0.36 (0.36)	YES

Quantitative Peak Review

KQ1000620-04



PFOA 1
413.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



13C-PFOA
417.0/372.0 Da
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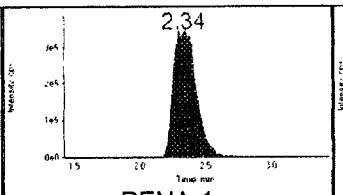
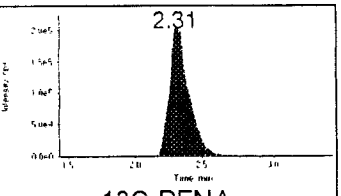
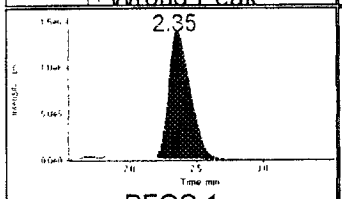
□ Wrong Peak



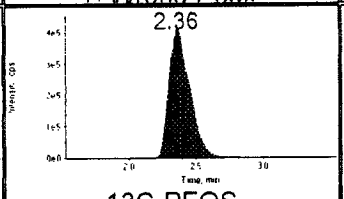
PFNA 1
463.0/419.0 Da
□ Baseline □ Missed
□ Wrong Peak



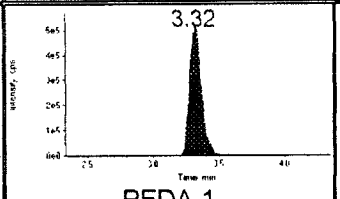
13C-PFNA
468.0/423.0 Da
□ Baseline □ Missed
□ Wrong Peak



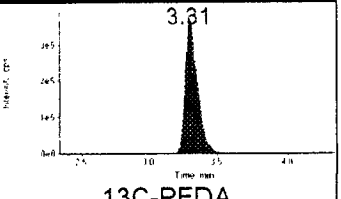
PFOS 1
499.0/80.0 Da
□ Baseline □ Missed
□ Wrong Peak



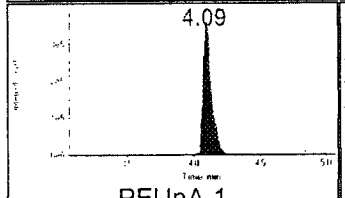
13C-PFOS
503.0/80.0 Da
□ Baseline □ Missed
□ Wrong Peak



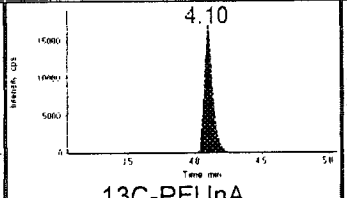
PFDA 1
513.0/469.0 Da
□ Baseline □ Missed
□ Wrong Peak



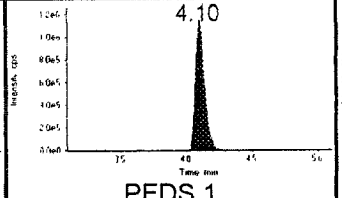
13C-PFDA
515.0/470.0 Da
□ Baseline □ Missed
□ Wrong Peak



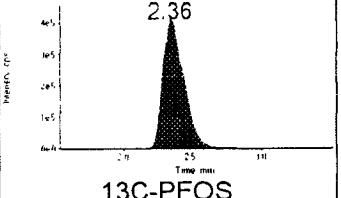
PFUnA 1
563.0/519.0 Da
□ Baseline □ Missed
□ Wrong Peak



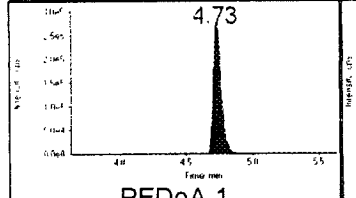
13C-PFUnA
565.0/270.0 Da
□ Baseline □ Missed
□ Wrong Peak



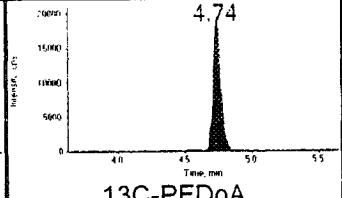
PFDS 1
599.0/80.0 Da
□ Baseline □ Missed
□ Wrong Peak



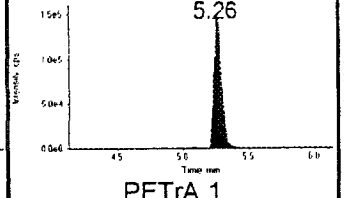
13C-PFOS
503.0/80.0 Da
□ Baseline □ Missed
□ Wrong Peak



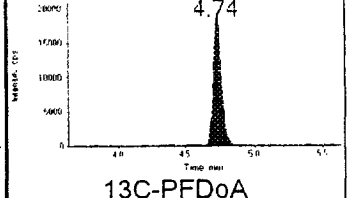
PFDoA 1
613.0/569.0 Da
□ Baseline □ Missed
□ Wrong Peak



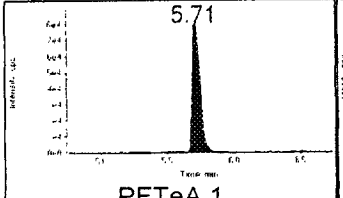
13C-PFDoA
615.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



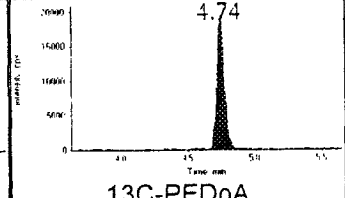
PFTrA 1
663.0/619.0 Da
□ Baseline □ Missed
□ Wrong Peak



13C-PFDoA
615.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFTeA 1
713.0/669.0 Da
□ Baseline □ Missed
□ Wrong Peak



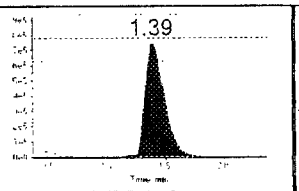
13C-PFDoA
615.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak

☐ Before ☐ After

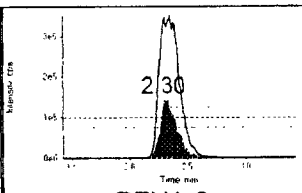
Columbia Analytical Services

Ion Ratio Confirmation

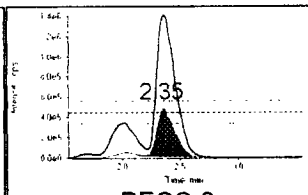
KQ1000620-04



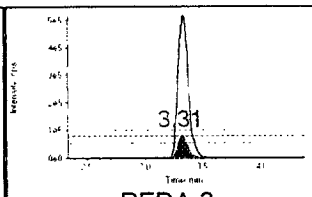
PFOA 2
413.0/369.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



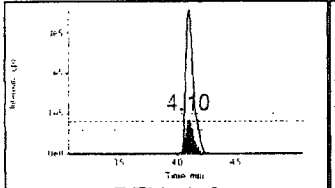
PFNA 2
463.0/219.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



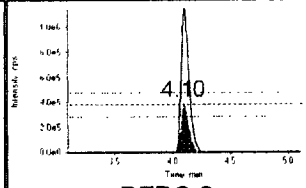
PFOS 2
499.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



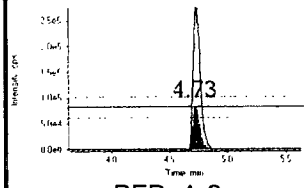
PFDA 2
513.0/269.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



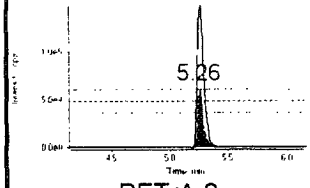
PFUnA 2
563.0/269.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



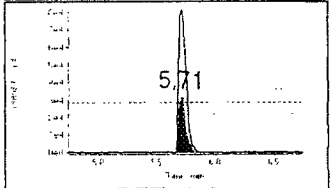
PFDS 2
599.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFDoA 2
613.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTrA 2
663.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTeA 2
713.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

☐ Before ☐ After

Columbia Analytical Services

Project	Ewan's Projects\PFCs
Data File	020810\SamplesShort.wiff
Result Table	020810SamplesShortedit.rdb
Instrument Name	API 5000

Sample Name	KQ1000620-04 468-10 DMS	**Injection Volume**	5
Acquisition Date	2/9/2010 2:15:44 PM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexShort.dam	**Dilution Factor**	1.00
Injection Vial	68	**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	4259800	1.26 (1.27)	9880600	21.90	No
PFPeA 1	13C-PFHxA	5160300	3.58 (3.60)	11205000	22.70	No
PFBS 1	18O-PFHS	3066700	4.25 (4.26)	20699000	21.60	No
PFHxA 1	13C-PFHxA	5160300	5.30 (5.31)	12208000	23.90	No
PFHpA 1	13C-PFHxA	5160300	6.22 (6.23)	4378700	22.00	No
PFHxS 1	18O-PFHS	3066700	6.31 (6.32)	22943000	26.50	No
S_18O-PFHS	13C-PFDA	4359900	6.31 (6.31)	3066700	0.80	No
S_13C-PFDA	13C-PFDA	4359900	7.65 (7.65)	4359900	1.00	No

EFS 2/15/10

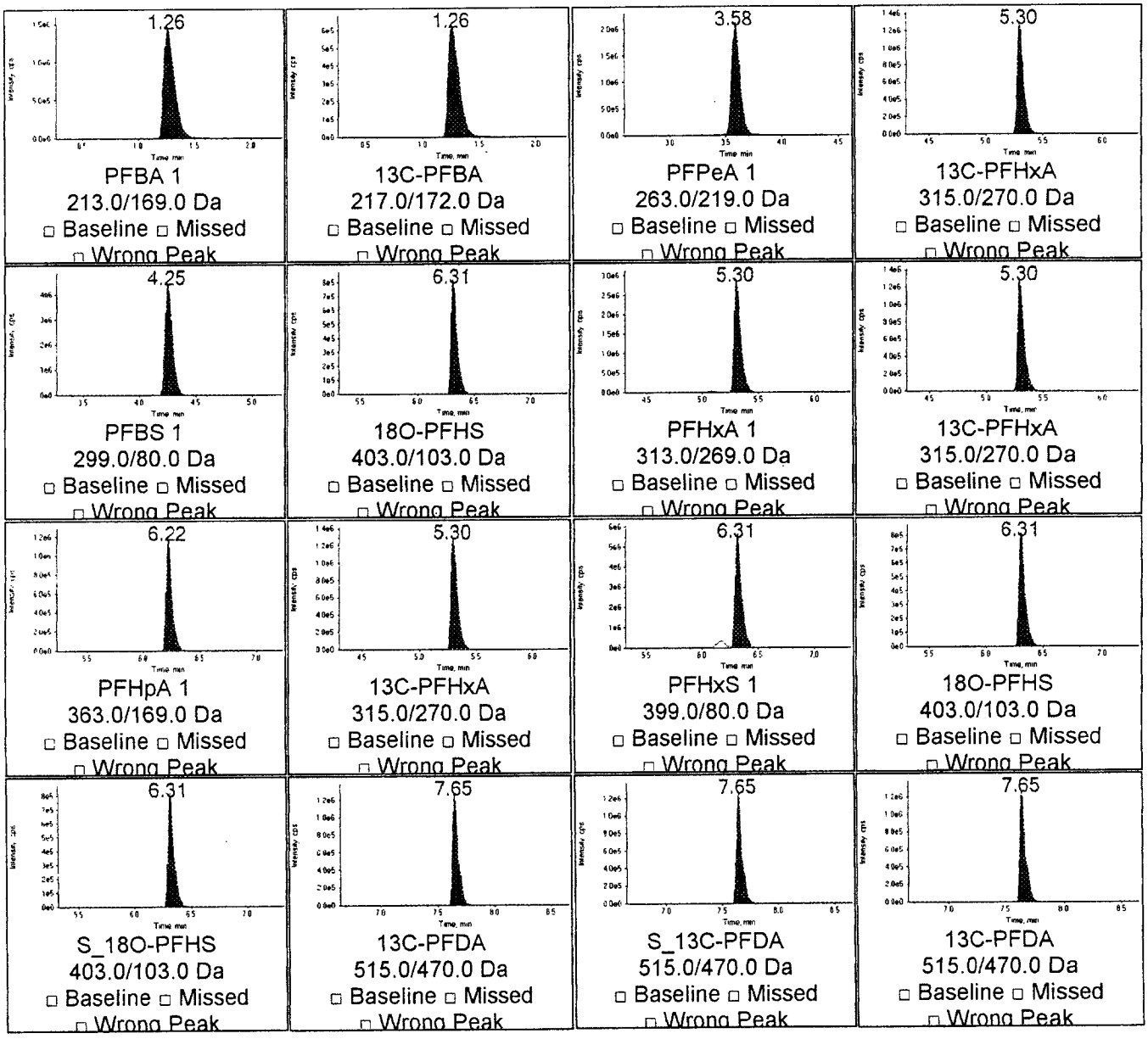
IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFBA 2	1.26 (1.27)	9880600	No	1.00 (1.00)	YES
PFPeA 2	3.58 (3.60)	11205000	No	1.00 (1.00)	YES
PFBS 2	4.25 (4.26)	8785200	No	0.42 (0.40)	YES
PFHxA 2	5.30 (5.31)	1157500	No	0.09 (0.10)	YES
PFHpA 2	6.22 (6.22)	12493000	No	2.85 (3.03)	YES
PFHxS 2	6.31 (6.32)	9897500	No	0.43 (0.40)	YES
S_13C-PFBA	1.26 (1.26)	4259800	No	0.43 (13.55)	No
S_13C-PFHxA	5.30 (5.30)	5160300	No	0.42 (13.06)	No

Columbia Analytical Services

Quantitative Peak Review

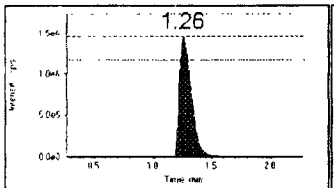
KQ1000620-04



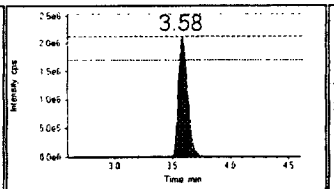
☐ Before ☐ After

Columbia Analytical Services

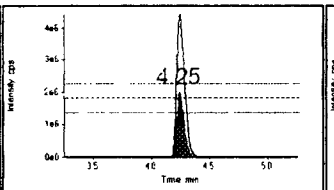
Ion Ratio Confirmation KQ1000620-04



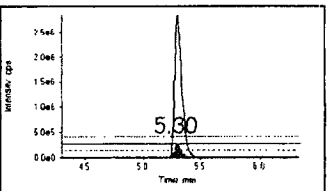
PFBA 2
213.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



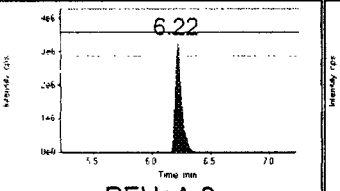
PFPeA 2
263.0/219.0 Da
□ Baseline □ Missed
□ Wrong Peak



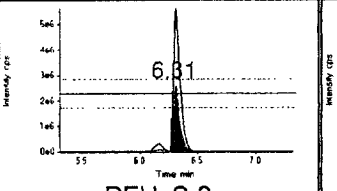
PFBS 2
299.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



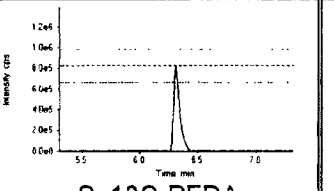
PFHxA 2
313.0/119.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFHpA 2
363.0/319.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFHxS 2
399.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



S_13C-PFDA
515.0/470.0 Da
□ Baseline □ Missed
□ Wrong Peak

This image is not available

N/A

□ Baseline □ Missed
□ Wrong Peak

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

☐ Before ☐ After

Columbia Analytical Services

Project	Ewan's Projects\PFCs
Data File	020910\Samplesshort.wiff
Result Table	020810SamplesShortedit.rdb
Instrument Name	API 5000

Sample Name	KQ1000620-01 468-11 MS	**Injection Volume**	5
Acquisition Date	2/9/2010 4:56:19 PM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexShort.dam	**Dilution Factor**	1.00
Injection Vial	23	**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	4214700	1.26 (1.27)	10378000	23.20	No
PFPeA 1	13C-PFHxA	4994800	3.59 (3.60)	13234000	27.70	No
PFBS 1	18O-PFHS	3302300	4.25 (4.26)	23412000	22.90	No
PFHxA 1	13C-PFHxA	4994800	5.31 (5.31)	14640000	30.40	No
PFHpA 1	13C-PFHxA	4994800	6.22 (6.23)	5126300	26.70	No
PFHxS 1	18O-PFHS	3302300	6.32 (6.32)	32353000	37.60	No
S_18O-PFHS	13C-PFDA	4280400	6.32 (6.31)	3302300	0.88	No
S_13C-PFDA	13C-PFDA	4280400	7.65 (7.65)	4280400	1.00	No

2/16/10

2/15/10

Columbia Analytical Services

IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFBA 2	1.26 (1.27)	10378000	No	1.00 (1.00)	YES
PFPeA 2	3.59 (3.60)	13234000	No	1.00 (1.00)	YES
PFBS 2	4.25 (4.26)	9933600	No	0.42 (0.40)	YES
PFHxA 2	5.31 (5.31)	1471500	No	0.10 (0.10)	YES
PFHpA 2	6.22 (6.22)	13804000	No	2.69 (3.03)	YES
PFHxS 2	6.32 (6.32)	16038000	No	0.50 (0.40)	YES
S_13C-PFBA	1.26 (1.26)	4214700	No	0.41 (13.55)	No
S_13C-PFHxA	5.31 (5.30)	4994800	No	0.34 (13.06)	No

Columbia Analytical Services

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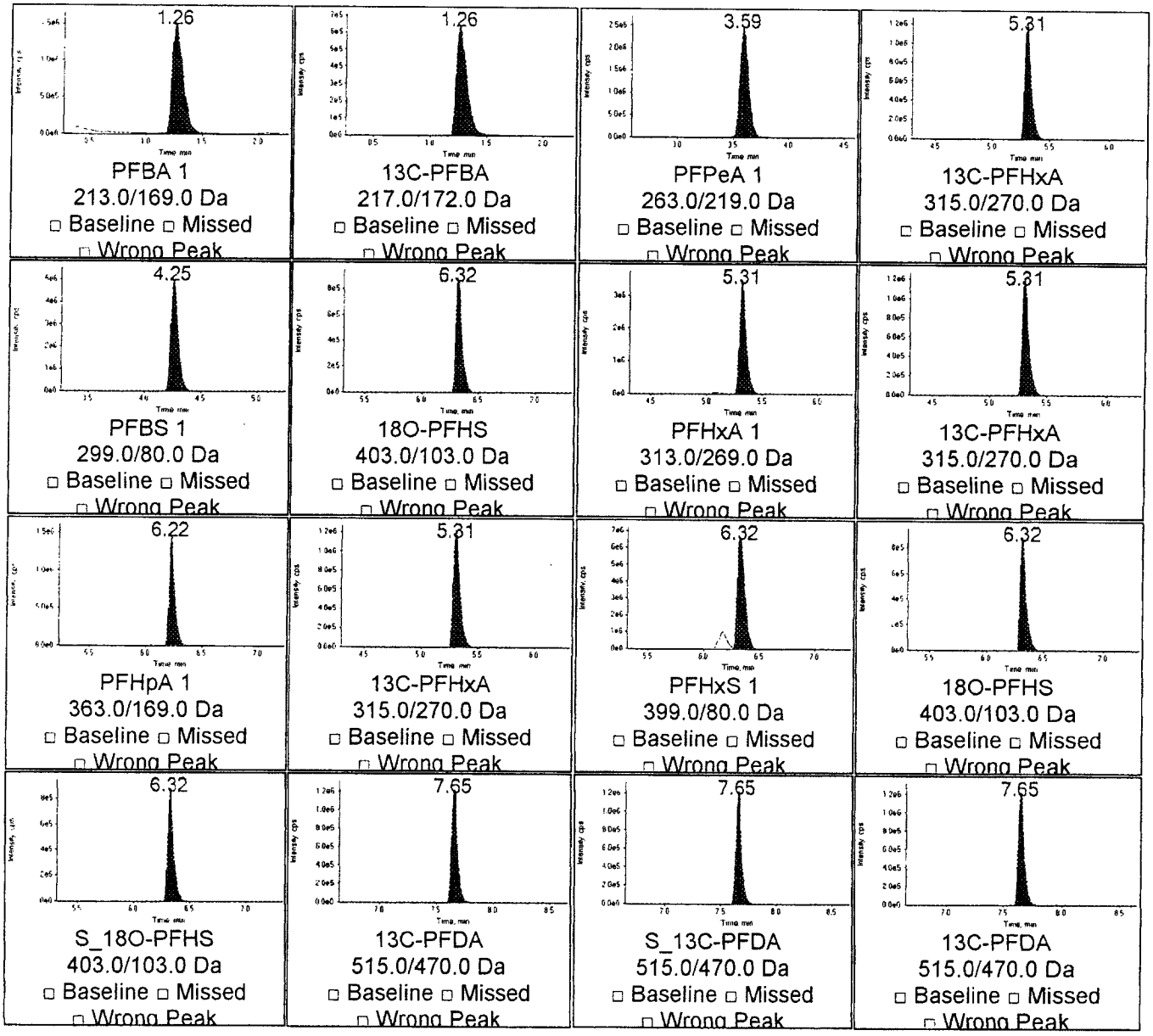
Printed: 15/02/2010 2:34:00 PM

Quantitative Peak Review

KQ1000620-01

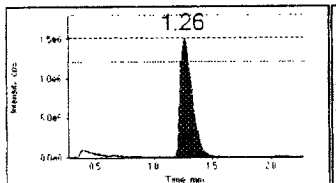


☐ Before ☐ After

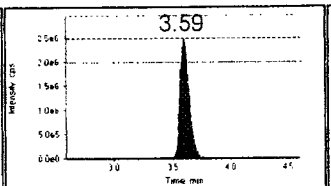
Columbia Analytical Services

Ion Ratio Confirmation

KQ1000620-01



PFBA 2
213.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFPeA 2
263.0/219.0 Da
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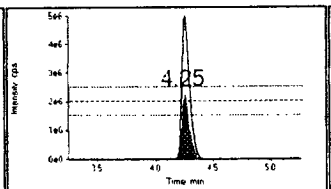
□ Wrong Peak



PFBS 2
299.0/99.0 Da
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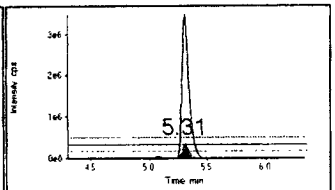
□ Wrong Peak



PFHxA 2
313.0/119.0 Da
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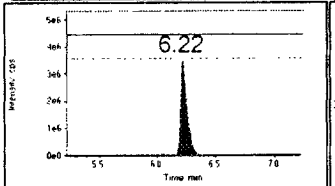
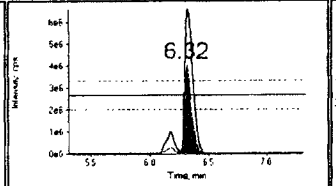
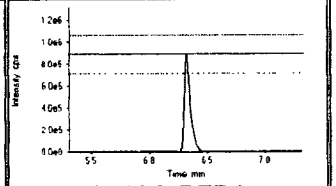
□ Wrong Peak



PFHpA 2
363.0/319.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFHxS 2
399.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



S_13C-PFDA
515.0/470.0 Da
□ Baseline □ Missed
□ Wrong Peak

This image is not available

N/A
□ Baseline □ Missed
□ Wrong Peak

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

☐ Before ☐ After

Columbia Analytical Services

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

L1000468-11 MS

Sample Name	KQ1000620-01	**Injection Volume**	5
Acquisition Date	2/17/2010 11:25:11 PM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexLong.dam	**Dilution Factor**	1.00
Injection Vial	23	**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	3208300	1.24 (1.36)	5749300	35.300	No
PFNA 1	13C-PFNA	2508200	2.00 (2.06)	5838700	21.400	No
PFOS 1	13C-PFOS	7403500	2.06 (2.09)	31342000	39.600	No
PFDA 1	13C-PFDA	2971200	3.08 (3.06)	4804900	15.700	No
PFUnA 1	13C-PFUnA	141100	3.84 (4.06)	2980500	20.200	No
PFDS 1	13C-PFOS	7403500	3.86 (3.87)	9878300	11.800	No
PFDoA 1	13C-PFDoA	140730	4.49 (4.55)	1926000	22.600	No
PFTrA 1	13C-PFDoA	140730	5.03 (5.06)	1015800	21.300	No
PFTeA 1	13C-PFDoA	140730	5.50 (5.51)	763940	21.300	No

2/18/10
2/18/10

Columbia Analytical Services

IRC Summary

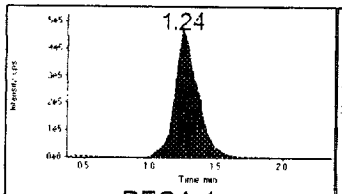
Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFOA 2	1.26 (1.36)	12744000	No	2.22 (2.16)	YES
S_13C_PFOA	1.24 (1.36)	3208300	No	0.56 (43.19)	No
PFNA 2	2.02 (2.08)	1893900	No	0.32 (0.34)	YES
S_13C_PFNA	0.00 (2.44)	0	No	0.00 (0.00)	No
PFOS 2	2.05 (2.12)	10691000	No	0.34 (0.32)	YES
S_13C-PFOS	2.04 (2.00)	7403500	No	0.24 (21.71)	No
PFDA 2	3.04 (3.06)	700880	No	0.15 (0.14)	YES
S_13C-PFDA	3.04 (3.04)	2971200	No	0.62 (17.53)	No
PFUnA 2	3.84 (3.88)	608500	No	0.20 (0.19)	YES
S_13C-PFUnA	3.86 (3.88)	141100	No	0.05 (1.60)	No
PFDS 2	3.86 (3.87)	3242000	No	0.33 (0.32)	YES
PFDoA 2	4.49 (4.53)	527580	No	0.27 (0.28)	YES
S_13C-PFDoA	4.50 (4.64)	140730	No	0.07 (3.71)	No
PFTrA 2	5.03 (5.13)	319340	No	0.31 (0.34)	YES
PFTeA 2	5.48 (5.56)	278780	No	0.36 (0.29)	No

Columbia Analytical Services

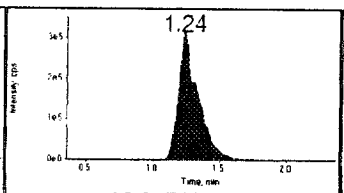
Created with Analyst Reporter
Printed: 18/02/2010 3:24:00 PM

Quantitative Peak Review

KQ1000620-01



PFOA 1
413.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



13C-PFOA
417.0/372.0 Da
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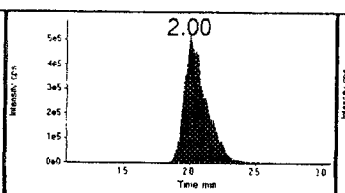
☐ Wrong Peak



PFNA 1
463.0/419.0 Da
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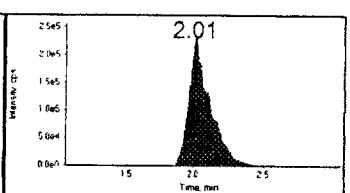
☐ Wrong Peak



13C-PFNA
468.0/423.0 Da
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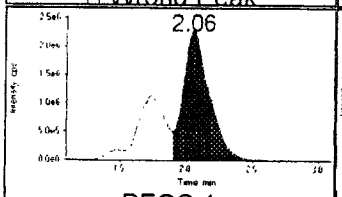
☐ Wrong Peak



PFOS 1
499.0/80.0 Da
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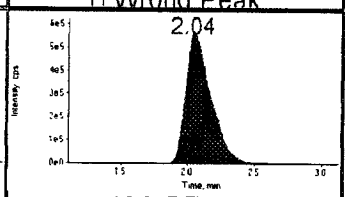
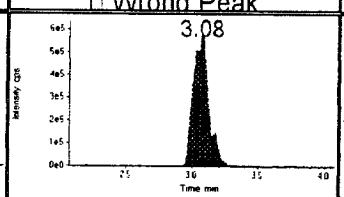
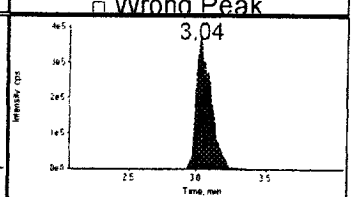
☐ Wrong Peak



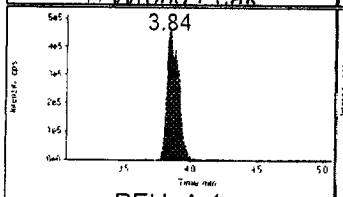
13C-PFOS
503.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



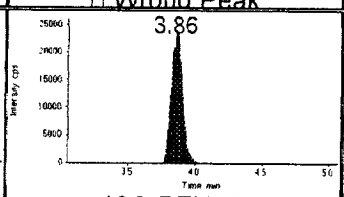
PFDA 1
513.0/469.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



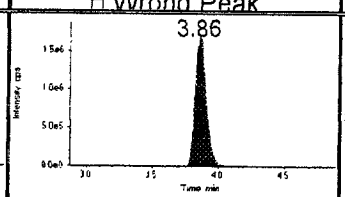
13C-PFDA
515.0/470.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



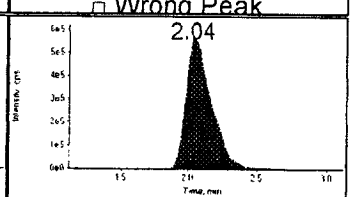
PFUnA 1
563.0/519.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



13C-PFUnA
565.0/270.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFDS 1
599.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



13C-PFOS
503.0/80.0 Da
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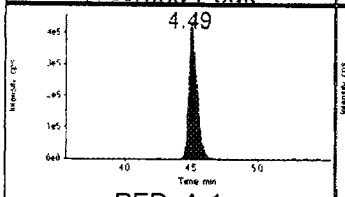
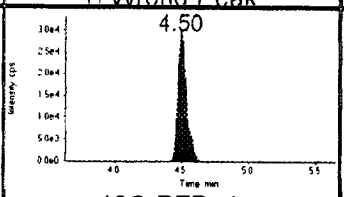
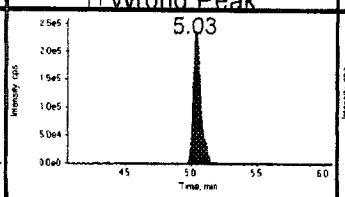
☐ Wrong Peak



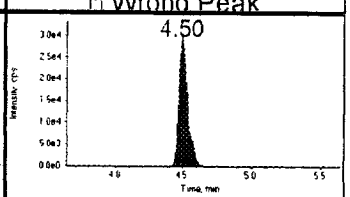
PFDoA 1
613.0/569.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



13C-PFDoA
615.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTrA 1
663.0/619.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



13C-PFDoA
615.0/169.0 Da
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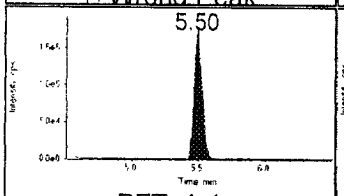
☐ Wrong Peak



PFTeA 1
713.0/669.0 Da
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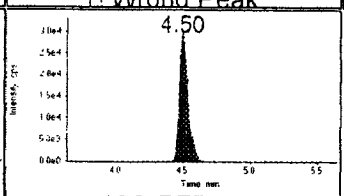
☐ Wrong Peak

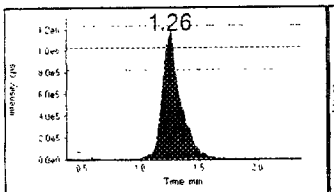


13C-PFDoA
615.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

☐ Before ☐ After

Ion Ratio Confirmation

KQ1000620-01



PFOA 2
413.0/369.0 Da
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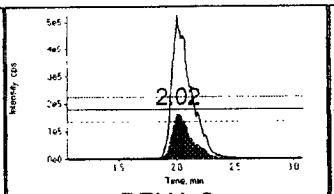
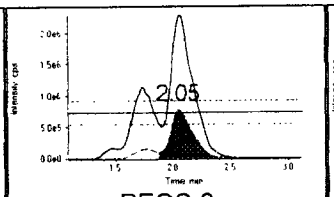
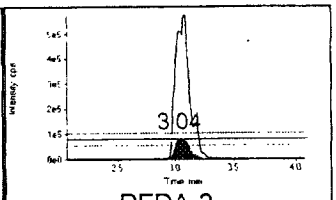
□ Wrong Peak



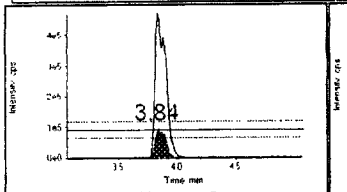
PFNA 2
463.0/219.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFOS 2
499.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFDA 2
513.0/269.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFUnA 2
563.0/269.0 Da
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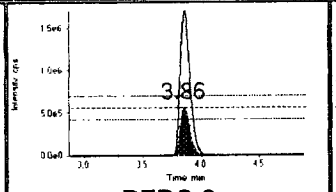
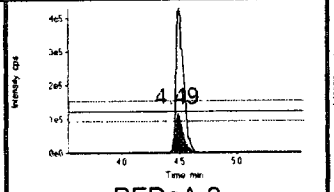
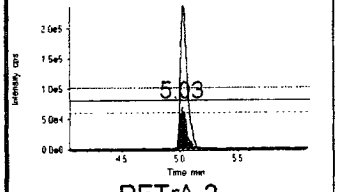
□ Wrong Peak



PFDS 2
599.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFDoA 2
613.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFTrA 2
663.0/169.0 Da
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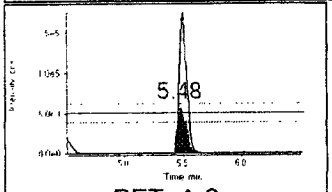
□ Wrong Peak



PFTeA 2
713.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak

☐ Before ☐ After

Columbia Analytical Services

Project	Ewan's Projects\PFCs
Data File	020910\Samplesshort.wiff
Result Table	020810SamplesShortedit.rdb
Instrument Name	API 5000

Sample Name	KQ1000620-02 968-11DMS	**Injection Volume**	5
Acquisition Date	2/9/2010 5:05:54 PM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexShort.dam	**Dilution Factor**	1.00
Injection Vial	24	**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	4214300	1.26 (1.27)	10275000	23.00	No
PFPeA 1	13C-PFHxA	5320100	3.59 (3.60)	13234000	26.00	No
PFBS 1	18O-PFHS	3336400	4.25 (4.26)	23296000	22.50	No
PFHxA 1	13C-PFHxA	5320100	5.30 (5.31)	14261000	27.50	No
PFHpA 1	13C-PFHxA	5320100	6.22 (6.23)	4921800	24.00	No
PFHxS 1	18O-PFHS	3336400	6.31 (6.32)	32324000	37.10	No
S_18O-PFHS	13C-PFDA	4022000	6.31 (6.31)	3336400	0.94	No
S_13C-PFDA	13C-PFDA	4022000	7.64 (7.65)	4022000	1.00	No

EFS 2/15/10

Columbia Analytical Services

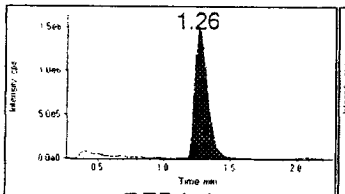
IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFBA 2	1.26 (1.27)	10275000	No	1.00 (1.00)	YES
PFPeA 2	3.59 (3.60)	13234000	No	1.00 (1.00)	YES
PFBS 2	4.25 (4.26)	9848700	No	0.42 (0.40)	YES
PFHxA 2	5.30 (5.31)	1412600	No	0.10 (0.10)	YES
PFHpA 2	6.22 (6.22)	13220000	No	2.69 (3.03)	YES
PFHxS 2	6.31 (6.32)	16255000	No	0.50 (0.40)	No
S_13C-PFBA	1.26 (1.26)	4214300	No	0.41 (13.55)	No
S_13C-PFHxA	5.30 (5.30)	5320100	No	0.37 (13.06)	No

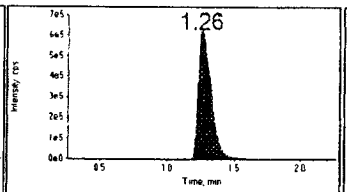
Columbia Analytical Services

Quantitative Peak Review

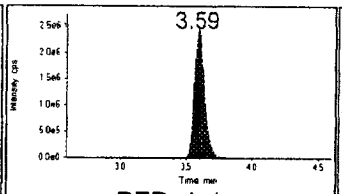
KQ1000620-02



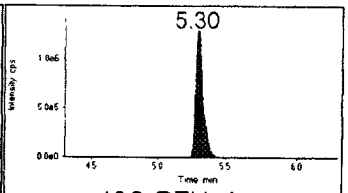
PFBA 1
213.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



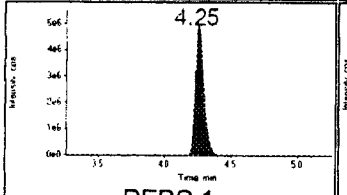
13C-PFBA
217.0/172.0 Da
□ Baseline □ Missed
□ Wrong Peak



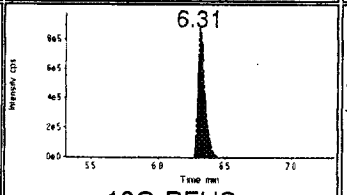
PFPeA 1
263.0/219.0 Da
□ Baseline □ Missed
□ Wrong Peak



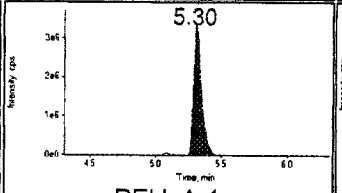
13C-PFHxA
315.0/270.0 Da
□ Baseline □ Missed
□ Wrong Peak



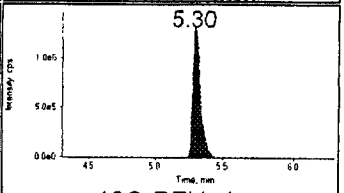
PFBS 1
299.0/80.0 Da
□ Baseline □ Missed
□ Wrong Peak



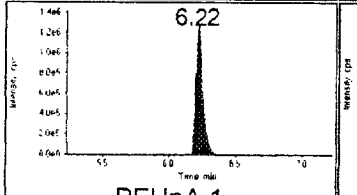
18O-PFHS
403.0/103.0 Da
□ Baseline □ Missed
□ Wrong Peak



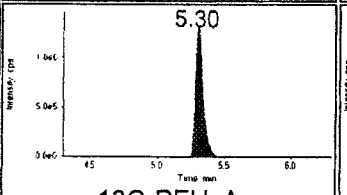
PFHxA 1
313.0/269.0 Da
□ Baseline □ Missed
□ Wrong Peak



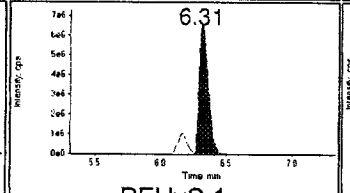
13C-PFHxA
315.0/270.0 Da
□ Baseline □ Missed
□ Wrong Peak



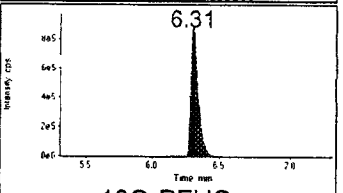
PFHpA 1
363.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



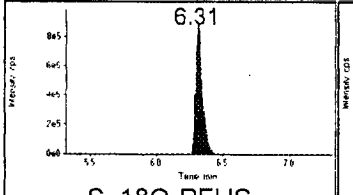
13C-PFHxA
315.0/270.0 Da
□ Baseline □ Missed
□ Wrong Peak



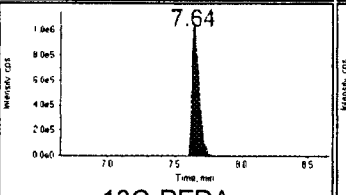
PFHxS 1
399.0/80.0 Da
□ Baseline □ Missed
□ Wrong Peak



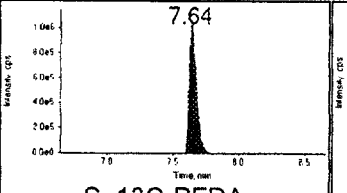
18O-PFHS
403.0/103.0 Da
□ Baseline □ Missed
□ Wrong Peak



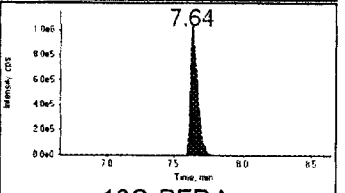
S_18O-PFHS
403.0/103.0 Da
□ Baseline □ Missed
□ Wrong Peak



13C-PFDA
515.0/470.0 Da
□ Baseline □ Missed
□ Wrong Peak



S_13C-PFDA
515.0/470.0 Da
□ Baseline □ Missed
□ Wrong Peak



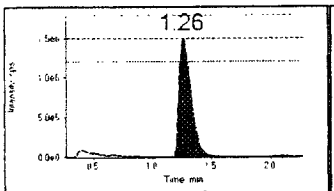
13C-PFDA
515.0/470.0 Da
□ Baseline □ Missed
□ Wrong Peak

☐ Before ☐ After

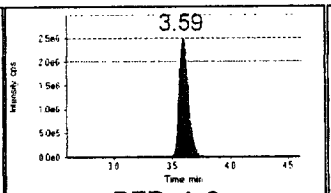
Columbia Analytical Services

Ion Ratio Confirmation

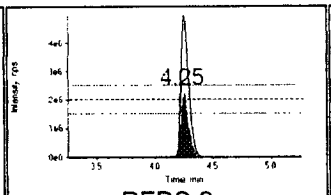
KQ1000620-02



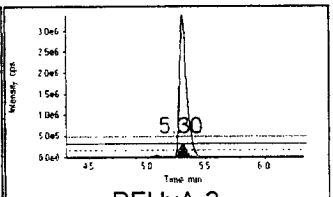
PFBA 2
213.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



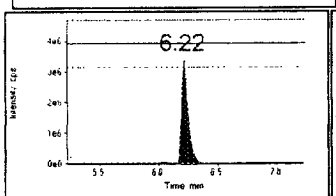
PFPeA 2
263.0/219.0 Da
□ Baseline □ Missed
□ Wrong Peak



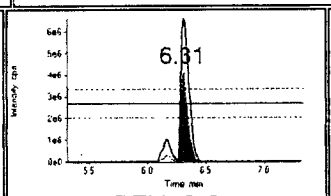
PFBS 2
299.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



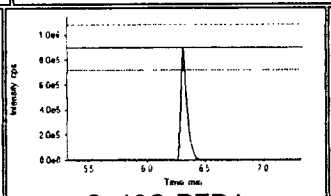
PFHxA 2
313.0/119.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFHpA 2
363.0/319.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFHxS 2
399.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



S_13C-PFDA
515.0/470.0 Da
□ Baseline □ Missed
□ Wrong Peak

This image is not available

N/A

□ Baseline □ Missed
□ Wrong Peak

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

☐ Before ☐ After

Columbia Analytical Services

Created with Analyst Reporter
Printed: 18/02/2010 3:24:00 PM

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

K1000968-011-DMS

Sample Name	KQ1000620-02	**Injection Volume**	5
Acquisition Date	2/17/2010 11:32:43 PM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexLong.dam	**Dilution Factor**	1.00
Injection Vial	24	**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	3101700	1.21 (1.36)	6154700	39.100	No
PFNA 1	13C-PFNA	2471900	1.97 (2.06)	5639900	21.000	No
PFOS 1	13C-PFOS	7509200	2.01 (2.09)	33440000	41.700	No
PFDA 1	13C-PFDA	2881600	3.02 (3.06)	5008800	16.800	No
PFUnA 1	13C-PFUnA	138680	3.82 (4.06)	3195800	22.000	No
PFDS 1	13C-PFOS	7509200	3.83 (3.87)	10251000	12.100	No
PFDoA 1	13C-PFDoA	148730	4.46 (4.55)	2010700	22.400	No
PFTrA 1	13C-PFDoA	148730	5.00 (5.06)	931760	18.400	No
PFTeA 1	13C-PFDoA	148730	5.47 (5.51)	932890	24.500	No

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2/18/10

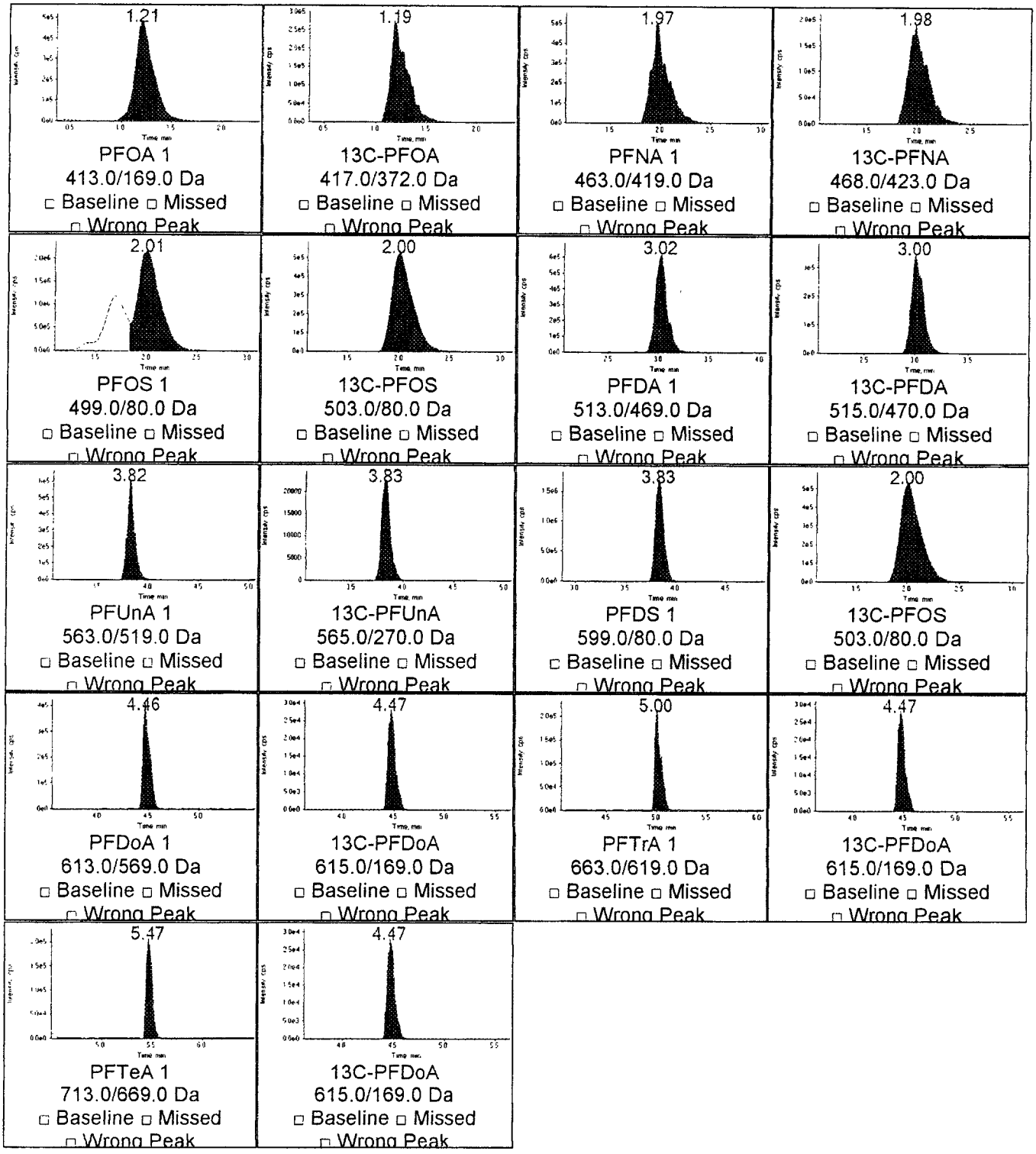
IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFOA 2	1.19 (1.36)	12697000	No	2.06 (2.16)	YES
S_13C_PFOA	1.19 (1.36)	3101700	No	0.50 (43.19)	No
PFNA 2	1.97 (2.08)	1799000	No	0.32 (0.34)	YES
S_13C_PFNA	0.00 (2.44)	0	No	0.00 (0.00)	No
PFOS 2	1.99 (2.12)	11179000	No	0.33 (0.32)	YES
S_13C-PFOS	2.00 (2.00)	7509200	No	0.22 (21.71)	No
PFDA 2	3.01 (3.06)	730930	No	0.15 (0.14)	YES
S_13C-PFDA	3.00 (3.04)	2881600	No	0.58 (17.53)	No
PFUnA 2	3.81 (3.88)	578150	No	0.18 (0.19)	YES
S_13C-PFUnA	3.83 (3.88)	138680	No	0.04 (1.60)	No
PFDS 2	3.83 (3.87)	3330500	No	0.32 (0.32)	YES
PFDoA 2	4.46 (4.53)	571530	No	0.28 (0.28)	YES
S_13C-PFDoA	4.47 (4.64)	148730	No	0.07 (3.71)	No
PFTrA 2	5.00 (5.13)	349410	No	0.38 (0.34)	YES
PFTeA 2	5.47 (5.56)	340820	No	0.37 (0.29)	No

Columbia Analytical Services

Quantitative Peak Review

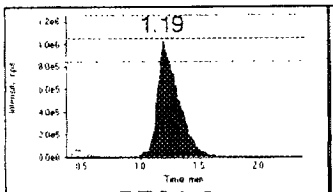
KQ1000620-02



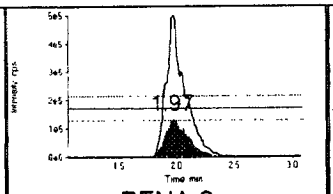
☐ Before ☐ After

Ion Ratio Confirmation

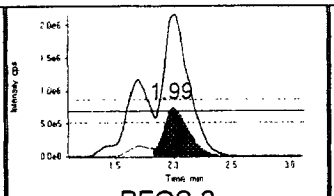
KQ1000620-02



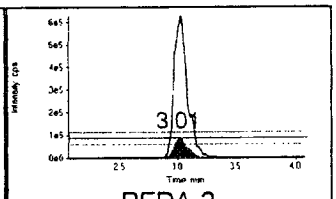
PFOA 2
413.0/369.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



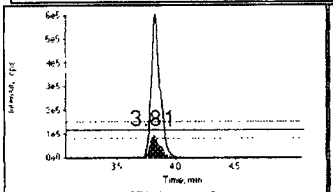
PFNA 2
463.0/219.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



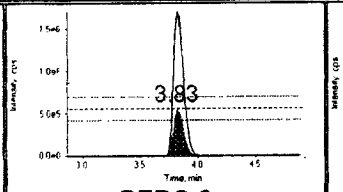
PFOS 2
499.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



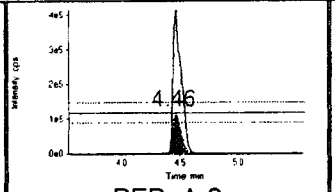
PFDA 2
513.0/269.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



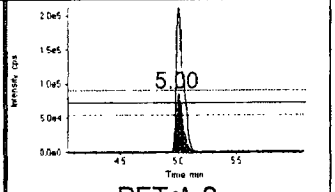
PFUnA 2
563.0/269.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



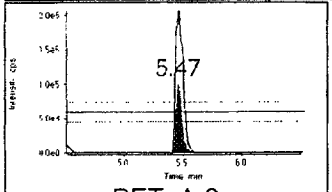
PFDS 2
599.0/99.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFDoA 2
613.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTrA 2
663.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTeA 2
713.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

☐ Before ☐ After

Columbia Analytical Services

Created with Analyst Reporter
Printed: 14/02/2010 6:41:00 PM

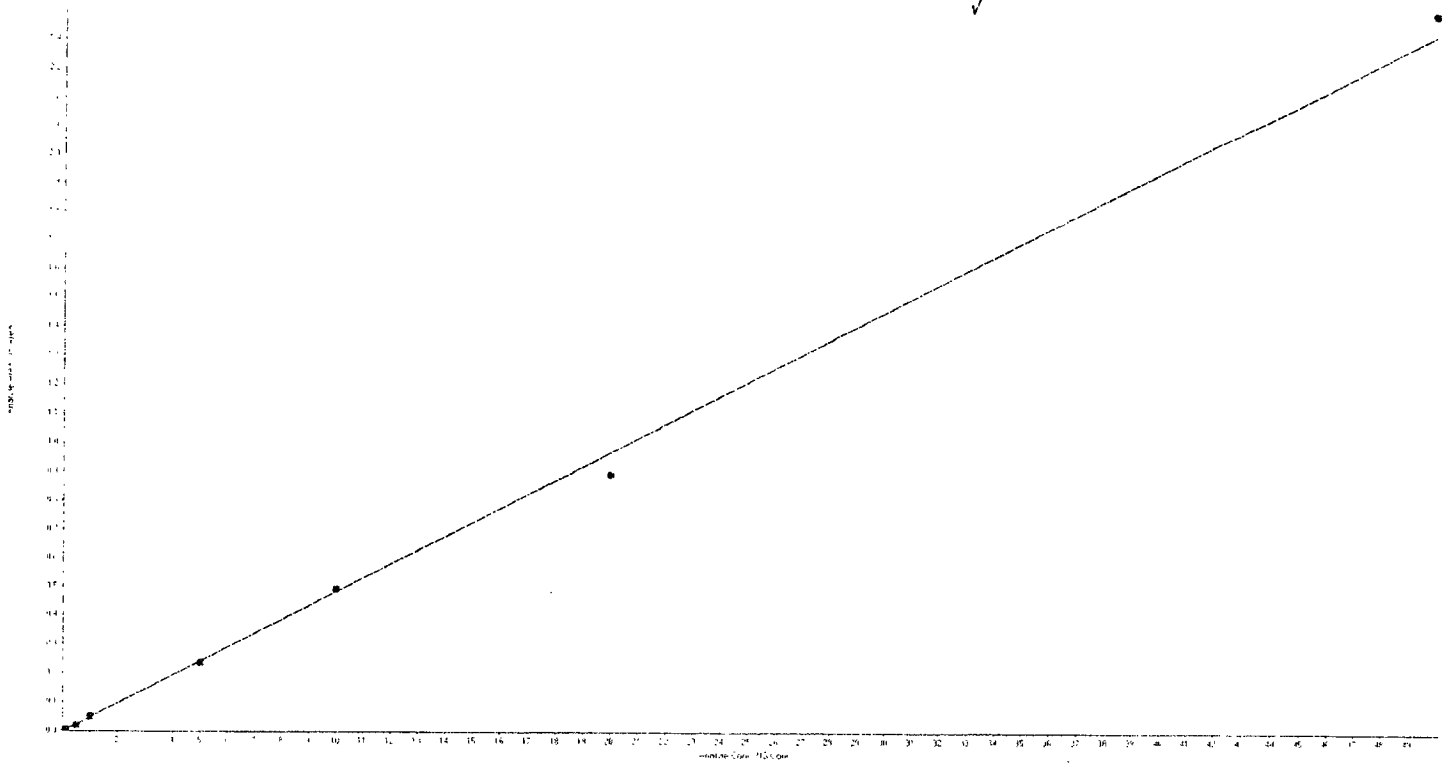
Analyte Name: PFOA 1
Internal Standard: 13C-PFOA

Data File	020810b\CalLong.wiff	**Result Table**	020810SamplesLong.rdb
Acquisition Date	2/8/2010 6:00:11 PM	**Algorithm Used**	IntelliQuan
Acquisition Method	PFCkinetexLong.dam	**Instrument Name**	API 5000
Project	Ewan's Projects\PFCs		

Regression Equation: y = 0.0486 x + -0.00166 (r = 0.9989)✓

Exp Conc (ng/mL)	# of Values	Mean Calc Conc (ng/mL)	% Accuracy	STD	%CV
0.1	1	0.109	109	NaN	NaN
0.5	1	0.444	89	NaN	NaN
1	1	1.070	107	NaN	NaN
5	1	4.884	98	NaN	NaN
10	1	10.218	102	NaN	NaN
20	1	18.401	92	NaN	NaN
50	1	51.474	103	NaN	NaN

✓



2/16/10
ECS
2/14/10

Columbia Analytical Services

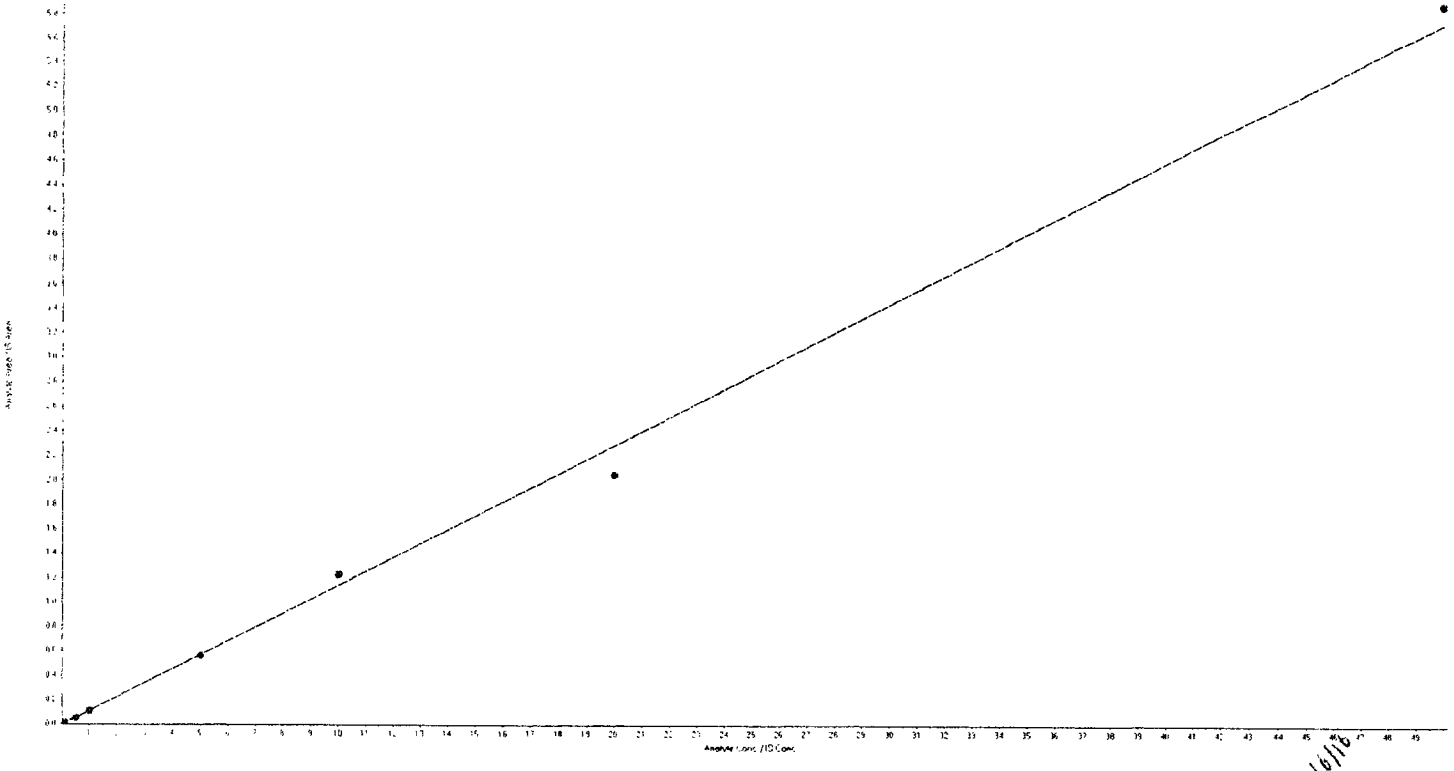
Created with Analyst Reporter
Printed: 14/02/2010 6:41:00 PM

Analyte Name: PFNA 1
Internal Standard: 13C-PFNA

Data File	020810b\CalLong.wiff	**Result Table**	020810SamplesLong.rdb
Acquisition Date	2/8/2010 6:00:11 PM	**Algorithm Used**	IntelliQuan
Acquisition Method	PFCkinetexLong.dam	**Instrument Name**	API 5000
Project	Ewan's Projects\PFCs		

Regression Equation: y = 0.115 x + -0.00273 (r = 0.9981) ✓

Exp Conc (ng/mL)	# of Values	Mean Calc Conc (ng/mL)	% Accuracy	STD	%CV
0.1	1	0.109	109	NaN	NaN
0.5	1	0.467	93	NaN	NaN
1	1	0.975	98	NaN	NaN
5	1	4.961	99	NaN	NaN
10	1	10.803	108	NaN	NaN
20	1	17.941	90	NaN	NaN
50	1	51.343	103	NaN	NaN



2/16/10

2/16/10

Columbia Analytical Services

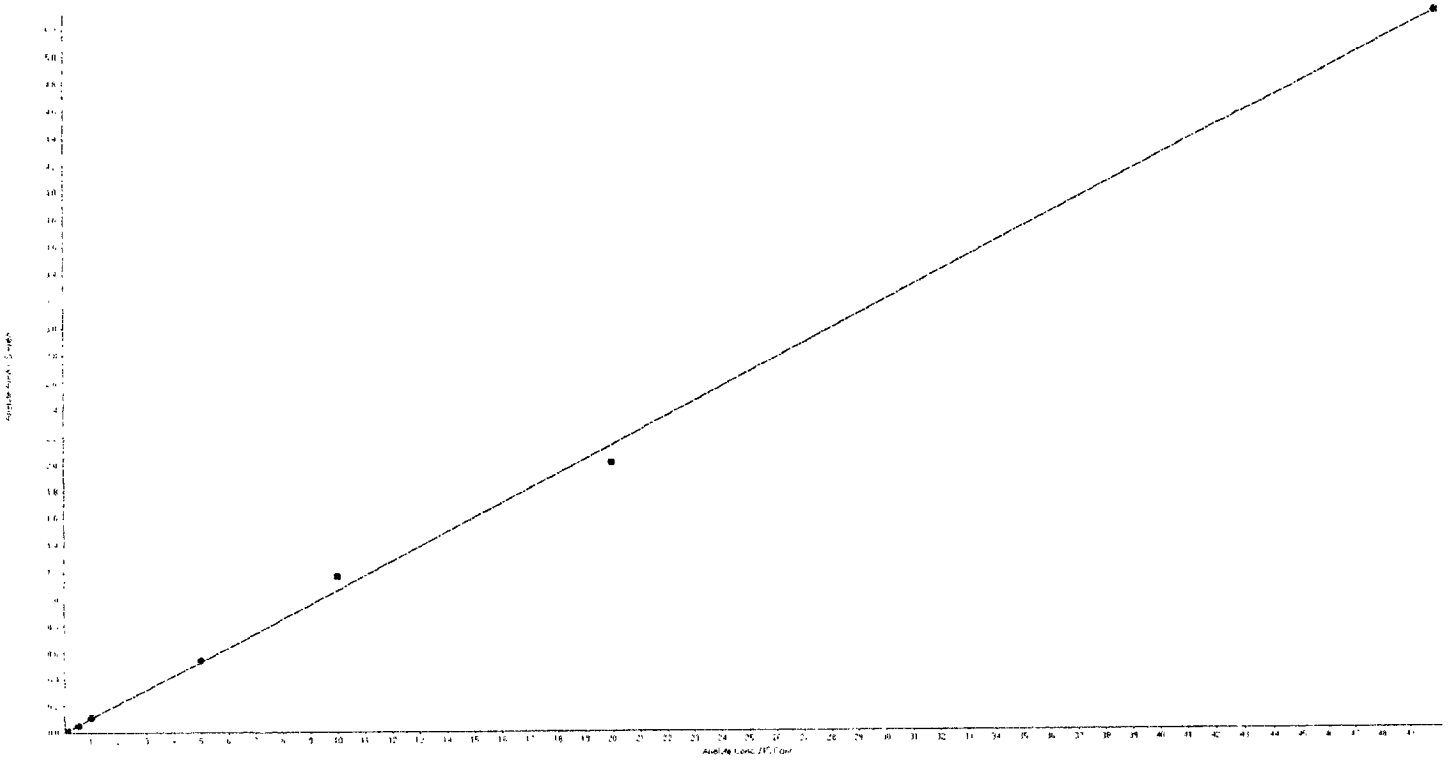
Created with Analyst Reporter
Printed: 14/02/2010 6:41:00 PM

Analyte Name: PFOS 1
Internal Standard: 13C-PFOS

Data File	020810b\CalLong.wiff	**Result Table**	020810SamplesLong.rdb
Acquisition Date	2/8/2010 6:00:11 PM	**Algorithm Used**	IntelliQuan
Acquisition Method	PFCkinetexLong.dam	**Instrument Name**	API 5000
Project	Ewan's Projects\PFCs		

Regression Equation: y = 0.107 x + -0.00155 (r = 0.9990)

Exp Conc (ng/mL)	# of Values	Mean Calc Conc (ng/mL)	% Accuracy	STD	%CV
0.1	1	0.089	89	NaN	NaN
0.5	1	0.488	98	NaN	NaN
1	1	1.059	106	NaN	NaN
5	1	5.162	103	NaN	NaN
10	1	10.967	110	NaN	NaN
20	1	18.843	94	NaN	NaN
50	1	49.992	100	NaN	NaN



2/14/10

2/14/10

Created with Analyst Reporter
Printed: 14/02/2010 6:41:00 PM

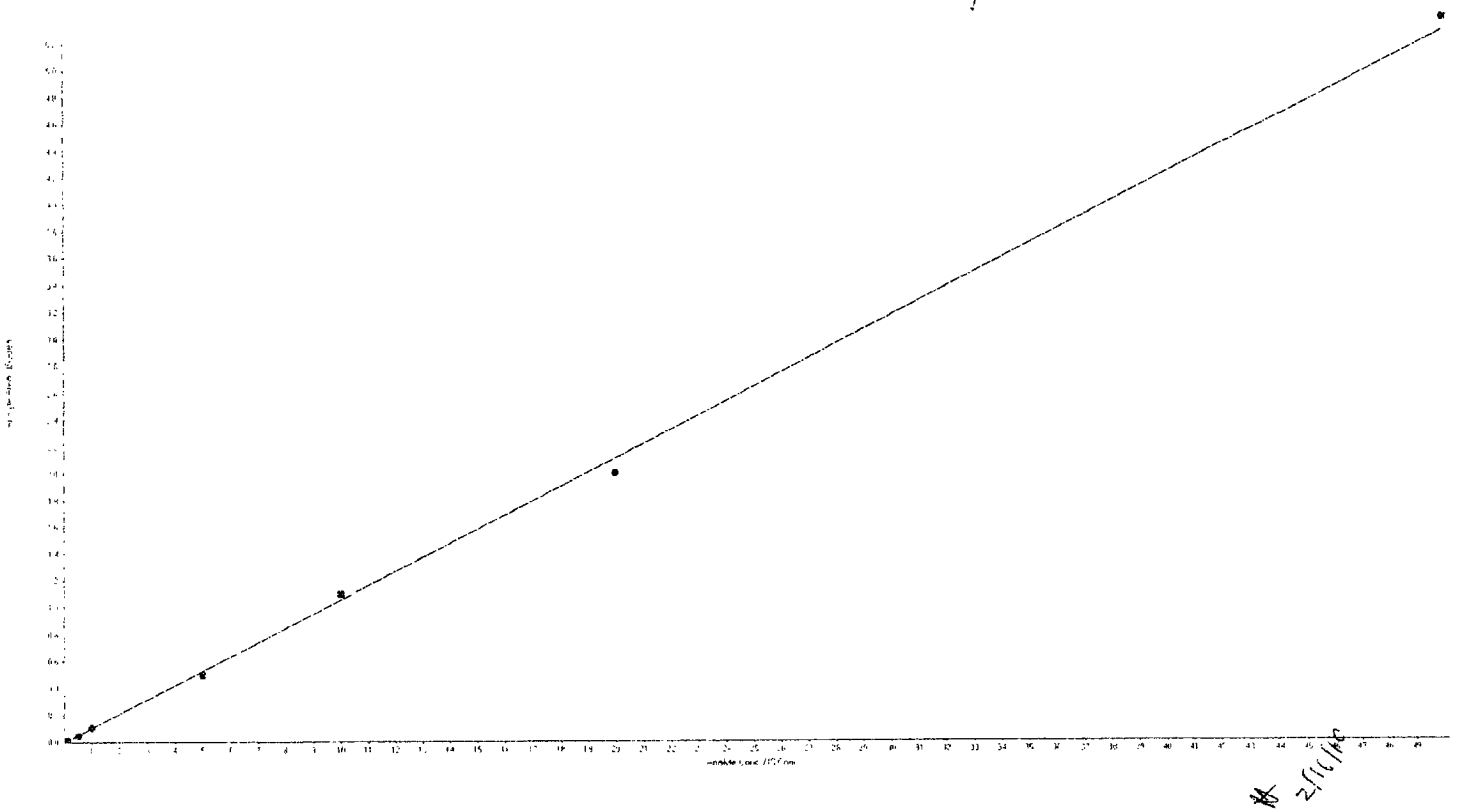
Columbia Analytical Services

Analyte Name: PFDA 1
Internal Standard: 13C-PFDA

Data File	020810b\CalLong.wiff	**Result Table**	020810SamplesLong.rdb
Acquisition Date	2/8/2010 6:00:11 PM	**Algorithm Used**	IntelliQuan
Acquisition Method	PFCkinetexLong.dam	**Instrument Name**	API 5000
Project	Ewan's Projects\PFCs		

Regression Equation: y = 0.106 x + -0.00306 (r = 0.9994)

Exp Conc (ng/mL)	# of Values	Mean Calc Conc (ng/mL)	% Accuracy	STD	%CV
0.1	1	0.108	108	NaN	NaN
0.5	1	0.477	95	NaN	NaN
1	1	1.023	102	NaN	NaN
5	1	4.698	94	NaN	NaN
10	1	10.406	104	NaN	NaN
20	1	18.965	95	NaN	NaN
50	1	50.923	102	NaN	NaN



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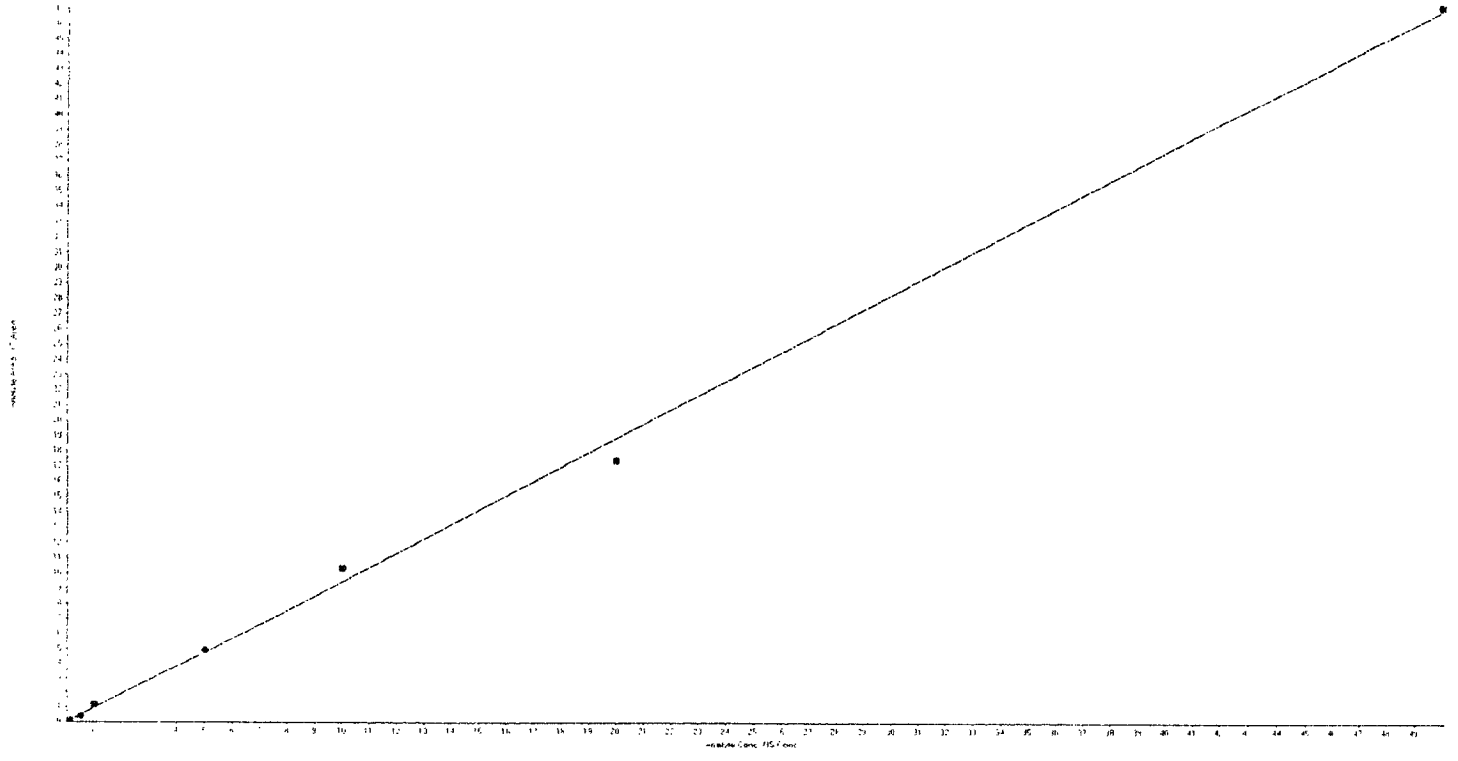
Printed: 14/02/2010 6:41:00 PM

Analyte Name: PFUnA 1
Internal Standard: 13C-PFUnA

Data File	020810b\CalLong.wiff	**Result Table**	020810SamplesLong.rdb
Acquisition Date	2/8/2010 6:00:11 PM	**Algorithm Used**	IntelliQuan
Acquisition Method	PFCkinetexLong.dam	**Instrument Name**	API 5000
Project	Ewan's Projects\PFCs		

Regression Equation: y = 0.943 x + 0.0207 (r = 0.9983)

Exp Conc (ng/mL)	# of Values	Mean Calc Conc (ng/mL)	% Accuracy	STD	%CV
0.1	1	0.092	92	NaN	NaN
0.5	1	0.411	82	NaN	NaN
1	1	1.199	120	NaN	NaN
5	1	5.187	104	NaN	NaN
10	1	10.978	110	NaN	NaN
20	1	18.446	92	NaN	NaN
50	1	50.287	101	NaN	NaN



EFS
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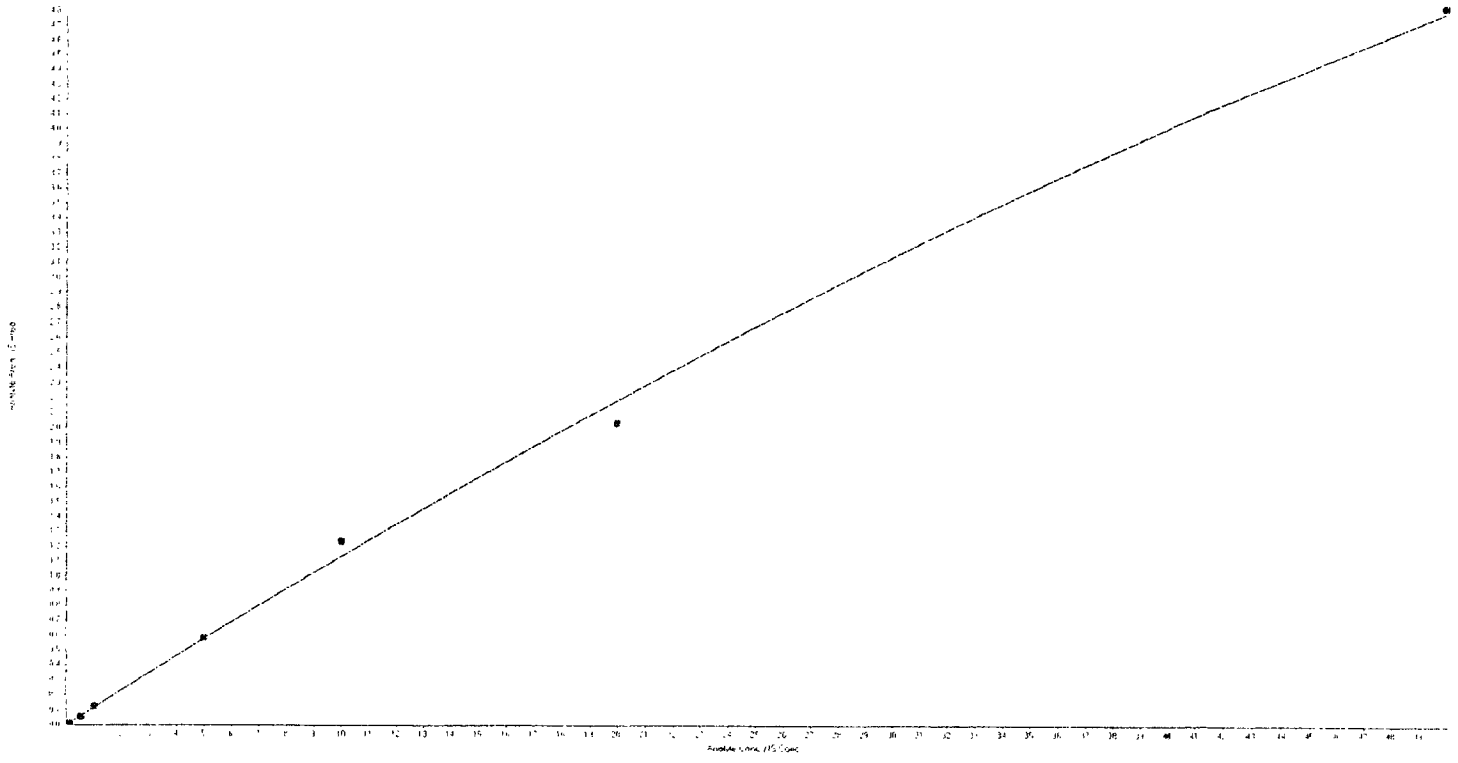
Columbia Analytical Services

Analyte Name: PFDS 1
Internal Standard: 13C-PFOS

Data File	020810b\CalLong.wiff	**Result Table**	020810SamplesLong.rdb
Acquisition Date	2/8/2010 6:00:11 PM	**Algorithm Used**	IntelliQuan
Acquisition Method	PFCkinetexLong.dam	**Instrument Name**	API 5000
Project	Ewan's Projects\PFCs		

Regression Equation: y = -0.000453 x^2 + 0.118 x + -0.00243 (r = 0.9987)

Exp Conc (ng/mL)	# of Values	Mean Calc Conc (ng/mL)	% Accuracy	STD	%CV
0.1	1	0.094	94	NaN	NaN
0.5	1	0.490	98	NaN	NaN
1	1	1.041	104	NaN	NaN
5	1	5.064	101	NaN	NaN
10	1	10.924	109	NaN	NaN
20	1	18.516	93	NaN	NaN
50	1	50.535	101	NaN	NaN



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EFS
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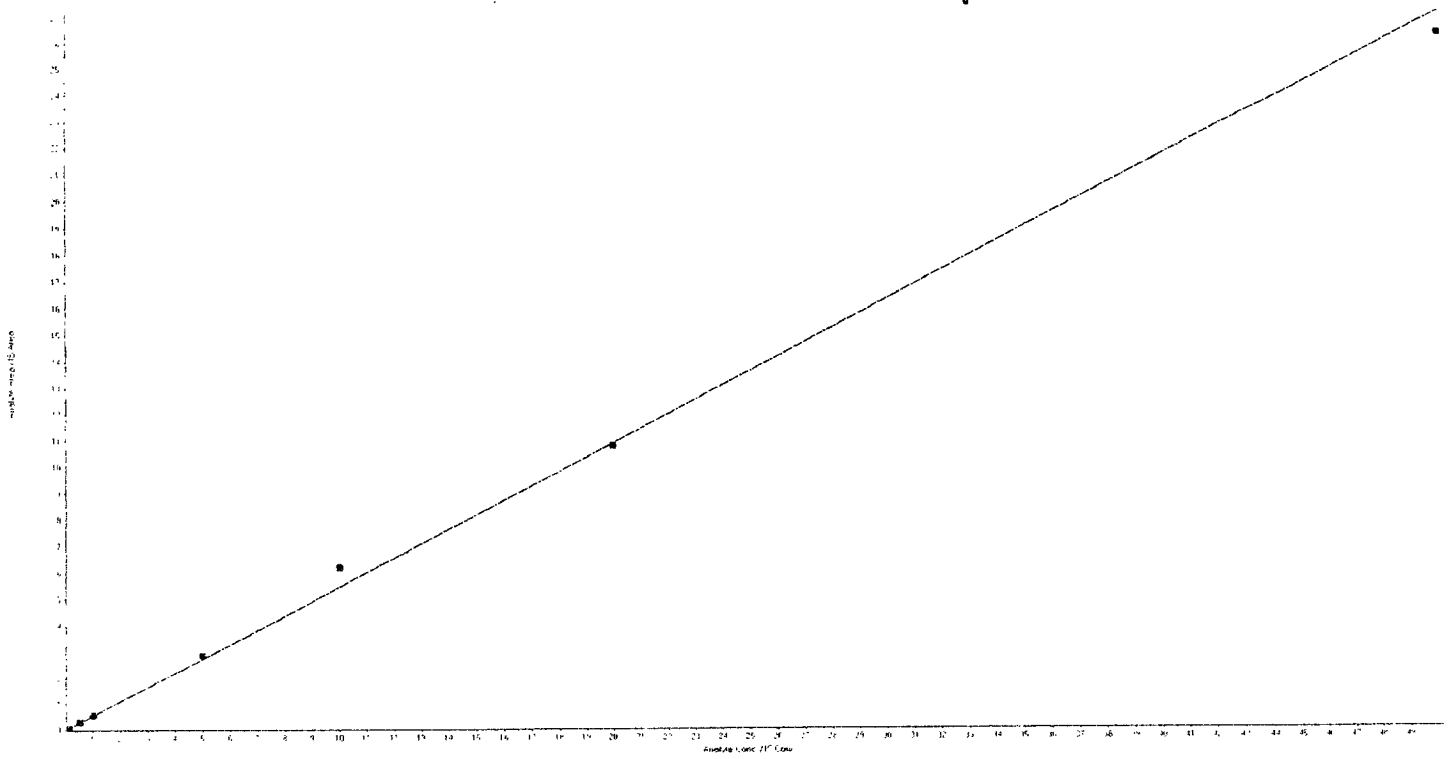
Columbia Analytical Services

Analyte Name: PFDoA 1
Internal Standard: 13C-PFDoA

Data File	020810b\CalLong.wiff	**Result Table**	020810SamplesLong.rdb
Acquisition Date	2/8/2010 6:00:11 PM	**Algorithm Used**	IntelliQuan
Acquisition Method	PFCkinetexLong.dam	**Instrument Name**	API 5000
Project	Ewan's Projects\PFCs		

Regression Equation: y = 0.543 x + 0.0188 (r = 0.9984)

Exp Conc (ng/mL)	# of Values	Mean Calc Conc (ng/mL)	% Accuracy	STD	%CV
0.1	1	0.082	82	NaN	NaN
0.5	1	0.518	104	NaN	NaN
1	1	0.985	99	NaN	NaN
5	1	5.302	106	NaN	NaN
10	1	11.377	114	NaN	NaN
20	1	19.829	99	NaN	NaN
50	1	48.506	97	NaN	NaN



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EES
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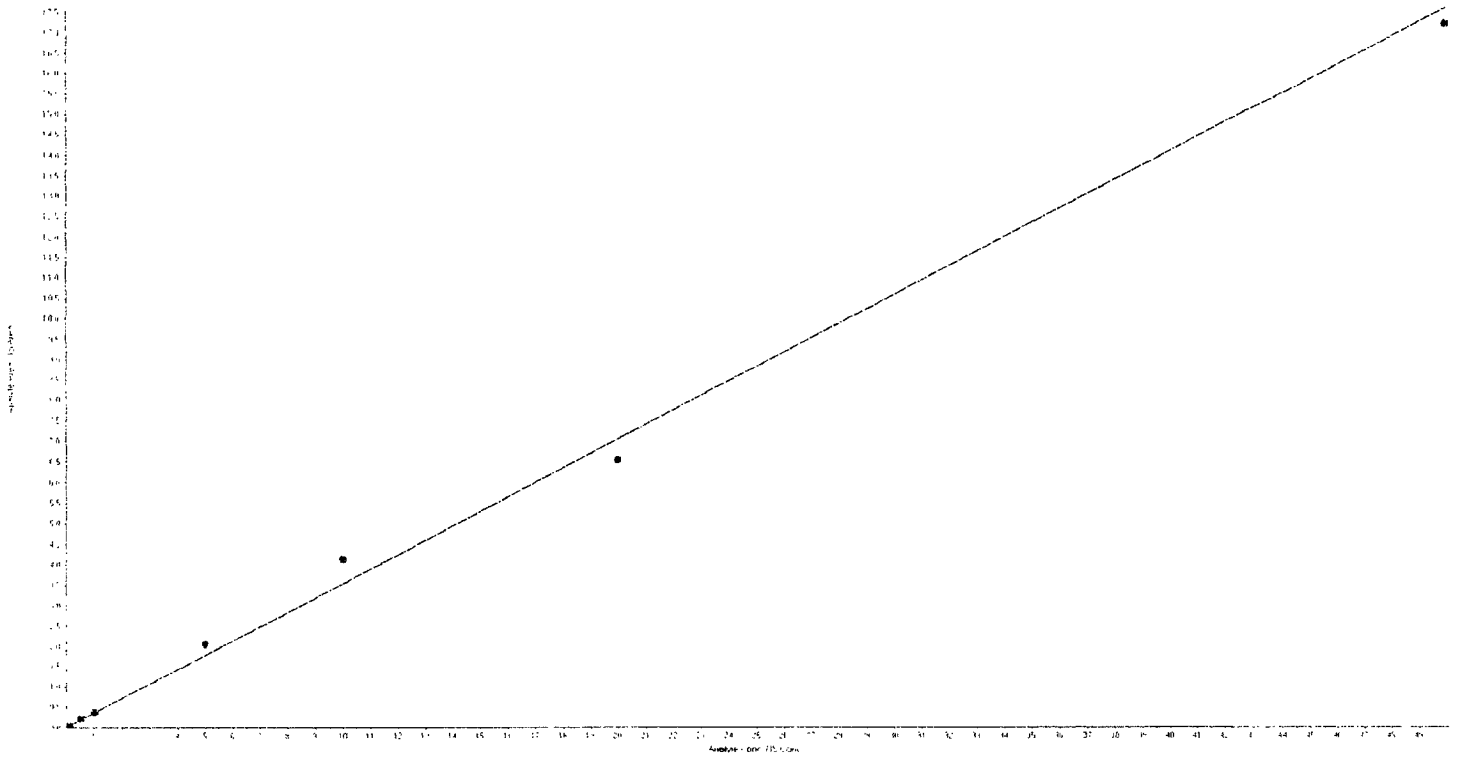
Analyte Name: PFTrA 1
Internal Standard: 13C-PFDoA

Data File	020810b\CalLong.wiff	**Result Table**	020810SamplesLong.rdb
Acquisition Date	2/8/2010 6:00:11 PM	**Algorithm Used**	IntelliQuan
Acquisition Method	PFCkinetexLong.dam	**Instrument Name**	API 5000
Project	Ewan's Projects\PFCs		

Regression Equation: y = 0.352 x + 0.013 (r = 0.9967)

Exp Conc (ng/mL)	# of Values	Mean Calc Conc (ng/mL)	% Accuracy	STD	%CV
0.1	1	0.062	62	NaN	NaN
0.5	1	0.567	113	NaN	NaN
1	1	1.018	102	NaN	NaN
5	1	5.785	116	NaN	NaN
10	1	11.661	117	NaN	NaN
20	1	18.568	93	NaN	NaN
50	1	48.939	98	NaN	NaN



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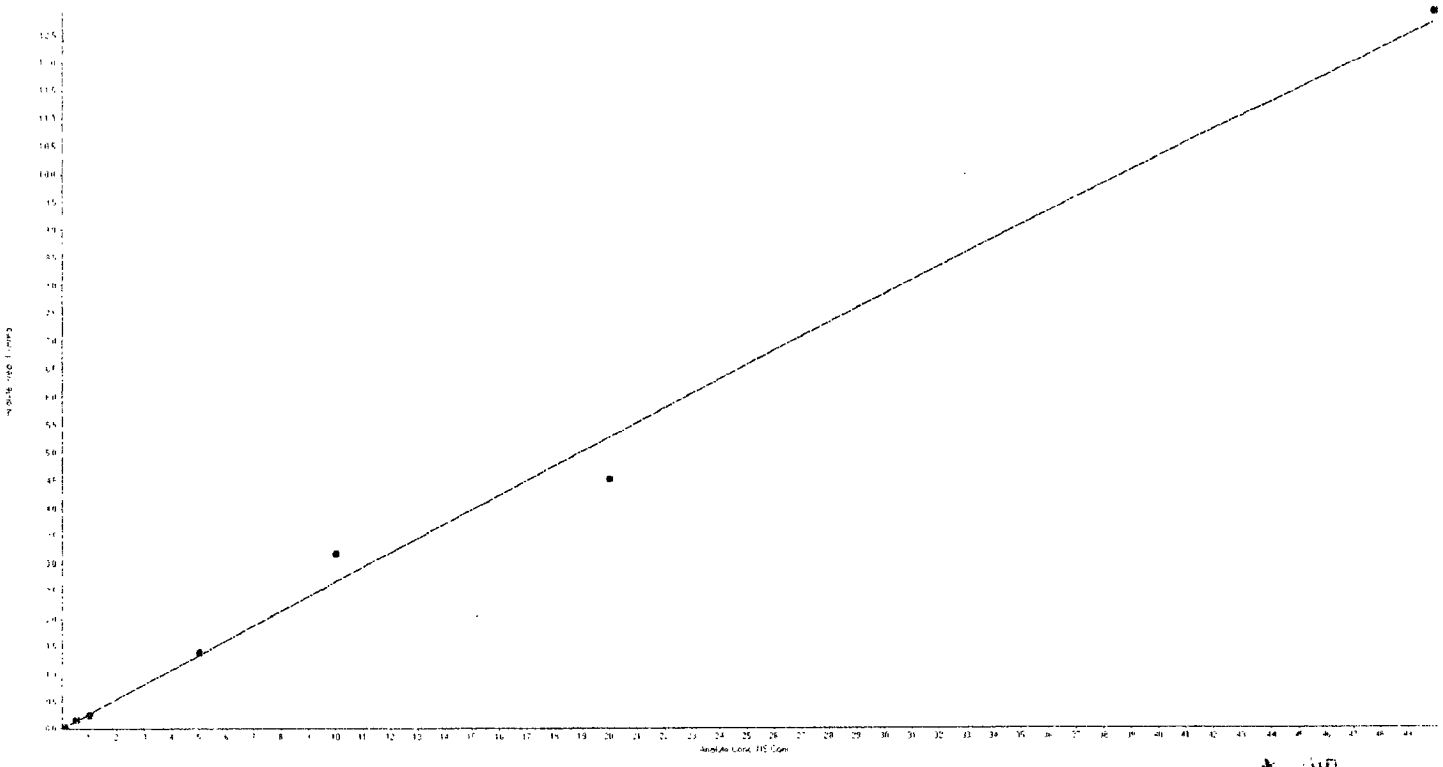
Analyte Name: PFTeA 1
Internal Standard: 13C-PFDoA

Data File	020810b\CalLong.wiff	**Result Table**	020810SamplesLong.rdb
Acquisition Date	2/8/2010 6:00:11 PM	**Algorithm Used**	IntelliQuan
Acquisition Method	PFCkinetexLong.dam	**Instrument Name**	API 5000
Project	Ewan's Projects\PFCs		

Regression Equation: y = -0.000306 x^2 + 0.27 x + -0.001 (r = 0.9948) ✓

Exp Conc (ng/mL)	# of Values	Mean Calc Conc (ng/mL)	% Accuracy	STD	%CV
0.1	1	0.080	80	NaN	NaN
0.5	1	0.587	117	NaN	NaN
1	1	0.928	93	NaN	NaN
5	1	5.191	104	NaN	NaN
10	1	11.943	119	NaN	NaN
20	1	17.075	85	NaN	NaN
50	1	50.817	102	NaN	NaN



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Project	Ewan's Projects\PFCs
Data File	020810b\CalLong.wiff
Result Table	020810SamplesLong.rdb
Instrument Name	API 5000

Sample Name	IB	**Injection Volume**	5
Acquisition Date	2/8/2010 6:00:11 PM	**Sample Type**	Unknown
Acquisition Method	PFCkinetexLong.dam	**Dilution Factor**	1.00
Injection Vial	1	**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	305	0.00 (1.36)	0	N/A	No
PFNA 1	13C-PFNA	253	0.00 (2.42)	0	N/A	No
PFOS 1	13C-PFOS	326	2.36 (2.53)	955	27.500	No
PFDA 1	13C-PFDA	97	0.00 (3.34)	0	N/A	No
PFUnA 1	13C-PFUnA	33	4.16 (4.06)	2031	65.500	No
PFDS 1	13C-PFOS	326	0.00 (4.10)	0	N/A	No
PFDoA 1	13C-PFDoA	139	0.00 (4.63)	0	N/A	No
PFTrA 1	13C-PFDoA	139	0.00 (5.14)	0	N/A	No
PFTeA 1	13C-PFDoA	139	0.00 (5.74)	0	N/A	No

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IRC Summary

Analyte Peak Name	RT (Exp RT)	Area	Modified?	Calc (Exp) MRM Ratio	Ratio Confirms ID
PFOA 2	0.00 (1.36)	0	No	0.00 (2.38)	No
S_13C_PFOA	1.25 (1.36)	305	No	0.00 (50.17)	No
PFNA 2	2.25 (2.44)	63	No	0.00 (0.28)	No
S_13C_PFNA	2.48 (2.44)	253	No	0.00 (19.17)	No
PFOS 2	2.29 (2.53)	255	No	0.27 (0.32)	YES
S_13C-PFOS	2.77 (2.53)	326	No	0.34 (22.53)	No
PFDA 2	0.00 (3.34)	0	No	0.00 (0.15)	No
S_13C-PFDA	3.34 (3.34)	97	No	0.00 (22.10)	No
PFUnA 2	0.00 (4.06)	0	No	0.00 (0.22)	No
S_13C-PFUnA	4.17 (4.06)	33	No	0.02 (1.86)	No
PFDS 2	4.06 (4.10)	365	No	0.00 (0.32)	No
PFDoA 2	4.69 (4.64)	635	No	0.00 (0.29)	No
S_13C-PFDoA	4.85 (4.64)	139	No	0.00 (3.08)	No
PFTrA 2	5.14 (5.13)	376	No	0.00 (0.32)	No
PFTeA 2	5.59 (5.56)	236	No	0.00 (0.36)	No

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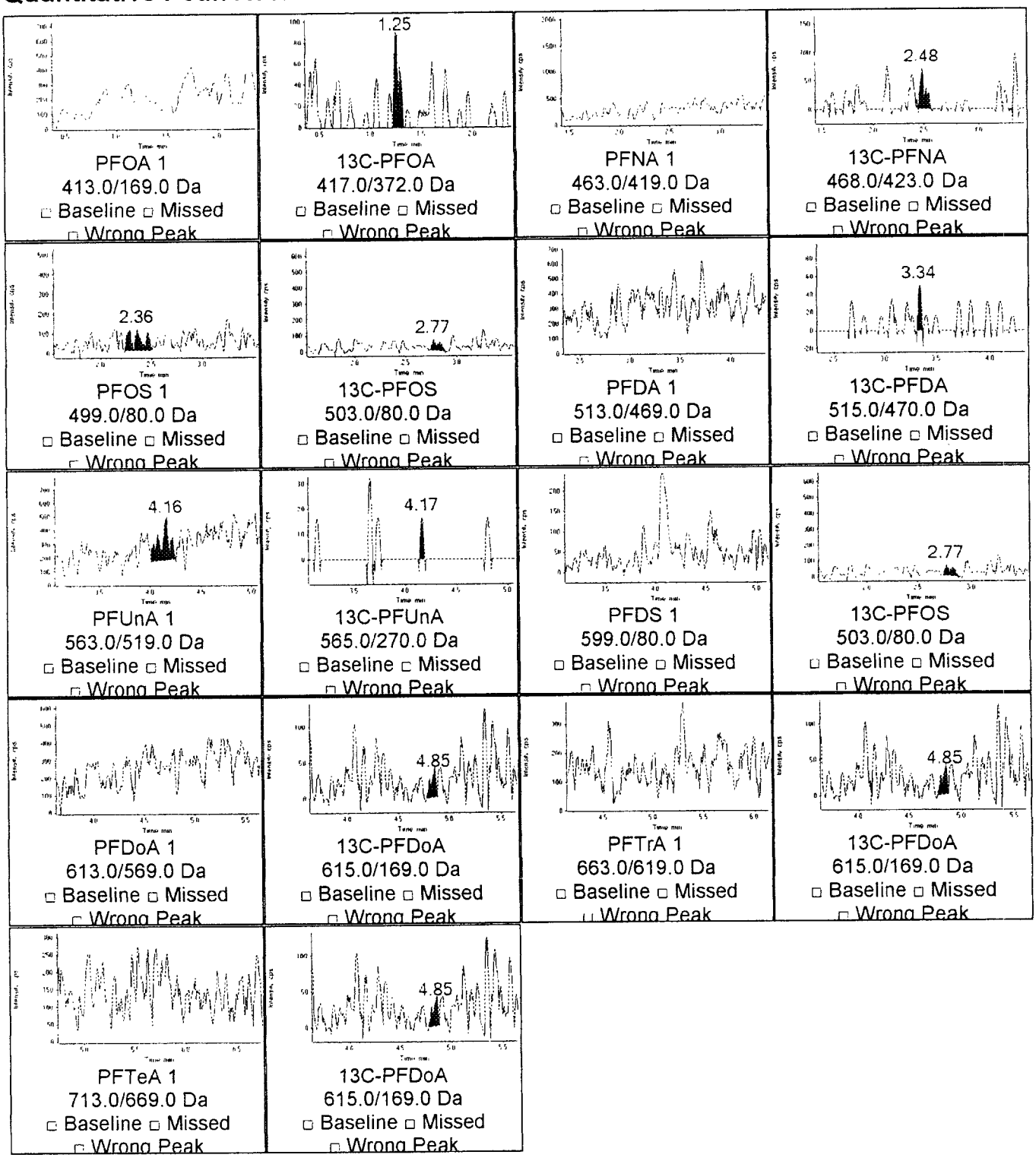
Quantitative Peak Review

IB



☐ Before ☐ After

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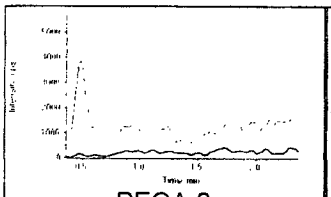
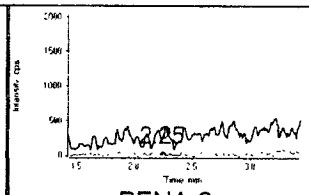
Ion Ratio Confirmation IB



PFOA 2
413.0/369.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFNA 2
463.0/219.0 Da
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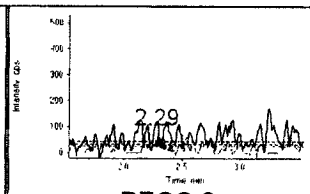
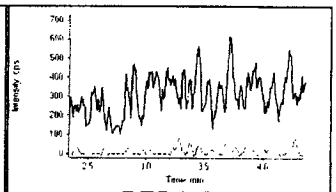
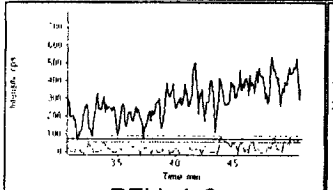
□ Wrong Peak



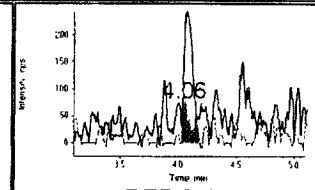
PFOS 2
499.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



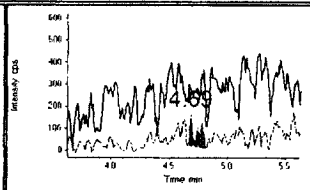
PFDA 2
513.0/269.0 Da
□ Baseline □ Missed
□ Wrong Peak



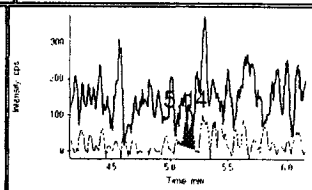
PFUnA 2
563.0/269.0 Da
□ Baseline □ Missed
□ Wrong Peak



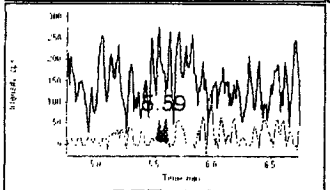
PFDS 2
599.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFDoA 2
613.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFTrA 2
663.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFTeA 2
713.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak

☐ Before ☐ After

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Project	Ewan's Projects\PFCs	**Result Table**	020810SamplesLong.rdb
Data File	020810b\CalLong.wiff	**Algorithm Used**	IntelliQuan
Acquisition Method	PFCkinetexLong.dam	**Instrument Name**	API 5000

Sample Name	PFC 0.10ppb	**Injection Vial**	2
Acquisition Date	2/8/2010 6:22:50 PM	**Injection Volume**	5
Acquisition Method	PFCkinetexLong.dam	**Sample Type**	Standard
Sample ID	LCMS2-85A	**Dilution Factor**	1.00
Sample Comment		**Weight to Volume**	0.00

Results Summary

Analyte Name	Analyte RT (Expected)	IS Name	IS Area	Analyte Area	Exp Conc (ng/mL)	Calc. Conc (ng/mL)	Accuracy (%)	Mod?
PFOA 1	1.36 (1.36)	13C-PFOA	2771900	10143	0.100	0.109	109	No
PFNA 1	2.31 (2.42)	13C-PFNA	2300200	22540	0.100	0.109	109	No
PFOS 1	2.35 (2.53)	13C-PFOS	6845000	54526	0.100	0.089	89	No
PFDA 1	3.32 (3.34)	13C-PFDA	2198200	18255	0.100	0.108	108	No
PFUnA 1	4.10 (4.06)	13C-PFUnA	162500	17391	0.100	0.092	92	No
PFDS 1	4.12 (4.10)	13C-PFOS	6845000	59395	0.100	0.094	94	No
PFDoA 1	4.76 (4.63)	13C-PFDoA	239910	15176	0.100	0.082	82	No
PFTrA 1	5.29 (5.14)	13C-PFDoA	239910	8315	0.100	0.062	62	No
PFTeA 1	5.74 (5.74)	13C-PFDoA	239910	4924	0.100	0.080	80	No

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IRC Summary

Analyte Peak Name	RT (Expected)	Area	Modified?	Calculated Ion Ratio (Expected Value)
PFOA 2	1.33 (1.36)	19840	No	1.96
S_13C_PFOA	1.35 (1.36)	2771900	No	273.28
PFNA 2	2.32 (2.44)	3319	No	0.15
S_13C_PFNA	2.28 (2.44)	2300200	No	102.05
PFOS 2	2.33 (2.53)	16682	No	0.31
S_13C-PFOS	2.32 (2.53)	6845000	No	125.54
PFDA 2	3.33 (3.34)	2768	No	0.15
S_13C-PFDA	3.32 (3.34)	2198200	No	120.42
PFUnA 2	4.10 (4.06)	2974	No	0.17
S_13C-PFUnA	4.10 (4.06)	162500	No	9.34
PFDS 2	4.12 (4.10)	17921	No	0.30
PFDoA 2	4.75 (4.64)	2899	No	0.19
S_13C-PFDoA	4.76 (4.64)	239910	No	15.81
PFTrA 2	5.29 (5.13)	2346	No	0.28
PFTeA 2	5.75 (5.56)	1505	No	0.31

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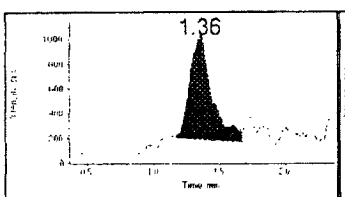
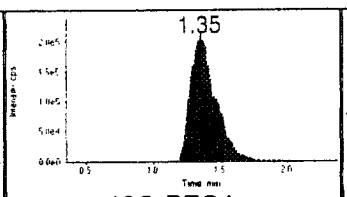
Quantitative Peak Review

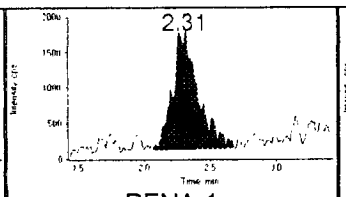
PFC 0.10ppb



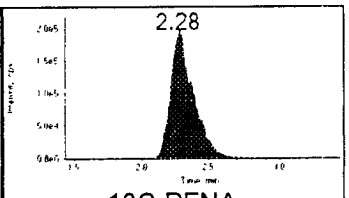
PFOA 1
413.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



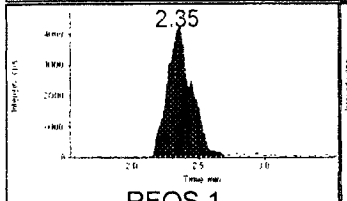
13C-PFOA
417.0/372.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



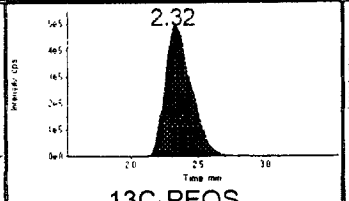
PFNA 1
463.0/419.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



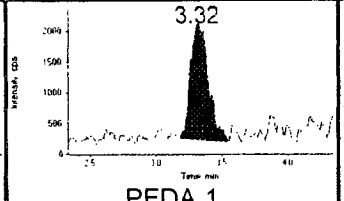
13C-PFNA
468.0/423.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



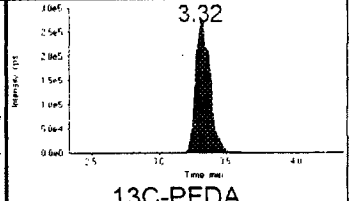
PFOS 1
499.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



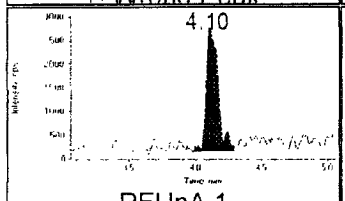
13C-PFOS
503.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



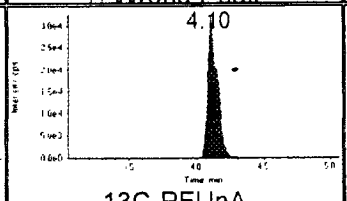
PFDA 1
513.0/469.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



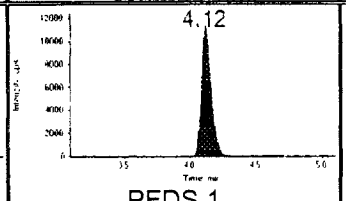
13C-PFDA
515.0/470.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



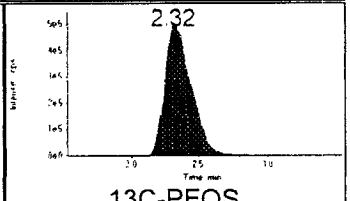
PFUnA 1
563.0/519.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



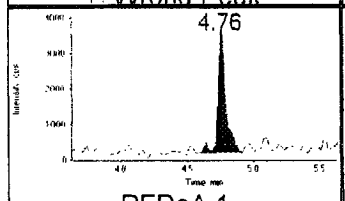
13C-PFUnA
565.0/270.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



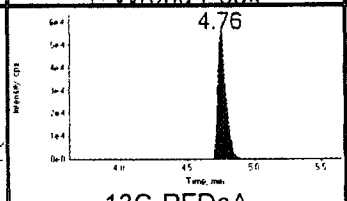
PFDS 1
599.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



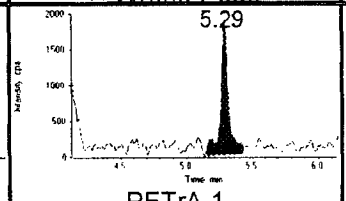
13C-PFOS
503.0/80.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



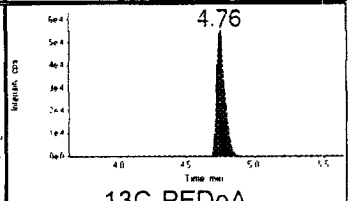
PFDoA 1
613.0/569.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



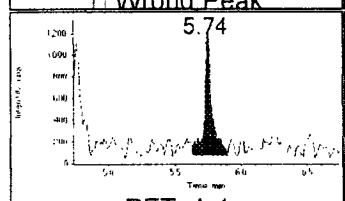
13C-PFDoA
615.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



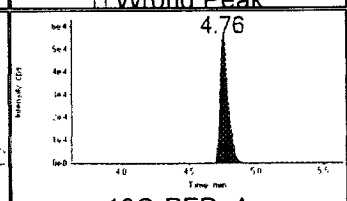
PFTrA 1
663.0/619.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



13C-PFDoA
615.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



PFTeA 1
713.0/669.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak



13C-PFDoA
615.0/169.0 Da
☐ Baseline ☐ Missed
☐ Wrong Peak

☐ Before ☐ After

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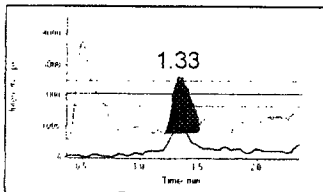
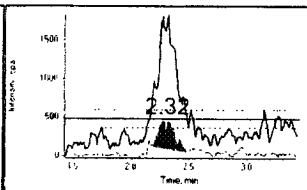
Ion Ratio Confirmation

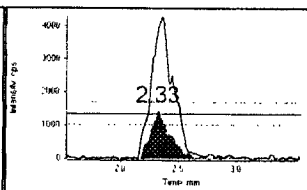
PFC 0.10ppb



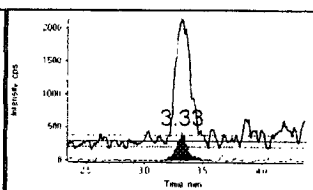
PFOA 2
413.0/369.0 Da
□ Baseline □ Missed
□ Wrong Peak



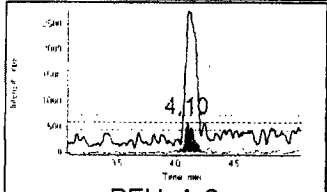
PFNA 2
463.0/219.0 Da
□ Baseline □ Missed
□ Wrong Peak



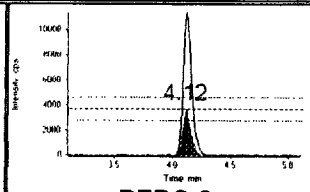
PFOS 2
499.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



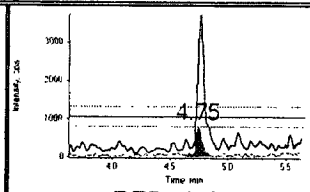
PFDA 2
513.0/269.0 Da
□ Baseline □ Missed
□ Wrong Peak



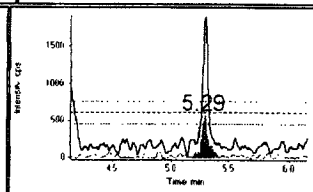
PFUnA 2
563.0/269.0 Da
□ Baseline □ Missed
□ Wrong Peak



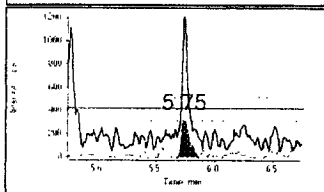
PFDS 2
599.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFDoA 2
613.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFTrA 2
663.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFTeA 2
713.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak

☐ Before ☐ After

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Columbia Analytical Services

Project	Ewan's Projects\PFCs	**Result Table**	020810SamplesLong.rdb
Data File	020810b\CalLong.wiff	**Algorithm Used**	IntelliQuan
Acquisition Method	PFCkinetexLong.dam	**Instrument Name**	API 5000

Sample Name	PFC 0.5ppb	**Injection Vial**	3
Acquisition Date	2/8/2010 6:30:24 PM	**Injection Volume**	5
Acquisition Method	PFCkinetexLong.dam	**Sample Type**	Standard
Sample ID	LCMS2-85B	**Dilution Factor**	1.00
Sample Comment		**Weight to Volume**	0.00

Results Summary

Analyte Name	Analyte RT (Expected)	IS Name	IS Area	Analyte Area	Exp Conc (ng/mL)	Calc. Conc (ng/mL)	Accuracy (%)	Mod?
PFOA 1	1.37 (1.36)	13C-PFOA	2869800	57106	0.500	0.444	89	No
PFNA 1	2.34 (2.42)	13C-PFNA	2221600	112750	0.500	0.467	93	No
PFOS 1	2.36 (2.53)	13C-PFOS	6831100	344960	0.500	0.488	98	No
PFDA 1	3.34 (3.34)	13C-PFDA	2150700	101810	0.500	0.477	95	No
PFUnA 1	4.12 (4.06)	13C-PFUnA	185430	75738	0.500	0.411	82	No
PFDS 1	4.13 (4.10)	13C-PFOS	6831100	378480	0.500	0.490	98	No
PFDoA 1	4.77 (4.63)	13C-PFDoA	197790	59384	0.500	0.518	104	No
PFTrA 1	5.29 (5.14)	13C-PFDoA	197790	42023	0.500	0.567	113	No
PFTeA 1	5.74 (5.74)	13C-PFDoA	197790	31152	0.500	0.587	117	No

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EFS 2/14/10

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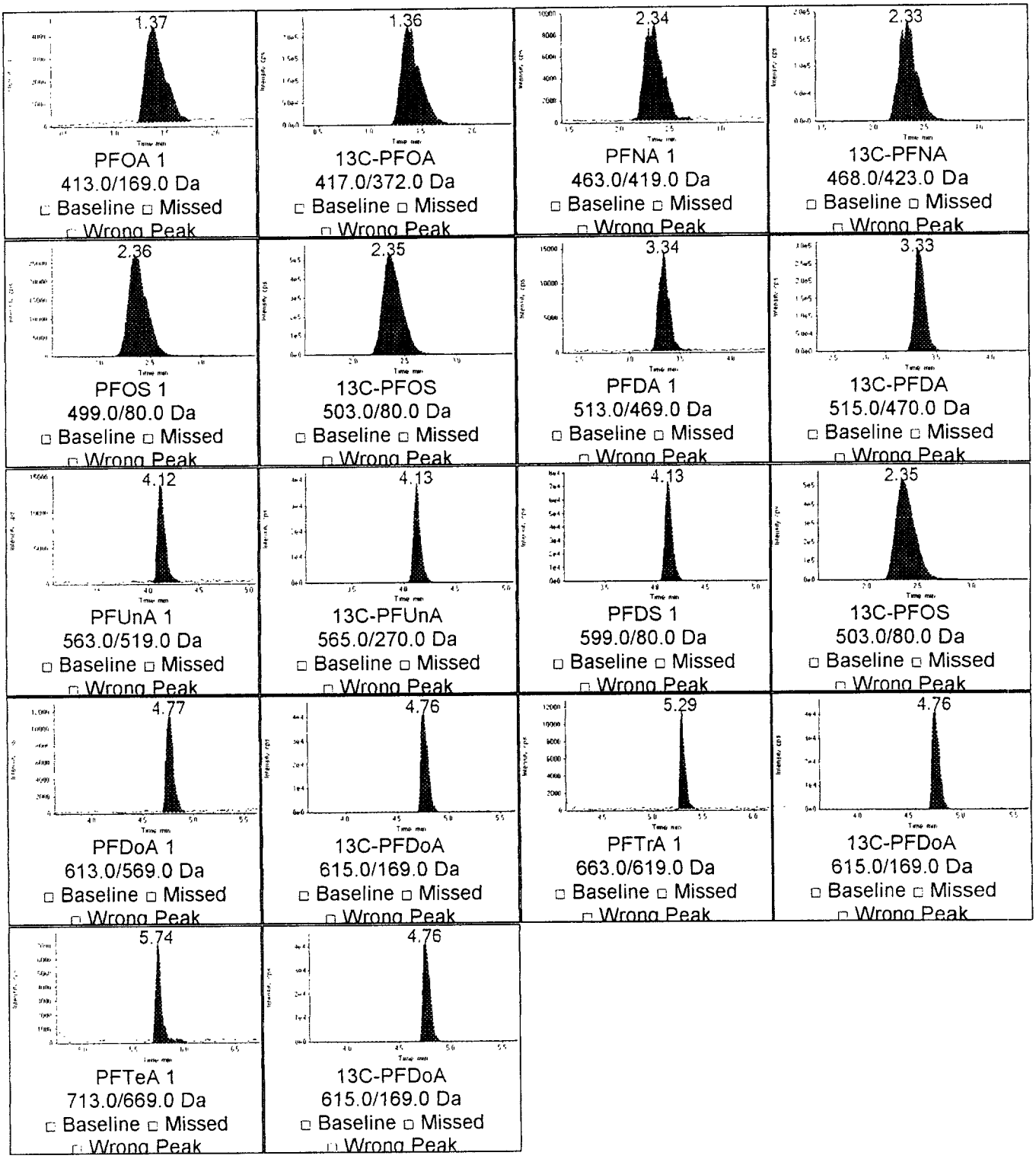
IRC Summary

Analyte Peak Name	RT (Expected)	Area	Modified?	Calculated Ion Ratio (Expected Value)
PFOA 2	1.37 (1.36)	148080	No	2.59
S_13C_PFOA	1.36 (1.36)	2869800	No	50.25
PFNA 2	2.32 (2.44)	32633	No	0.29
S_13C_PFNA	2.33 (2.44)	2221600	No	19.70
PFOS 2	2.35 (2.53)	110050	No	0.32
S_13C-PFOS	2.35 (2.53)	6831100	No	19.80
PFDA 2	3.36 (3.34)	15344	No	0.15
S_13C-PFDA	3.33 (3.34)	2150700	No	21.12
PFUnA 2	4.13 (4.06)	18267	No	0.24
S_13C-PFUnA	4.13 (4.06)	185430	No	2.45
PFDS 2	4.13 (4.10)	117570	No	0.31
PFDoA 2	4.76 (4.64)	19133	No	0.32
S_13C-PFDoA	4.76 (4.64)	197790	No	3.33
PFTrA 2	5.30 (5.13)	12533	No	0.30
PFTeA 2	5.74 (5.56)	12051	No	0.39

Columbia Analytical Services

Quantitative Peak Review

PFC 0.5ppb



Baseline Missed Wrong Peak

☐ Before ☐ After

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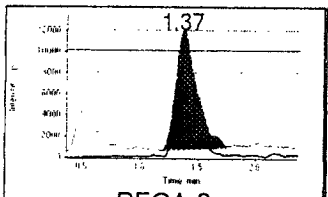
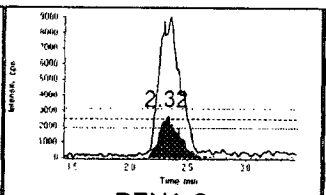
Ion Ratio Confirmation

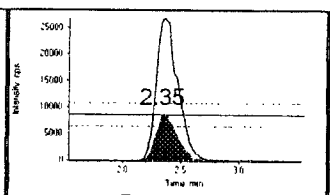
PFC 0.5ppb



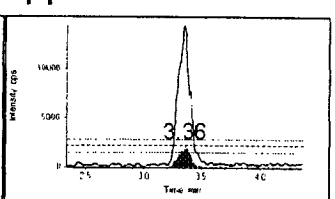
PFOA 2
413.0/369.0 Da
□ Baseline □ Missed
□ Wrong Peak



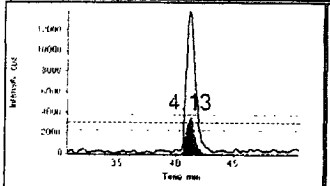
PFNA 2
463.0/219.0 Da
□ Baseline □ Missed
□ Wrong Peak



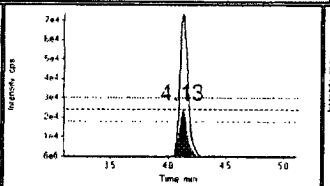
PFOS 2
499.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



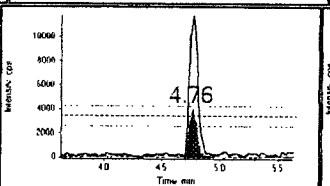
PFDA 2
513.0/269.0 Da
□ Baseline □ Missed
□ Wrong Peak



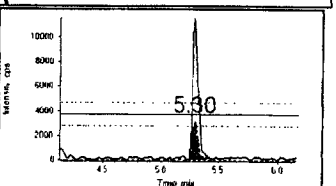
PFUnA 2
563.0/269.0 Da
□ Baseline □ Missed
□ Wrong Peak



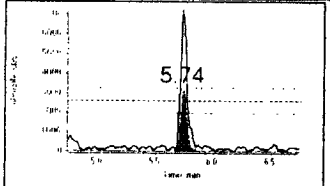
PFDS 2
599.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFDoA 2
613.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFTrA 2
663.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFTeA 2
713.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak

☐ Before ☐ After

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Columbia Analytical Services

Project	Ewan's Projects\PFCs	**Result Table**	020810SamplesLong.rdb
Data File	020810b\CalLong.wiff	**Algorithm Used**	IntelliQuan
Acquisition Method	PFCkinetexLong.dam	**Instrument Name**	API 5000

Sample Name	PFC 1.0ppb	**Injection Vial**	4
Acquisition Date	2/8/2010 6:37:56 PM	**Injection Volume**	5
Acquisition Method	PFCkinetexLong.dam	**Sample Type**	Standard
Sample ID	LCMS2-85C	**Dilution Factor**	1.00
Sample Comment		**Weight to Volume**	0.00

Results Summary

Analyte Name	Analyte RT (Expected)	IS Name	IS Area	Analyte Area	Exp Conc (ng/mL)	Calc. Conc (ng/mL)	Accuracy (%)	Mod?
PFOA 1	1.33 (1.36)	13C-PFOA	2783400	140010	1.000	1.070	107	No
PFNA 1	2.31 (2.42)	13C-PFNA	2203300	240150	1.000	0.975	98	No
PFOS 1	2.34 (2.53)	13C-PFOS	6650300	740480	1.000	1.060	106	No
PFDA 1	3.32 (3.34)	13C-PFDA	2119100	222700	1.000	1.020	102	No
PFUnA 1	4.12 (4.06)	13C-PFUnA	155180	178520	1.000	1.200	120	No
PFDS 1	4.12 (4.10)	13C-PFOS	6650300	800030	1.000	1.040	104	No
PFDoA 1	4.75 (4.63)	13C-PFDoA	234070	129680	1.000	0.985	99	No
PFTrA 1	5.29 (5.14)	13C-PFDoA	234070	86772	1.000	1.020	102	No
PFTeA 1	5.74 (5.74)	13C-PFDoA	234070	58420	1.000	0.928	93	No

2/19/10
EFS
2/16/10

Columbia Analytical Services

IRC Summary

Analyte Peak Name	RT (Expected)	Area	Modified?	Calculated Ion Ratio (Expected Value)
PFOA 2	1.35 (1.36)	331790	No	2.37
S_13C_PFOA	1.31 (1.36)	2783400	No	19.88
PFNA 2	2.28 (2.44)	72566	No	0.30
S_13C_PFNA	2.27 (2.44)	2203300	No	9.17
PFOS 2	2.30 (2.53)	228880	No	0.31
S_13C-PFOS	2.31 (2.53)	6650300	No	8.98
PFDA 2	3.31 (3.34)	29896	No	0.13
S_13C-PFDA	3.32 (3.34)	2119100	No	9.52
PFUnA 2	4.13 (4.06)	41151	No	0.23
S_13C-PFUnA	4.11 (4.06)	155180	No	0.87
PFDS 2	4.12 (4.10)	253850	No	0.32
PFDoA 2	4.75 (4.64)	42524	No	0.33
S_13C-PFDoA	4.75 (4.64)	234070	No	1.80
PFTrA 2	5.31 (5.13)	29476	No	0.34
PFTeA 2	5.75 (5.56)	19065	No	0.33

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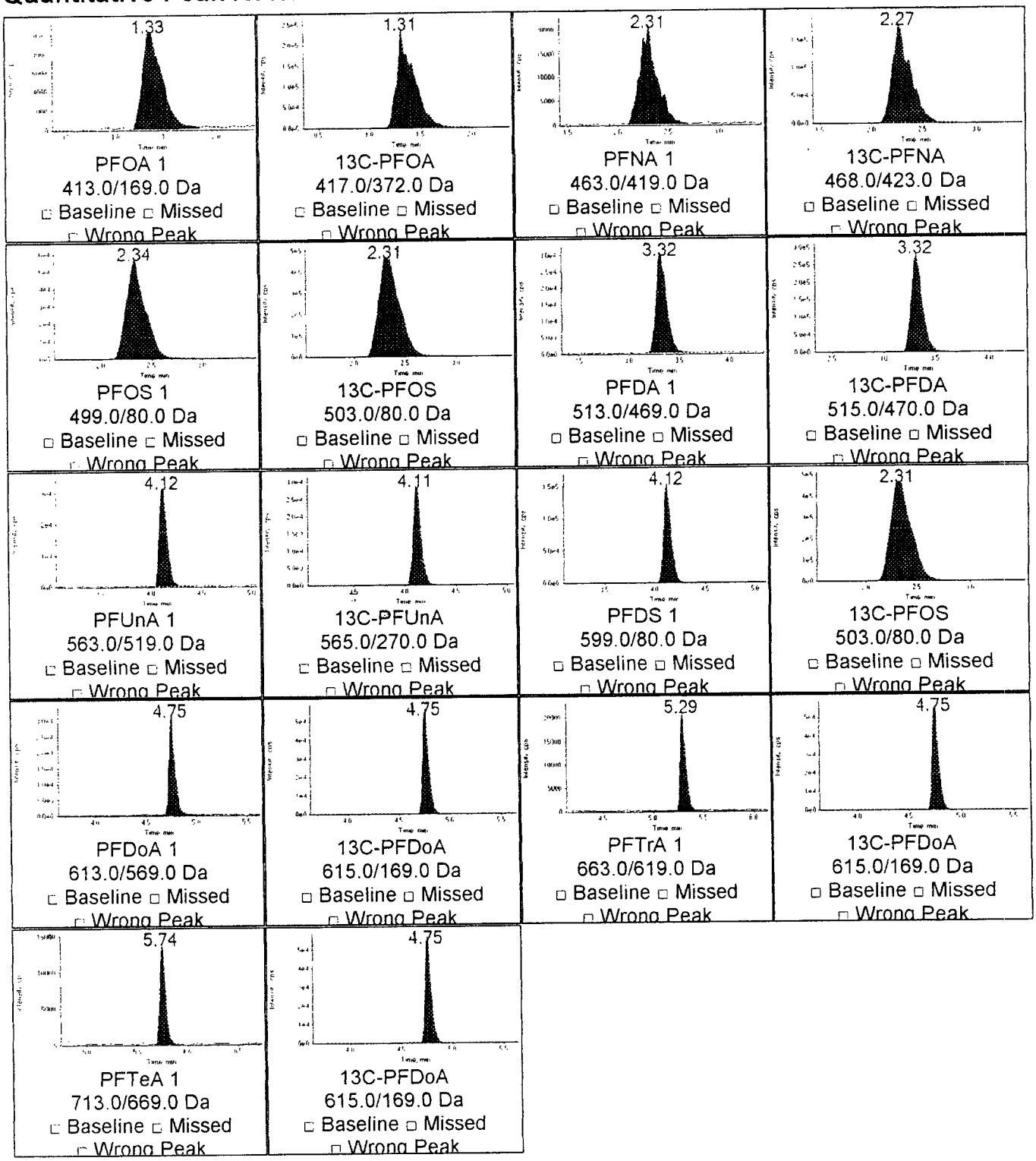
Quantitative Peak Review

PFC 1.0ppb

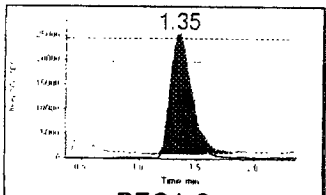


☐ Before ☐ After

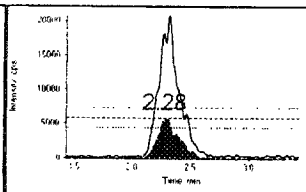
Columbia Analytical Services

Ion Ratio Confirmation

PFC 1.0ppb



PFOA 2
413.0/369.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFNA 2
463.0/219.0 Da
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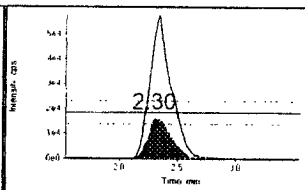
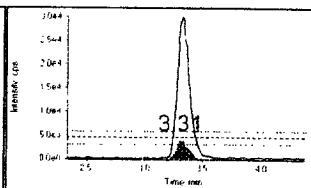
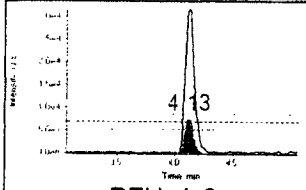
□ Wrong Peak



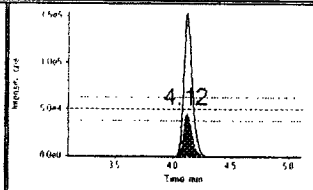
PFOS 2
499.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



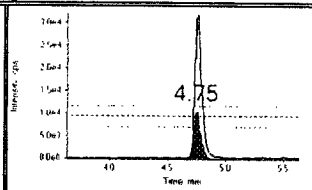
PFDA 2
513.0/269.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFUnA 2
563.0/269.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFDS 2
599.0/99.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFDoA 2
613.0/169.0 Da
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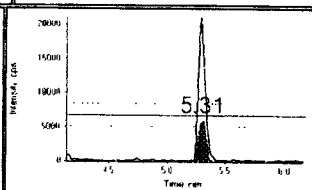
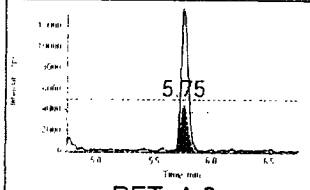
□ Wrong Peak



PFTrA 2
663.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak



PFTeA 2
713.0/169.0 Da
□ Baseline □ Missed
□ Wrong Peak

☐ Before ☐ After