Project No. _____
Book No. 930 TITLE PFOA

om Page No. ___ 9-19-06

Methanol - 878.182.2
water - 878.189.1

Cal - 878.123.1
ICV - 919.168.8
IS - 500 ng/L - 100 µL 919.168.2 To 10 mL
in Methanol exp 3-5-07 930.2.1

STD 3 ng/L µL 878.123.1

Blk	0	0	930.2.2
1	0.2	10	930.2.3
2	0.5	25	930.2.4
3	1.0	50	930.2.5
4	2.0	100	930.2.6
5	5.0	250	930.2.7
6	10	500	930.2.8
7	20	1000	930.2.9

ALC STDs (mL final volume in 1:4 water : methanol
+2 µL 930.2.1 exp ~~9-19-06~~ 10-19-06
9-19-06

ICV - 2.0 ng/L - 100 µL 919.168.8 To 1mL in
1:4 water : methanol +20 µL 930.2.1 exp 10-19-06 930.2.10

Pipettes GCMS-200, GCMS-1000, GCMS-5000

MD
9/27/06

To Page No. ___

nessed & Understood by me,

Date 9/27/06

Invented by:

Recorded by:

Date

Project No.

TITLE Reagents Book No. 878

From Page No. 4-26-06

PFOA –

AccuStandard 125 Market St • New Haven, CT 06513 • USA Tel: 203-786-5290 • www.accustandard.com

PFOA-001S
Perfluorooctanoic acid
100 µg/mL in MeOH
Lot: B6010049
Exp. Jan 10, 2016

1 mL

FOR LABORATORY USE ONLY

STORAGE Ambient

FLAMMABLE

878.15.1

PFOS –

AccuStandard 125 Market St • New Haven, CT 06513 • USA Tel: 203-786-5290 • www.accustandard.com

PFOS-001S
Perfluorooctane sulfonic acid
100 µg/mL in MeOH
Lot: B6010180
Exp. Jan 17, 2016

1 mL

FOR LABORATORY USE ONLY

STORAGE Ambient

FLAMMABLE

878.15.2

PFOA/PFOS 2° – 1 mg/L – 100 µL 878-15.1 + 100 µL 858.15.2 to 10 mL in methanol exp 1-10-16 878.15.3

IC Perchlorate I.S. – 20 µg/L – 100 µL 919.84.1 to 10 mL in water exp 12-23-06 878.15.4

Perchlorate 1° – Accustandard Lot B1125022 Rec'd 4-27-06 exp Dec 2007 878.15.5

Herbicides 50:1 Surrogate – 1.0 mg/L – 2.0 mL 919.156.2 To 100 mL in ACN exp 3-5-07 878.15.6

Carbamates Spike Solⁿ – 2 mg/L – 50 µL 919.30.1 + 50 µL 808.18.6.1 to 25 mL in ACN exp 9-8-06 878.15.7

4-29-06

To Page No.

Witnessed & Understood by me: Date 5/24/06

Inventoried by: Date 4-29-06

Project No.
Book No. 878 TITLE HCl Mobile phase

m Page No. 4-22-06

HCl Mobile phase - 900 mL Methanol, 100 mL water, 100 µL Formic Acid exp 4-22-07 878.12.1

Methanol - J.T. Baker, Lot B41E53 Rec'd 2-13-06 opened 4-22-06 exp 4-22-07 878.12.2

878.12.3 2-Propanol Fisher lot 060771, exp 4/24/07

878.12.4 2-Propanol Fisher lot 060771, exp 4/24/07

878.12.5 PFOA Wellington Labs lot PFOA0305, exp 4/24/07

878.12.6 PFOS Wellington Labs lot LPFOS0405, exp 4/24/07

Project No. _____
Book No. 919 TITLE PFOA/PFOS

Page No. 3-15-06

Methanol - 919.166.2

Labeled PFOA 1° - 1370 mg/L - 0.0137 gm 595.157.1
To 10 mL in Methanol exp 3-15-07 919.168.1

Labeled PFOA 2° - 50 mg/L - 365 µL 919.168.1 To
10 mL in Methanol exp 3-15-07 919.168.2

Labeled PFOA IS - 500 µg/L - 100 µL - 919.168.2
To 10 mL in Methanol exp 3-15-07 919.168.3

PFOA ICV 1° - 1930 mg/L - 0.013 gm 640.96.2
to 10 mL in Methanol exp 1-11-07 919.168.4

PFOA ICV 2° - 50 mg/L - 0.259 mL 919.168.4
To 10 mL in Methanol exp 1-11-07 919.168.5

PFOA ICV 3° - 1 mg/L - 200 µL 919.168.5 To
10 mL in Methanol exp 1-11-07 919.168.6

PFOA Cal w/ PFOS - 20 µg/L - 200 µL 911.133.3 +
418 µL 911.145.11 To 10 mL in Methanol
exp 9-13-06 919.168.7

PFOA ICV w/ PFOS - 20 µg/L - 200 µL 919.168.6
+ 418 µL 911.145.11 To 10 mL in Methanol
exp 9-20-06 919.168.8

3-15-06

To Page No. _____

Witnessed & Understood by me,	Date	Invented by:	Date
	4/7/06	Recorded by:	3-6-06

TITLE PFOA

Project No.

Book No. 595

From Page No. 5-2-03

PFOA Neat - Dupont - Haskell # 25617 595.157.1

PFOA Labeled 1° - 2700 mg/L - 0.027 g in 10 mL ACN - exp 5-2-04 595.157.1 5-2-03 595.157.2

PFOA Labeled 2° - 100 mg/L - 370 µL of 595.157.2 To 10 mL in ACN exp 5-2-04 595.157.3

Labeled PFOA Spike Solution - 0.20 mg/L - 200 µL of 595.157.3 To 100 mL in MeOH exp 5-2-04 595.157.4

5-2-03

To Page No.

Witnessed & Understood by me.	Date	Invented by	Date
Mark Dymerski	5/12/03	[illegible]	5-2-03

Book No 640 TITLE PFOA STDS

Page No 1-14-02

PFOA Primary 3 - 0.2562 gm of 640.96.2 TO 25 mL in MeOH - 10248 mg/L exp 1-14-03 640.96.1

PFOA - Oakwood Products - LOT U140 640.96.2
Recd 1-11-02

ICV 1° - 100 mg/L - 98 µL of 640.96.1 + 91 µL of 640.53.5 To 10 mL in MeOH exp 10-23-02 640.96.3

ICV 2° - 1 mg/L - 100 µL of 640.96-3 TO 10 mL in MeOH exp 10-23-02 640.96.4

Cal 3° - 50 µg/L - 500 µL of 640.60.3 To 10 mL in MeOH exp 7-14-02 640.96.5

Std	[ ] µg/L	µL 640.96.5	
MK	0	0	640.96.6
1	1	20	640.96.7
2	2	40	640.96.8
3	5	100	640.96.9
4	10	200	640.96.10
5	20	400	640.96.11
6	50	1000	640.96.5

All STDS 1mL Final volume in MeOH
exp 1-21-02

ICV - 10 µg/L - 80 µL of 640.96.4 TO 1mL in MeOH exp 1-21-02 640.96.12

To Page No

Witnessed & Understood by	Date	Invented by	Date
		Re	1-14-01

DuPont Corporate Center for Analytical Sciences
Experimental Station
Wilmington, De 19880

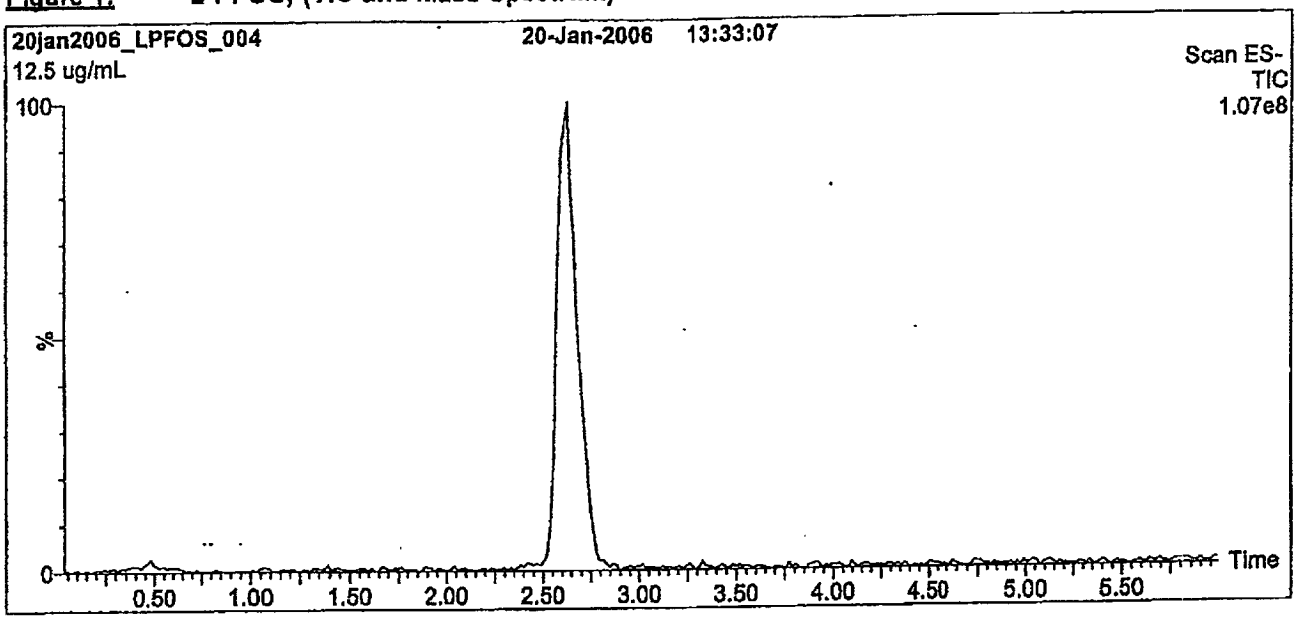
Certificate of Analysis

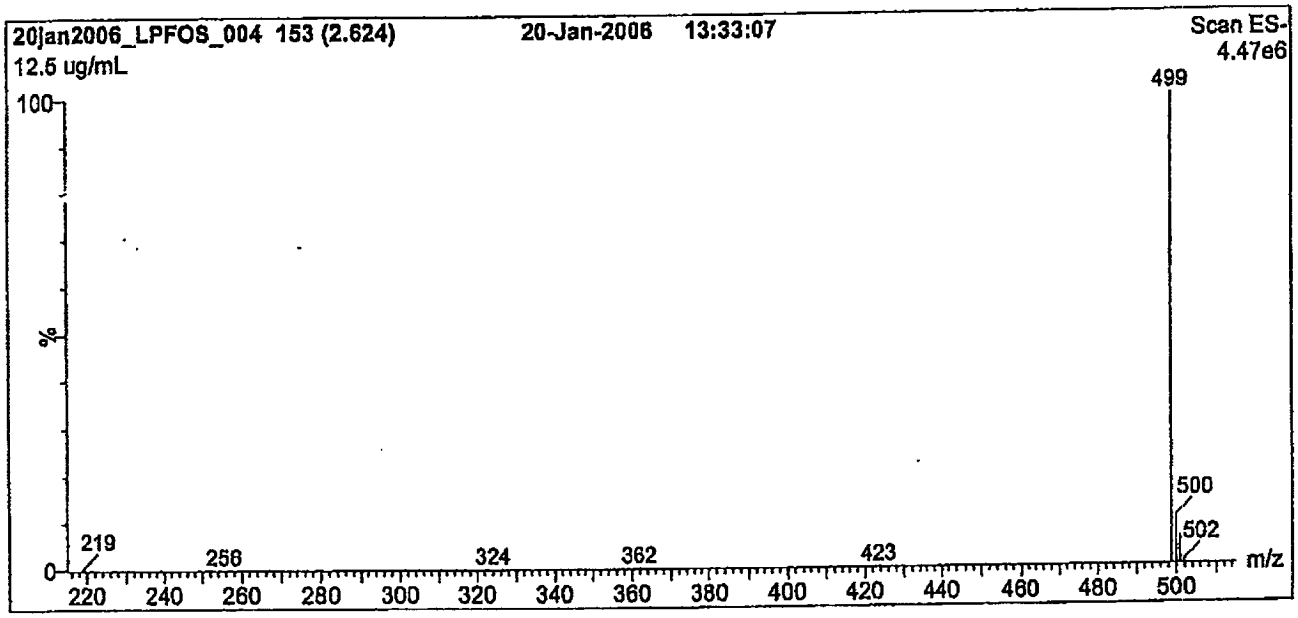
Characterized Within a GLP Compliant Facility

Name:	Perfluorooctanoic acid, [1,2-di-^{13}C]
Molecular Formula:	$C_8HF_{15}O_2$
Formula Weight:	416
Date of Synthesis:	January 2, 2003
Date of Analysis:	May 2005
Expiration Date:	May 2007
Storage Conditions:	controlled normal room temperature
Solvent (crystallization):	Vertrel-XF
Physical Appearance:	Solid, Colorless flakes
Structure:	$C_6F_{13}{}^{13}CF_2{}^{13}CO_2H$
Purity	96.6 %
Impurities:	1.4 % $C_7F_{15}{}^{13}CO_2H$
	1.9 % $C_6F_{13}{}^{13}CF_2CO_2H$
	n.d. $C_7F_{15}CO_2H$

Printed Name _____ Signature _____ Date:_____

Figure 1: L-PFOS; (TIC and Mass Spectrum)





Conditions for Figure 1:

LC: Waters Acquity Ultra Performance LC
MS: Micromass Quattro *micro* API

Chromatographic Conditions

Column: Acquity UPLC BEH Shield RP_{18}
1.7 µm, 2.1 x 100 mm

Mobile phase: Isocratic
Start: 35% H_2O with 10 mM NH_4OAc
65% (80:20 MeOH:ACN) with 10 mM NH_4OAc
Ramp: none
Time: 10 mins

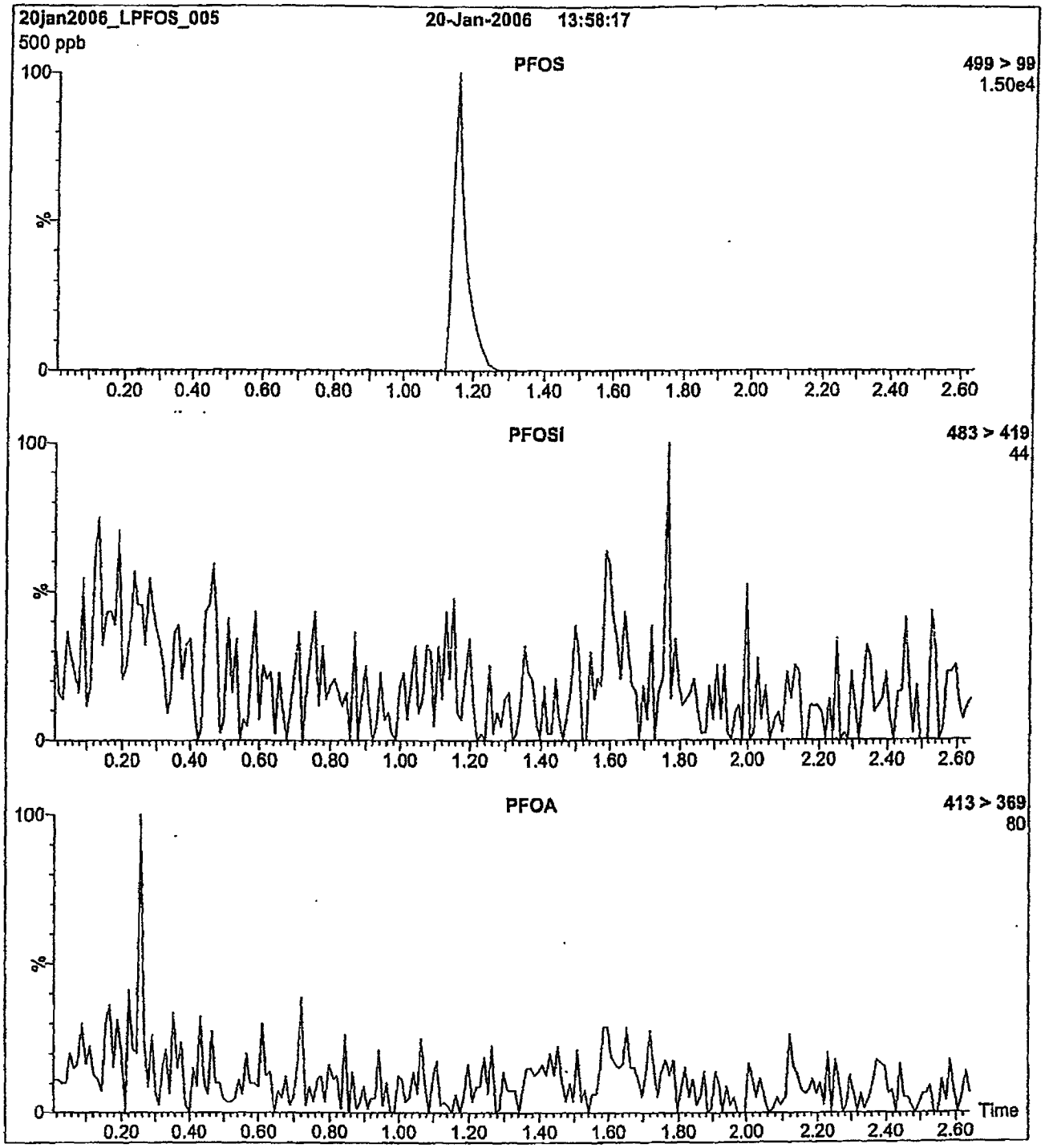
Flow: 300 µL/min

MS Parameters

Experiment: Full Scan (215 - 900 amu)

Source: Electrospray (negative)
Capillary Voltage (kV) = 2.60
Cone voltage (V) = 60.00
Cone Gas Flow (L/Hr) = 50
Desolvation Gas Flow (L/Hr) = 650

Figure 2: L-PFOS; Selected MRM Transitions

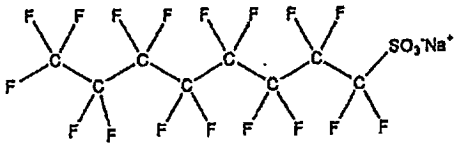


Conditions for Figure 2:

Injection:	Direct loop injection 10 µl (500 ppb L-PFOS)	MS Parameters	
Mobile phase:	Isocratic 65% (80:20 MeOH/ACN)/35% H_2O (10 mM ammonium acetate buffer)	Collision Gas (mbar) = 3.46e-3 Collision Voltage (V) = 40	
Flow:	300 µl/min		

WELLINGTON LABORATORIES

CERTIFICATE OF ANALYSIS/DOCUMENTATION

PRODUCT CODE:	L-PFOS	**LOT NUMBER:**	LPFOS0405
COMPOUND:	Sodium perfluoro-1-octanesulfonate		
STRUCTURE:		**CAS #:**	Not available
		IUPAC #:	Not applicable

MOLECULAR FORMULA:	$C_8F_{17}SO_3Na$	**MOLECULAR WEIGHT:**	522.11
CONCENTRATION:	50 ± 2.5 µg/ml	**SOLVENT(S):**	Methanol
CHEMICAL PURITY:	>98%		
LAST TESTED: (mm/dd/yyyy)	01/20/2006 (LC/MS/MS)		
RECOMMENDED STORAGE:	Store at 4°C protected from light		
EXPIRY DATE:	Stability studies ongoing		

DETAILS:

- One-product unambiguous synthesis
- Structure confirmed by NMR (^{19}F)
- Uncertainty is the maximum combined relative uncertainty of weights and volumes
- All weights and volumes are traceable to NIST
- LC/MS (TIC and mass spectrum) data attached, see Figure 1
- MRM transitions showing L-PFOS at greater than 98% purity and the absence of common impurities are shown in Figure 2

ADDITIONAL INFORMATION:

If additional information is required please contact Wellington Laboratories (www.well-labs.com).

NOT FOR HUMAN/DRUG USE
POTENTIALLY TOXIC TO HUMANS

Certified By: _____ Date: 01/23/2006 (mm/dd/yyyy)
B.G. Chittim

Wellington Laboratories Inc., 345 Southgate Dr. Guelph ON N1G 3M5 CANADA

8/18/09

125 Market Street
New Haven, CT 06513 USA
Tel (203)786-5290 Fax (203)786-5287
Web AccuStandard.com

AccuStandard, Inc.

CERTIFICATE OF ANALYSIS

CATALOG NO. PFOA-001S

DESCRIPTION: Perfluorooctanoic acid

LOT: B6010049

SOLVENT: MeOH

EXPIRATION: Jan 10, 2016

This product is guaranteed accurate to ±0.5% of the Certified Analyte concentration through the Expiration Date on the Label.

See reverse for additional certification information.

Component	CAS #	Purity % MFG	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
Perfluorooctanoic acid		94	107.0* ±4.28	100.6

* Weight compensated to 100% purity

1. All weights are traceable through National Institute of Standards & Technology Test No. 822/270236-04
2. Certified Analyte Concentration = Purity x Prepared Concentration
3. A product with a suffix (-1A, -2B, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

Please note: AccuStandard follows the U.S. conventions in reporting numerical values, on both certificates and labels.

A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

Certified by: R. Cooper

This product was manufactured to meet the quality system requirements of ISO 9001:2000 and ISO 17025

125 Market Street
New Haven, CT 06513 USA
Tel (203)786-5290 Fax (203)786-5287
Web AccuStandard.com

AccuStandard, Inc.

CERTIFICATE OF ANALYSIS

CATALOG NO. PFOS-001S

DESCRIPTION: Perfluorooctane sulfonic acid

EXPIRATION: Jan 17, 2016

LOT: B6010180

SOLVENT: MeOH

This product is guaranteed accurate to ±0.5% of the Certified Analyte concentration through the Expiration Date on the Label.

See reverse for additional certification information.

Component	CAS #	Purity % MFG	Prepared Concentration[1] (µg/mL)	Certified Analyte Concentration[2] (µg/mL)
Perfluorooctane sulfonic acid	1763-23-1	98 100.4	±4.016	98.4

1. All weights are traceable through National Institute of Standards & Technology Test No. 822/270236-04
2. Certified Analyte Concentration = Purity x Prepared Concentration
3. A product with a suffix (-1A, -2B, etc.) on its lot# has had its expiration date extended and is identical to the same lot# without the suffix.

Please note: AccuStandard follows the U.S. conventions in reporting numerical values, on both certificates and labels.

A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

Certified by: R. Cooper

This product was manufactured to meet the quality system requirements of ISO 9001:2000 and ISO 17025

Inlet Method Report MassLynx 4.1

Method File: C:\MassLynx\PFOA.PRO\ACQUDB\PFOA2Test
Last Modified: Wednesday, November 29, 2006 10:23:03 Mountain Standard Time

Printed: Wednesday, November 29, 2006 10:58:53 Mountain Standard Time

Waters Acquity SDS Method

Comment:
Solvent Selection A: A2
Solvent Selection B: B1
Low Pressure Limit: 0 psi
High Pressure Limit: 15000 psi
Solvent Name A: Methanol
Solvent Name B: 0.1% aq Formic Acid
Switch 1: No Change
Switch 2: No Change
Switch 3: No Change
Seal Wash: 5.0 min
Chart Out 1: System Pressure
Chart Out 2: %B
System Pressure Data Channel: Yes
Flow Rate Data Channel: Yes
%A Data Channel: Yes
%B Data Channel: Yes
Primary A Pressure Data Channel: No
Accumulator A Pressure Data Channel: No
Primary B Pressure Data Channel: No
Accumulator B Pressure Data Channel: No
Degasser Pressure Data Channel: No
[Gradient Table]
Time(min) Flow Rate(mL/min) %A %B Curve
1. Initial 0.300 80.0 20.0 Initial
2. 10.00 0.300 100.0 0.0 6
3. 10.01 0.300 80.0 20.0 6
Run Events: yes

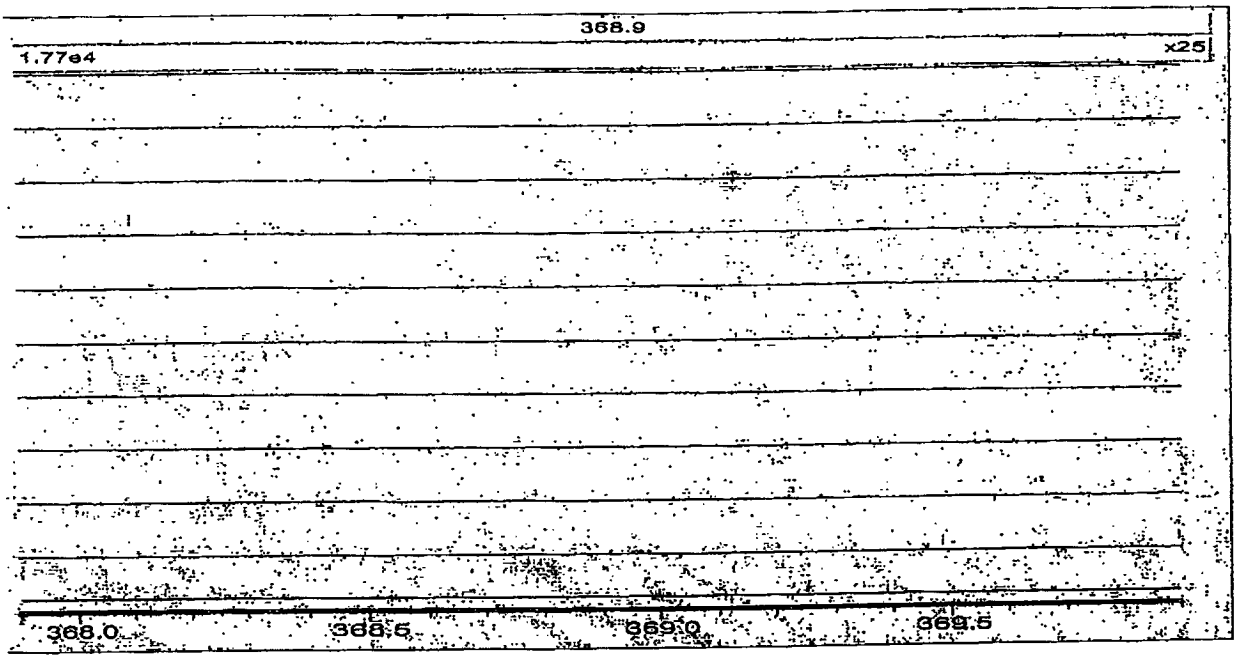
Waters Acquity Autosampler Method

Comment:
Load Ahead: Disabled
Loop Option: Full Loop
LoopOffline: Disable
Weak Wash Solvent Name: Water
Weak Wash Volume: 1000 uL
Strong Wash Solvent Name: Water
Strong Wash Volume: 1000 uL
Target Column Temperature: Off C
Column Temperature Alarm Band: Disabled
Target Sample Temperature: 15.0 C
Sample Temperature Alarm Band: Disabled
Full Loop Overfill Factor: 1.0
Syringe Draw Rate: 50
Needle Placement: 2.0
Pre-Aspirate Air Gap: 2.0
Post-Aspirate Air Gap: 2.0
Column Temperature Data Channel: No
Ambient Temperature Data Channel: Yes
Sample Temperature Data Channel: No
Sample Organizer Temperature Data Channel: No
Sample Pressure Data Channel: Yes
Switch 1: No Change
Switch 2: No Change
Switch 3: No Change
Switch 4: No Change
Chart Out: Sample Pressure
Sample Temp Alarm: Disabled
Column Temp Alarm: Disabled
Run Events: yes
End Of Report

Quattro Premier Tune Parameters **MassLynx 4.1** Page 1 of 1

File: C:\MassLynx\PFOA.PRO\ACQUDB\PFOA.IPR

Printed: Wednesday, November 29, 2006 11:00:15 Mountain Standard Time



Type	Start Mass	End Mass	Set Mass
Daughter Scan	368	370	413

Source (ES-)	Settings	Readbacks
Capillary (kV)	1.50	1.46
Cone (V)	20.00	-26.25
Extractor (V)	5.00	-5.74
RF Lens (V)	0.2	
Source Temperature (°C)	120	119
Desolvation Temperature (°C)	300	294
Cone Gas Flow (L/Hr)	19	
Desolvation Gas Flow (L/Hr)	699	

Analyser	Settings	Readbacks
LM 1 Resolution	12.5	
HM 1 Resolution	12.5	
Ion Energy 1	0.8	
Entrance	0	10
Collision	10	10
Exit	1	11
LM 2 Resolution	12.5	
HM 2 Resolution	12.5	
Ion Energy 2	0.8	
Multiplier (V)	650	-649
Syringe Pump Flow (uL/min)	50.0	

Pressure Gauges	
Gas Cell Pirani Pressure(mbar)	5.30e-3

MUX Configuration	
Probe	Standard

Source T-WAVE Parameters
Automated

Collision Cell T-WAVE Parameters
Automated

Experiment Report **MassLynx 4.1** Page 1 of 1

File: c:\masslynx\pfoa.pro\acqudb\pfoslong.exp

Printed: Wednesday, November 29, 2006 10:59:00 Mountain Standard Time

Name	Default Experiment
Creation Time	Wed 29 Nov 2006 07:02:14
Instrument Identifier	
Version Number	1.0
Duration (min)	12.0
Calibration Filename	C:\MassLynx\Hexachlorophene.PRO\ACQUDB\PEG100306.cal
Solvent Delay Divert Valve Enabled	0
Number Of Functions	1

Function 1 : MRM of 5 mass pairs, Time 0.00 to 12.00, ES-

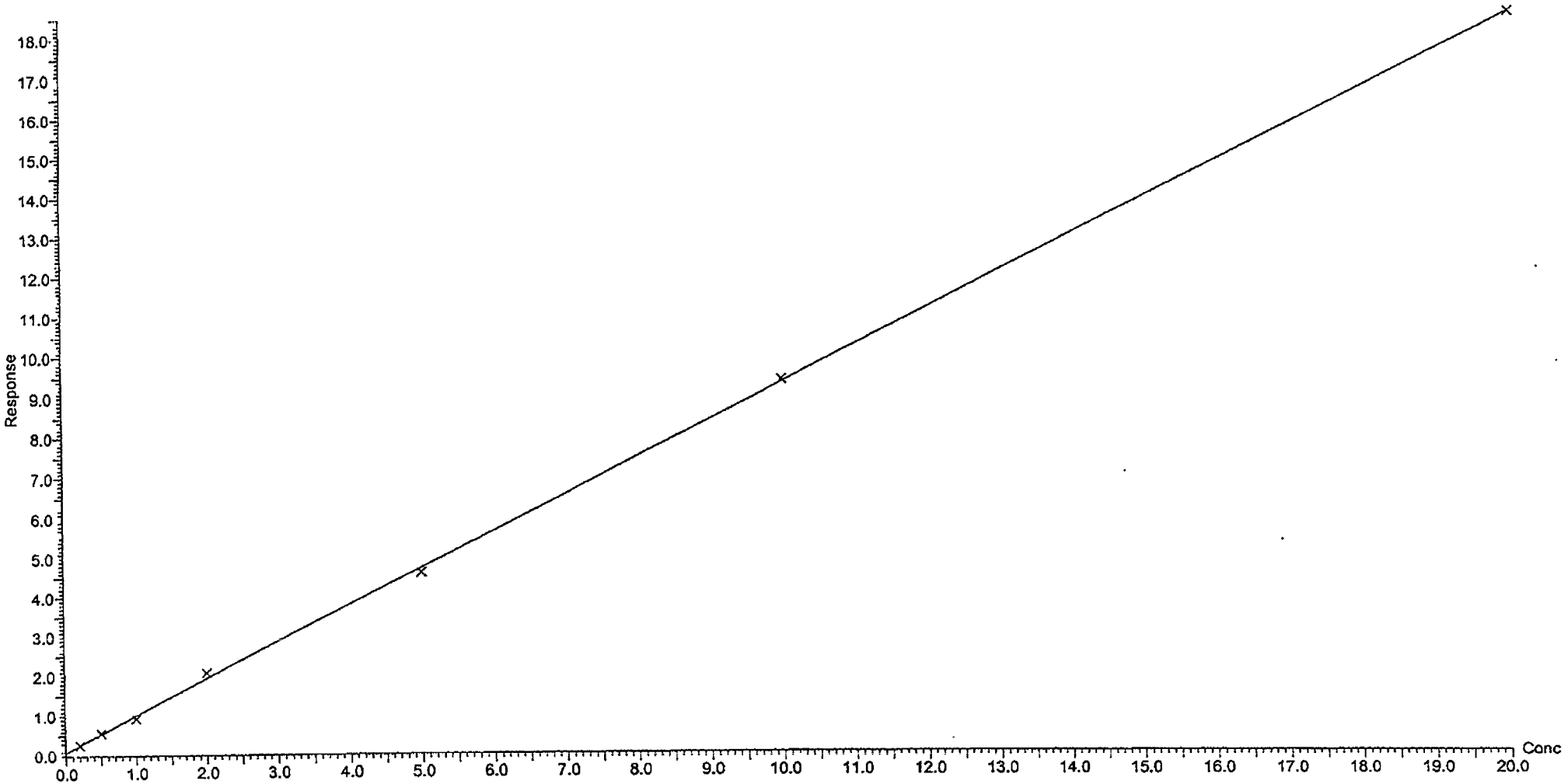
Type	MRM
Ion Mode	ES-
Inter Channel Delay (sec)	0.010
InterScan Time (sec)	0.010
Span (Da)	0.0
Start Time (min)	0.0
End Time (min)	12.0

Ch	Prnt(Da)	Dau(Da)	Dwell(s)	Cone(V)	Coll(eV)	Delay(s)
1	412.70	218.90	0.300	20.00	16.00	0.010
2	412.70	368.90	0.300	20.00	10.00	0.010
3	414.70	369.90	0.200	20.00	10.00	0.010
4	498.60	79.90	0.200	60.00	40.00	0.010
5	498.60	98.80	0.400	60.00	40.00	0.010

Quantify Calibration Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Method: C:\MassLynx\PFOA.PRO\MethDB\pa36k29s.mdb 30 Nov 2006 06:57:57
Calibration: 30 Nov 2006 07:08:01

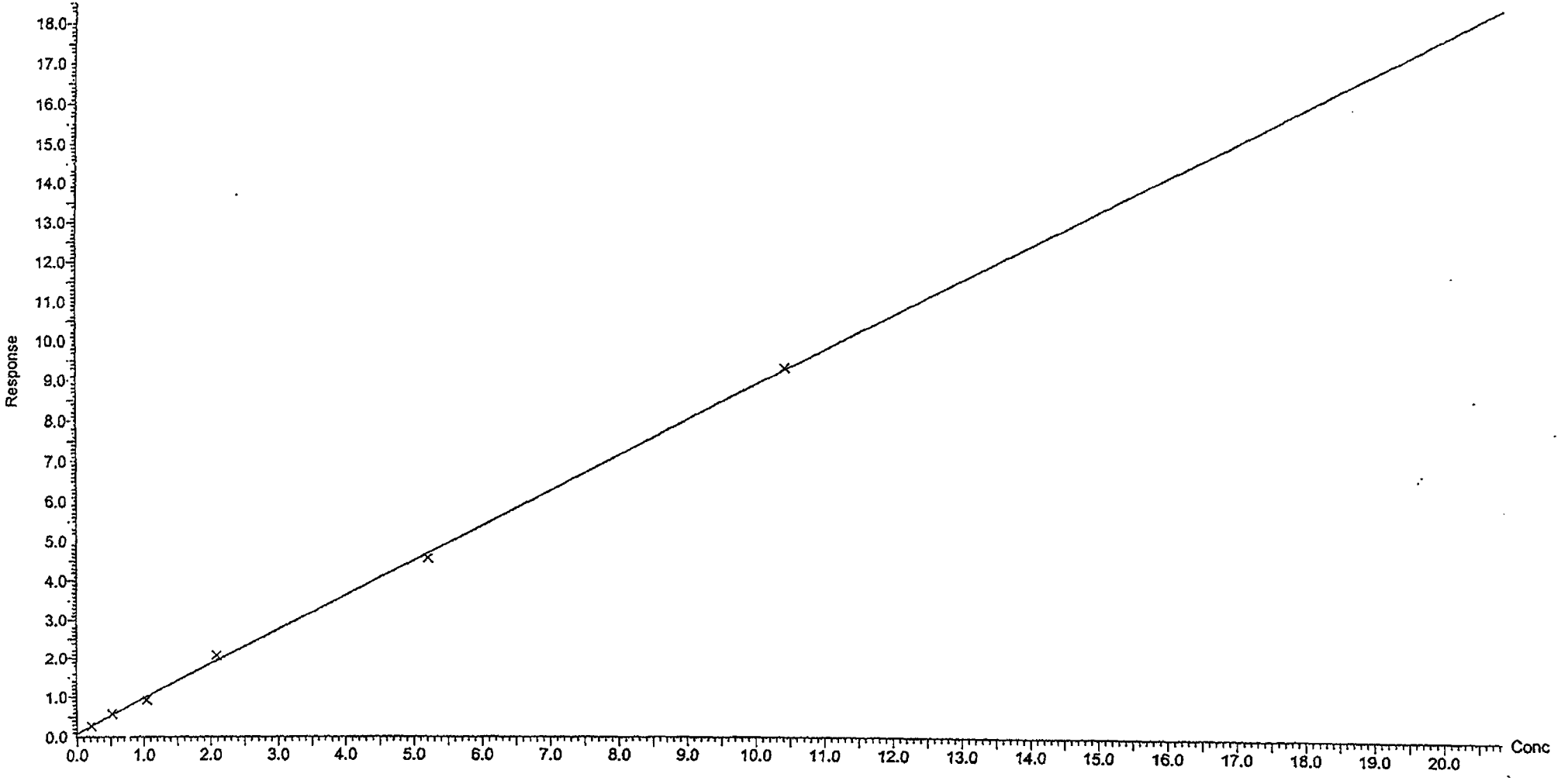
Compound name: PFOA
Coefficient of Determination: R^2 = 0.999251
Calibration curve: -0.000247718 * x^2 + 0.926432 * x + 0.0773411
Response type: Internal Std (Ref 3), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Steve Cowling

Quantify Calibration Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

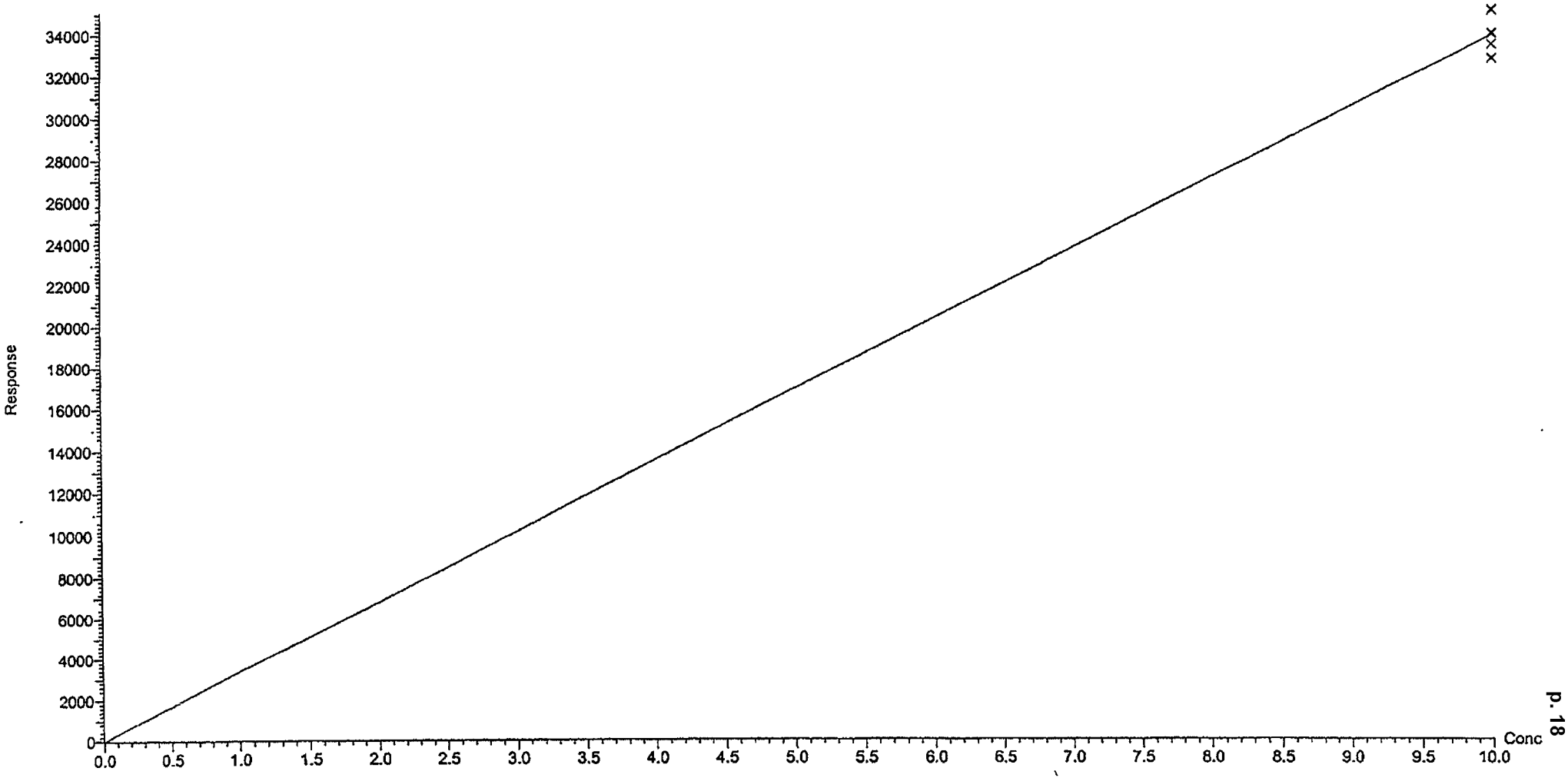
Compound name: APFO
Coefficient of Determination: R^2 = 0.999249
Calibration curve: -0.000226201 * x^2 + 0.889835 * x + 0.0776092
Response type: Internal Std (Ref 3), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Steve Cowling

Quantify Calibration Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Compound name: PFOA 13C2
Response Factor: 3387.75
RRF SD: 95.0757, % Relative SD: 2.80646
Response type: External Std, Area
Curve type: RF



p. 18

Analyst: Steve Cowling

Quantify Calibration Report **MassLynx 4.1**

PFOA Analysis

Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld

Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time

Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

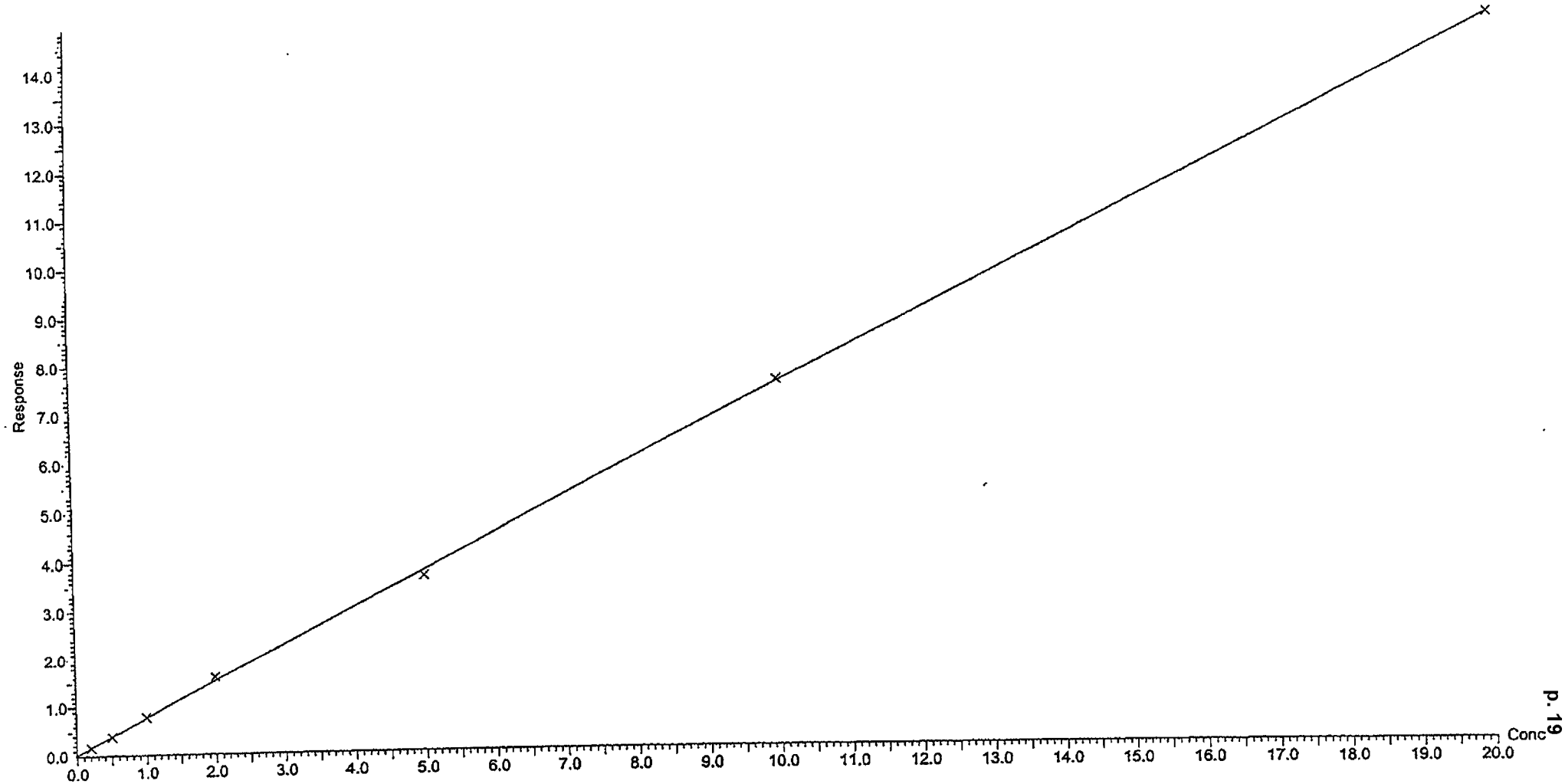
Compound name: PFOS

Coefficient of Determination: R^2 = 0.999658

Calibration curve: -0.000346812 * x^2 + 0.751564 * x + 0.0129081

Response type: Internal Std (Ref 3), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



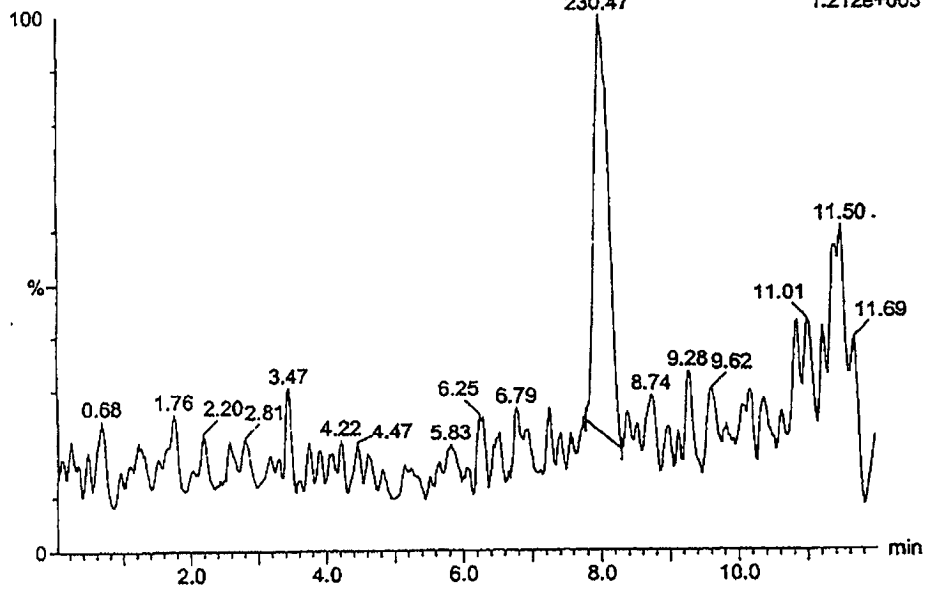
Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

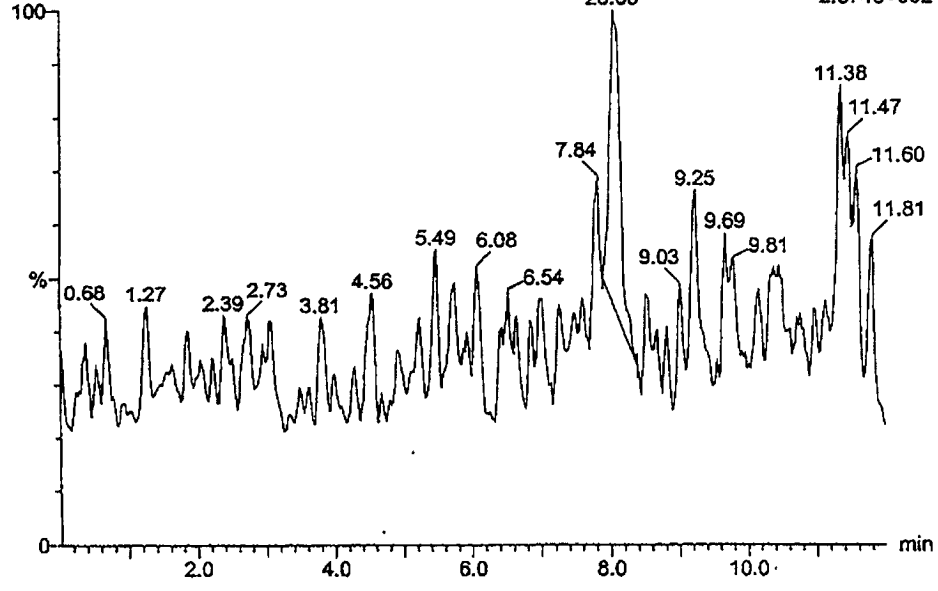
Method: C:\MassLynx\PFOA.PRO\MethDB\pa36k29s.mdb 30 Nov 2006 06:57:57
Calibration: 30 Nov 2006 07:08:01

Name: pf36k2954, Date: 29-Nov-2006, Time: 18:52:04, ID: 930.86.1, Description: Blank

PFOA
pf36k2954 Smooth(Mn,2x1)
Blank 930.86.1
PFOA
7.98
230.47
MRM of 5 channels,ES-
412.7 > 368.9
1.212e+003



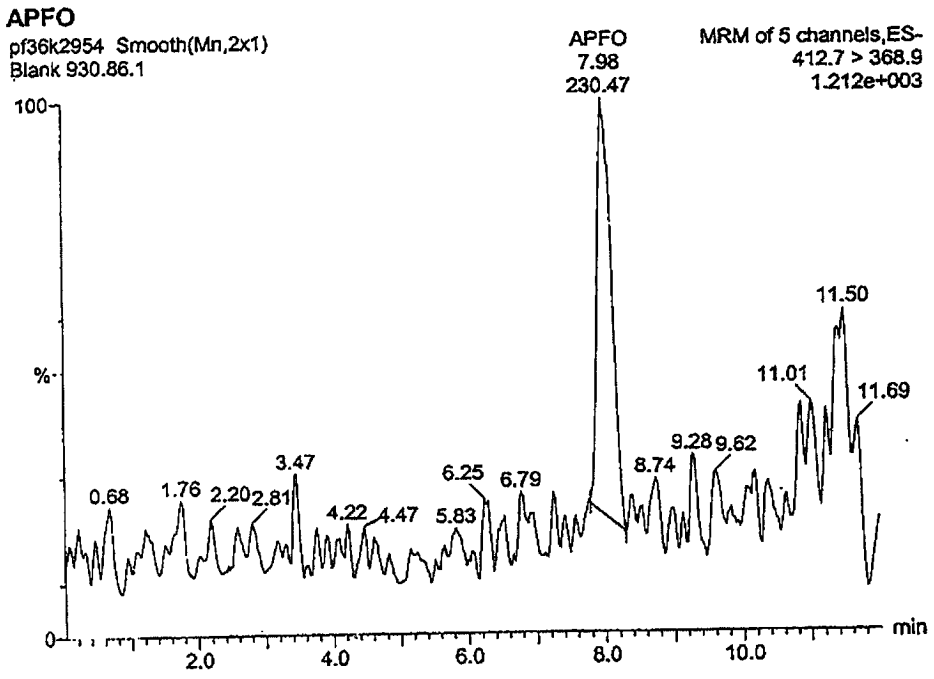
PFOA
pf36k2954 Smooth(Mn,2x1)
Blank 930.86.1
PFOA
8.06
26.60
MRM of 5 channels,ES-
412.7 > 218.9
2.674e+002

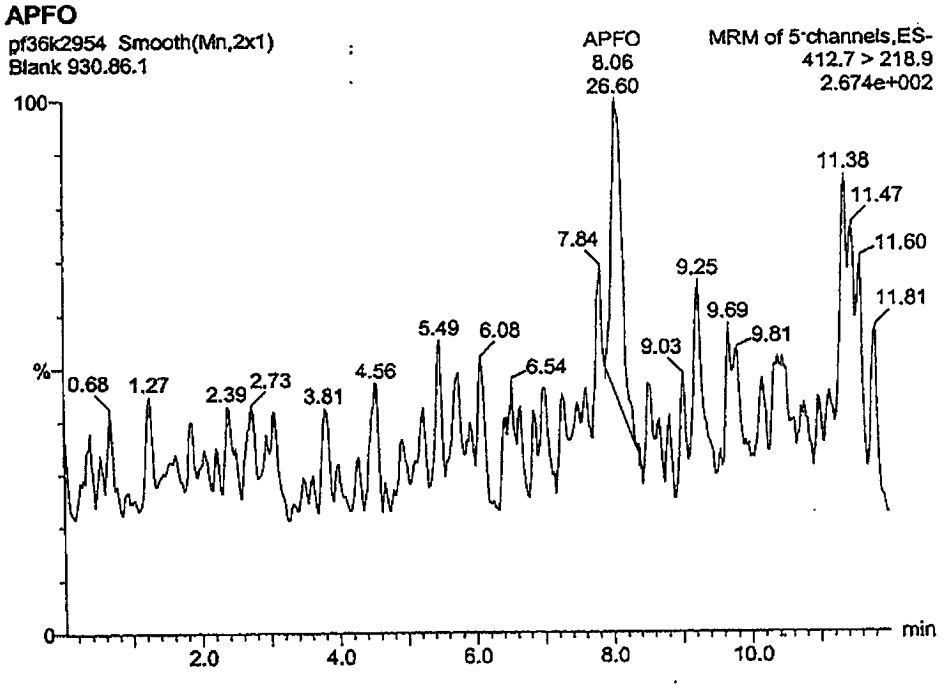


Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2954, Date: 29-Nov-2006, Time: 18:52:04, ID: 930.86.1, Description: Blank



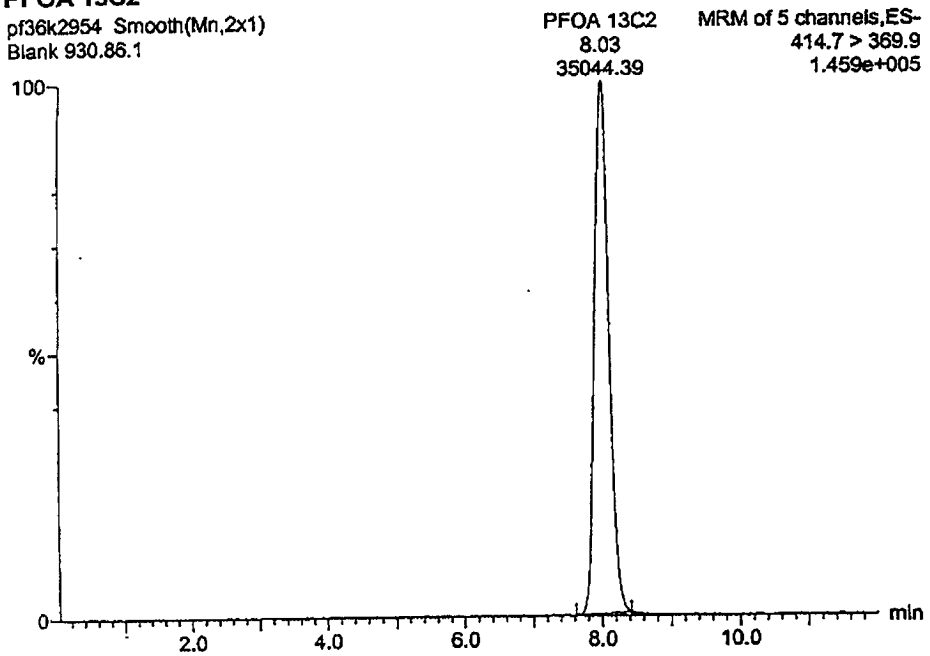


Analyst: Steve Cowling

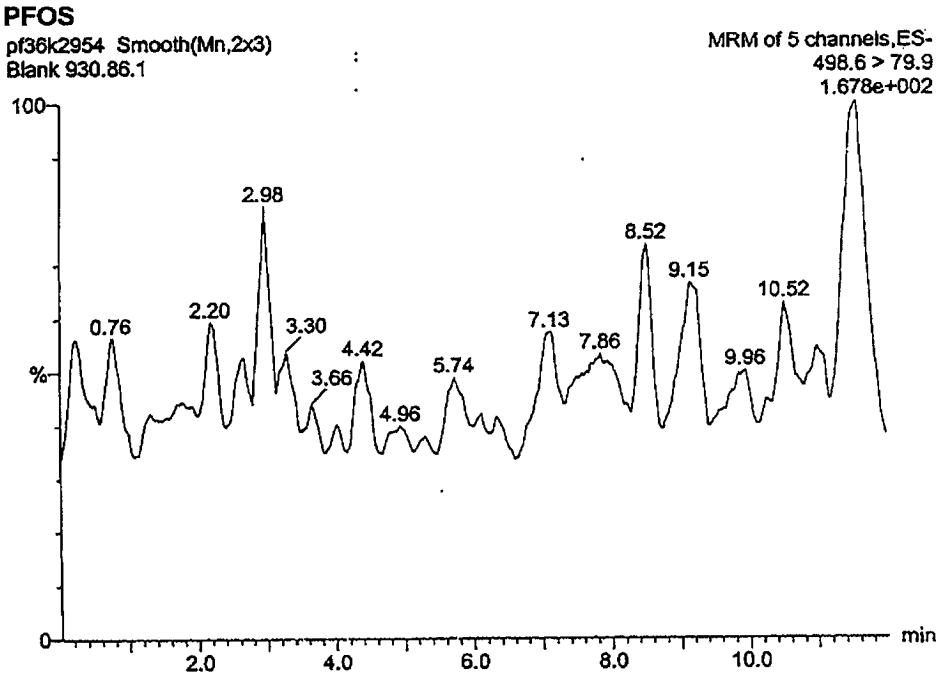
Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2954, Date: 29-Nov-2006, Time: 18:52:04, ID: 930.86.1, Description: Blank

PFOA 13C2



PFOS



Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.**

PFOA Analysis

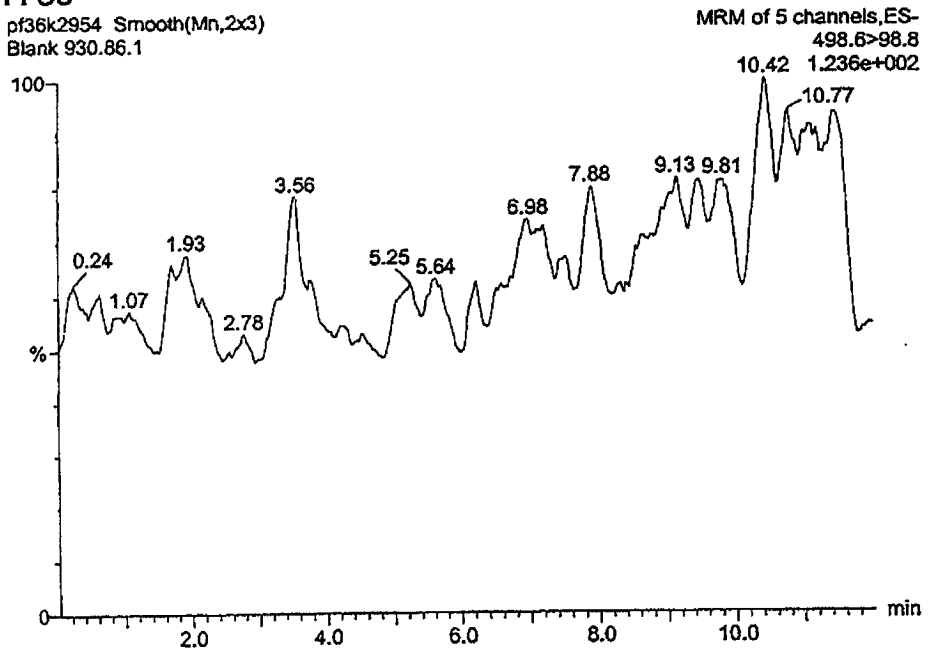
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld

Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time

Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2954, Date: 29-Nov-2006, Time: 18:52:04, ID: 930.86.1, Description: Blank

PFOS



	Name	RT	Area	Flags	ISTArea	ISTD	Response	Conc	%Rec	Mod Comment	Mod Date	Cal File
1	PFOA	7.98	230.467	bbl	35044.391	3	0.066					
2	APFO	7.98	230.467	bbl	35044.391	3	0.066					
3	PFOA 13C2	8.03	35044.391	bb		0	35044.391	10.344	103.4			
4	PFOS				35044.391	3						

Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**

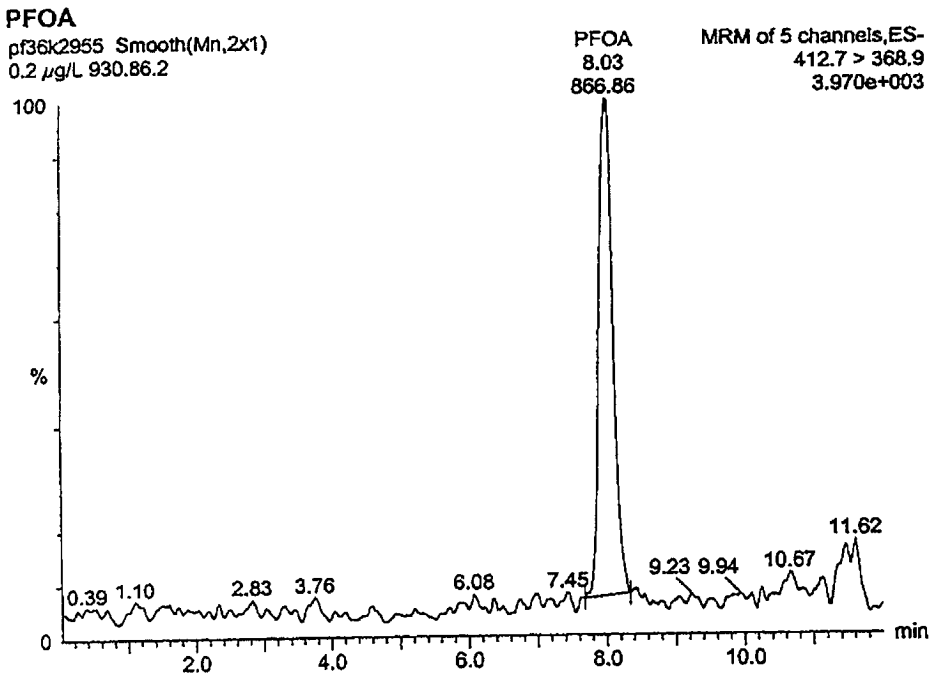
PFOA Analysis

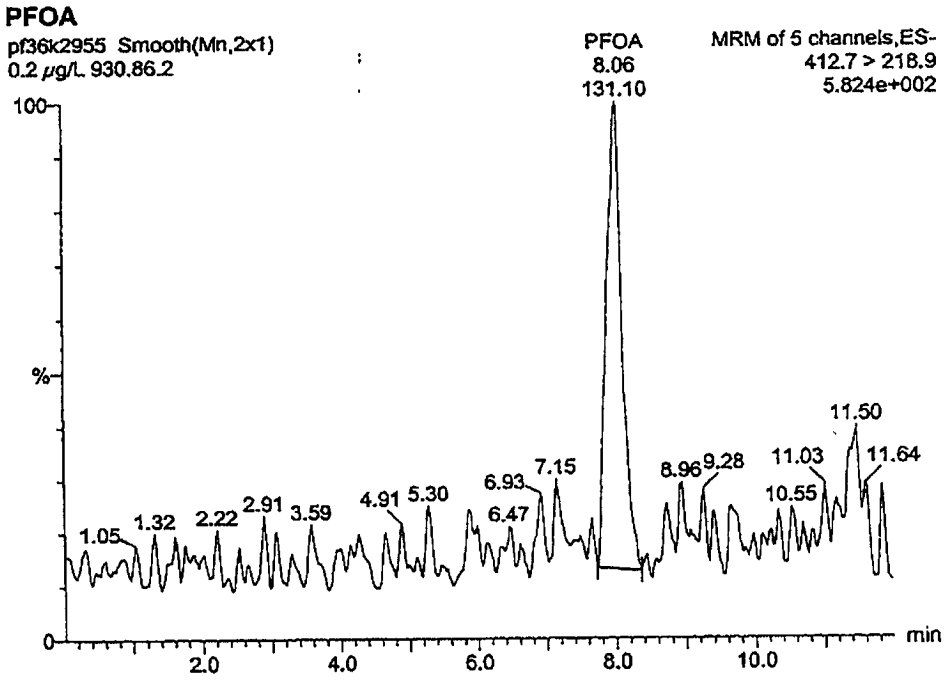
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld

Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time

Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2955, Date: 29-Nov-2006, Time: 19:05:01, ID: 930.86.2, Description: 0.2 µg/L

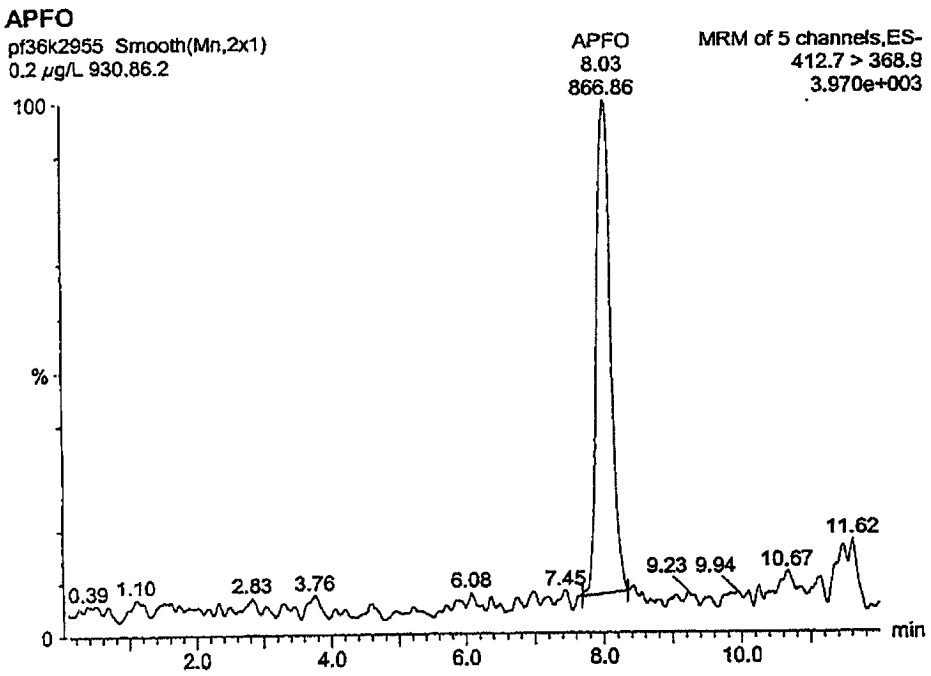


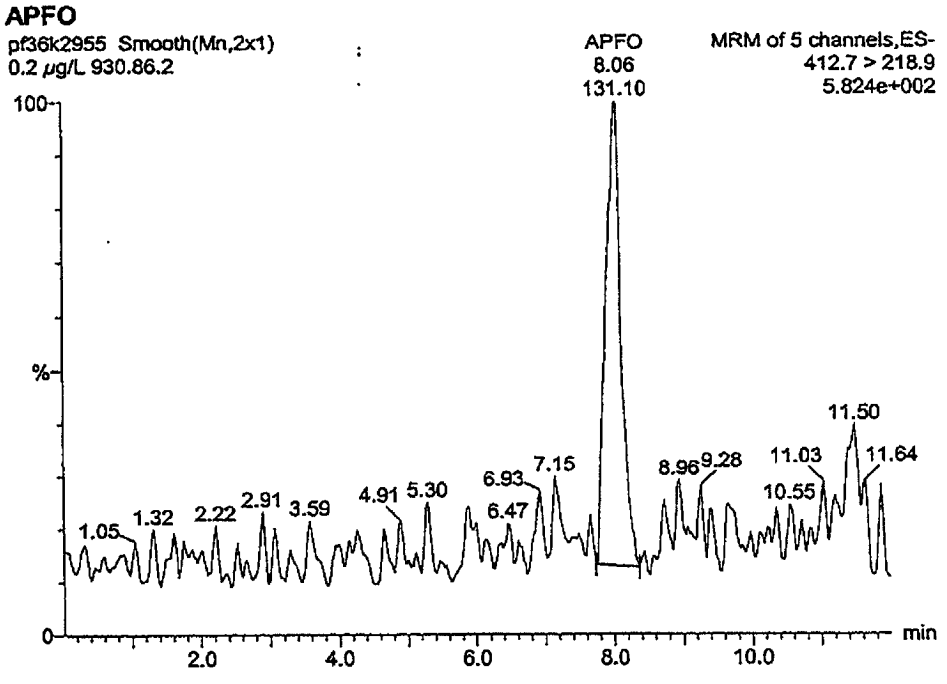


Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2955, Date: 29-Nov-2006, Time: 19:05:01, ID: 930.86.2, Description: 0.2 µg/L





Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**

PFOA Analysis

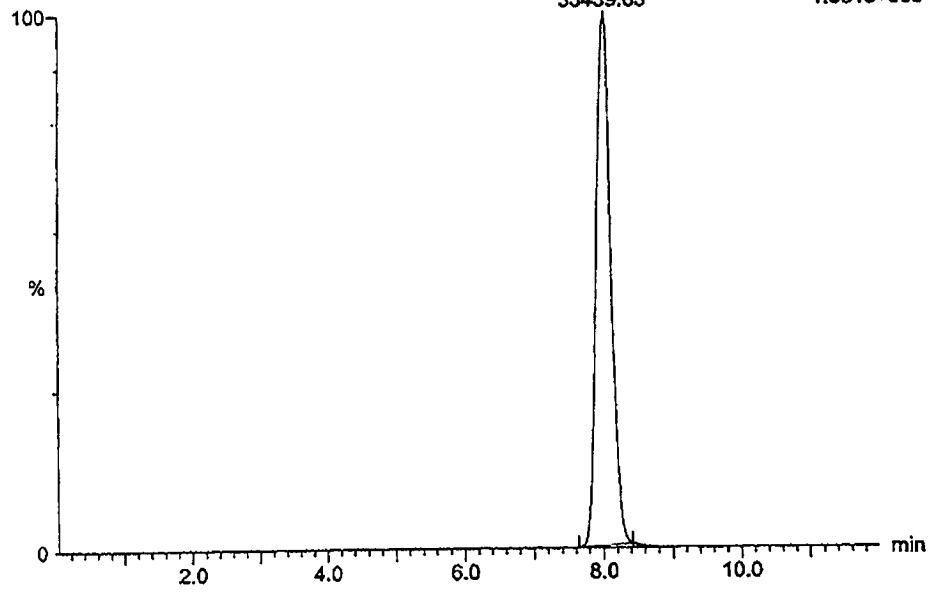
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld

Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time

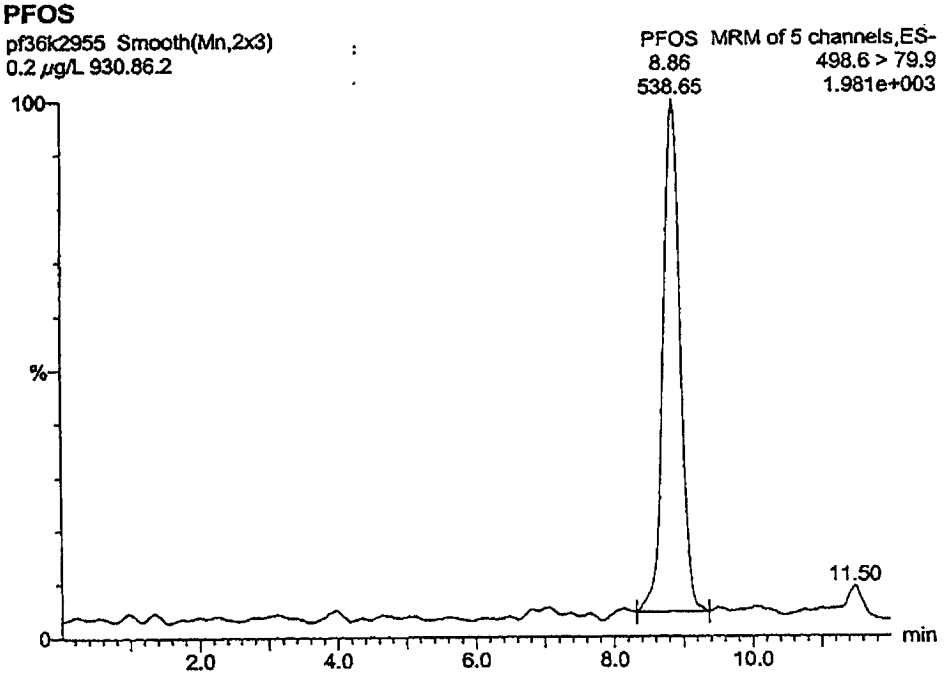
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2955, Date: 29-Nov-2006, Time: 19:05:01, ID: 930.86.2, Description: 0.2 µg/L

PFOA 13C2



PFOS

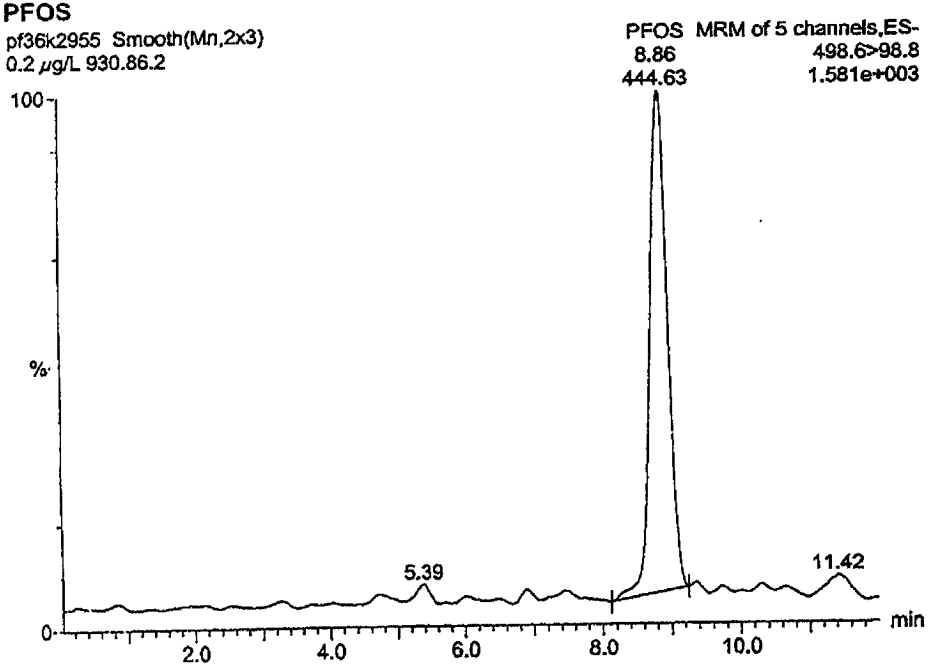


Analyst: Steve Cowling

Quantify Sample Report MassLynx 4.1
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2955, Date: 29-Nov-2006, Time: 19:05:01, ID: 930.86.2, Description: 0.2 µg/L

PFOS



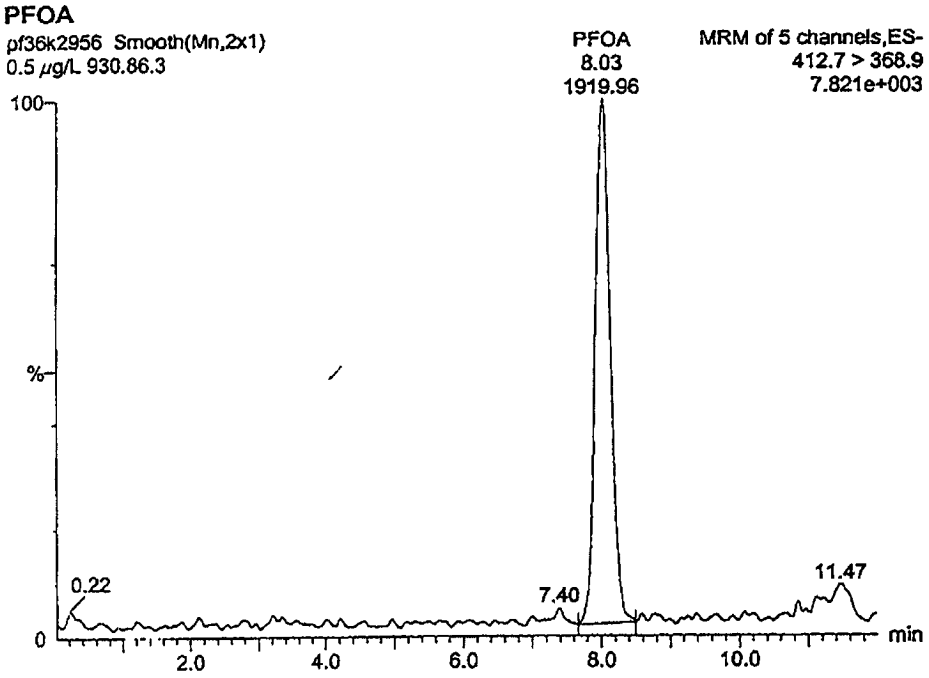
	Name	RT	Area	Flags	Level	IS	Respnse	Conc	Rec	Mod	Comment	ModDate	RetLrle
1	1 PFOA	8.03	866.860	bb	33439.629	3	0.259	0.196	98.2				
2	2 APFO	8.03	866.860	bb	33439.629	3	0.259	0.204	98.1				
3	3 PFOA 13C2	8.03	33439.629	bb		0	33439.629	9.871	98.7				
4	4 PFOS	8.86	538.654	bb	33439.629	3	0.161	0.197	98.6				

Analyst: Steve Cowling

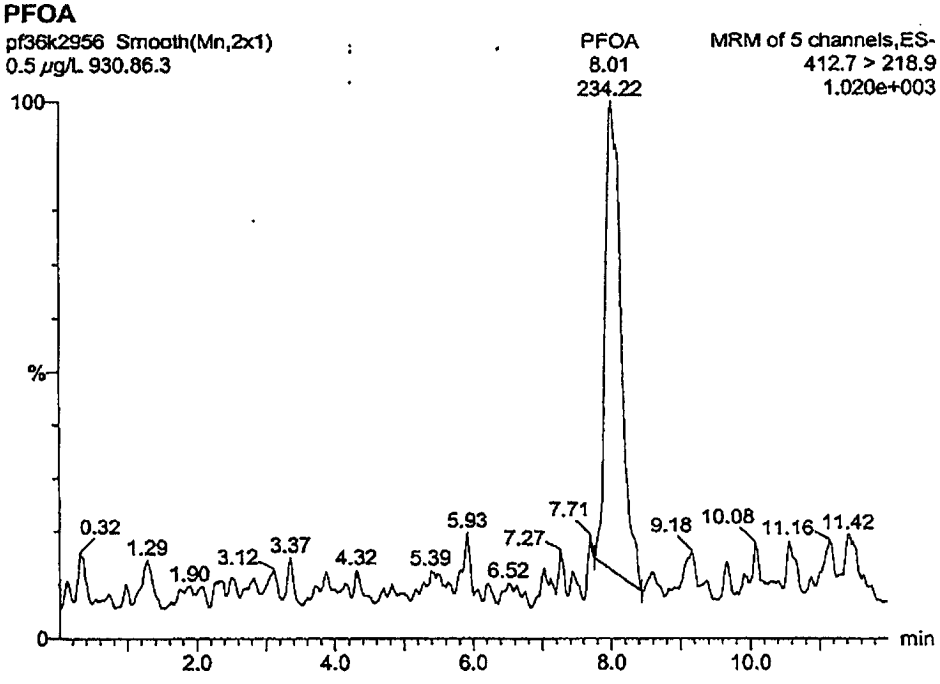
Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2956, Date: 29-Nov-2006, Time: 19:17:58, ID: 930.86.3, Description: 0.5 µg/L

PFOA



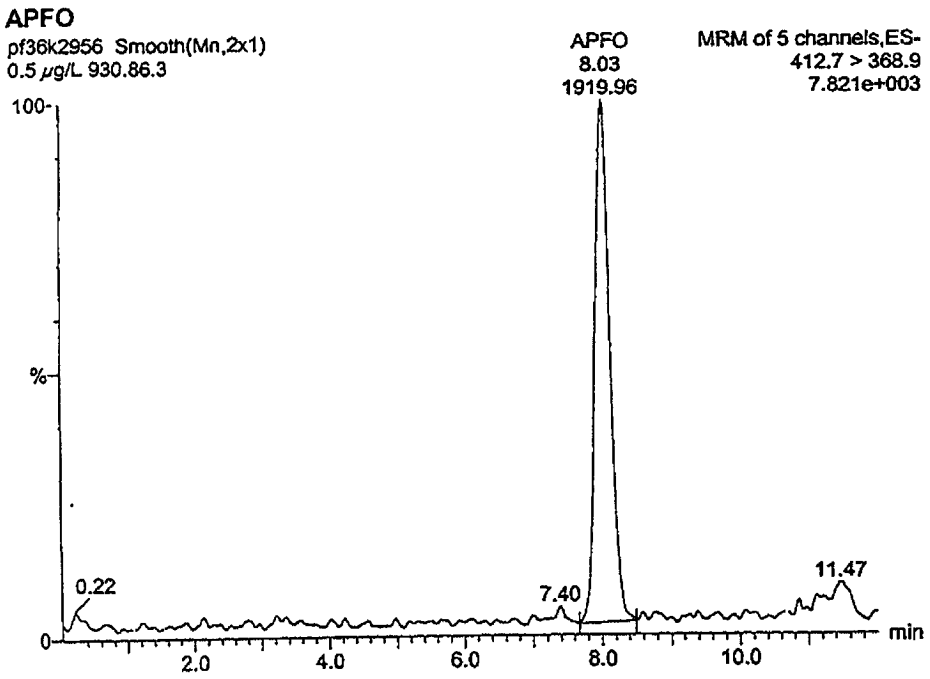
PFOA

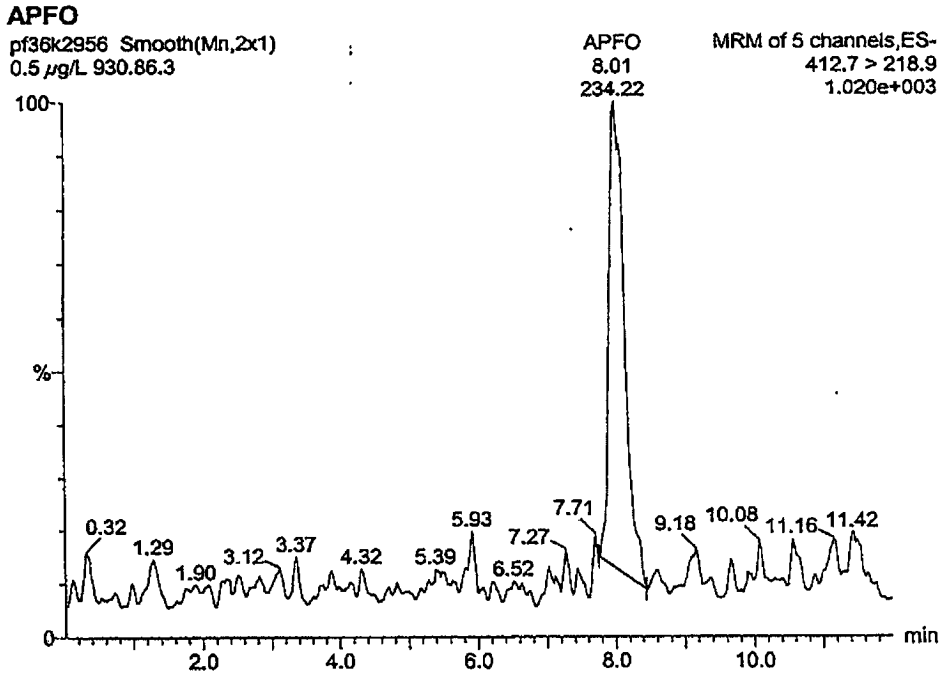


Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qid
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2956, Date: 29-Nov-2006, Time: 19:17:58, ID: 930.86.3, Description: 0.5 µg/L



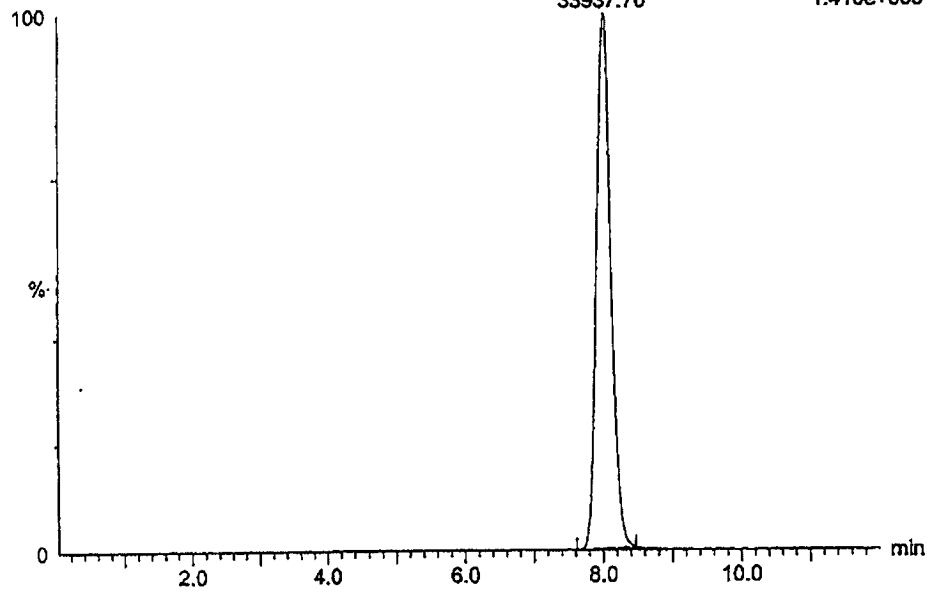


Analyst: Steve Cowling

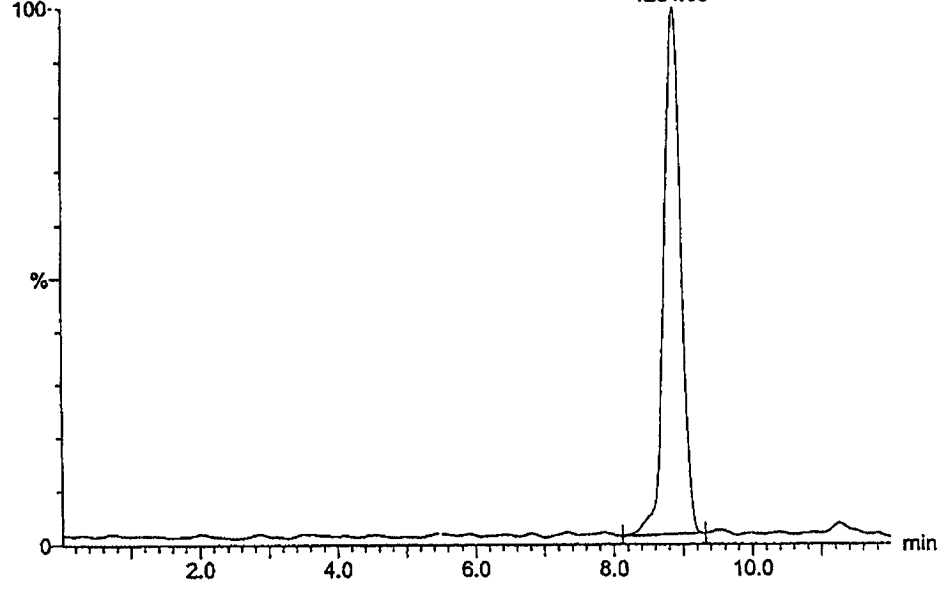
Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2956, Date: 29-Nov-2006, Time: 19:17:58, ID: 930.86.3, Description: 0.5 µg/L

PFOA 13C2



PFOS

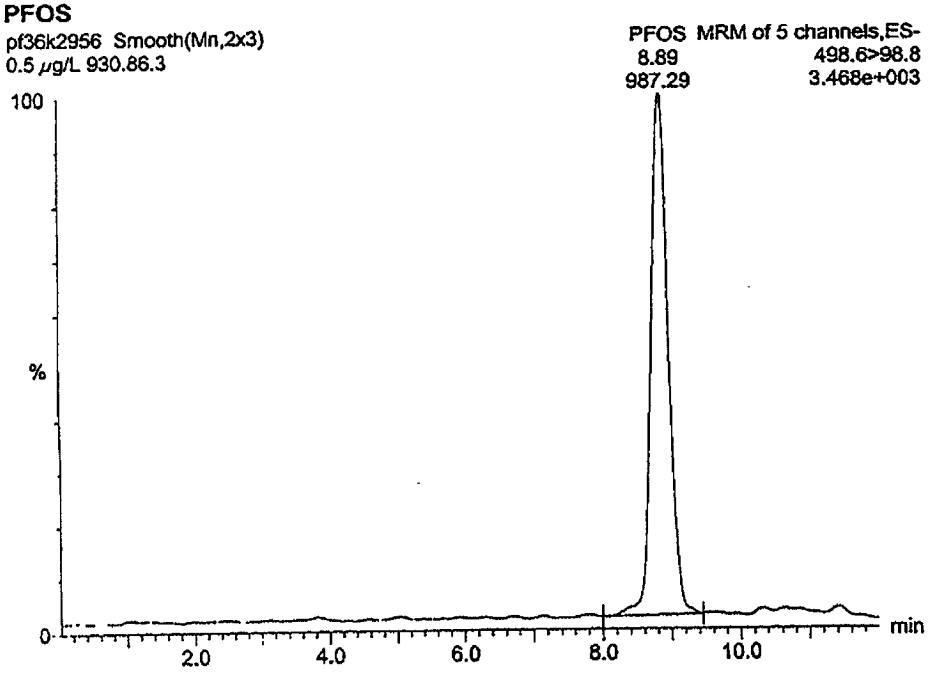


Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2956, Date: 29-Nov-2006, Time: 19:17:58, ID: 930.86.3, Description: 0.5 µg/L

PFOS



	Name	RT	Area	Flgs	IS Area	IS	Response	Conc	Rec Mod	Confirmed	Mod Date	%Diff
1	PFOA	8.03	1919.961	bb	33937.699	3	0.566	0.527				105.4
2	APFO	8.03	1919.961	bb	33937.699	3	0.566	0.549				105.5
3	PFOA 13C2	8.03	33937.699	bb		0	33937.699	10.018				100.2
4	PFOS	8.89	1284.654	bb	33937.699	3	0.379	0.487				97.3

Analyst: Steve Cowling

Quantify Sample Report **MassLynx**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

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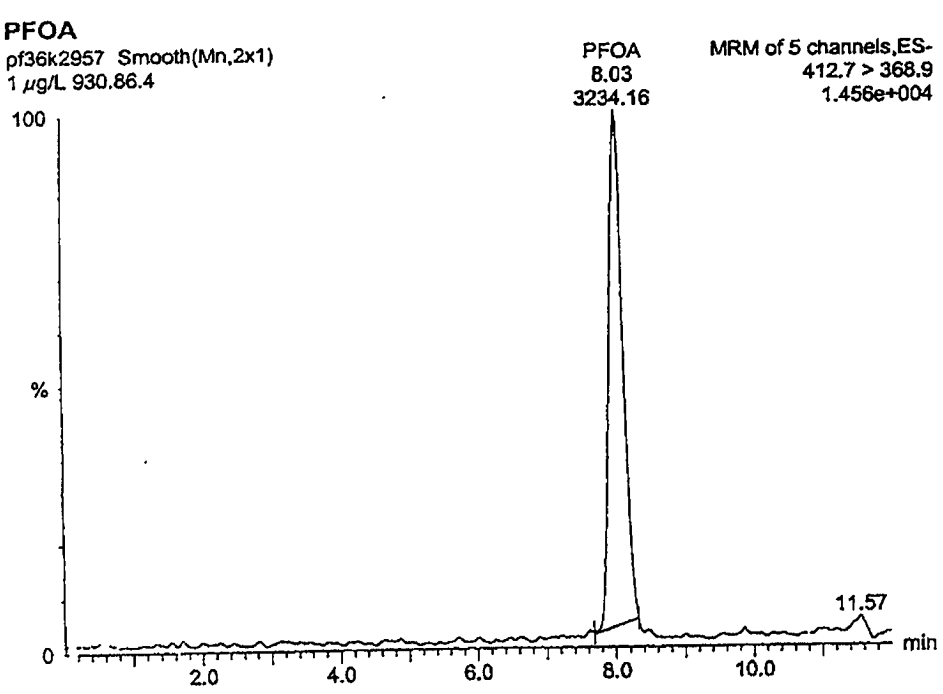
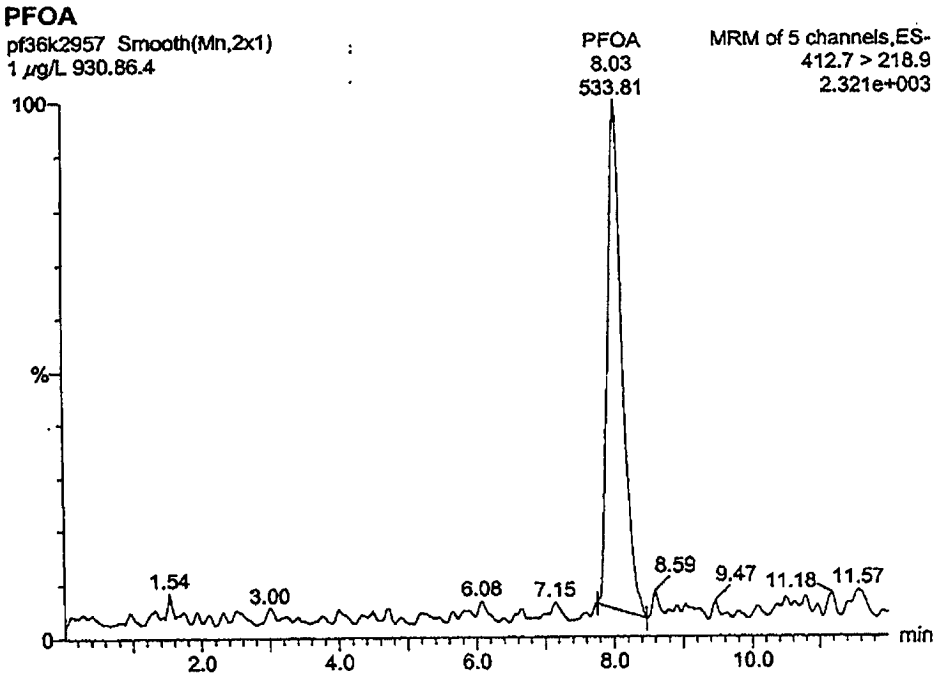
Name: pf36k2957, Date: 29-Nov-2006, Time: 19:30:55, ID: 930.86.4, Description: 1 µg/L





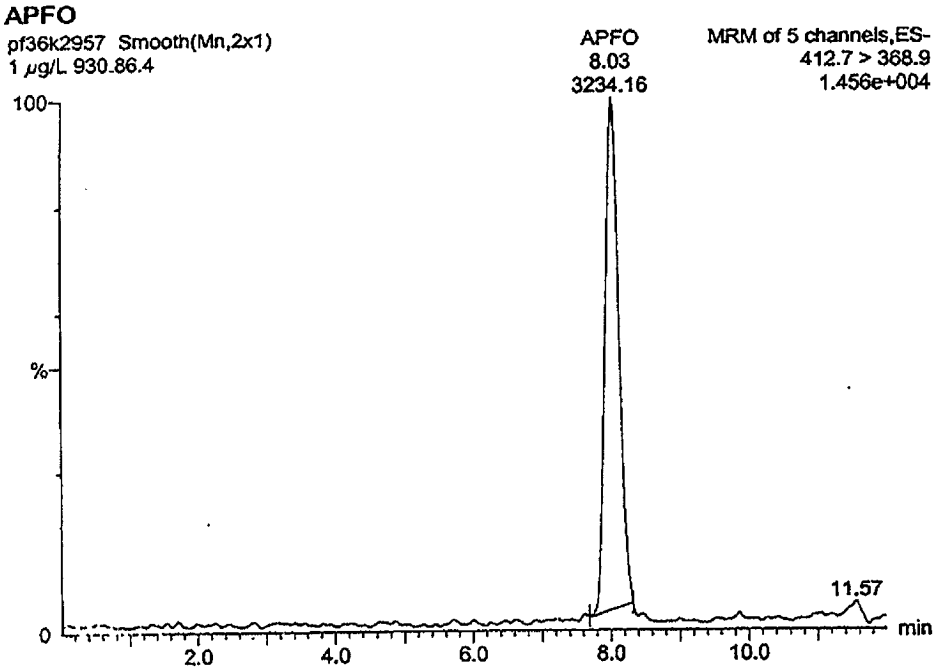
Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

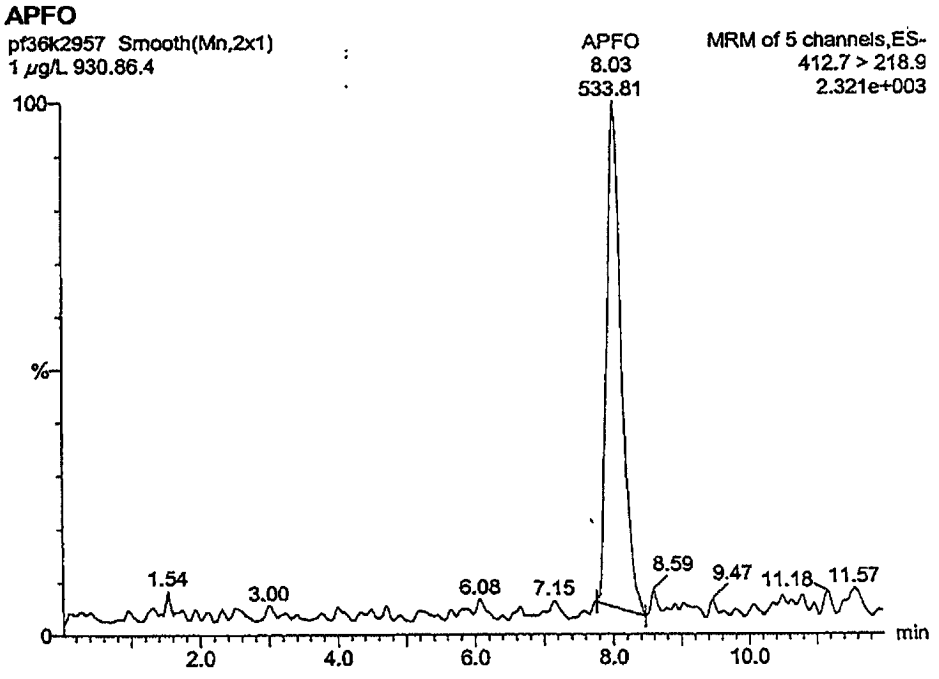
p. 33

Name: pf36k2957, Date: 29-Nov-2006, Time: 19:30:55, ID: 930.86.4, Description: 1 µg/L

APFO



APFO



Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**

PFOA Analysis

Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld

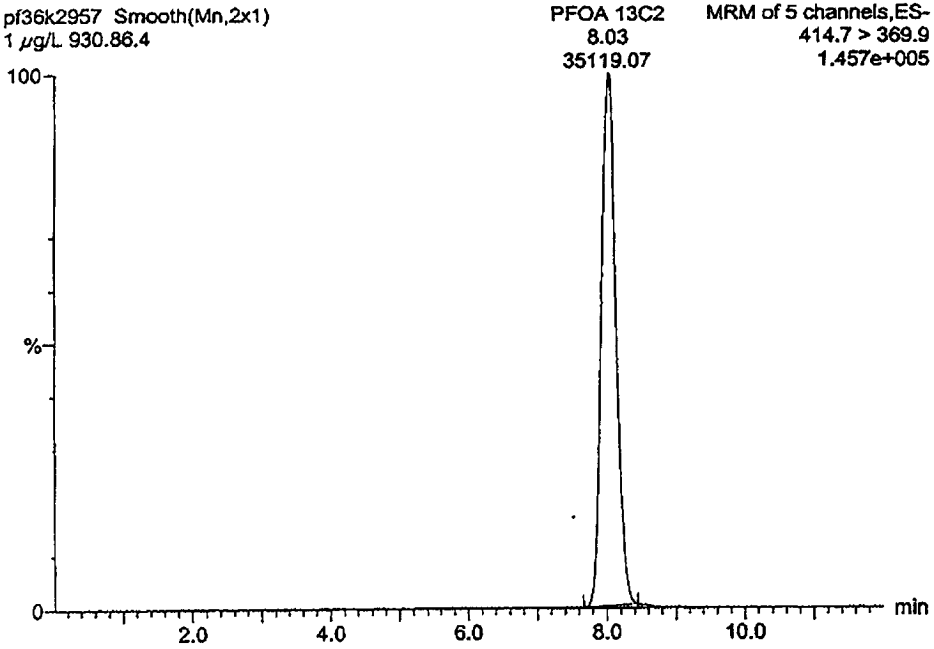
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time

Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

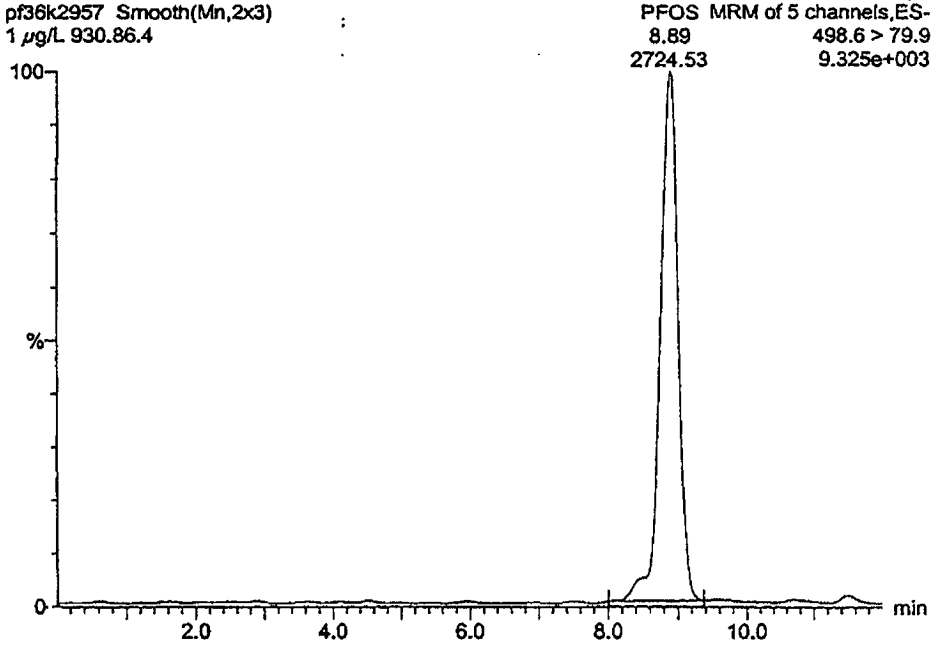
p. 34

Name: pf36k2957, Date: 29-Nov-2006, Time: 19:30:55, ID: 930.86.4, Description: 1 µg/L

PFOA 13C2



PFOS



Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**

PFOA Analysis

Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld

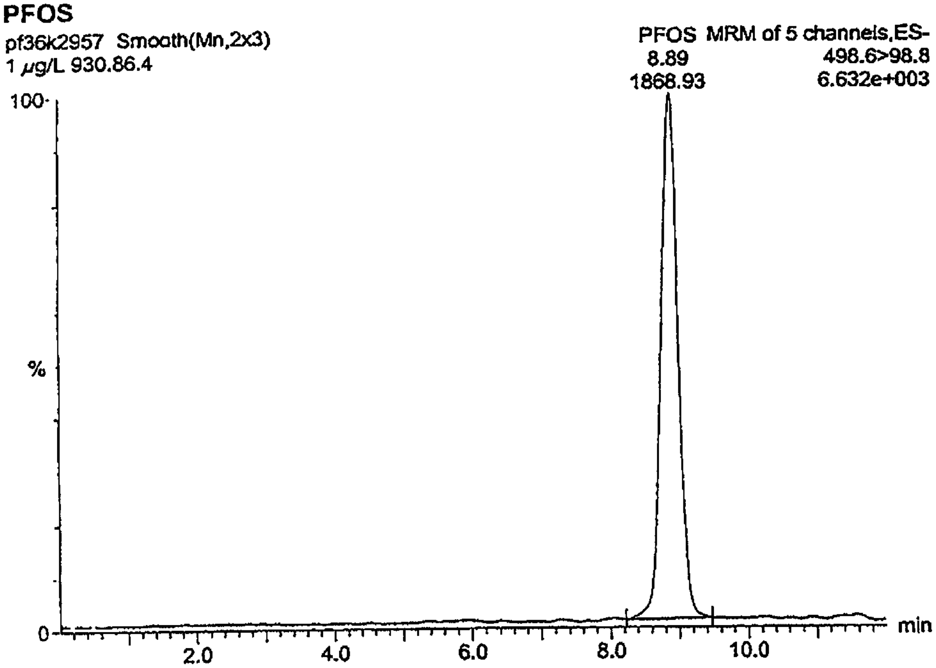
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time

Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2957, Date: 29-Nov-2006, Time: 19:30:55, ID: 930.86.4, Description: 1 μg/L

PFOS

pf36k2957 Smooth(Mn,2x3)
1 μg/L 930.86.4



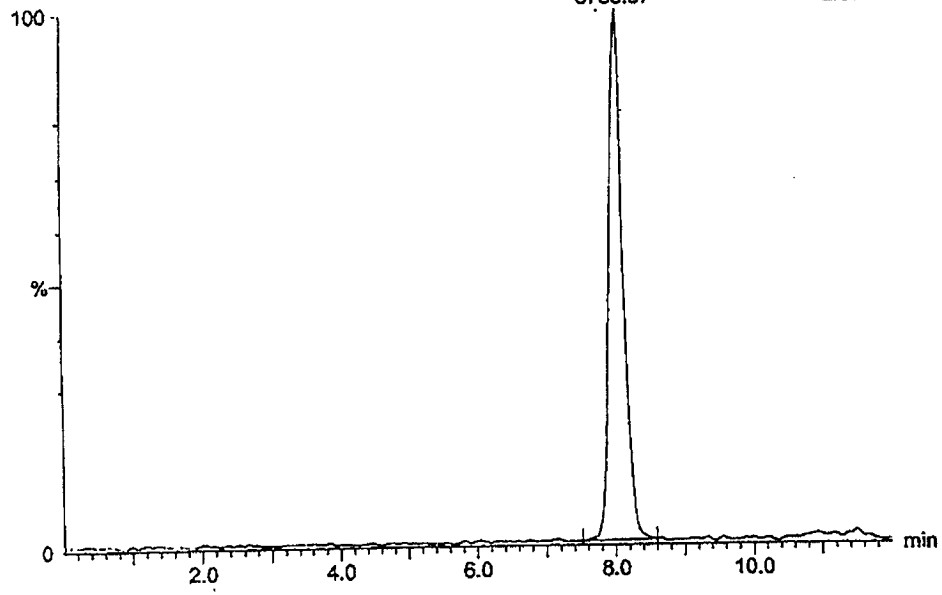
#	Name	RT	Area	Flags	IS Area	IS	Response	Conc.	%Rec	Mod	Comment	Mod Date	Cal File
1	1 PFOA	8.03	3234.157	db	35119.074	3	0.921	0.911	91.1				
2	2 APFO	8.03	3234.157	db	35119.074	3	0.921	0.948	91.1				
3	3 PFOA 13C2	8.03	35119.074	bb		0	35119.074	10.367	103.7				
4	4 PFOS	8.89	2724.531	bb	35119.074	3	0.776	1.016	101.6				

Analyst: Steve Cowling

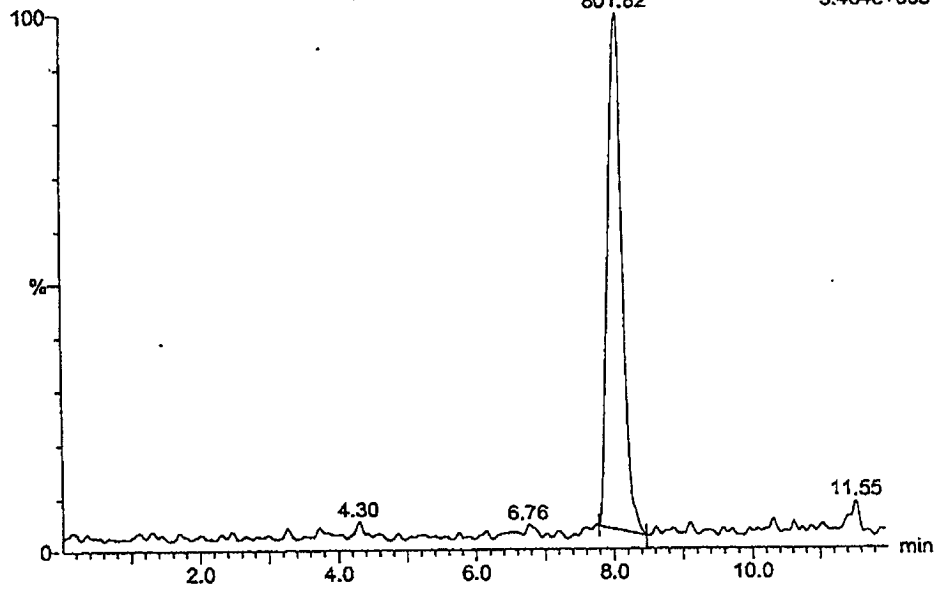
Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2958, Date: 29-Nov-2006, Time: 19:43:53, ID: 930.86.5, Description: 2 µg/L

PFOA
pf36k2958 Smooth(Mn,2x1)
2 µg/L 930.86.5



PFOA
pf36k2958 Smooth(Mn,2x1)
2 µg/L 930.86.5

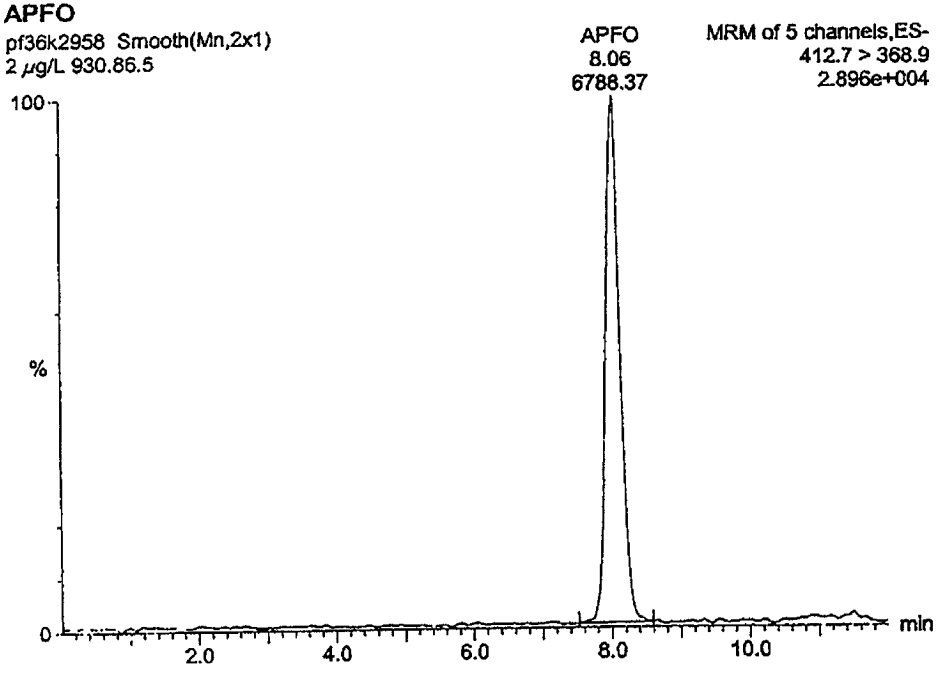


Analyst: Steve Cowling

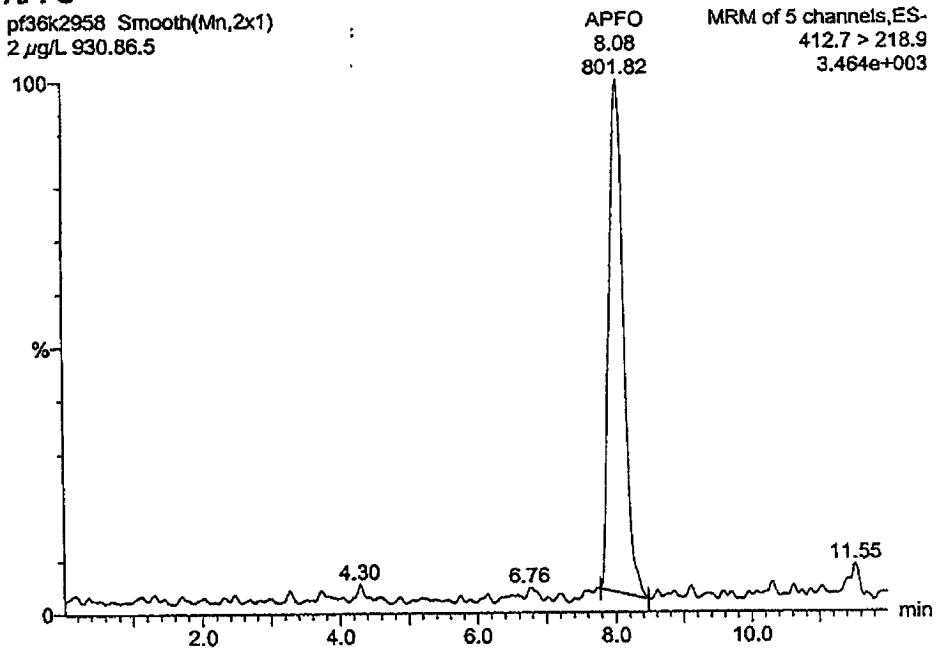
Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2958, Date: 29-Nov-2006, Time: 19:43:53, ID: 930.86.5, Description: 2 µg/L

APFO



APFO



Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**

PFOA Analysis

Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld

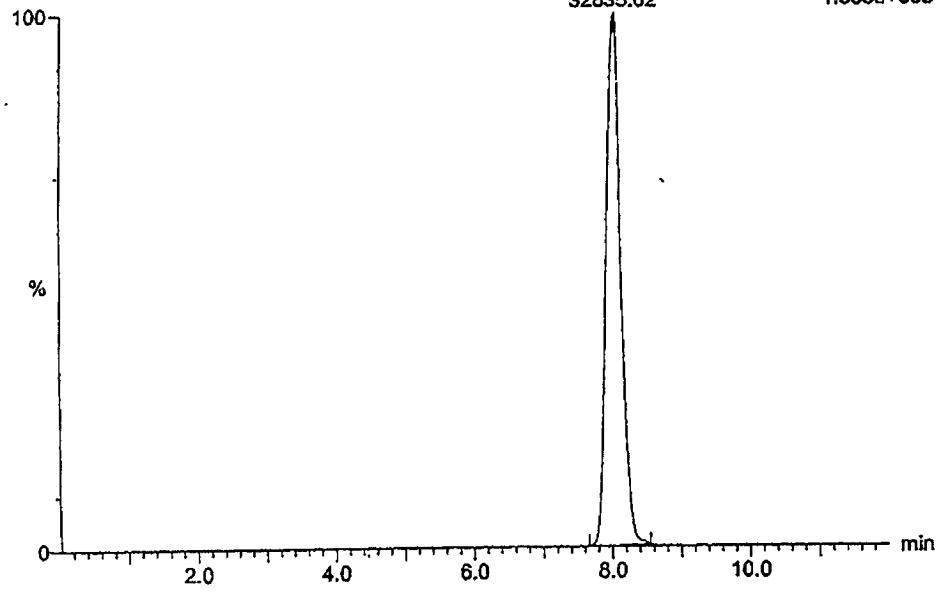
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time

Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

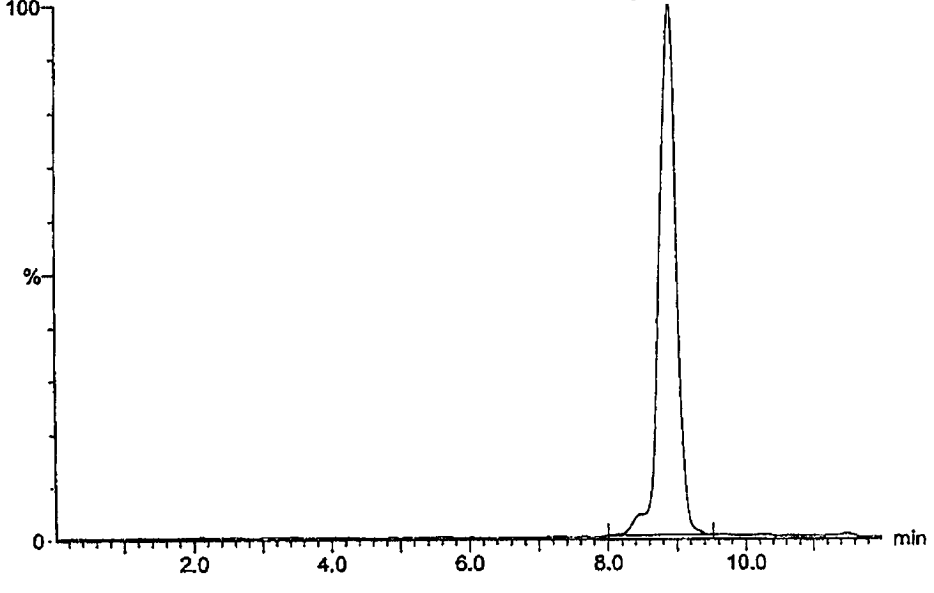
p. 36

Name: pf36k2958, Date: 29-Nov-2006, Time: 19:43:53, ID: 930.86.5, Description: 2 µg/L

PFOA 13C2



PFOS



Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**

PFOA Analysis

Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld

Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time

Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

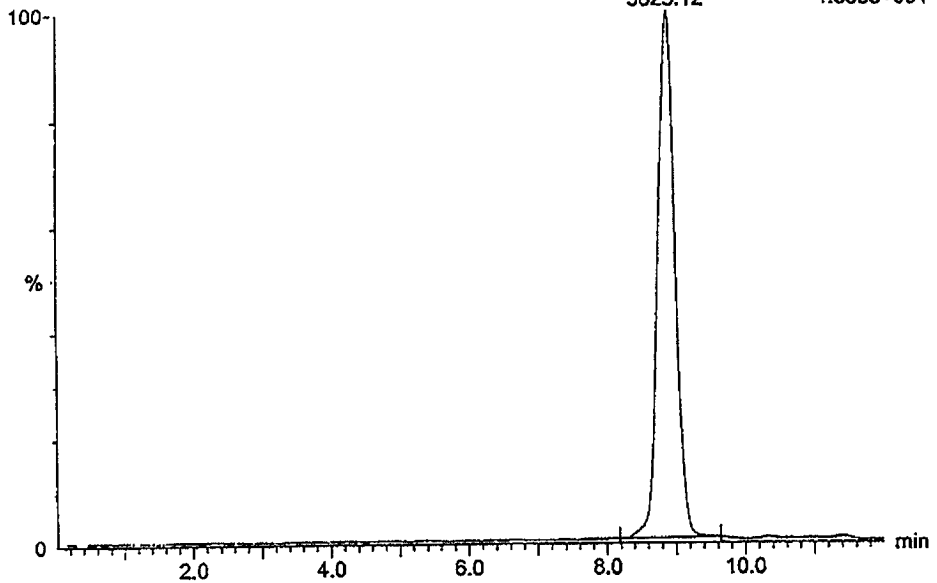
p. 39

Name: pf36k2958, Date: 29-Nov-2006, Time: 19:43:53, ID: 930.86.5, Description: 2 µg/L

PFOS

pf36k2958 Smooth(Mn,2x3)
2 µg/L 930.86.5

PFOS MRM of 5 channels,ES-
8.89 498.6>98.8
3825.12 1.335e+004



	#:Name	RT	Area	Flags	IS Area	IS#	Response	Conc	Ret Nod Content Mod Date	Sample
1	1 PFOA	8.06	6788.372	bb	32835.023	3	2.067	2.149	107.5	
2	2 APFO	8.06	6788.372	bb	32835.023	3	2.067	2.237	107.5	
3	3 PFOA 13C2	8.06	32835.023	bb		0	32835.023	9.692	96.9	
4	4 PFOS	8.89	5227.391	bb	32835.023	3	1.592	2.103	105.2	

Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**

PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

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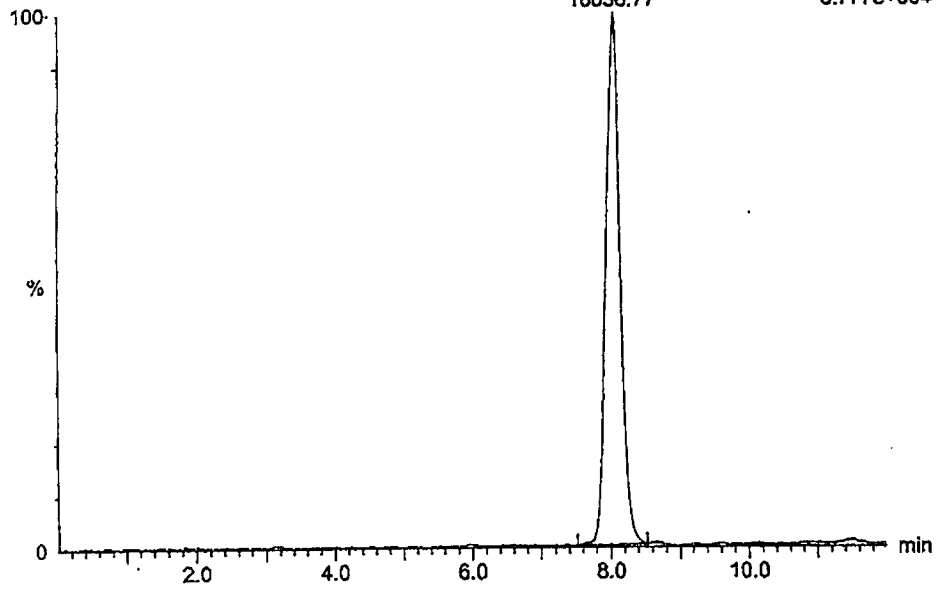
Name: pf36k2959, Date: 29-Nov-2006, Time: 19:56:49, ID: 930.86.6, Description: 5 µg/L

PFOA

pf36k2959 Smooth(Mn,2x1)
5 µg/L 930.86.6

PFOA
8.06
16036.77

MRM of 5 channels,ES-
412.7 > 368.9
6.777e+004

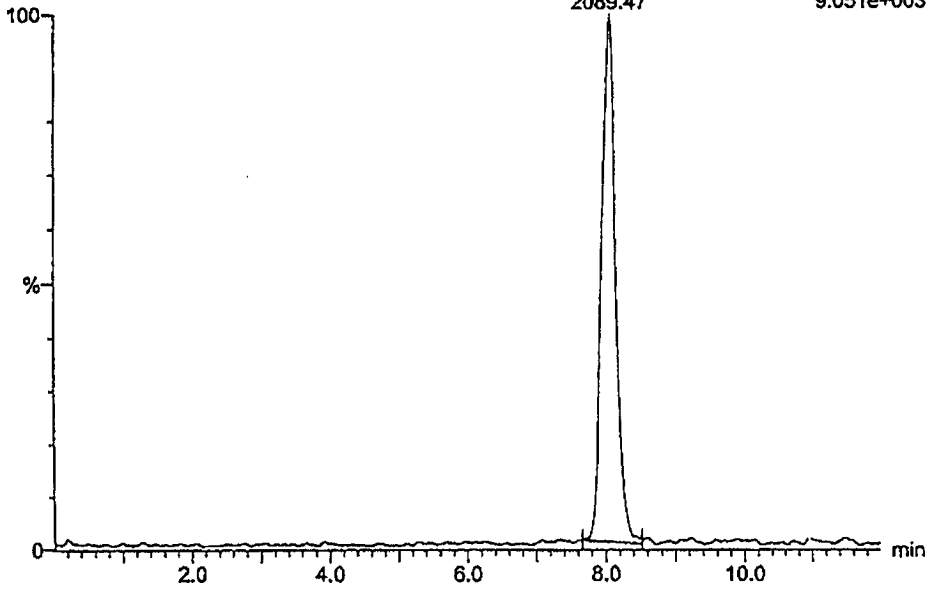


PFOA

pf36k2959 Smooth(Mn,2x1)
5 µg/L 930.86.6

PFOA
8.08
2089.47

MRM of 5 channels,ES-
412.7 > 218.9
9.051e+003

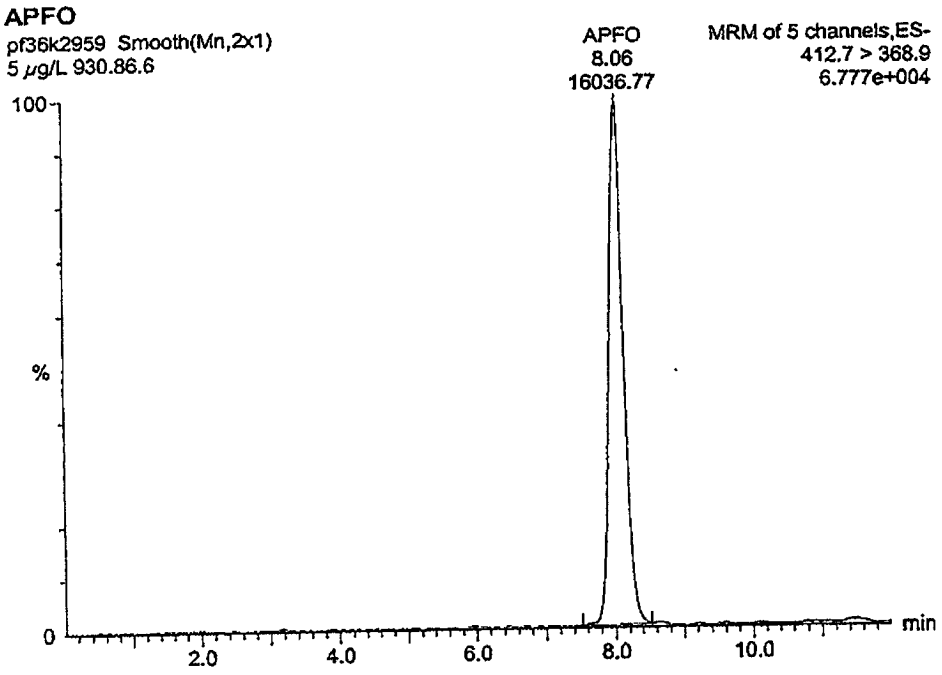


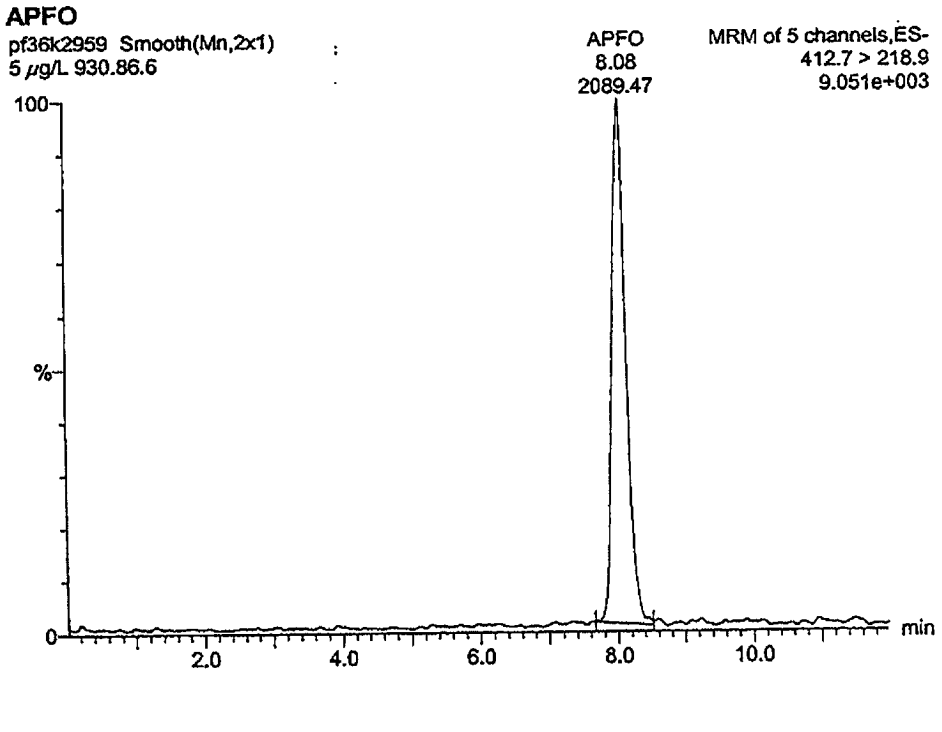
Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k2959s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

p. 41

Name: pf36k2959, Date: 29-Nov-2006, Time: 19:56:49, ID: 930.86.6, Description: 5 µg/L





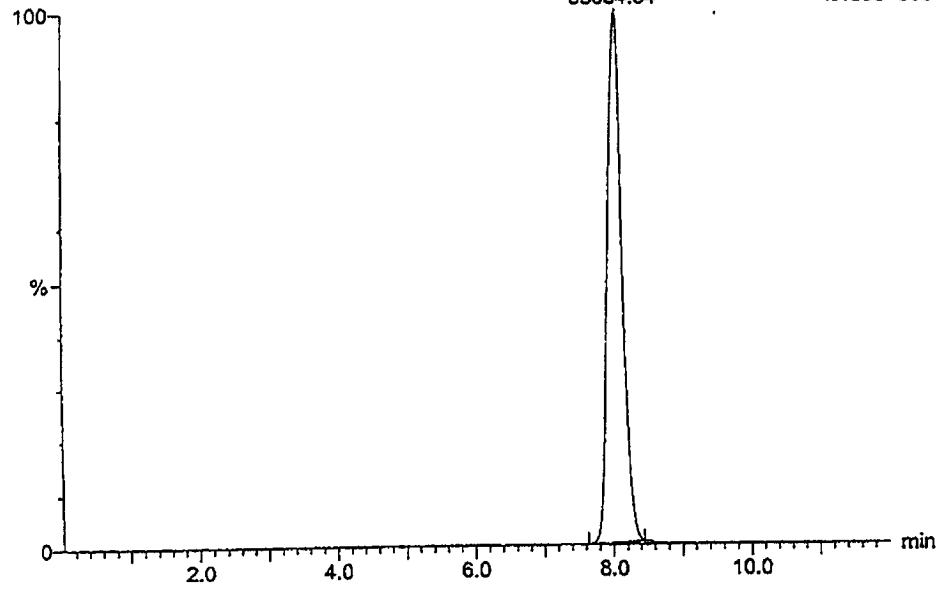
Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

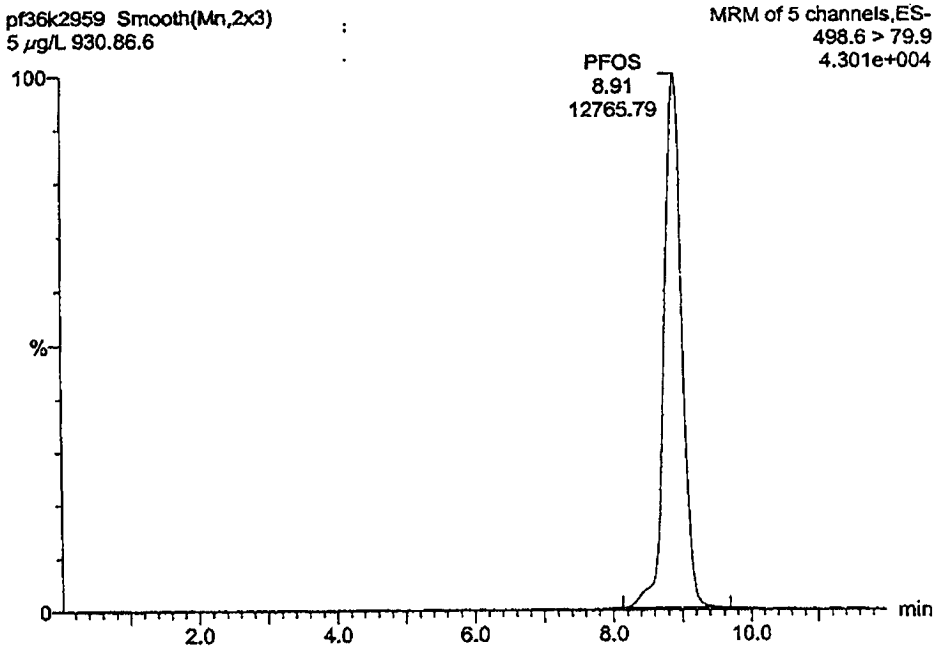
p. 42

Name: pf36k2959, Date: 29-Nov-2006, Time: 19:56:49, ID: 930.86.6, Description: 5 µg/L

PFOA 13C2



PFOS



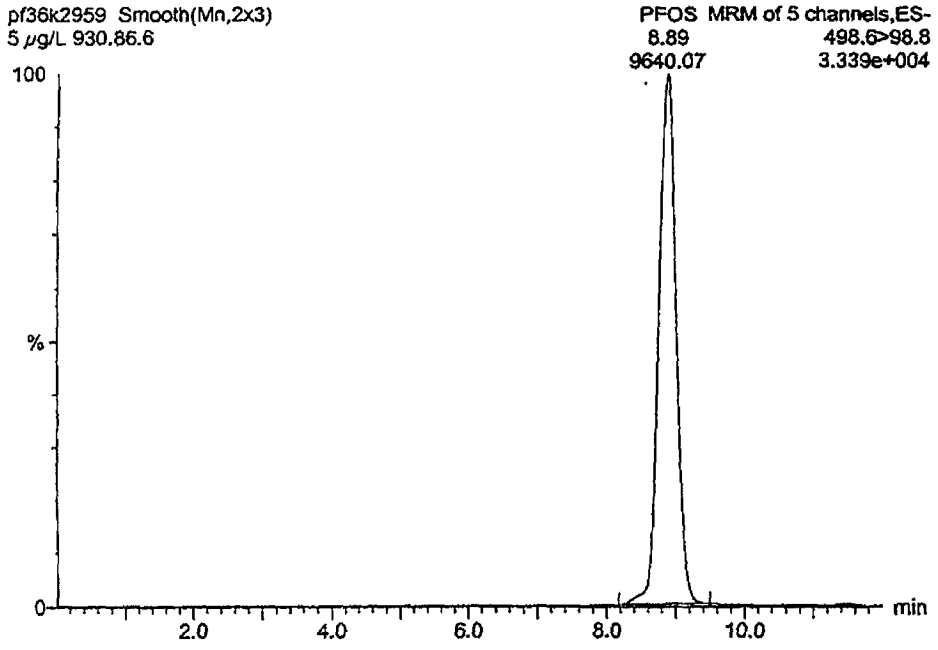
Analyst: Steve Cowling

PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

p. 43

Name: pf36k2959, Date: 29-Nov-2006, Time: 19:56:49, ID: 930.86.6, Description: 5 µg/L

PFOS

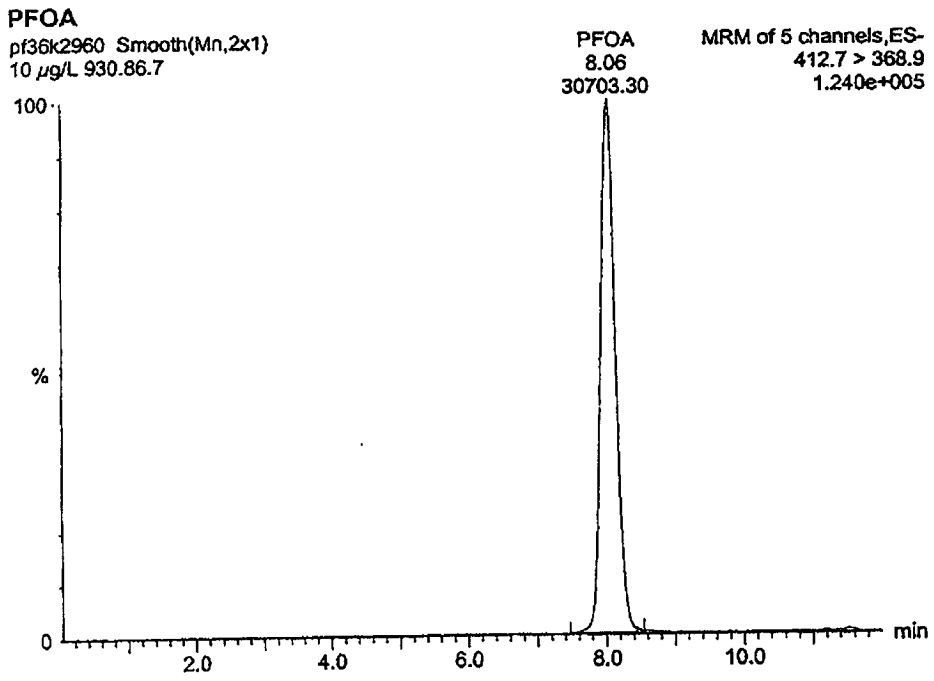


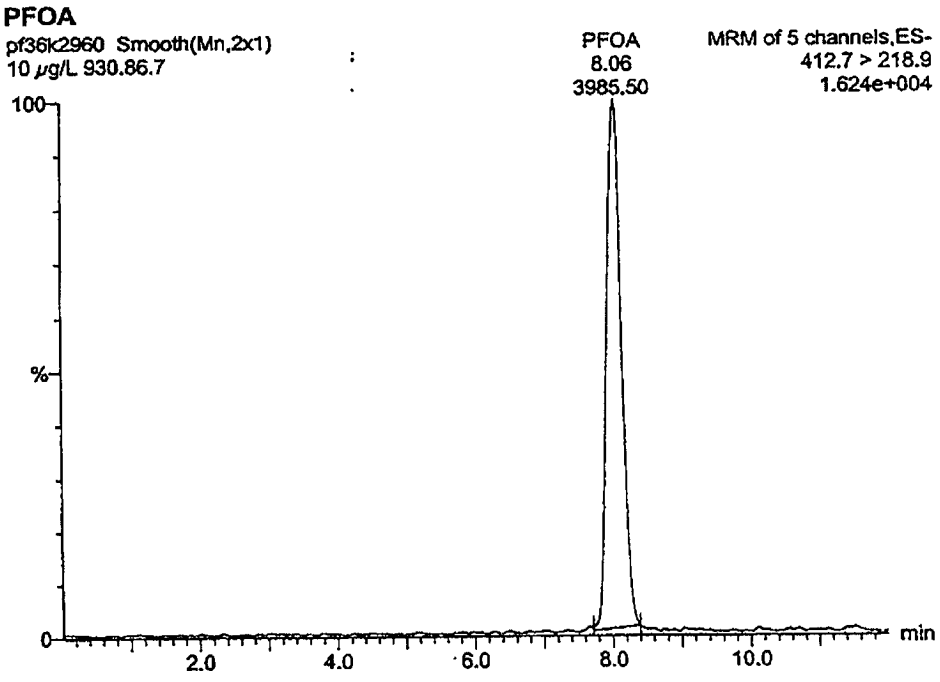
	Name	RT	Area	Flags	IS Area	IS #	Response	Conc	%Rec	Mod Comment	Mod Date	Calibration
1	PFOA	8.06	16036.770	bb	35034.535	3	4.577	4.864	97.3			
2	APFO	8.06	16036.770	bb	35034.535	3	4.577	5.063	97.3			
3	PFOA 13C2	8.06	35034.535	bb		0	35034.535	10.342	103.4			
4	PFOS	8.91	12765.787	bb	35034.535	3	3.644	4.842	96.8			

Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2960, Date: 29-Nov-2006, Time: 20:09:46, ID: 930.86.7, Description: 10 µg/L



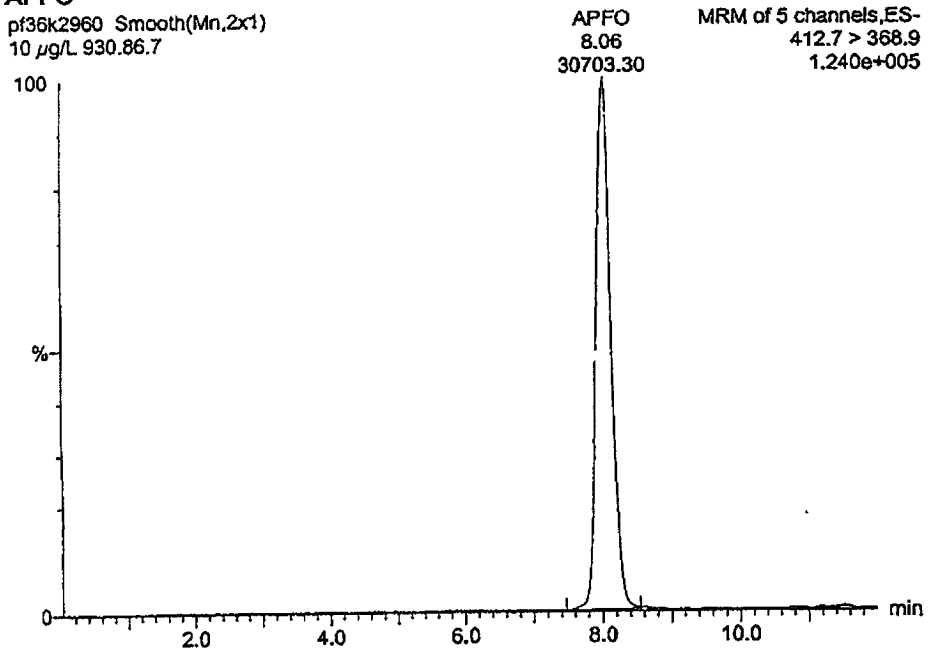


Analyst: Steve Cowling

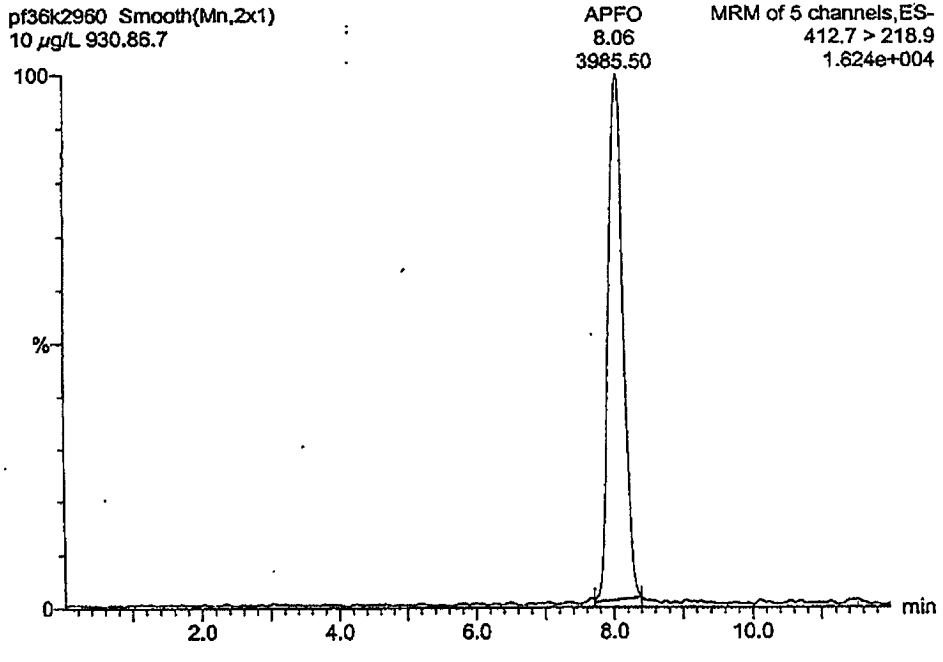
Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2960, Date: 29-Nov-2006, Time: 20:09:46, ID: 930.86.7, Description: 10 µg/L

APFO



APFO

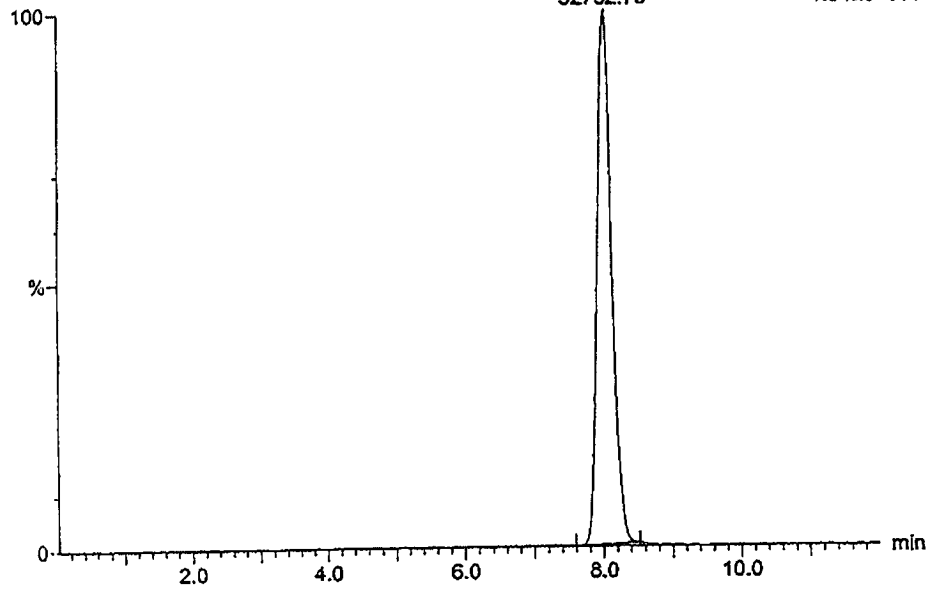


Analyst: Steve Cowling

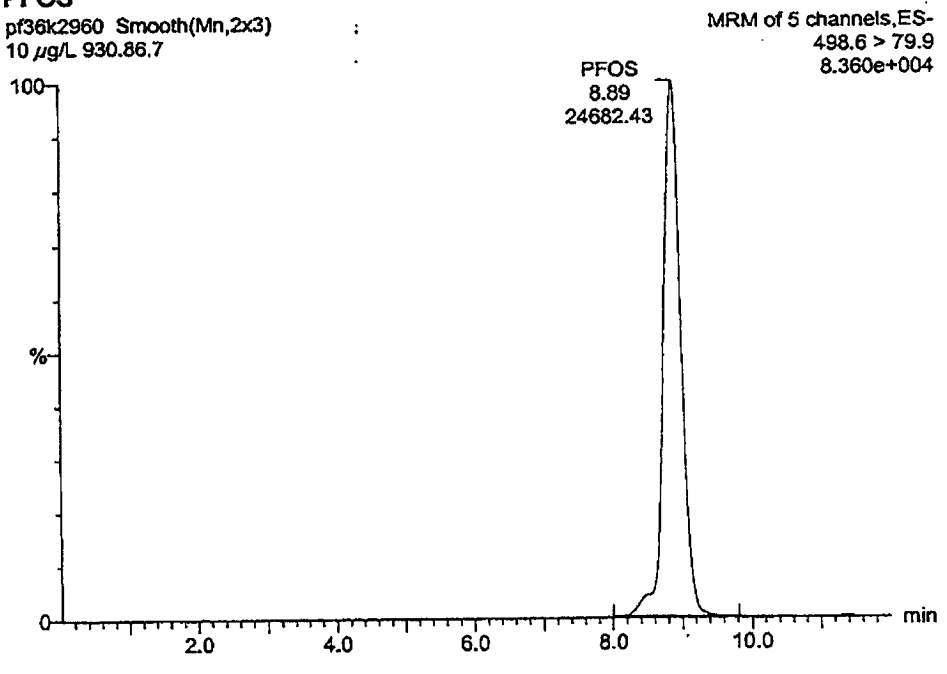
Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2960, Date: 29-Nov-2006, Time: 20:09:46, ID: 930.86.7, Description: 10 µg/L

PFOA 13C2



PFOS

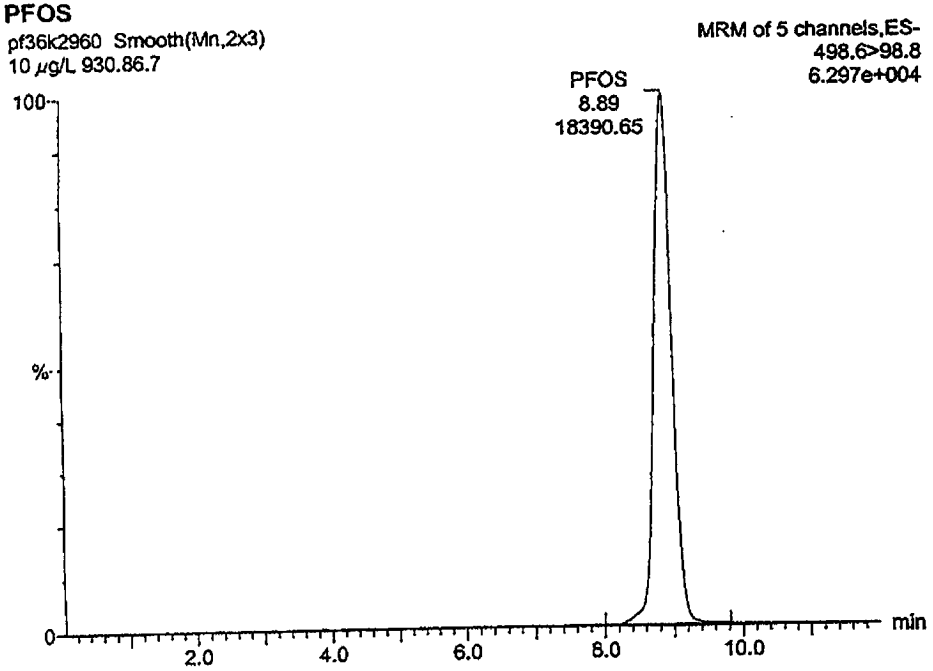


Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2960, Date: 29-Nov-2006, Time: 20:09:46, ID: 930.86.7, Description: 10 µg/L

PFOS



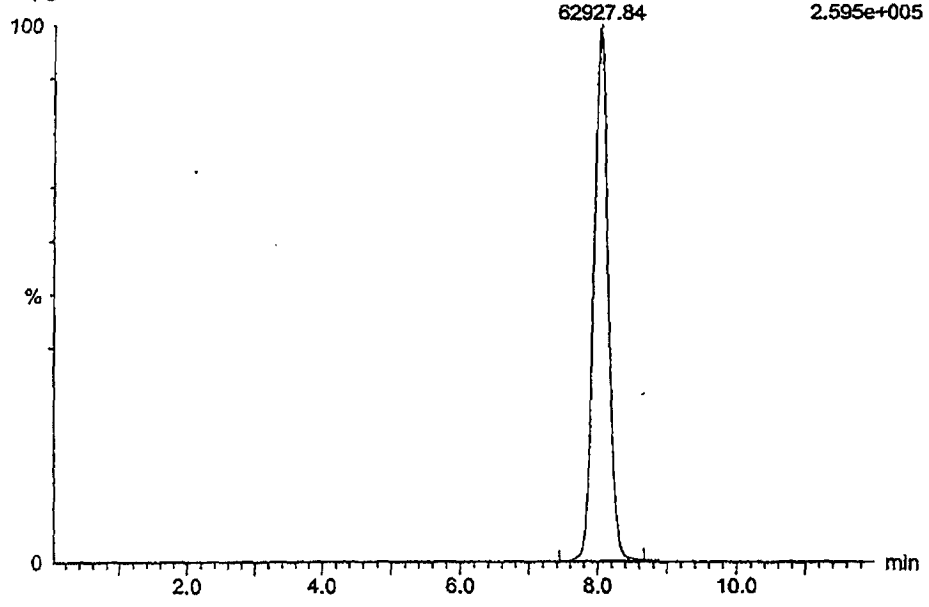
	Name	RT	Area	Flags	IS Area	IS	IS Conc	Conc	%Rec
1	PFOA	8.06	30703.297	bd	32762.703	3	9.371	10.059	100.6
2	APFO	8.06	30703.297	bd	32762.703	3	9.371	10.472	100.6
3	PFOA 13C2	8.06	32762.703	bb		0	32762.703	9.671	96.7
4	PFOS	8.89	24682.434	bb	32762.703	3	7.534	10.053	100.5

Analyst: Steve Cowling

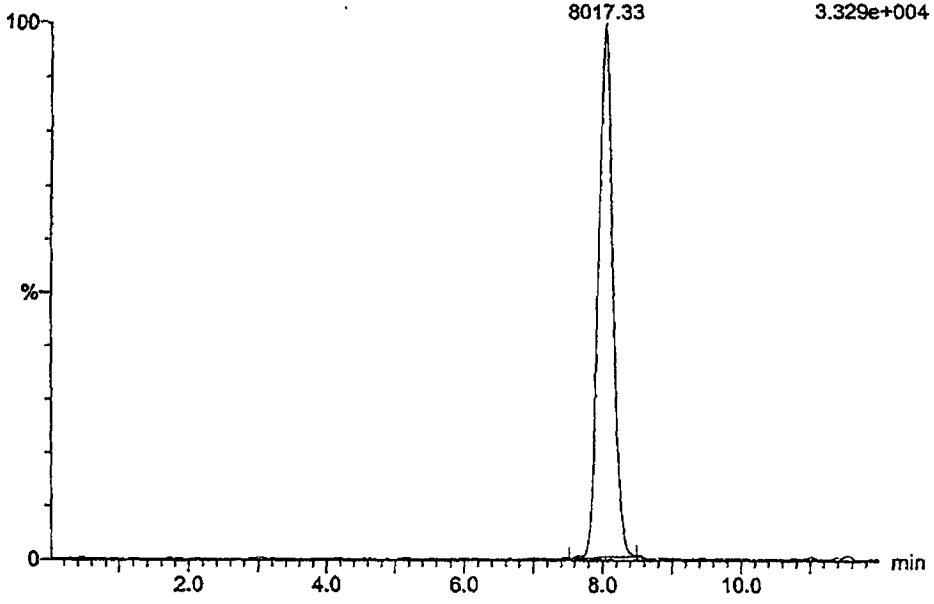
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2961, Date: 29-Nov-2006, Time: 20:22:44, ID: 930.86.8, Description: 20 µg/L

PFOA



PFOA



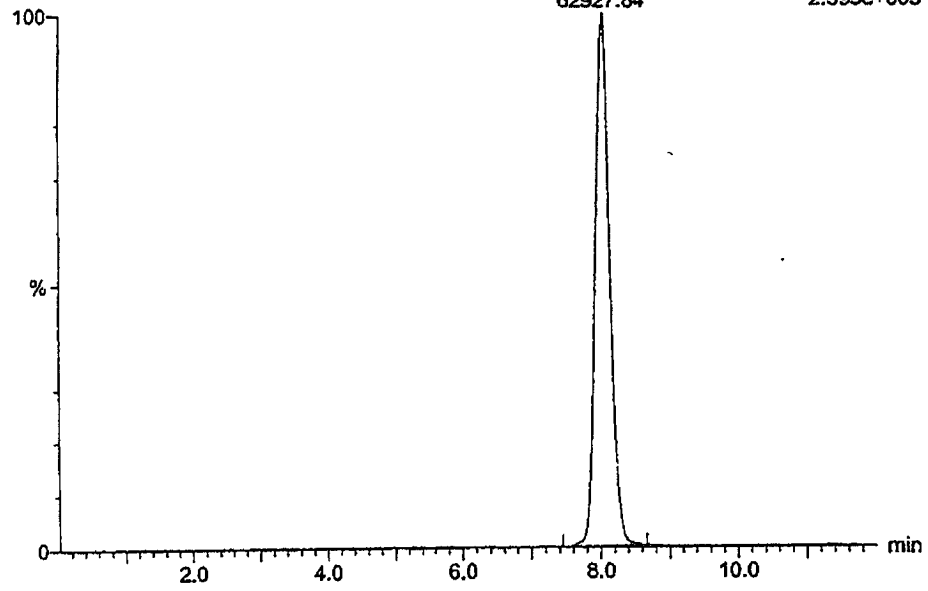
Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**

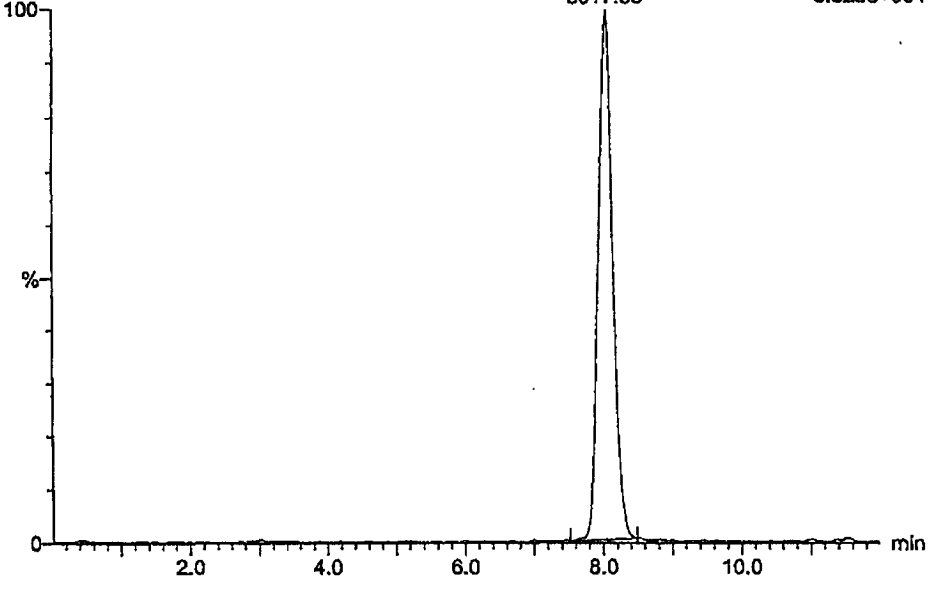
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2961, Date: 29-Nov-2006, Time: 20:22:44, ID: 930.86.8, Description: 20 µg/L

APFO



APFO

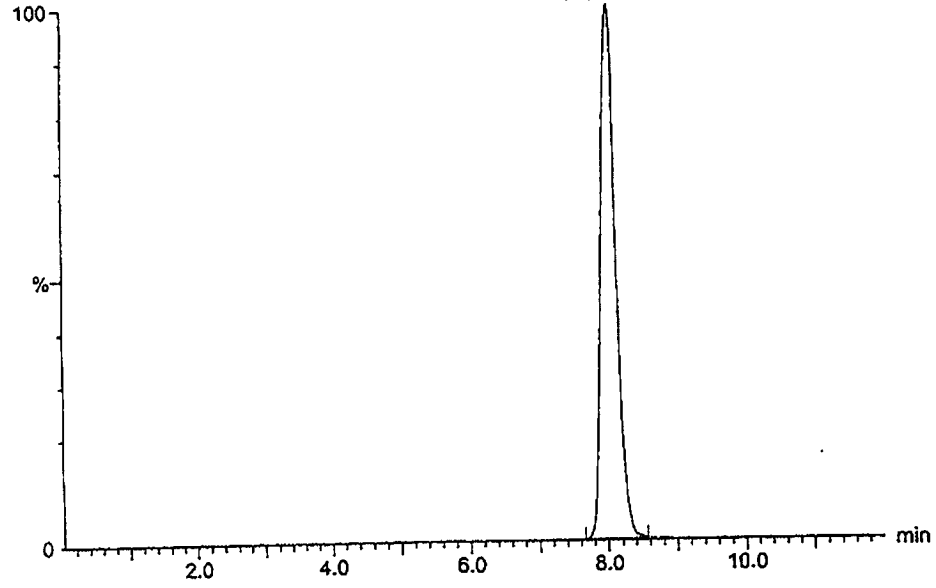


Analyst: Steve Cowling

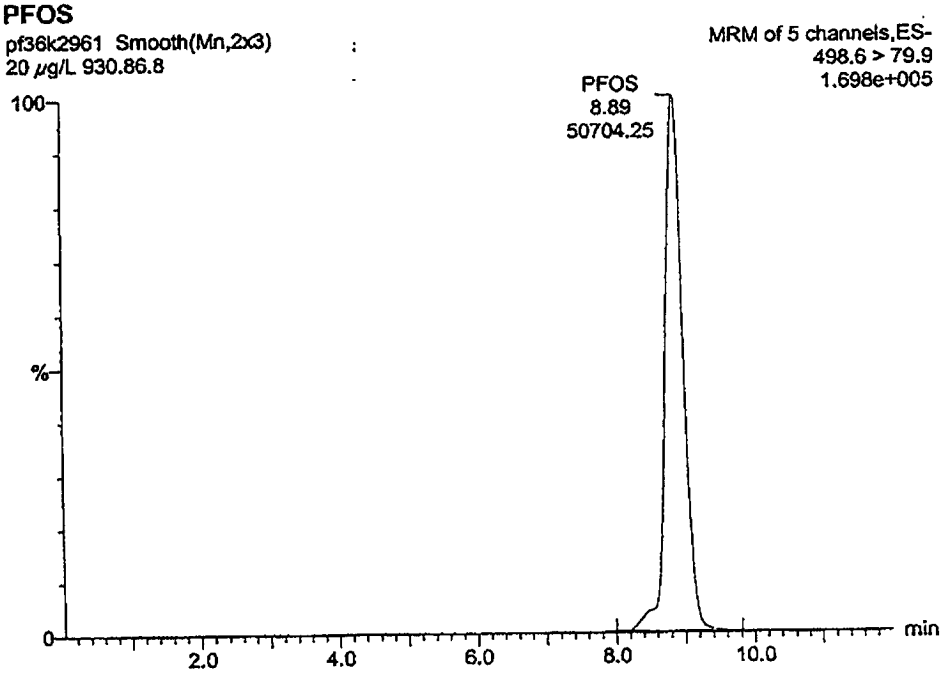
Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2961, Date: 29-Nov-2006, Time: 20:22:44, ID: 930.86.8, Description: 20 µg/L

PFOA 13C2



PFOS

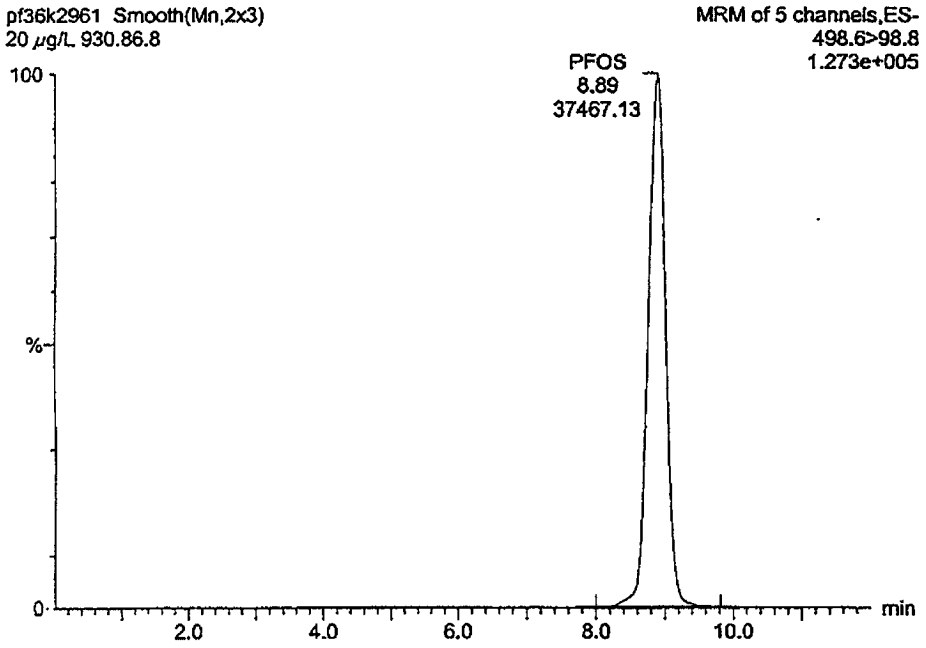


Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qid
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2961, Date: 29-Nov-2006, Time: 20:22:44, ID: 930.86.8, Description: 20 µg/L

PFOS

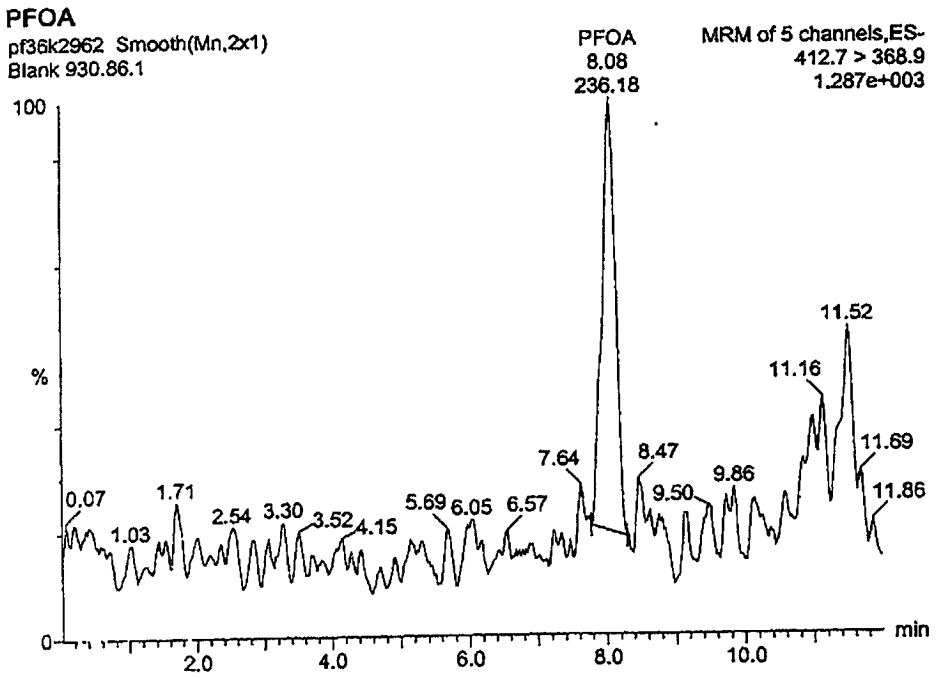


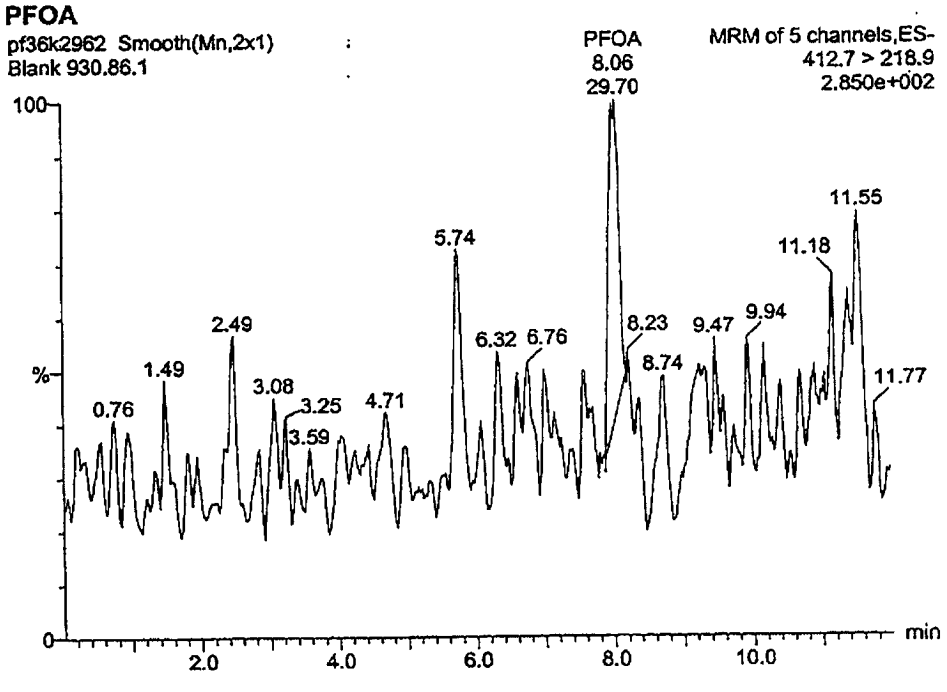
	#	Name	RT	Area	Flgs	IS Area	IS	Response	Conc	Exp Mod Comment	Mod Acct	Cal File
1	1	PFOA	8.06	62927.840	bb	34013.551	3	18.501	19.993			100.0
2	2	APFO	8.06	62927.840	bb	34013.551	3	18.501	20.814			100.0
3	3	PFOA 13C2	8.06	34013.551	bb		0	34013.551	10.040			100.4
4	4	PFOS	8.89	50704.246	bb	34013.551	3	14.907	20.002			100.0

Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2962, Date: 29-Nov-2006, Time: 20:35:43, ID: 930.86.1, Description: Blank



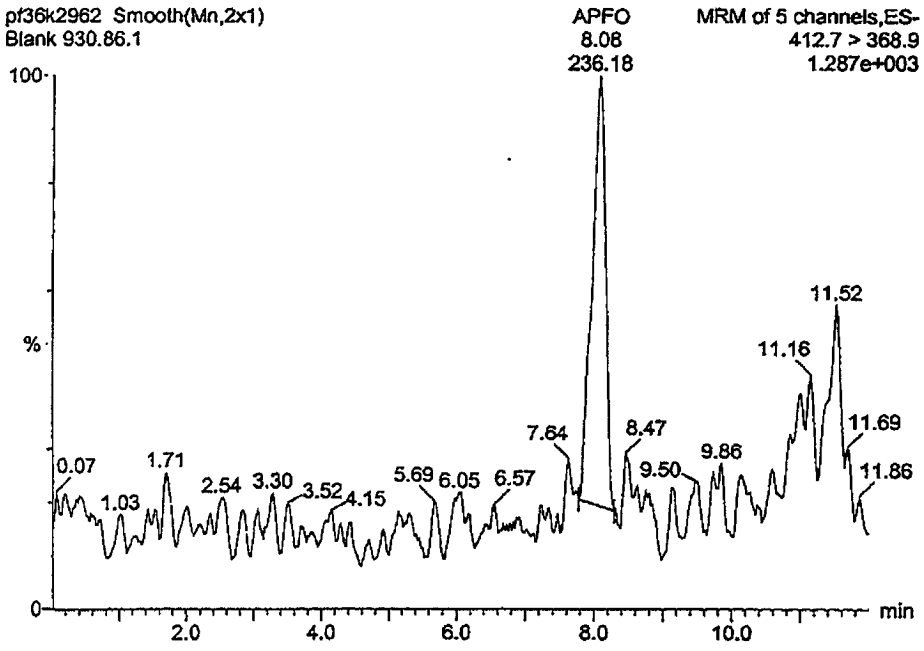


Analyst: Steve Cowling

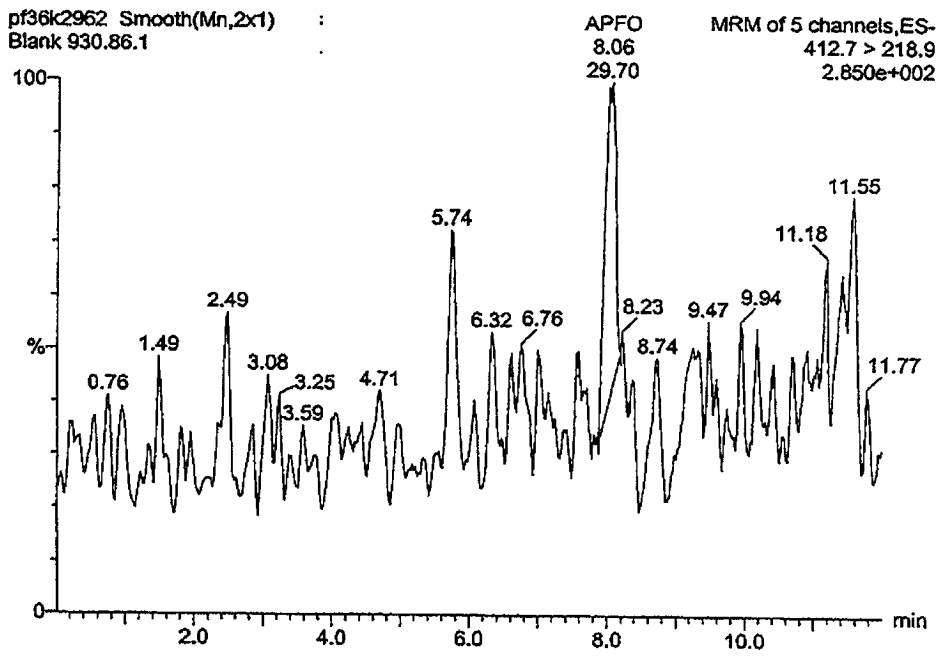
Quantify Sample Report **MassLynx 4.**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2962, Date: 29-Nov-2006, Time: 20:35:43, ID: 930.86.1, Description: Blank

APFO



APFO

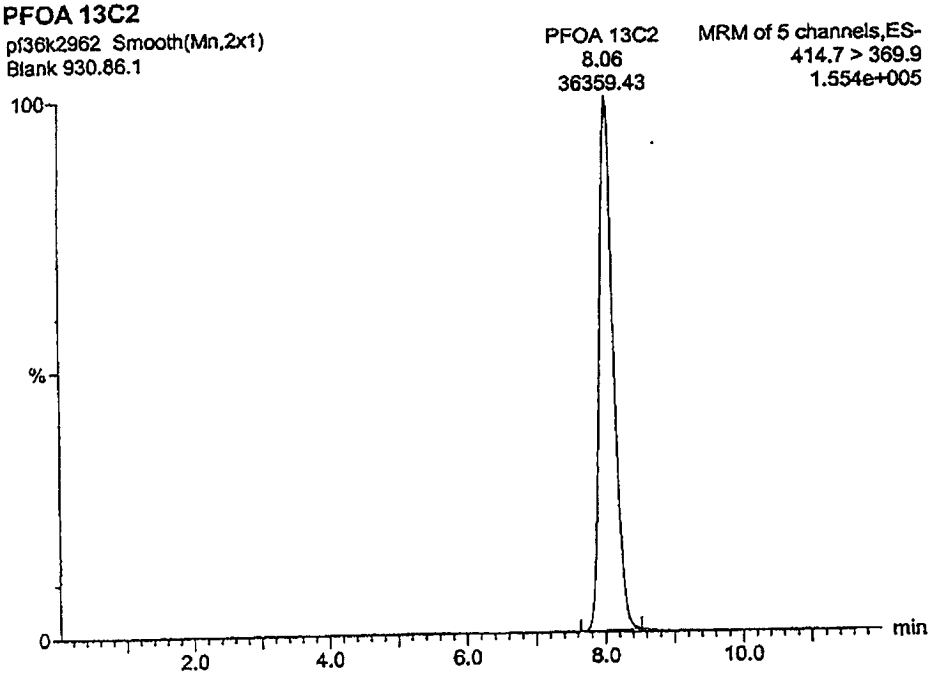


Analyst: Steve Cowling

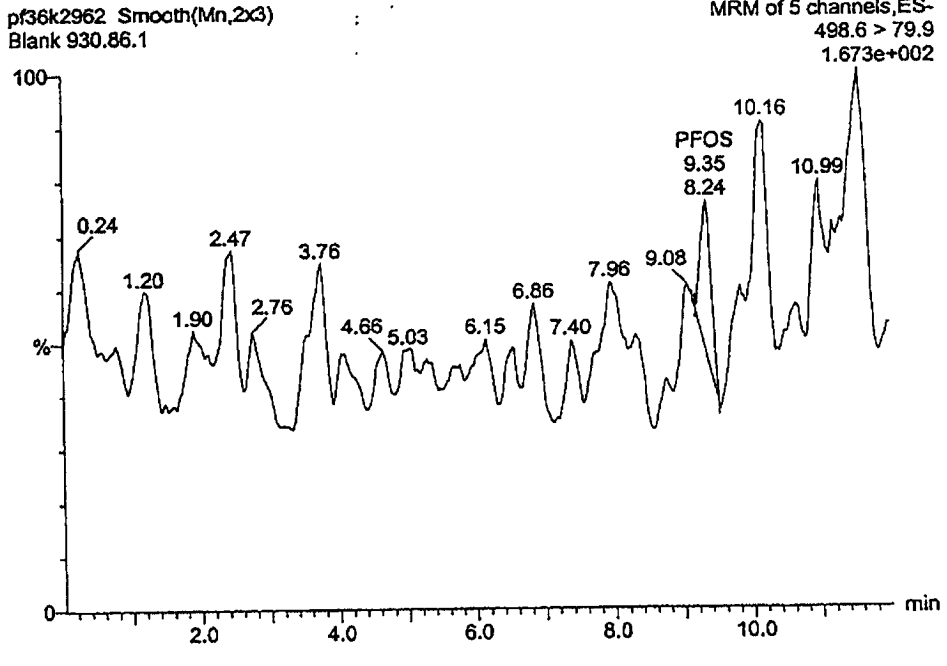
Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qid
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2962, Date: 29-Nov-2006, Time: 20:35:43, ID: 930.86.1, Description: Blank

PFOA 13C2



PFOS

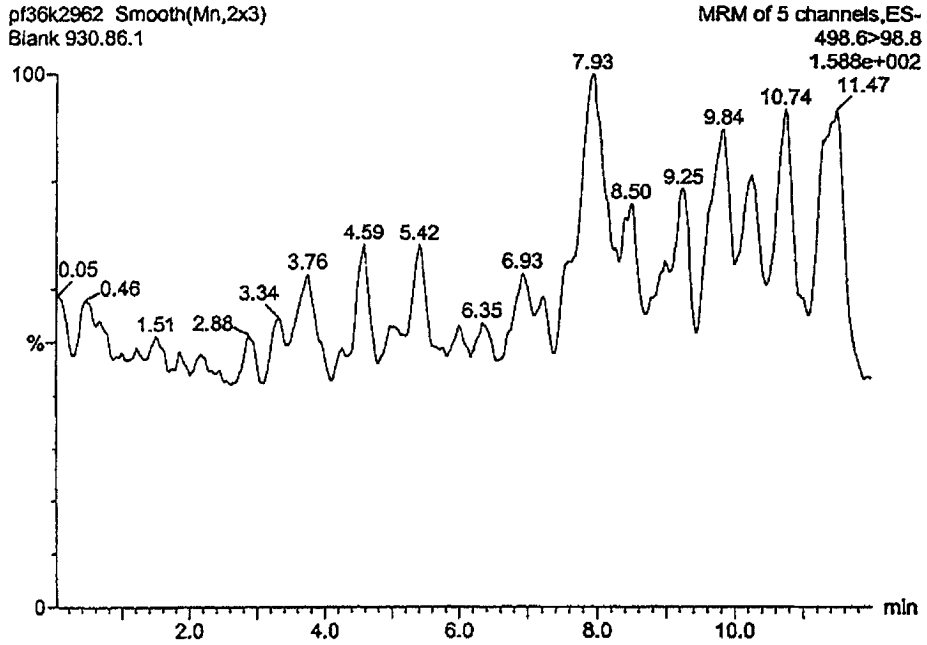


Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2962, Date: 29-Nov-2006, Time: 20:35:43, ID: 930.86.1, Description: Blank

PFOS

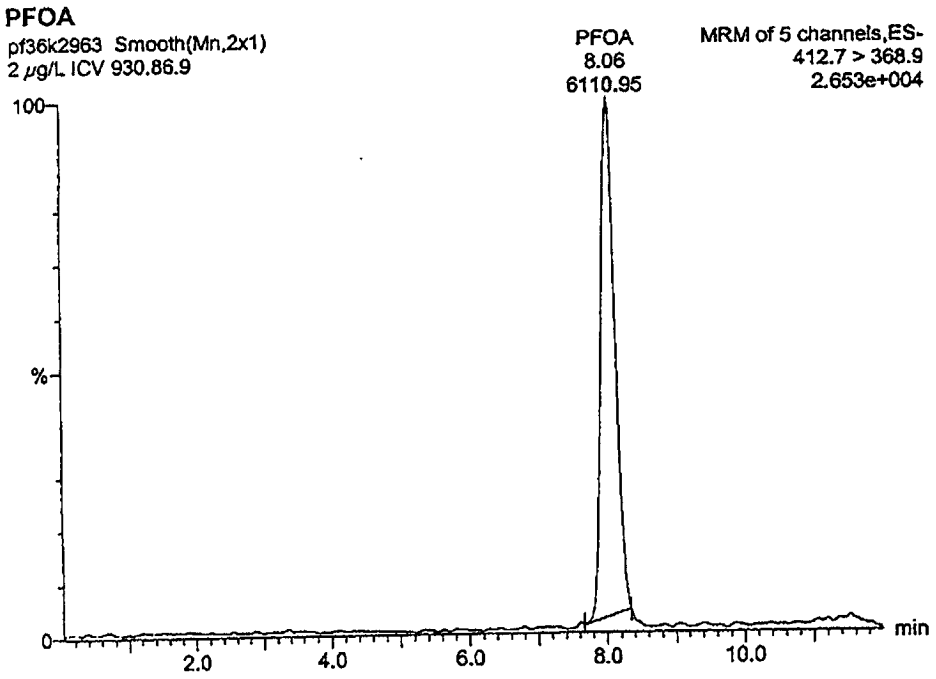


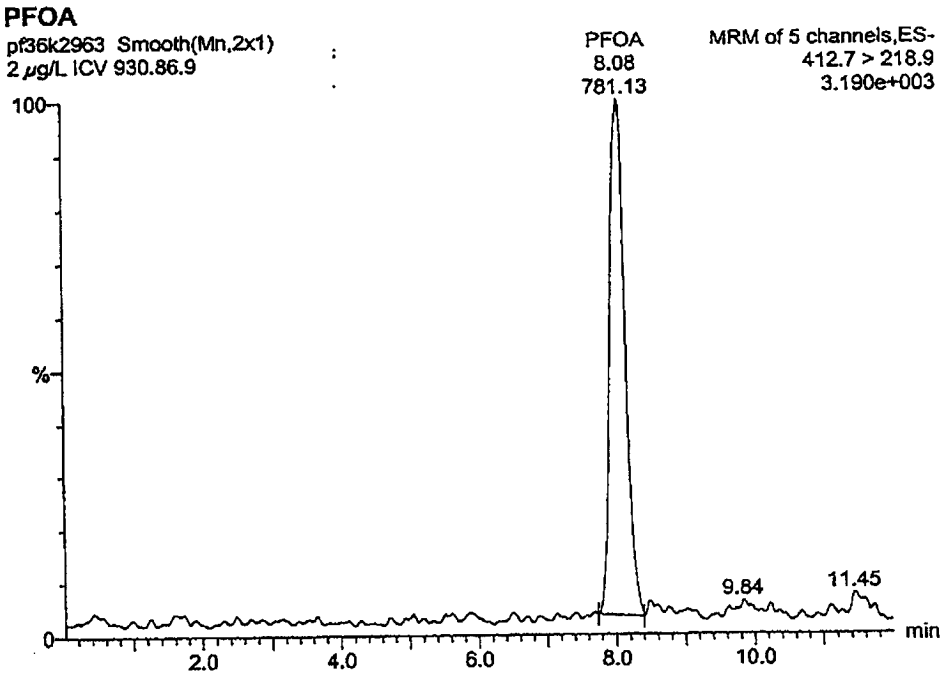
	#	Name	RT	Area	Flags	Cal	Cal	Response	Conc	%Rec	Mod Comment	Mod Date	Qual File
1	1	PFOA	8.08	236.178	bbl	36359.434	3	0.065					
2	2	APFO	8.08	236.178	bbl	36359.434	3	0.065					
3	3	PFOA 13C2	8.06	36359.434	bb		0	36359.434	10.733	107.3			
4	4	PFOS	9.35	8.244	bbl	36359.434	3	0.002					

Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2963, Date: 29-Nov-2006, Time: 20:48:37, ID: 930.86.9, Description: 2 µg/L ICV



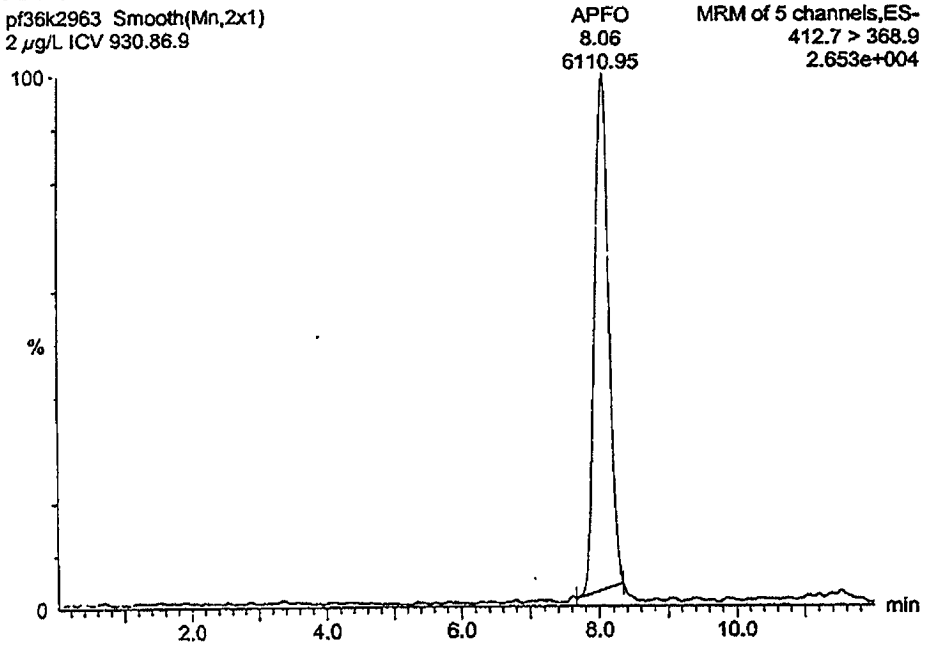


Analyst: Steve Cowling

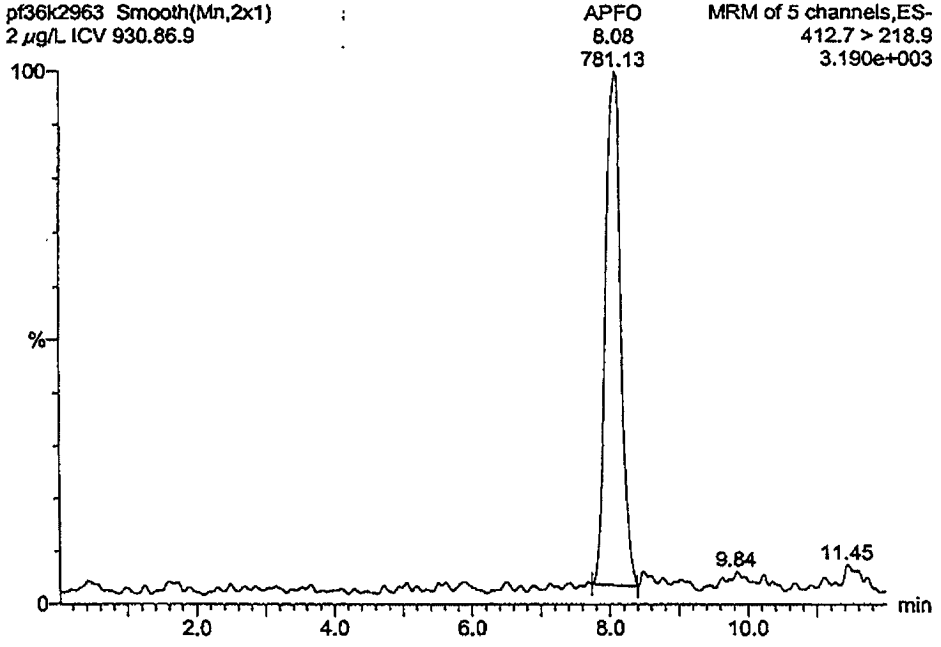
Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2963, Date: 29-Nov-2006, Time: 20:48:37, ID: 930.86.9, Description: 2 µg/L ICV

APFO



APFO

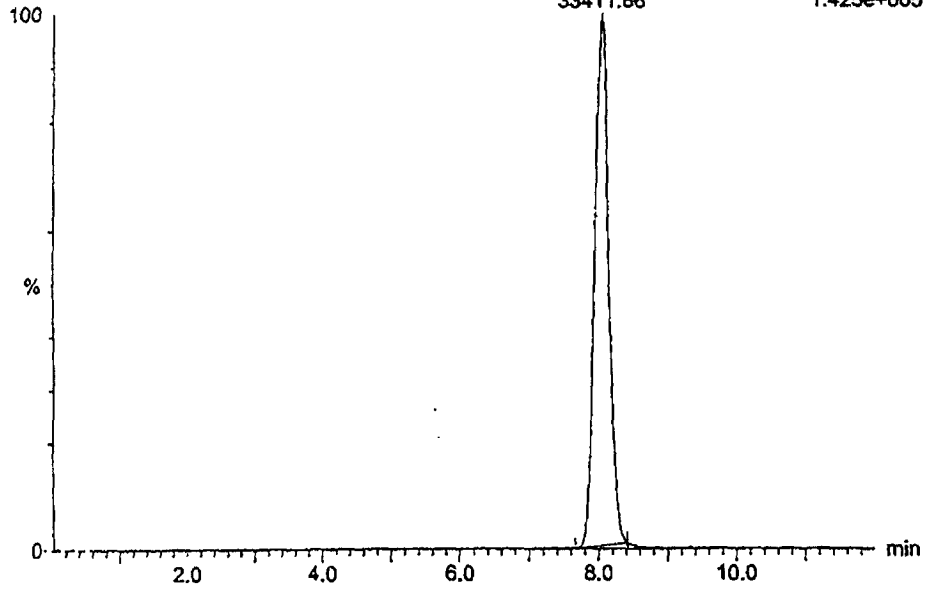


Analyst: Steve Cowling

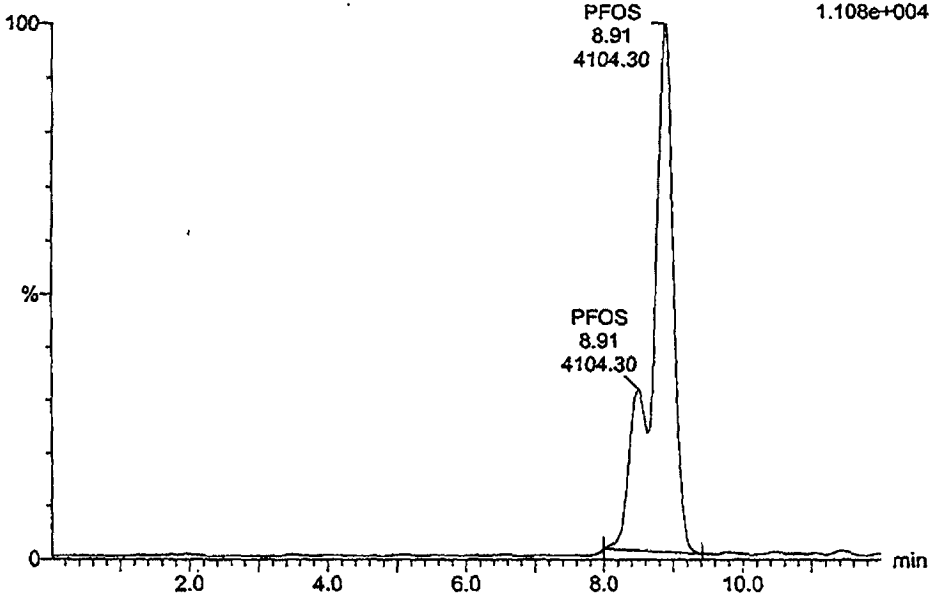
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2963, Date: 29-Nov-2006, Time: 20:48:37, ID: 930.86.9, Description: 2 µg/L ICV

PFOA 13C2



PFOS

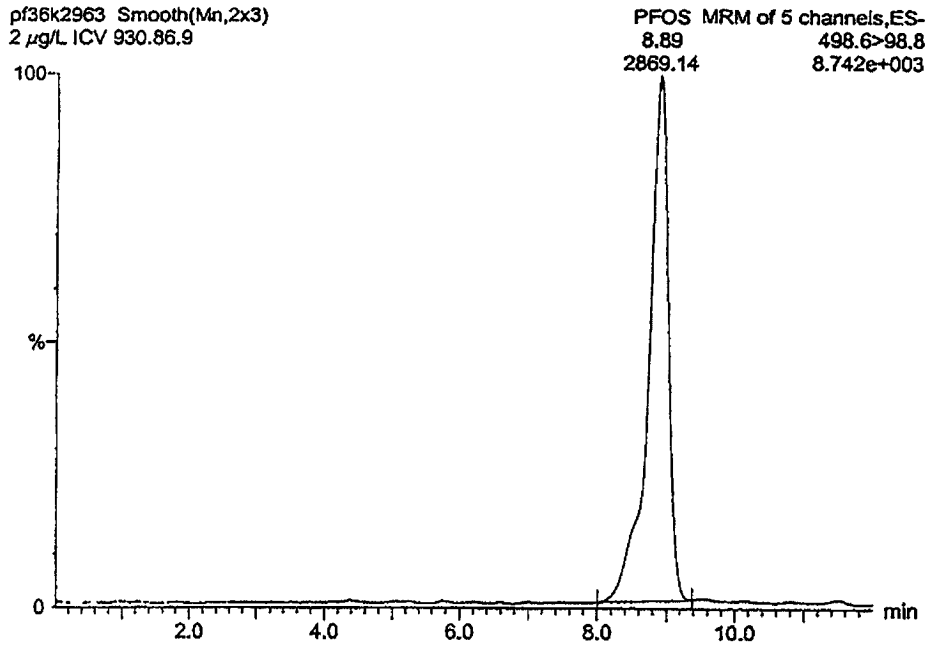


Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qrt
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2963, Date: 29-Nov-2006, Time: 20:48:37, ID: 930.86.9, Description: 2 µg/L ICV

PFOS



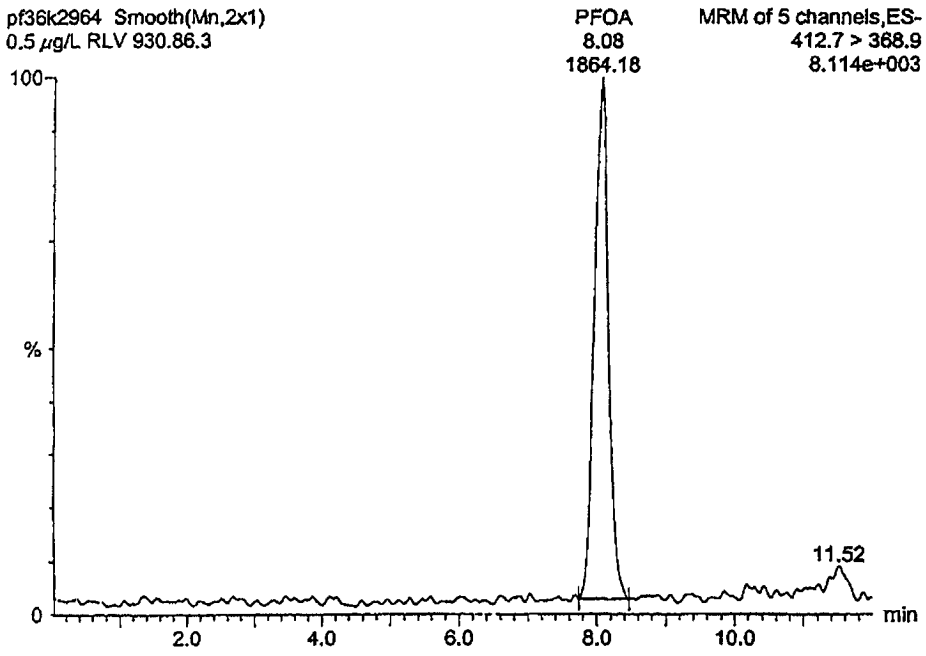
	Name	RT	Area	Flags	MS Area	IS#	Response	Conc	Rep Mod Comment Mod Date	Rel Rec
1	PFOA	8.06	6110.953	db	33411.656	3	1.829	1.892		94.6
2	APFO	8.06	6110.953	db	33411.656	3	1.829	1.969		94.6
3	PFOA 13C2	8.06	33411.656	bb		0	33411.656	9.863		98.6
4	PFOS	8.91	4104.304	bb	33411.656	3	1.228	1.618		80.9

Analyst: Steve Cowling

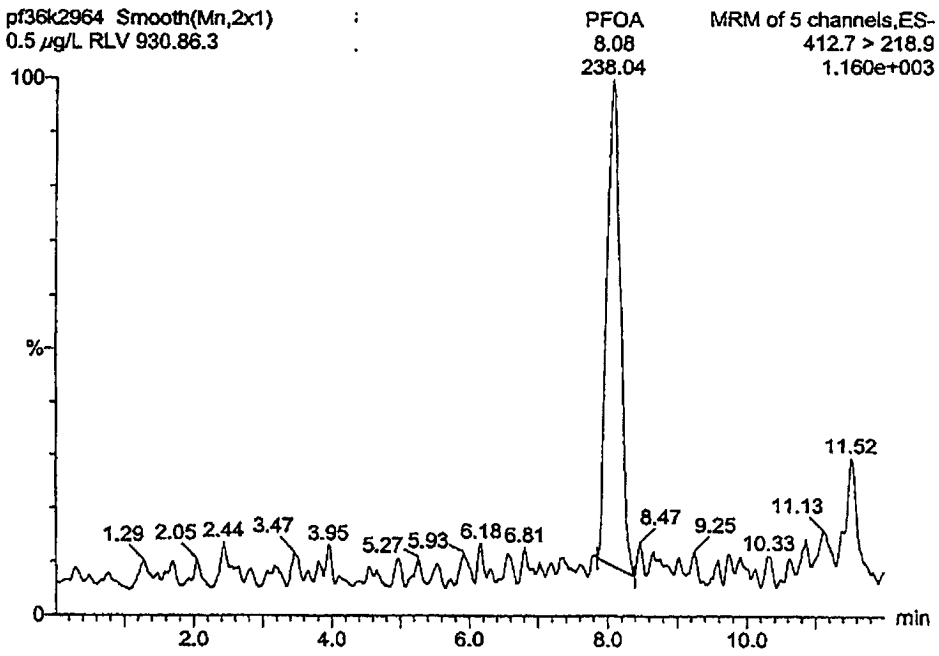
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2964, Date: 29-Nov-2006, Time: 21:01:35, ID: 930.86.3, Description: 0.5 µg/L RLV

PFOA



PFOA



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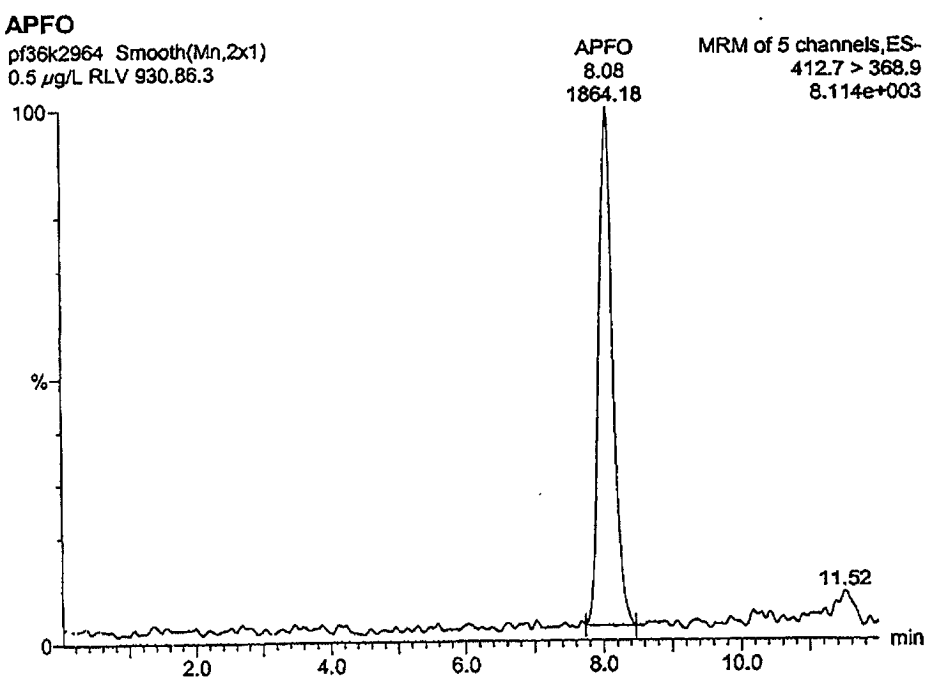
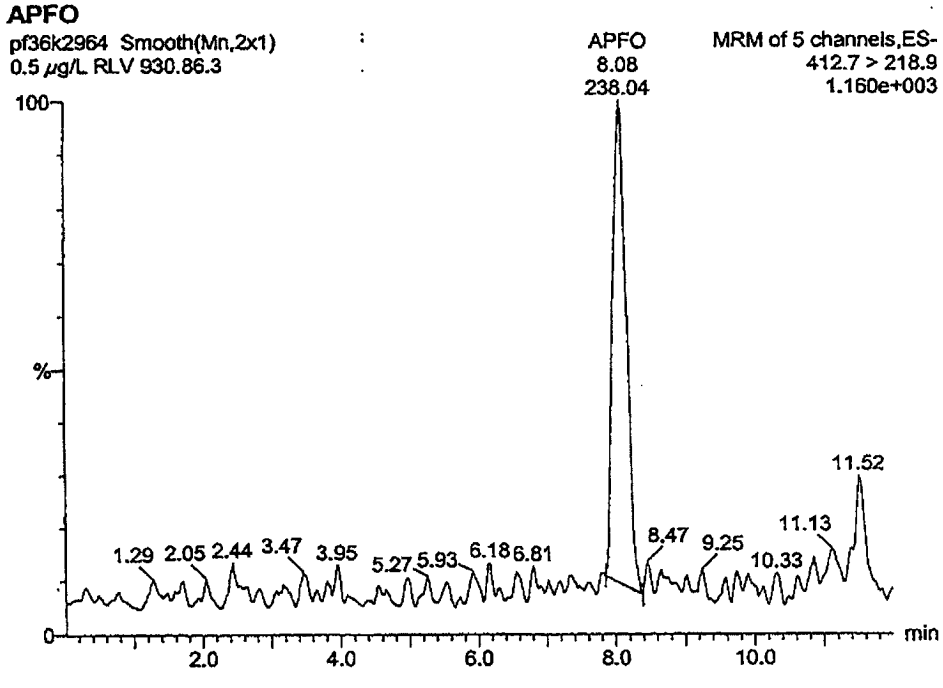
Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2964, Date: 29-Nov-2006, Time: 21:01:35, ID: 930.86.3, Description: 0.5 µg/L RLV



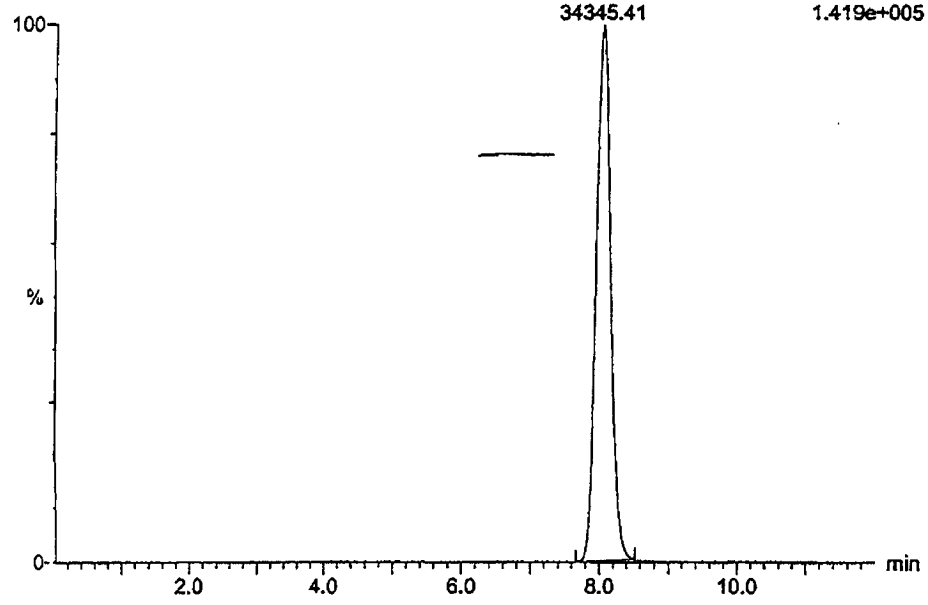


Analyst: Steve Cowling

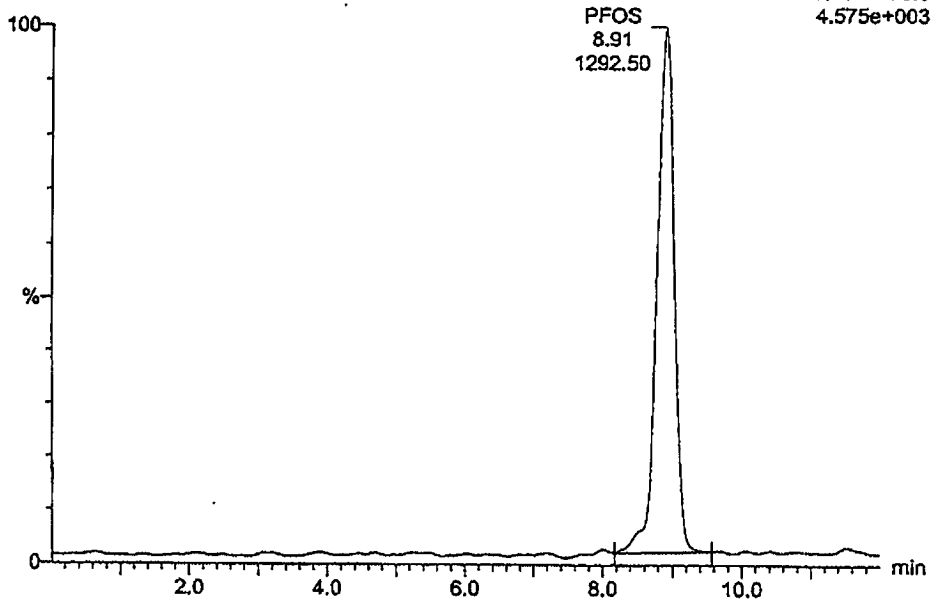
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2964, Date: 29-Nov-2006, Time: 21:01:35, ID: 930.86.3, Description: 0.5 µg/L RLV

PFOA 13C2



PFOS

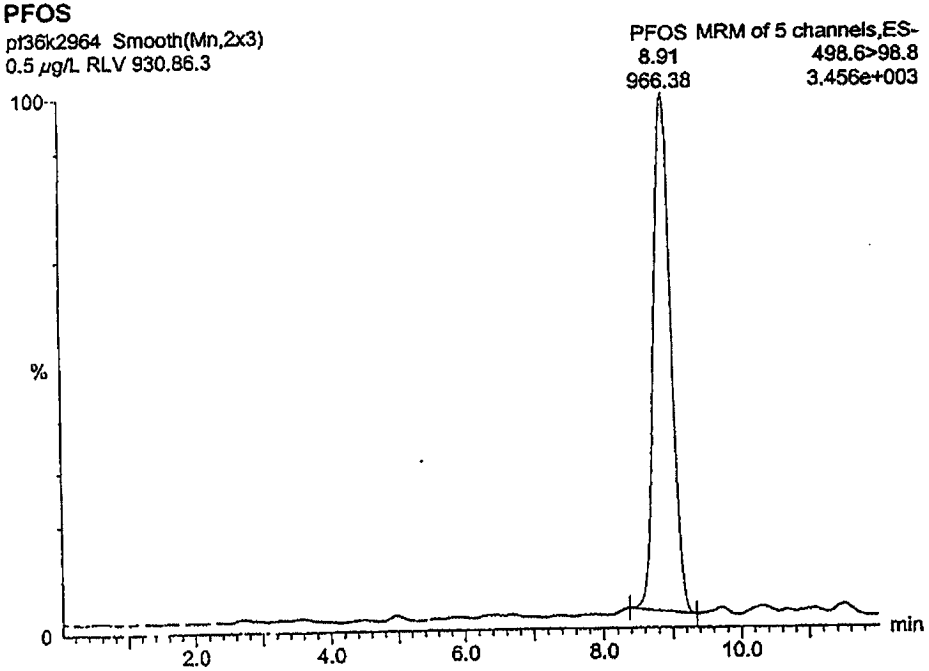


Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2964, Date: 29-Nov-2006, Time: 21:01:35, ID: 930.86.3, Description: 0.5 µg/L RLV

PFOS



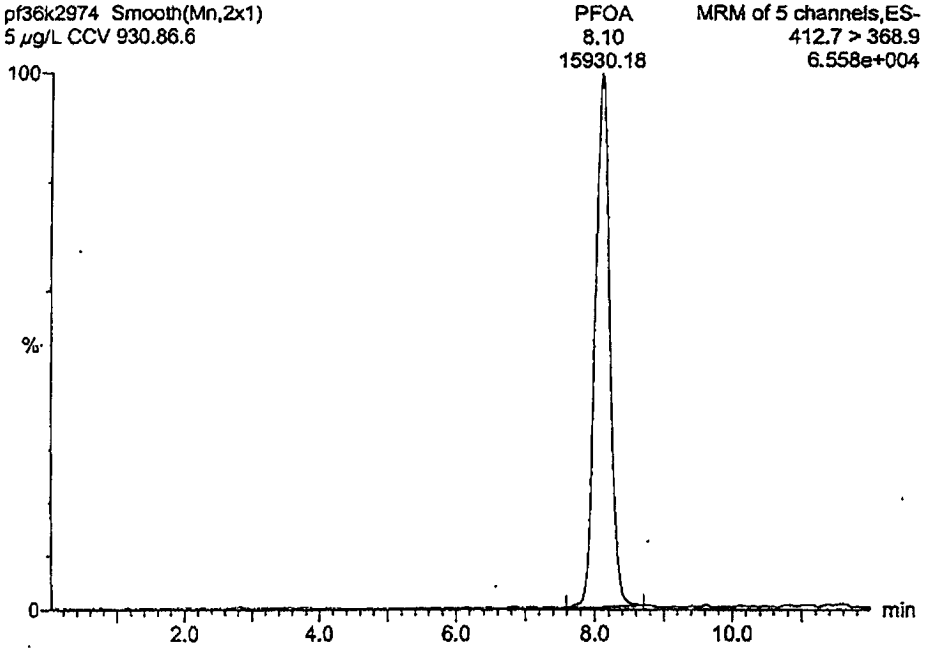
#	Name	RT	Area	Flags	IS Area	IS	Response	Conc	%Rec	Mod Solvent	Mod Date	Cal File
1	PFOA	8.08	1864.180	bb	34345.410	3	0.543	0.502	100.5			
2	APFO	8.08	1864.180	bb	34345.410	3	0.543	0.523	100.5			
3	PFOA 13C2	8.06	34345.410	bb		0	34345.410	10.138	101.4			
4	PFOS	8.91	1292.502	bb	34345.410	3	0.376	0.484	96.7			

Analyst: Steve Cowling

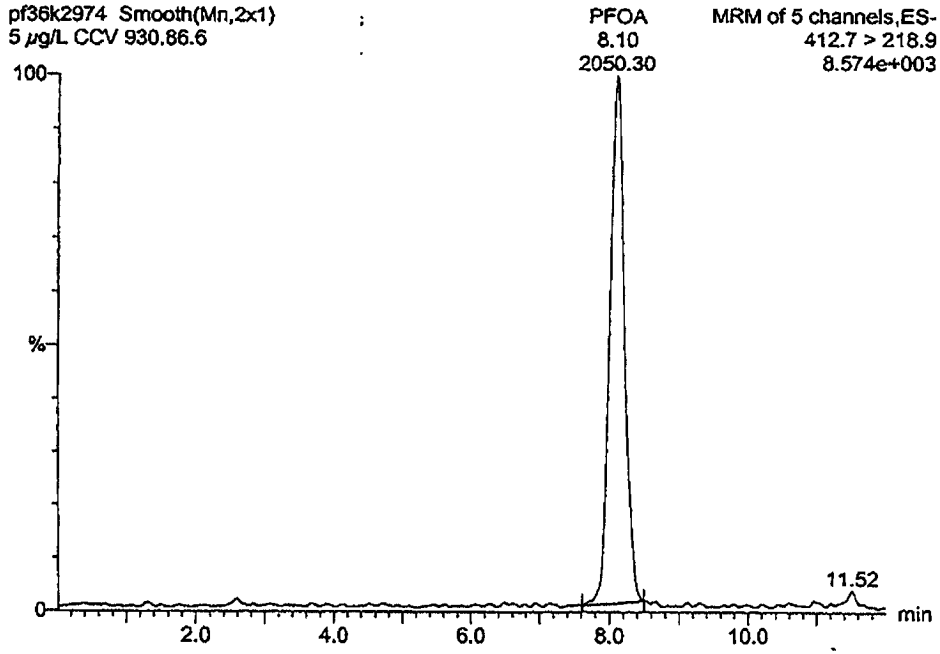
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2974, Date: 29-Nov-2006, Time: 23:11:05, ID: 930.86.6, Description: 5 µg/L CCV

PFOA



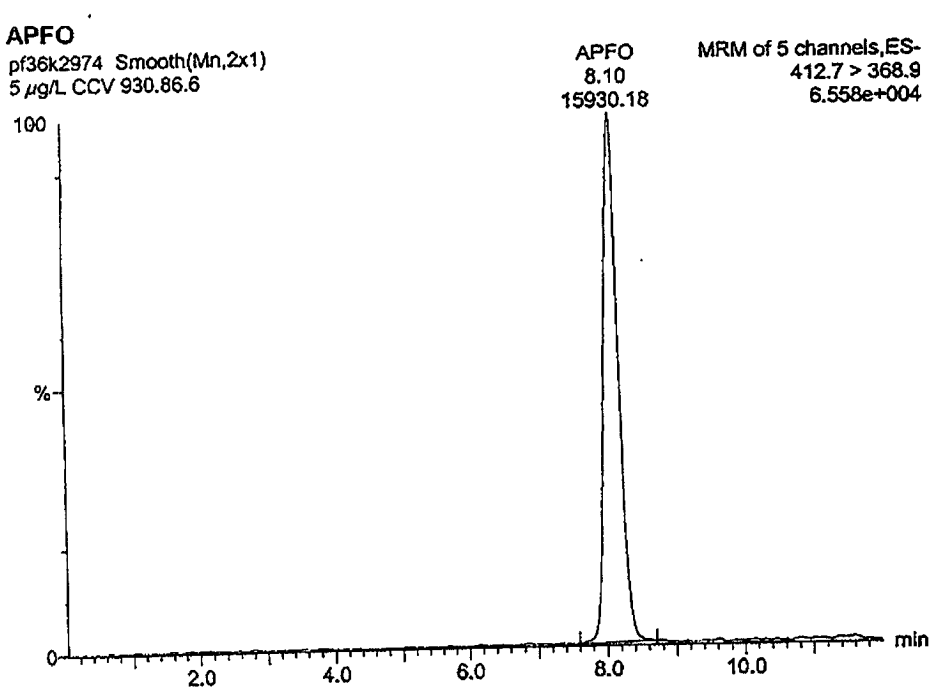
PFOA

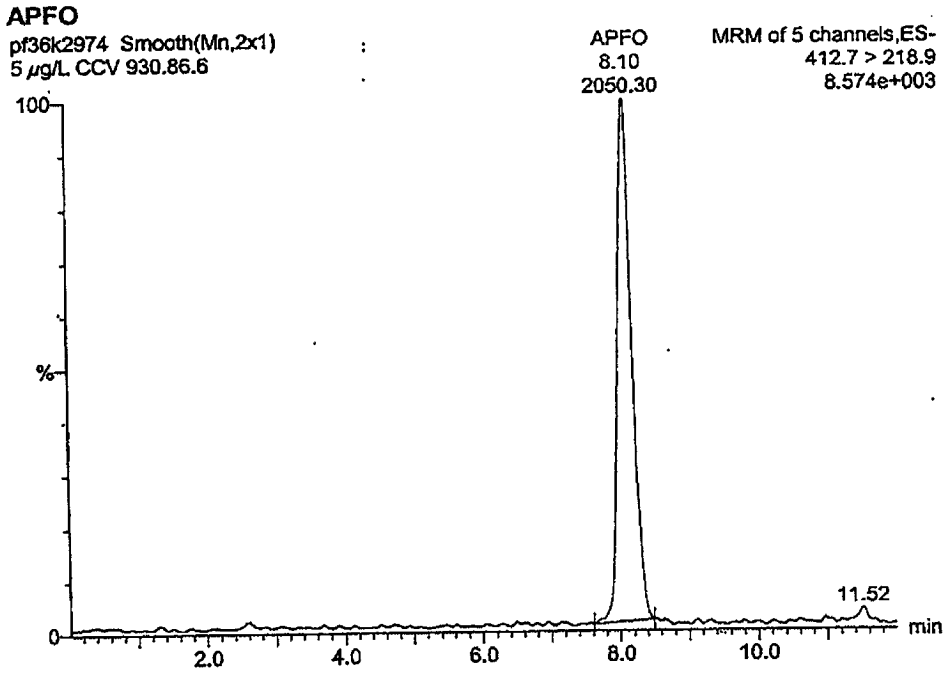


Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2974, Date: 29-Nov-2006, Time: 23:11:05, ID: 930.86.6, Description: 5 µg/L CCV



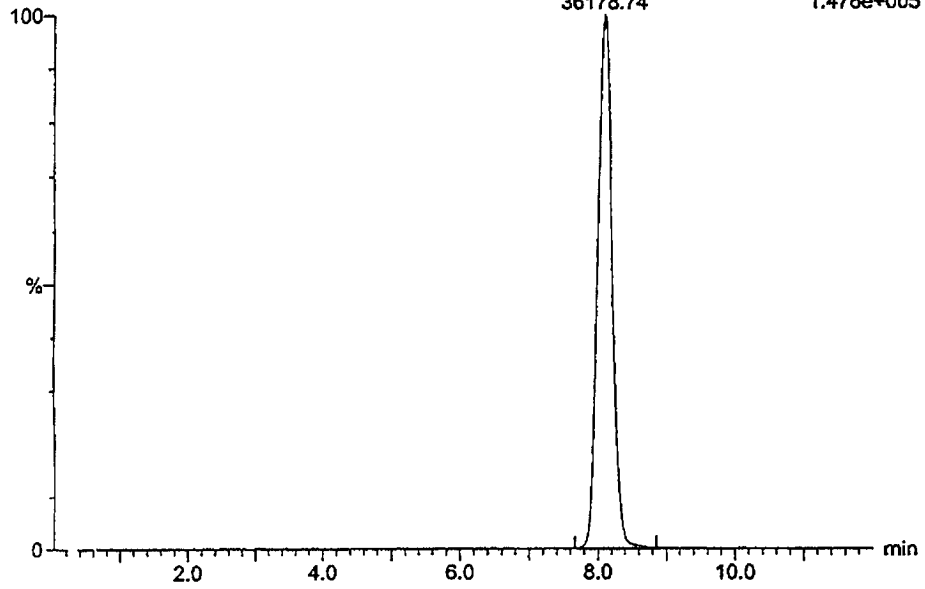


Analyst: Steve Cowling

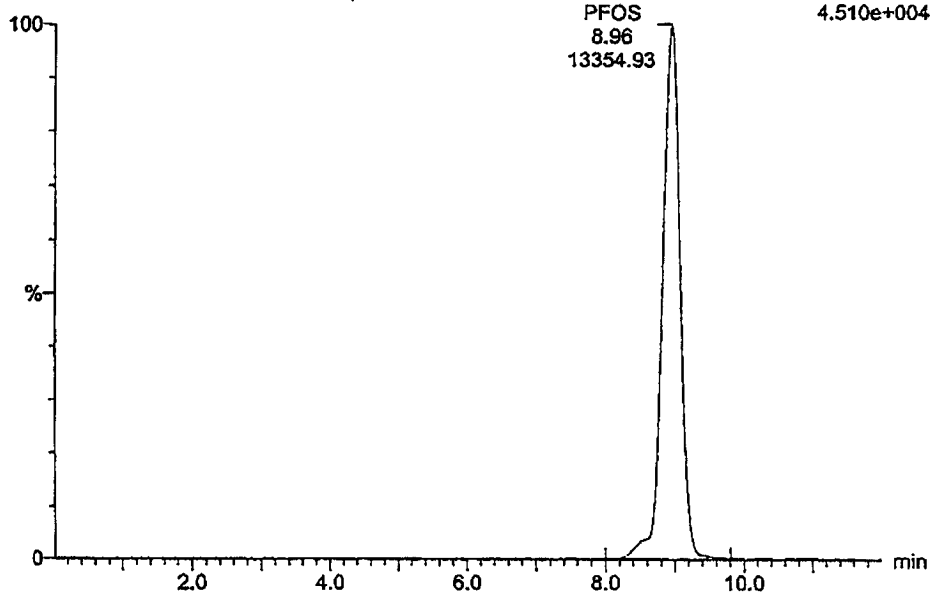
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2974, Date: 29-Nov-2006, Time: 23:11:05, ID: 930.86.6, Description: 5 µg/L CCV

PFOA 13C2



PFOS



Analyst: Steve Cowling

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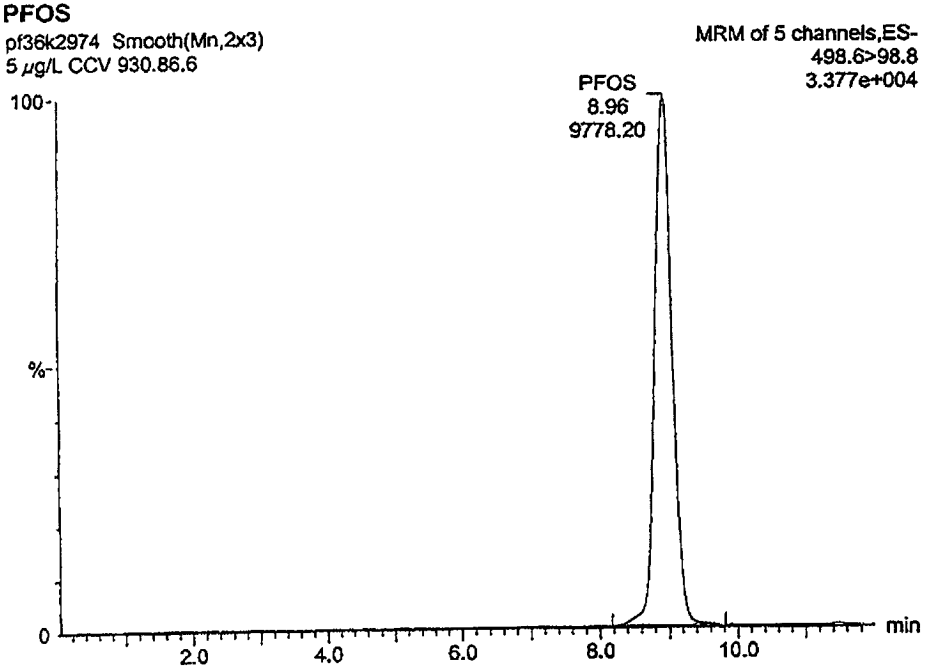
Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qlo
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2974, Date: 29-Nov-2006, Time: 23:11:05, ID: 930.86.6, Description: 5 µg/L CCV

PFOS



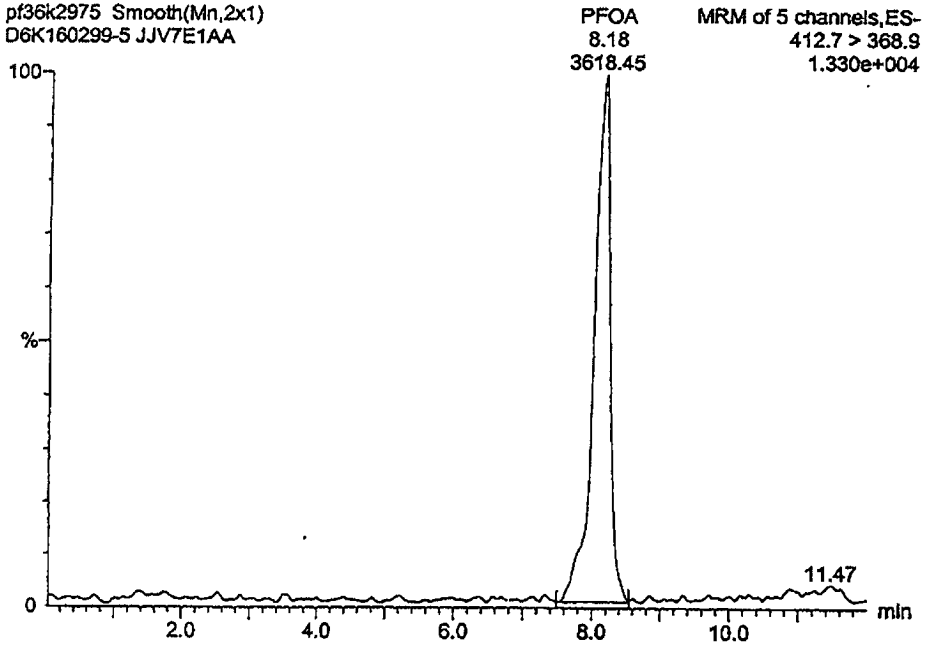
	#	Name	RT	Area	Flags	Std Area	IS	Respons	Conc	%Rec	Mod	Comment	Modified	Cal File
1	1	PFOA	8.10	15930.181	bb	36178.738	3	4.403	4.675	93.5				
2	2	APFO	8.10	15930.181	bb	36178.738	3	4.403	4.867	93.5				
3	3	PFOA 13C2	8.10	36178.738	bb		0	36178.738	10.679	106.8				
4	4	PFOS	8.96	13354.931	bb	36178.738	3	3.691	4.906	98.1				

Analyst: Steve Cowling

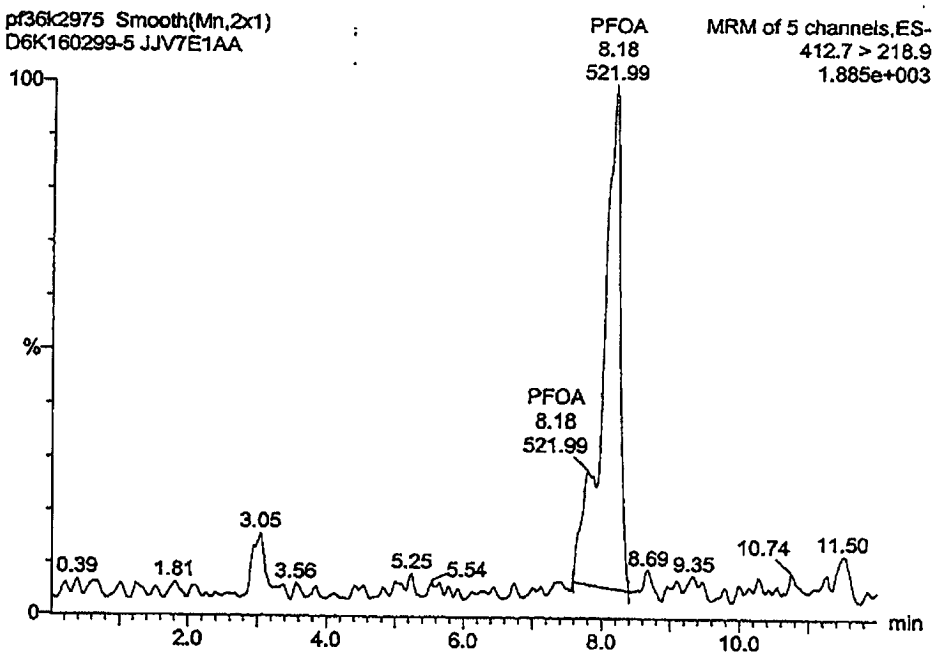
Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2975, Date: 29-Nov-2006, Time: 23:24:02, ID: JJV7E1AA, Description: D6K160299-5

PFOA



PFOA



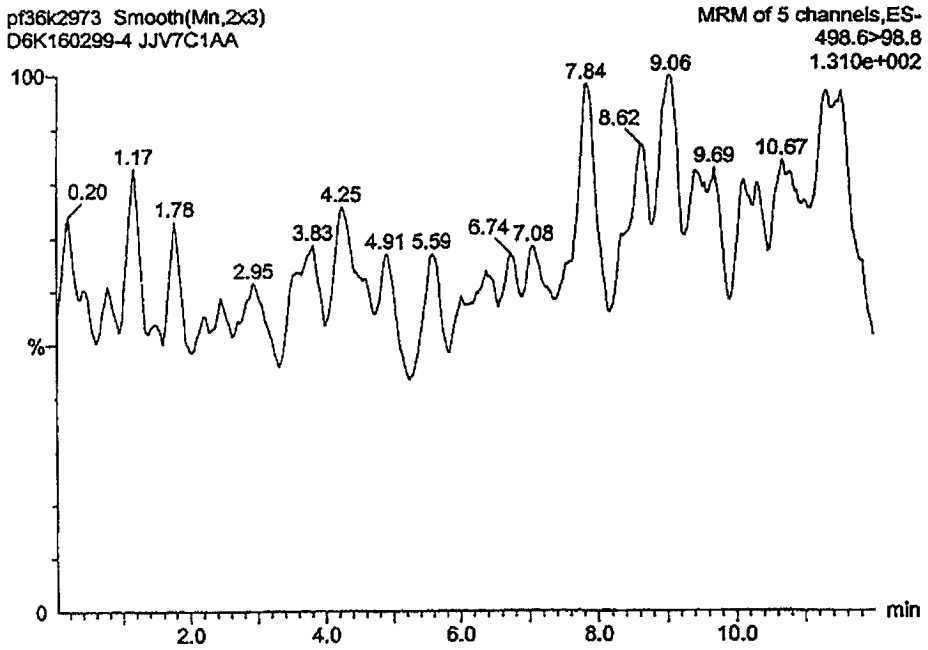
Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**

PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2973, Date: 29-Nov-2006, Time: 22:58:09, ID: JJV7C1AA, Description: D6K160299-4

PFOS



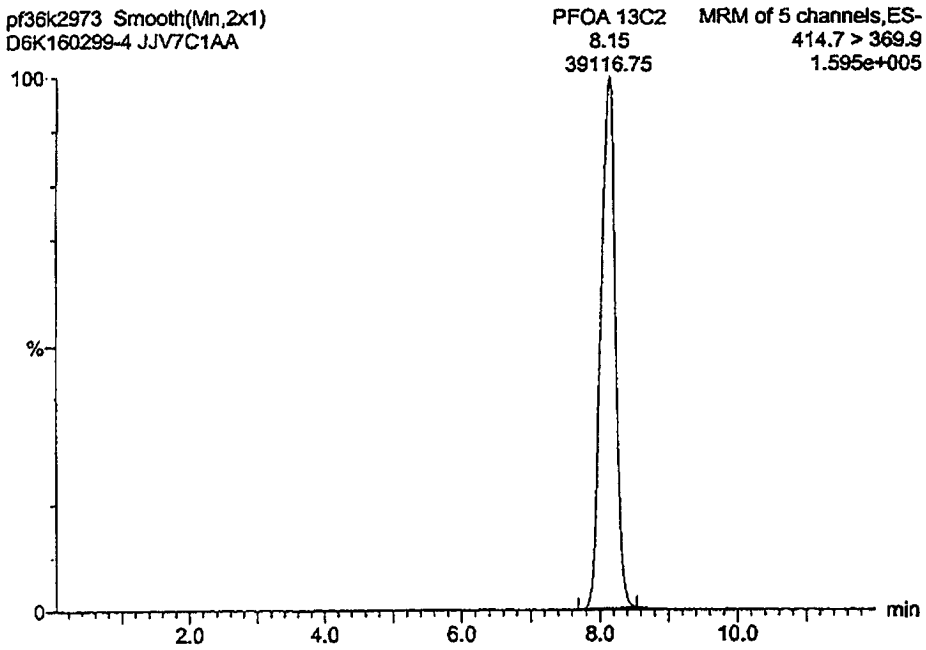
	Name	RT	Area	Flags	IS Area	dRT	Response	Conc	%Rec	Mod Conc	Mod Date
1	1 PFOA	8.08	420.132	bb	39116.750	3	0.107	0.001			
2	2 APFO	8.08	420.132	bb	39116.750	3	0.107	0.001			
3	3 PFOA 13C2	8.15	39116.750	bb		0	39116.750	11.547	115.5		
4	4 PFOS				39116.750	3					

Analyst: Steve Cowling

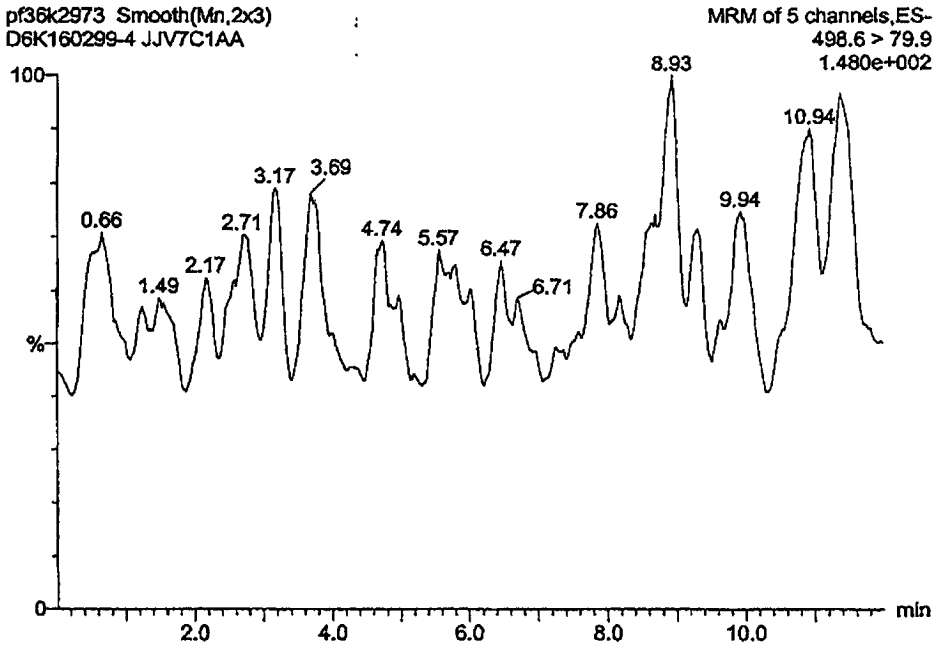
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2973, Date: 29-Nov-2006, Time: 22:58:09, ID: JJV7C1AA, Description: D6K160299-4

PFOA 13C2



PFOS



Analyst: Steve Cowling

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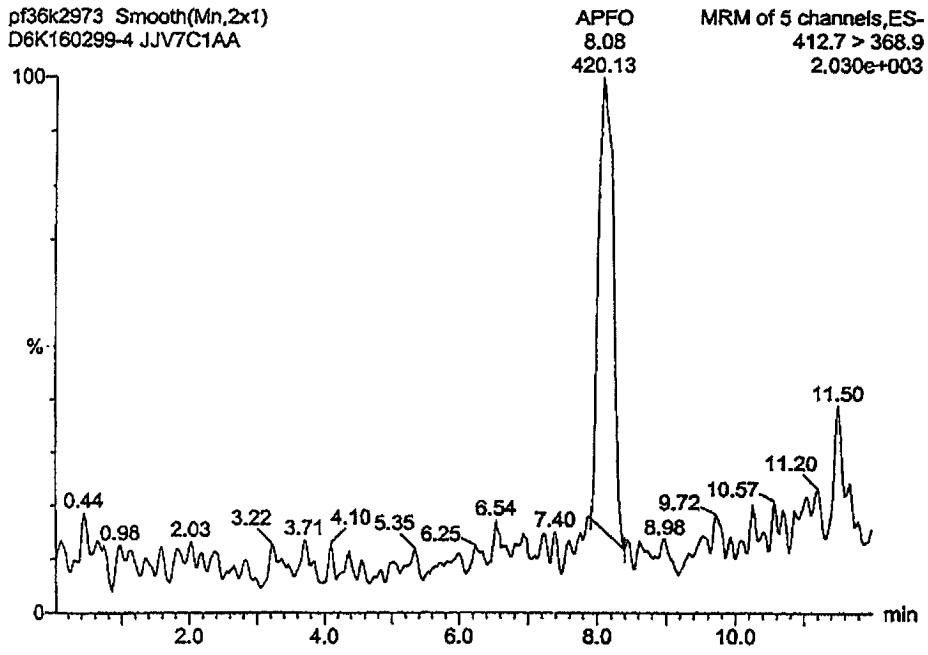
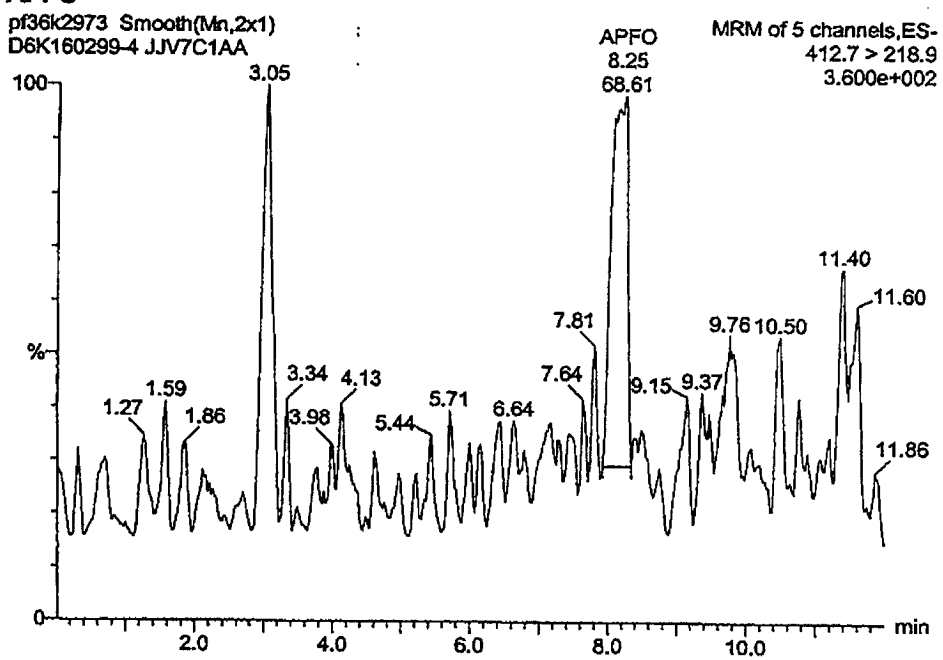
Name: pf36k2973, Date: 29-Nov-2006, Time: 22:58:09, ID: JJV7C1AA, Description: D6K160299-4

APFO



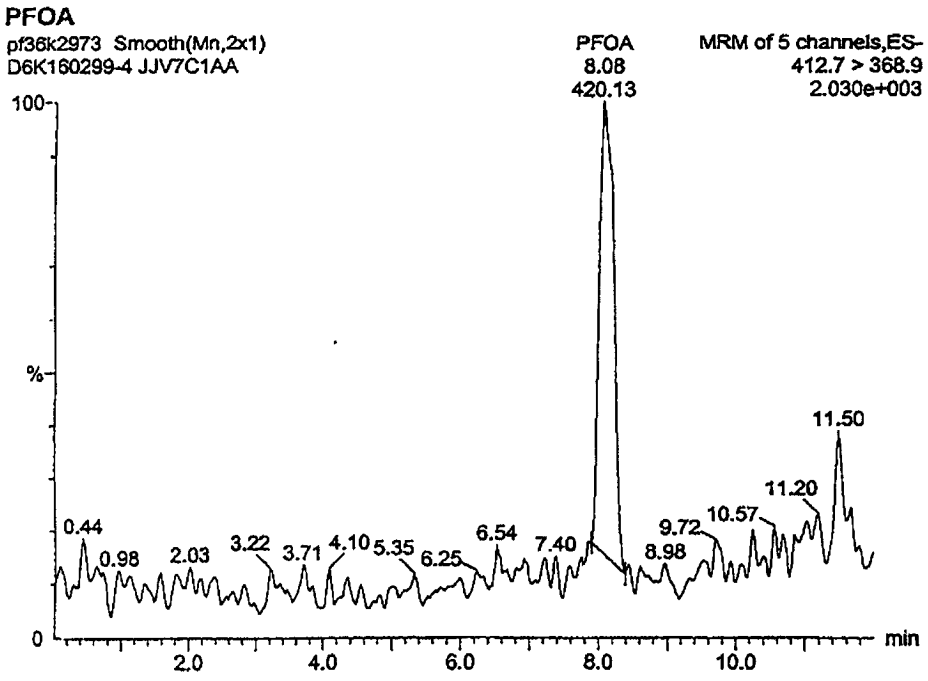
APFO

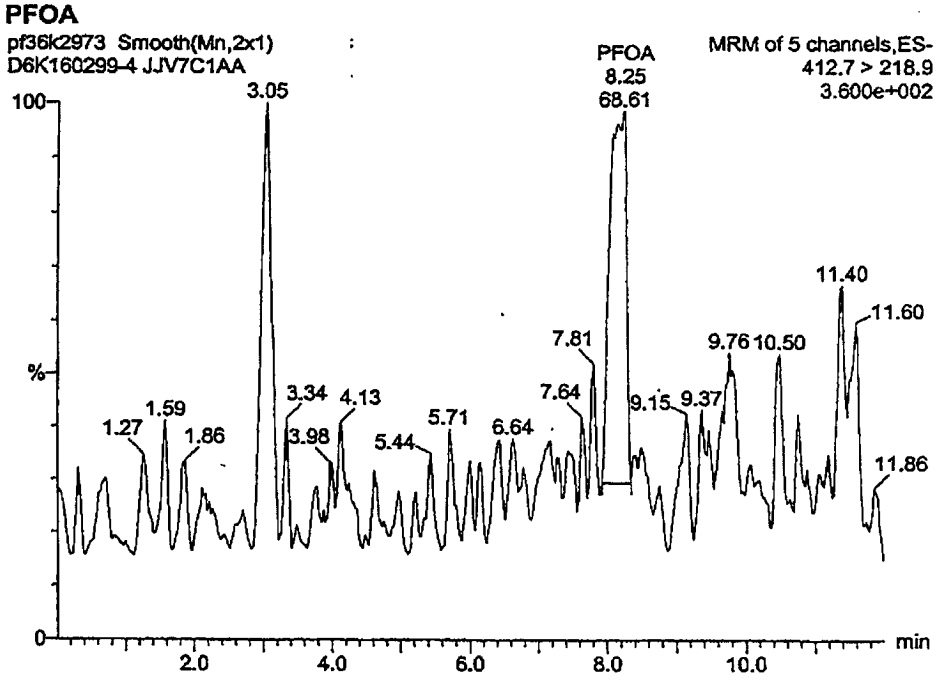


Analyst: Steve Cowling

PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2973, Date: 29-Nov-2006, Time: 22:58:09, ID: JJV7C1AA, Description: D6K160299-4

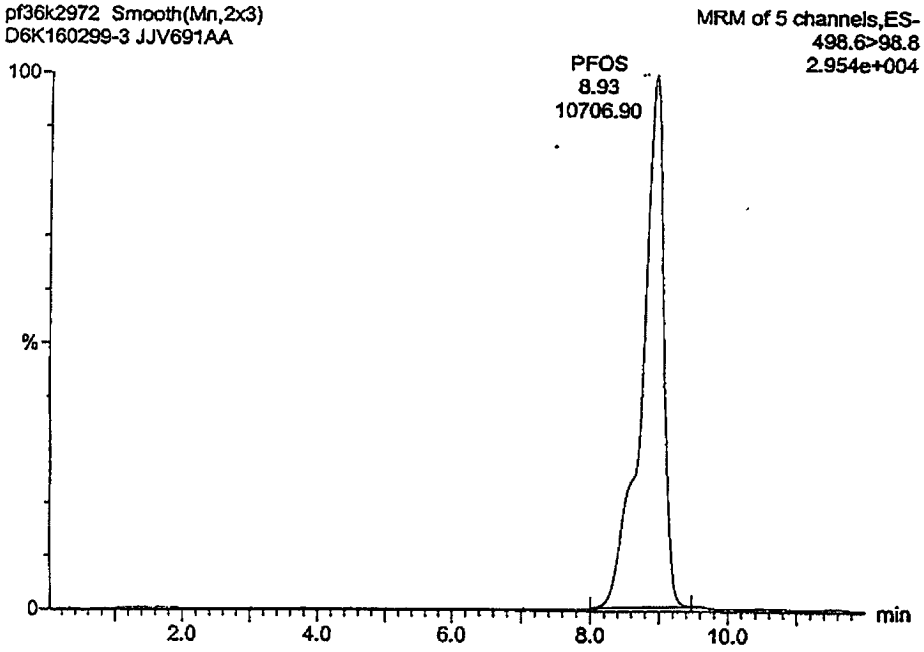




Analyst: Steve Cowling

Name: pf36k2972, Date: 29-Nov-2006, Time: 22:45:11, ID: JJV691AA, Description: D6K160299-3

PFOS



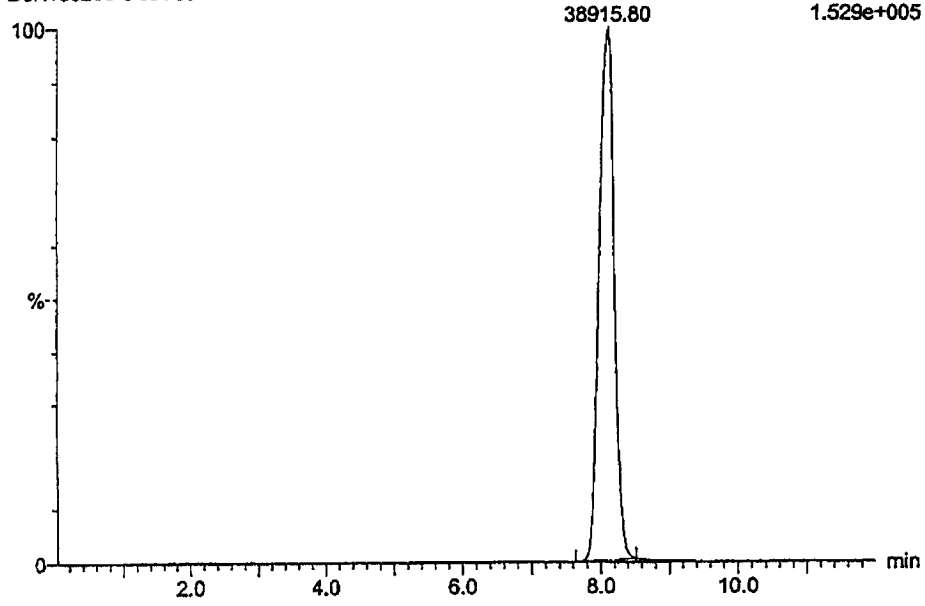
Name	RT	Area	Flags	IS Area	IS	Ratio	Conc.	Ret Mod	Comment	Mod Date	Cal File
1 PFOA	8.15	6841.614	bb	38915.801	3	1.758	0.036				
2 APFO	8.15	6841.614	bb	38915.801	3	1.758	0.037				
3 PFOA 13C2	8.13	38915.801	bb		0	38915.801	11.487	114.9			
4 PFOS	8.93	17074.643	bb	38915.801	3	4.388	0.115				

Analyst: Steve Cowling

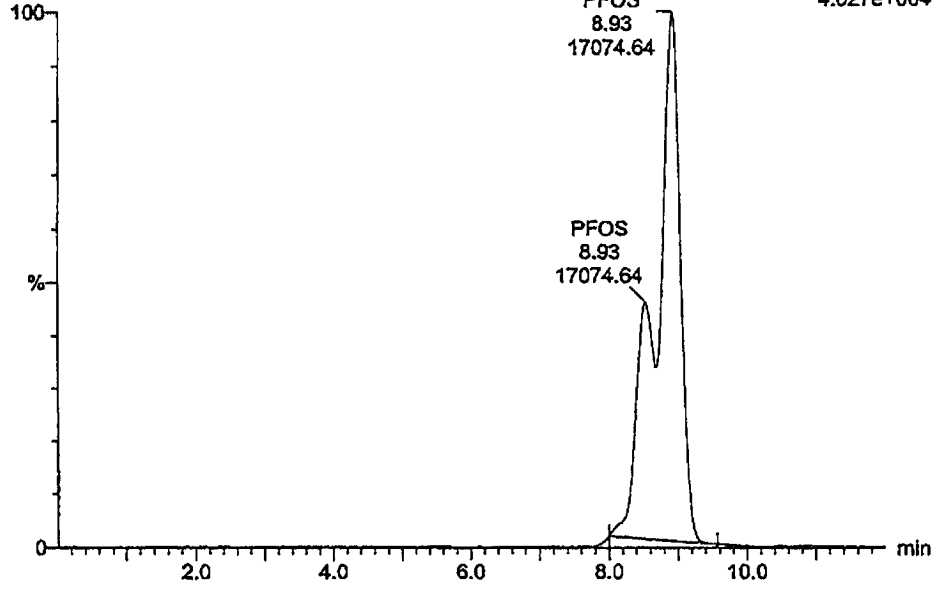
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2972, Date: 29-Nov-2006, Time: 22:45:11, ID: JJV691AA, Description: D6K160299-3

PFOA 13C2



PFOS

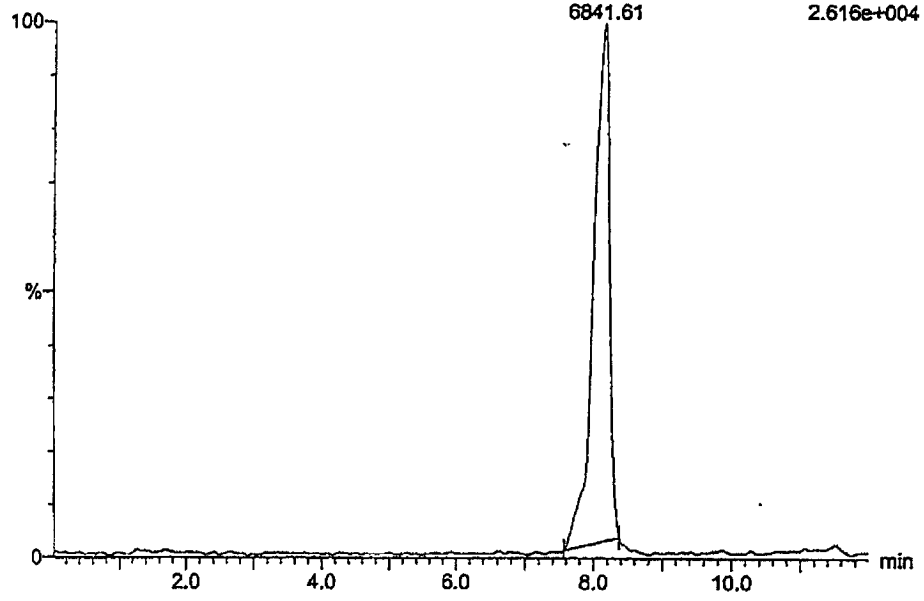


Analyst: Steve Cowling

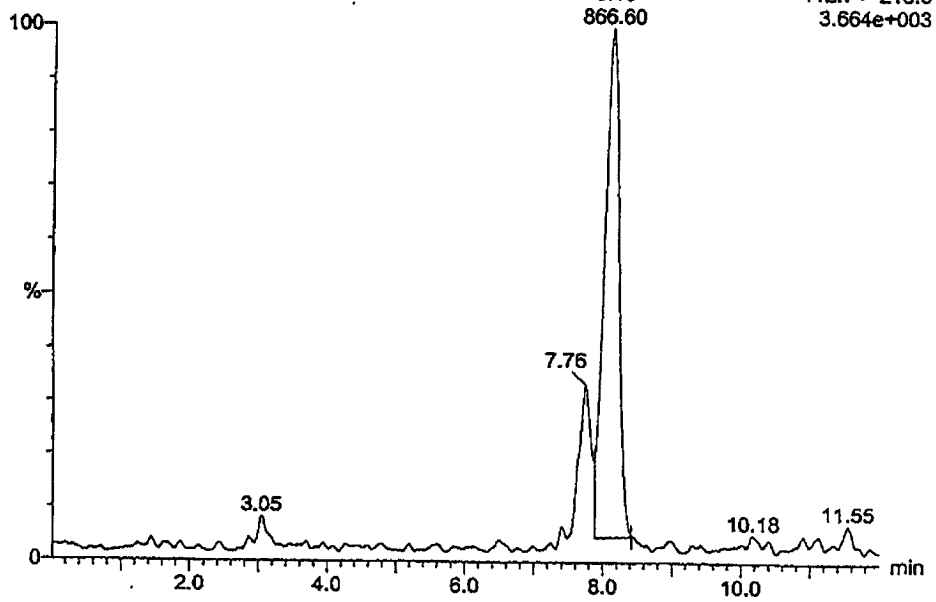
Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2972, Date: 29-Nov-2006, Time: 22:45:11, ID: JJV691AA, Description: D6K160299-3

APFO



APFO

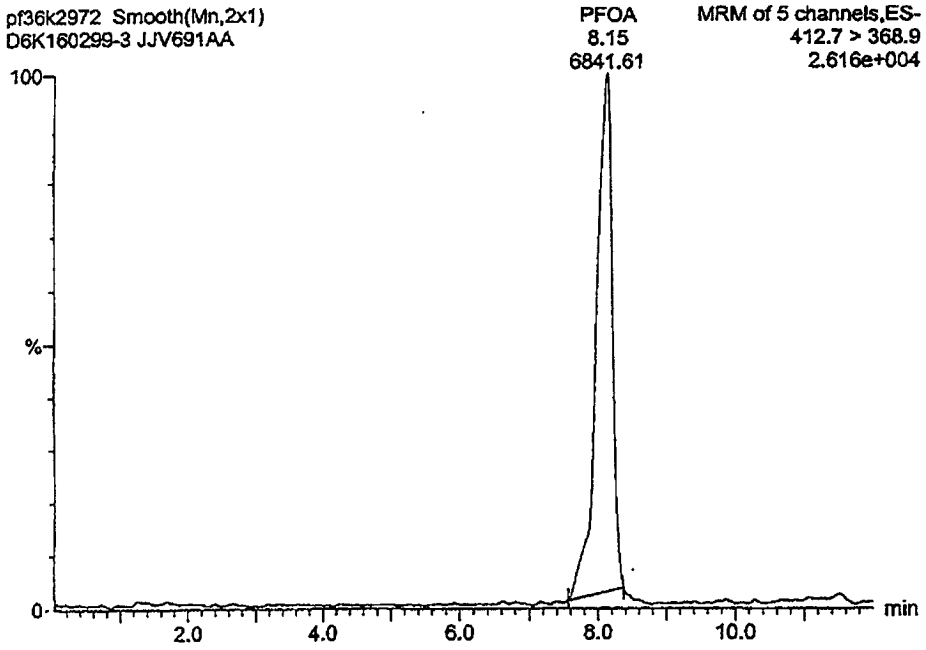


Analyst: Steve Cowling

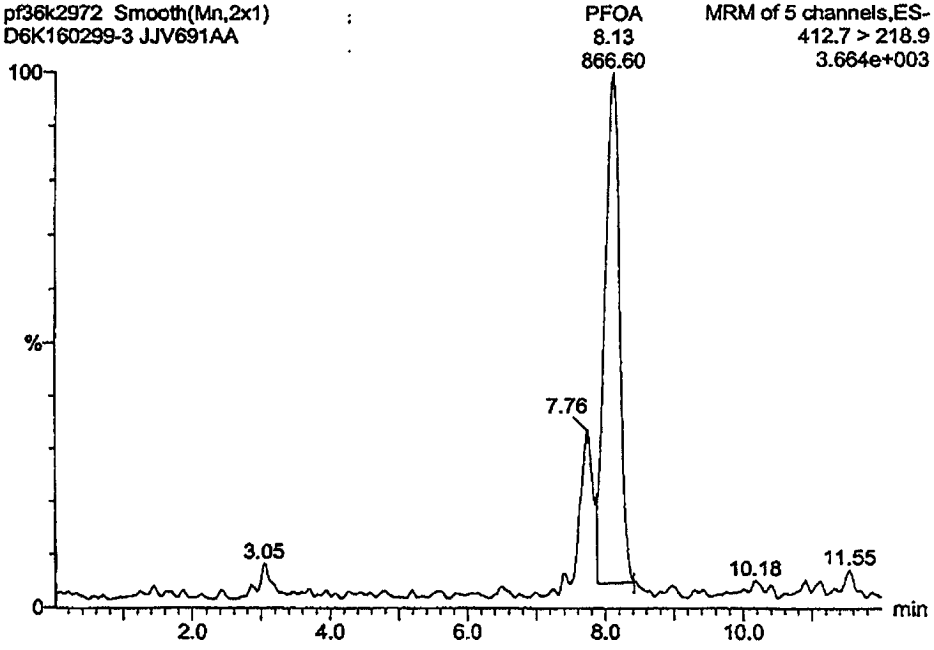
Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2972, Date: 29-Nov-2006, Time: 22:45:11, ID: JJV691AA, Description: D6K160299-3

PFOA



PFOA

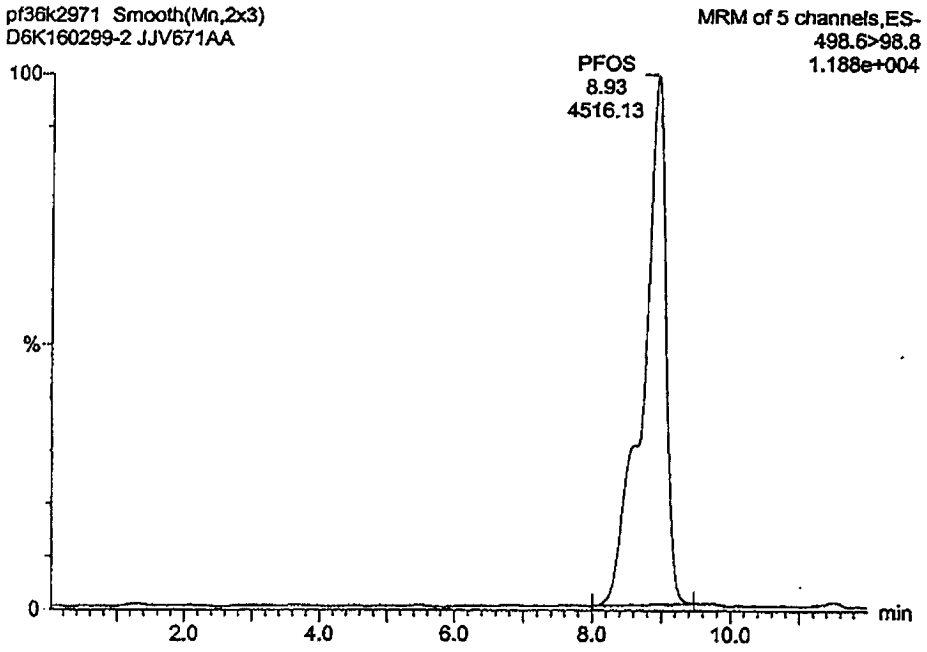


Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2971, Date: 29-Nov-2006, Time: 22:32:13, ID: JJV671AA, Description: D6K160299-2

PFOS



	Name	RT	Area	Flags	IS Area	IS	Response	Conc	Reviewed	Comment	Modified	Date Calibrated
1	1 PFOA	8.13	4044.266	bb	39473.387	3	1.025	0.020				
2	2 APFO	8.13	4044.266	bb	39473.387	3	1.025	0.021				
3	3 PFOA 13C2	8.13	39473.387	bb		0	39473.387	11.652	116.5			
4	4 PFOS	8.93	7436.145	bb	39473.387	3	1.884	0.049				

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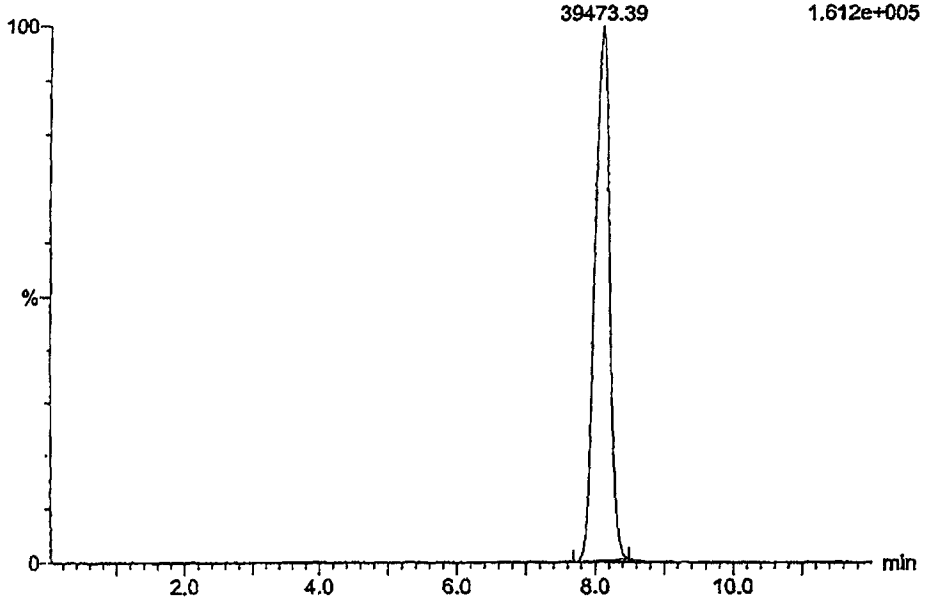
Analyst: Steve Cowling

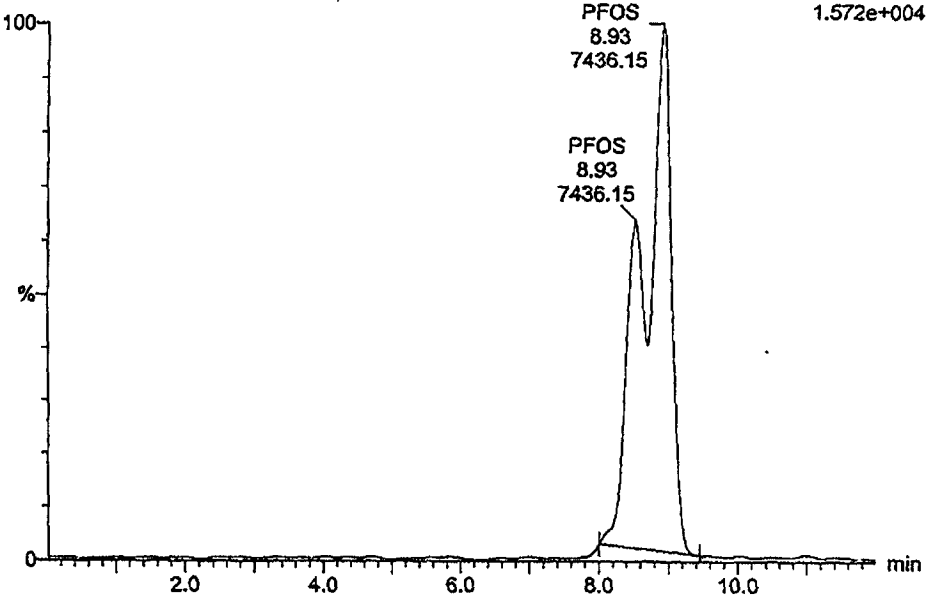
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2971, Date: 29-Nov-2006, Time: 22:32:13, ID: JJV671AA, Description: D6K160299-2

PFOA 13C2



PFOS

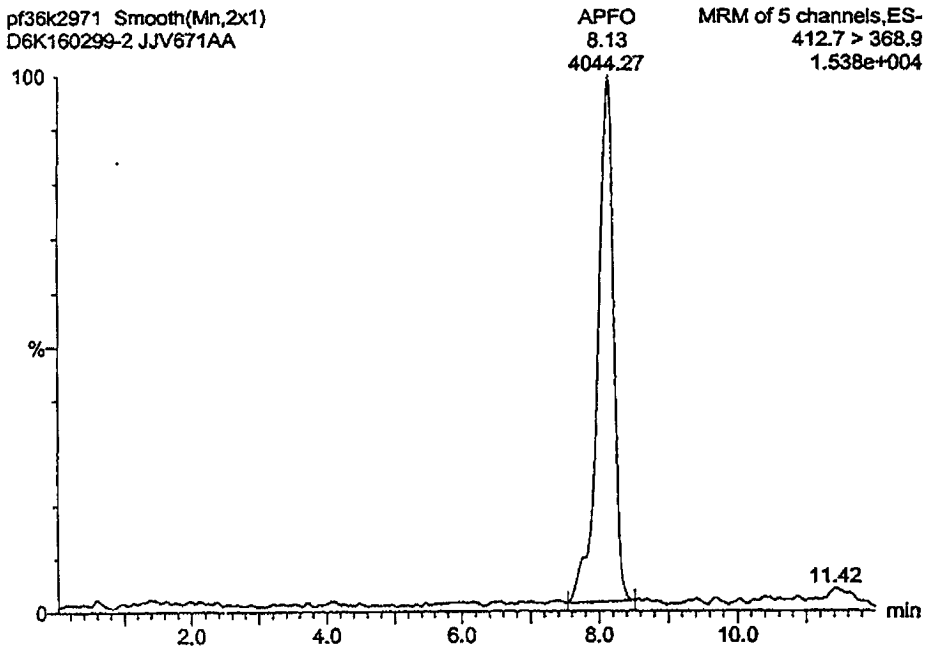


Analyst: Steve Cowling

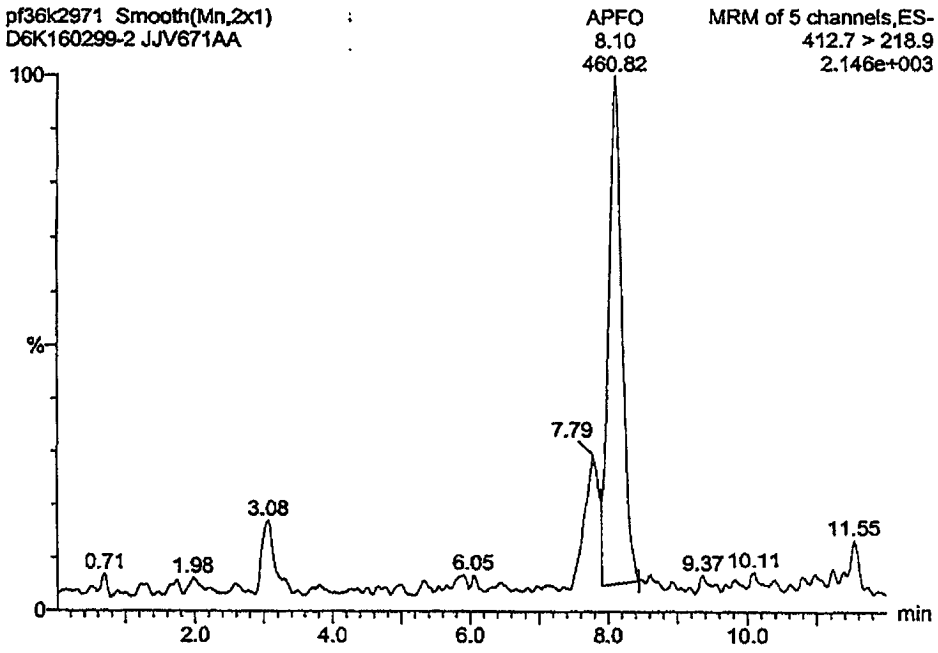
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2971, Date: 29-Nov-2006, Time: 22:32:13, ID: JJV671AA, Description: D6K160299-2

APFO



APFO

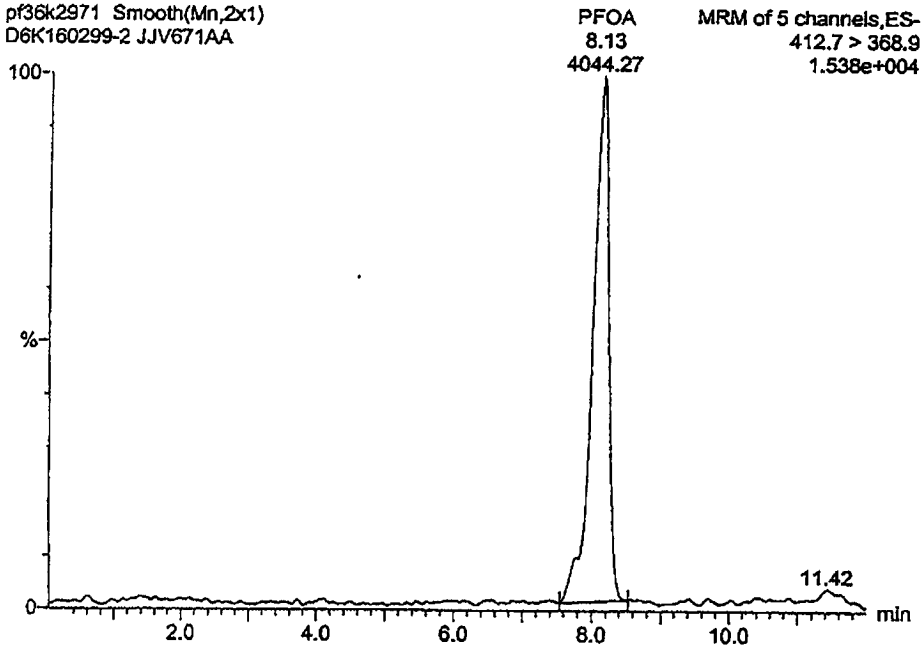


Analyst: Steve Cowling

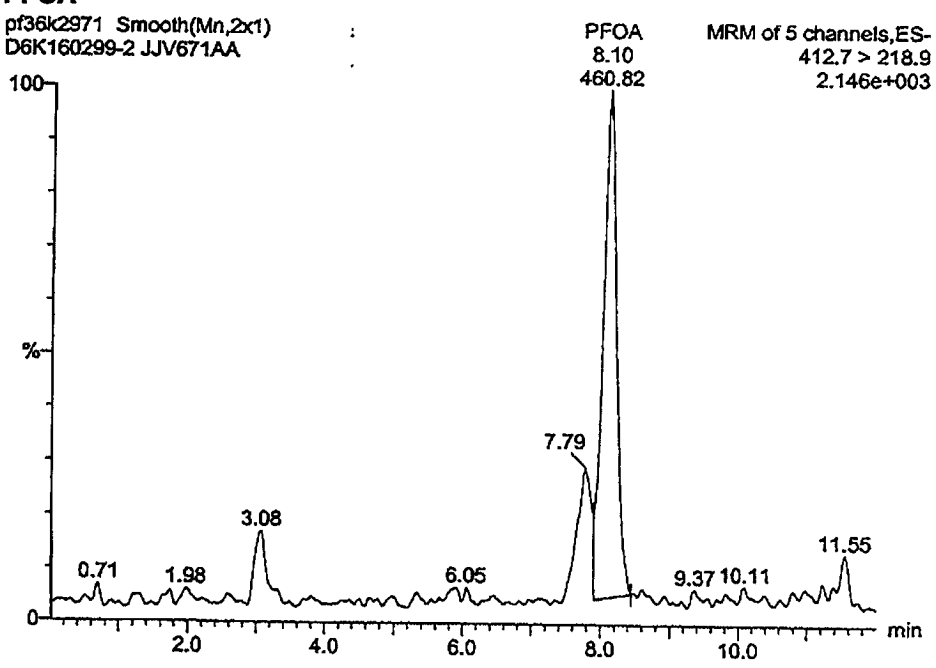
Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2971, Date: 29-Nov-2006, Time: 22:32:13, ID: JJV671AA, Description: D6K160299-2

PFOA



PFOA

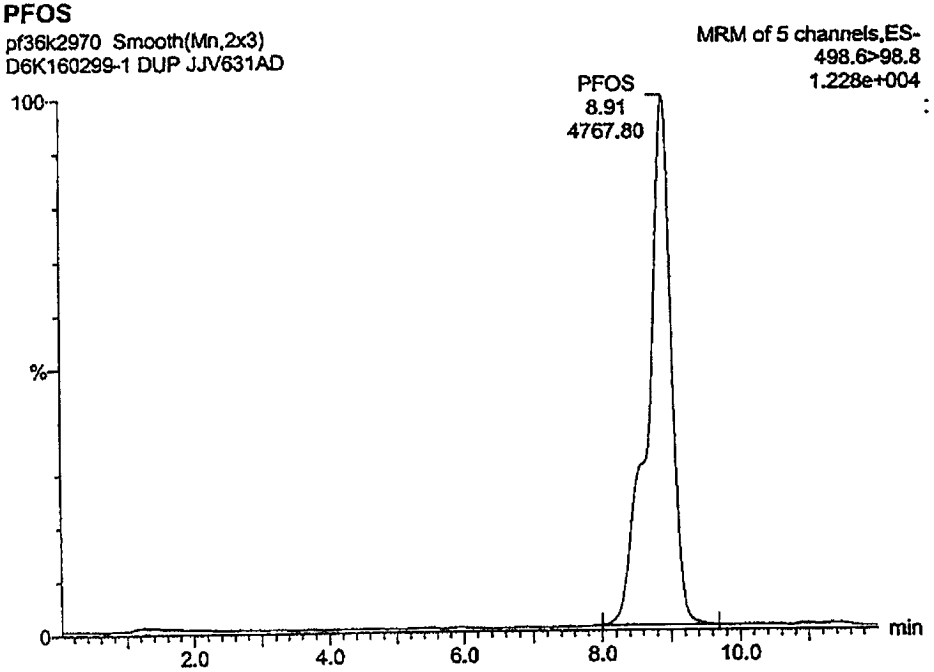


Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2970, Date: 29-Nov-2006, Time: 22:19:17, ID: JJV631AD, Description: D6K160299-1 DUP

PFOS

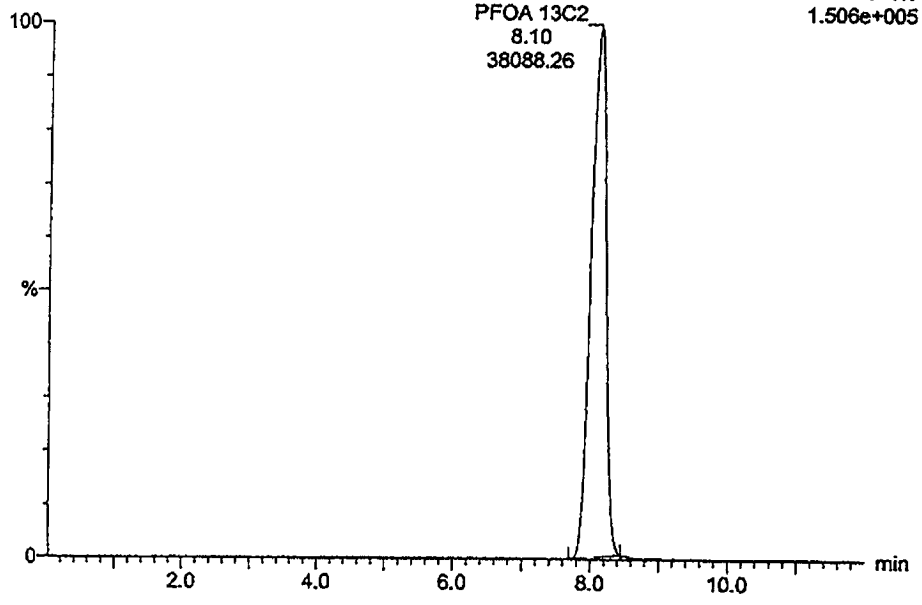


	Name	RT	Area	Flags	Std Area	IS	Response	% Conc	Ret Mod	Comment	Mod Date	Reason	Qual File
1	1 PFOA	8.13	3577.006	bb	38088.262	3	0.939	0.019					
2	2 APFO	8.13	3577.006	bb	38088.262	3	0.939	0.019					
3	3 PFOA 13C2	8.10	38088.262	bb		0	38088.262	11.243	112.4				
4	4 PFOS	8.93	7856.674	bb	38088.262	3	2.063	0.055					

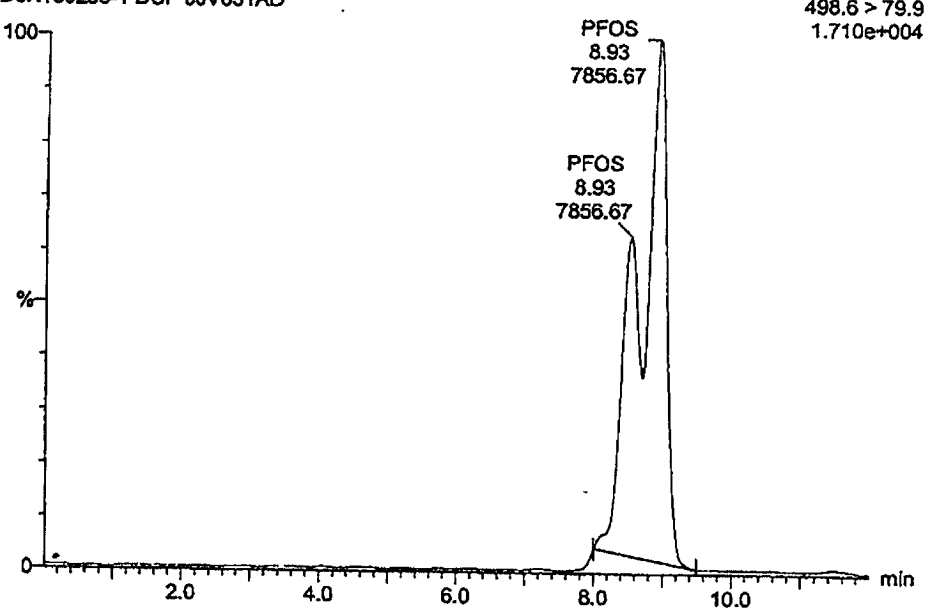
Analyst: Steve Cowling

Name: pf36k2970, Date: 29-Nov-2006, Time: 22:19:17, ID: JJV631AD, Description: D6K160299-1 DUP

PFOA 13C2



PFOS

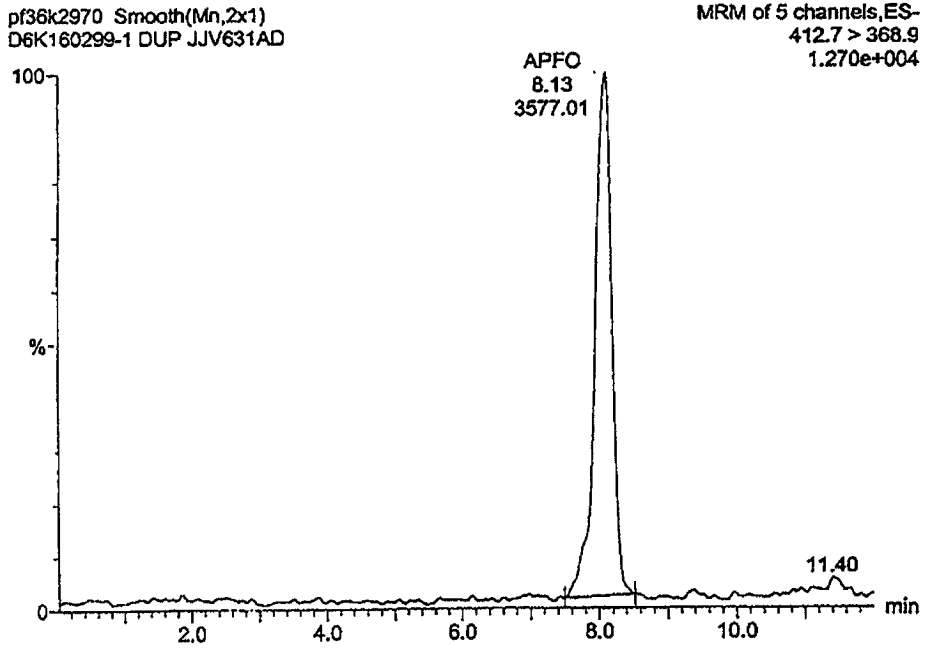


Analyst: Steve Cowling

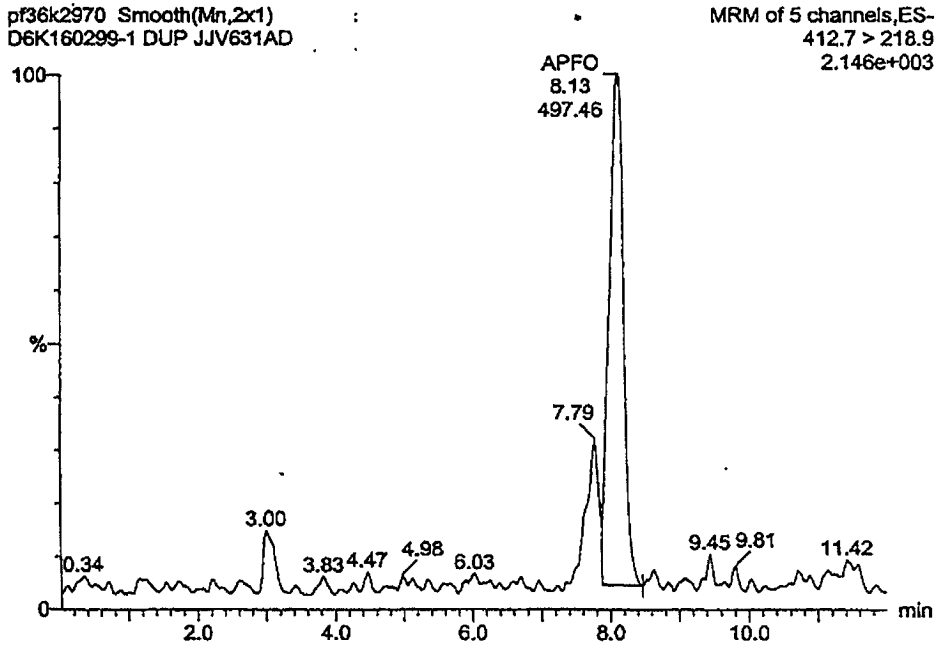
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2970, Date: 29-Nov-2006, Time: 22:19:17, ID: JJV631AD, Description: D6K160299-1 DUP

APFO



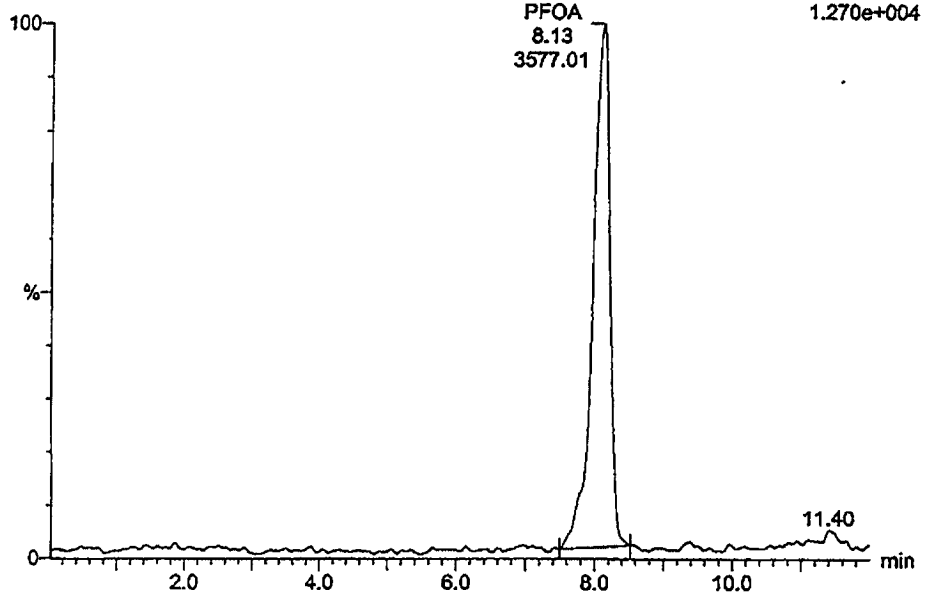
APFO



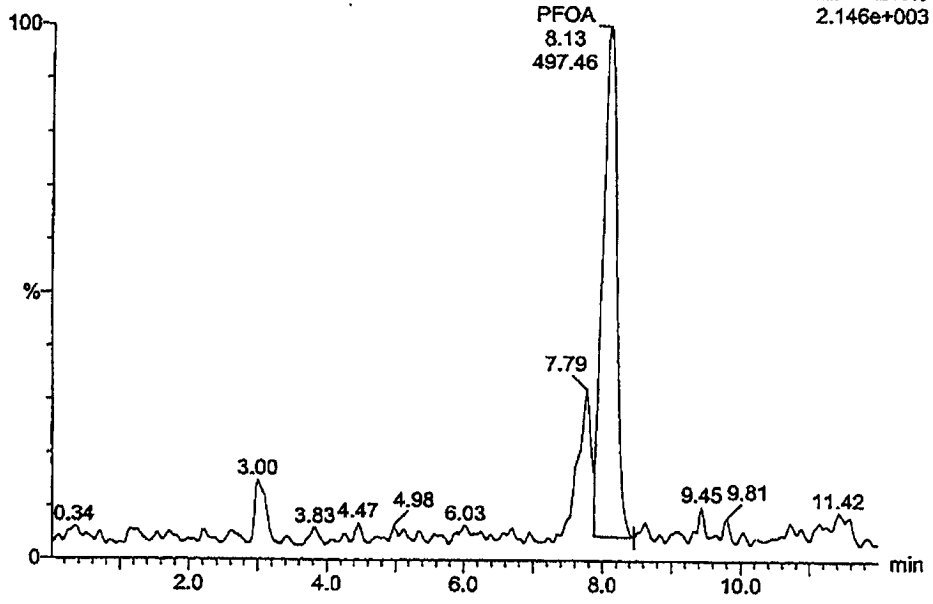
Analyst: Steve Cowling

Name: pf36k2970, Date: 29-Nov-2006, Time: 22:19:17, ID: JJV631AD, Description: D6K160299-1 DUP

PFOA



PFOA

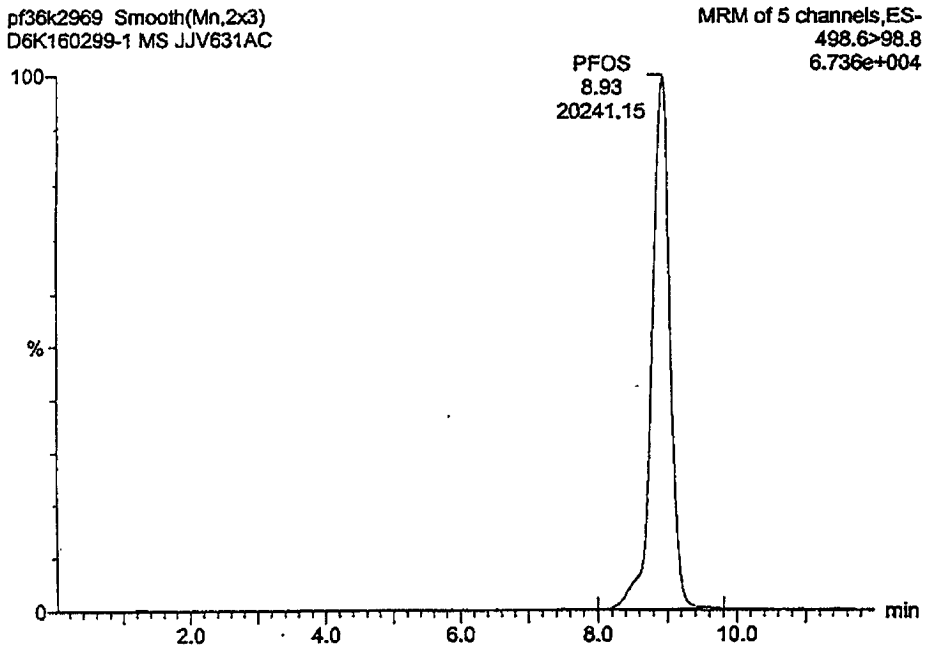


Analyst: Steve Cowling

PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2969, Date: 29-Nov-2006, Time: 22:06:21, ID: JJV631AC, Description: D6K160299-1 MS

PFOS



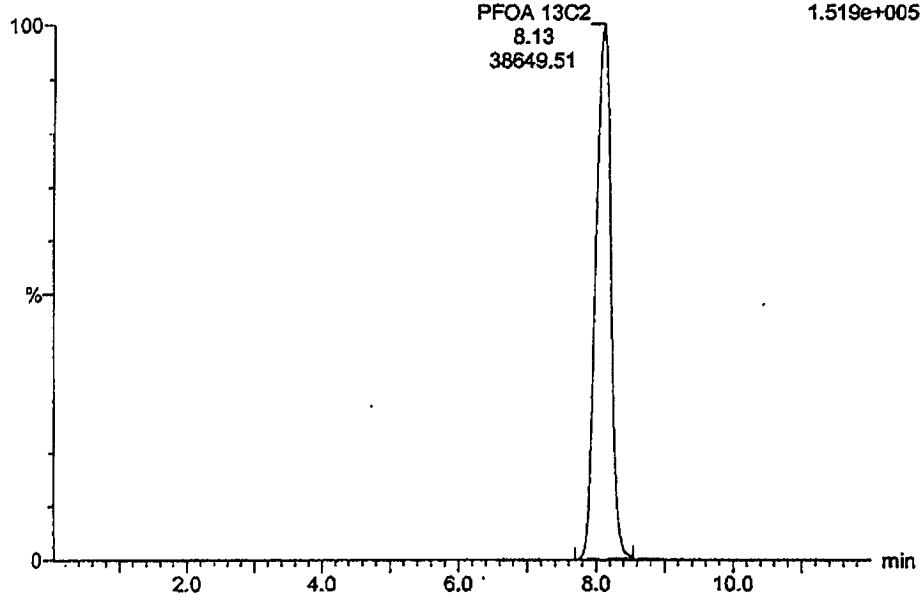
	Name	RT	Area	Flags	IStArea	IStd	Response	Conc	RecVol	Comment	MassLynx	File
1	1 PFOA	8.13	43661.070	bb	38649.508	3	11.297	0.243	121.5			
2	2 APFO	8.13	43661.070	bb	38649.508	3	11.297	0.253	121.5			
3	3 PFOA 13C2	8.13	38649.508	bb		0	38649.508	11.409	114.1			
4	4 PFOS	8.93	27872.289	bb	38649.508	3	7.212	0.192	96.2			

Analyst: Steve Cowling

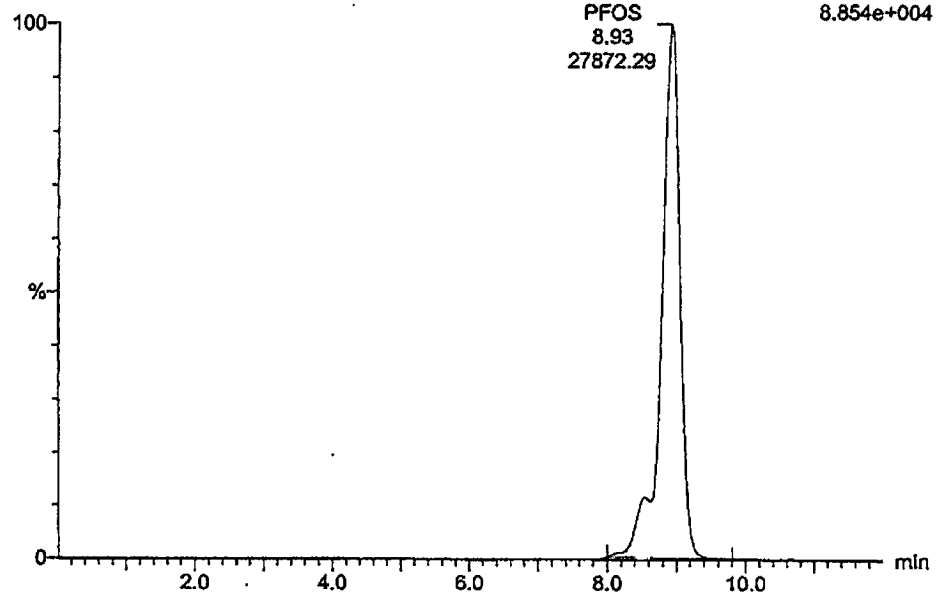
Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2969, Date: 29-Nov-2006, Time: 22:06:21, ID: JJV631AC, Description: D6K160299-1 MS

PFOA 13C2



PFOS



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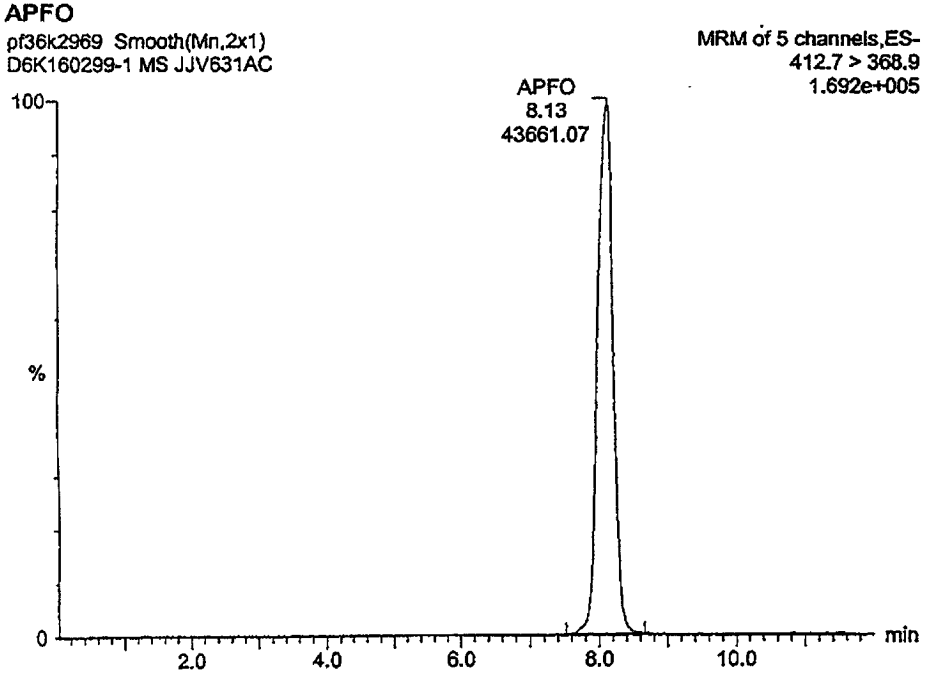
Analyst: Steve Cowling

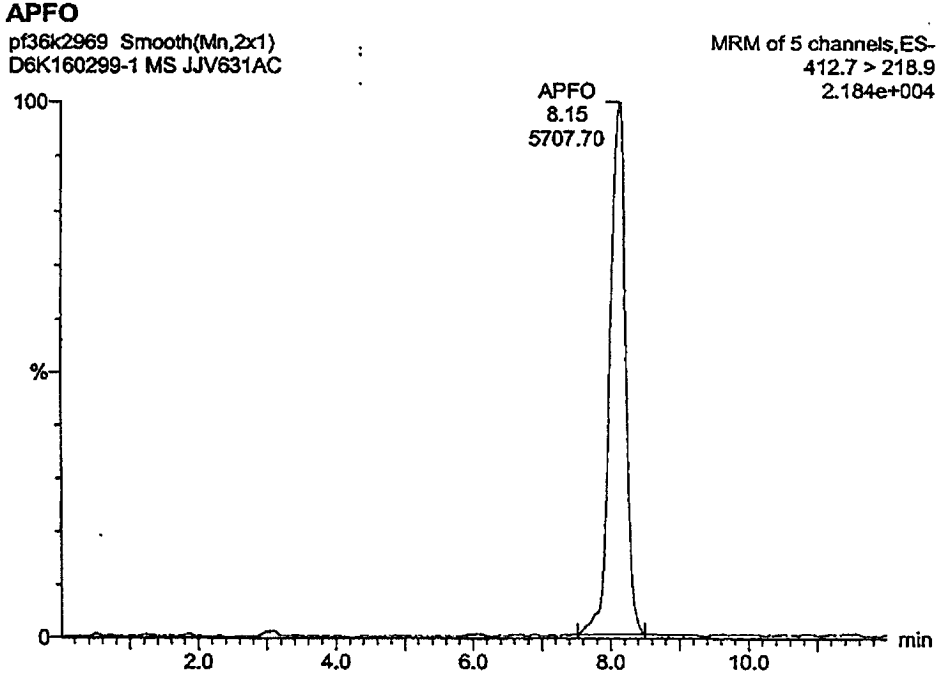
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2969, Date: 29-Nov-2006, Time: 22:06:21, ID: JJV631AC, Description: D6K160299-1 MS

APFO



APFO

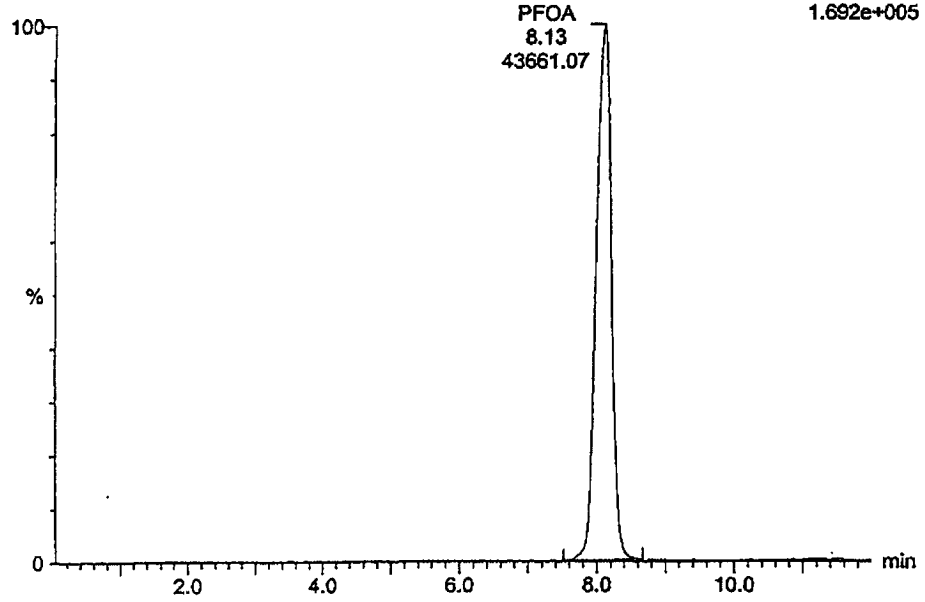


Analyst: Steve Cowling

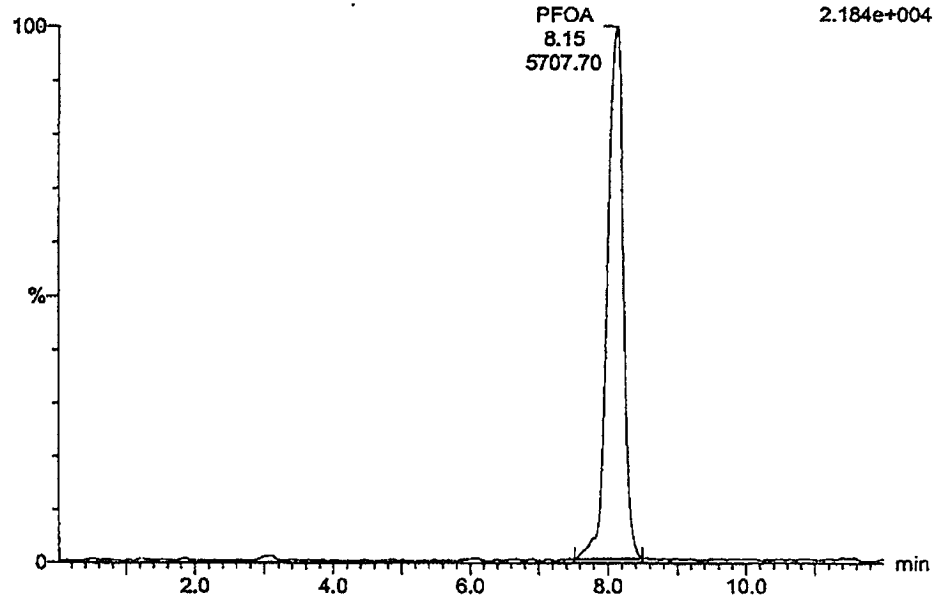
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2969, Date: 29-Nov-2006, Time: 22:06:21, ID: JJV631AC, Description: D6K160299-1 MS

PFOA



PFOA

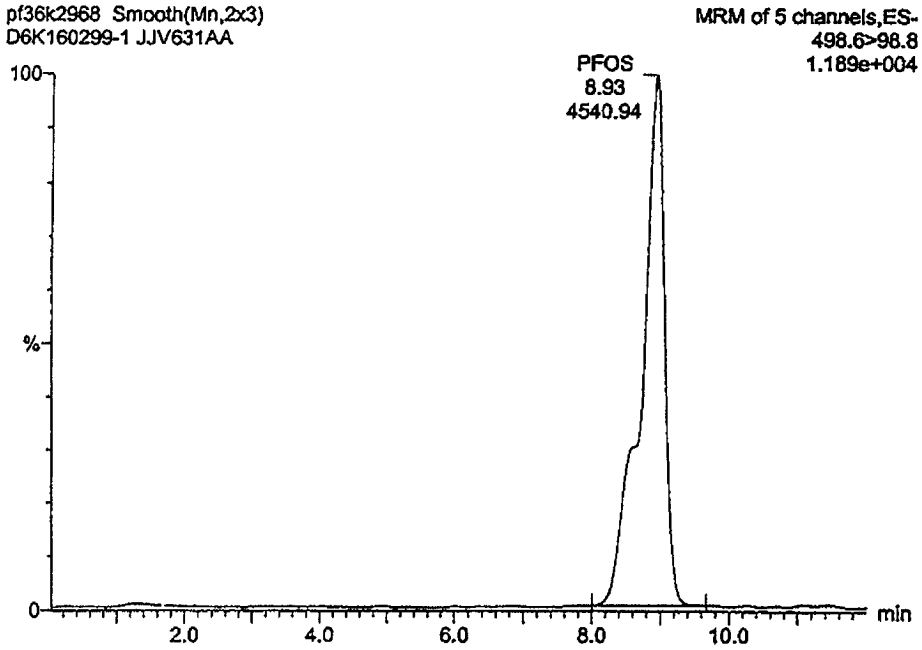


Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2968, Date: 29-Nov-2006, Time: 21:53:23, ID: JJV631AA, Description: D6K160299-1

PFOS



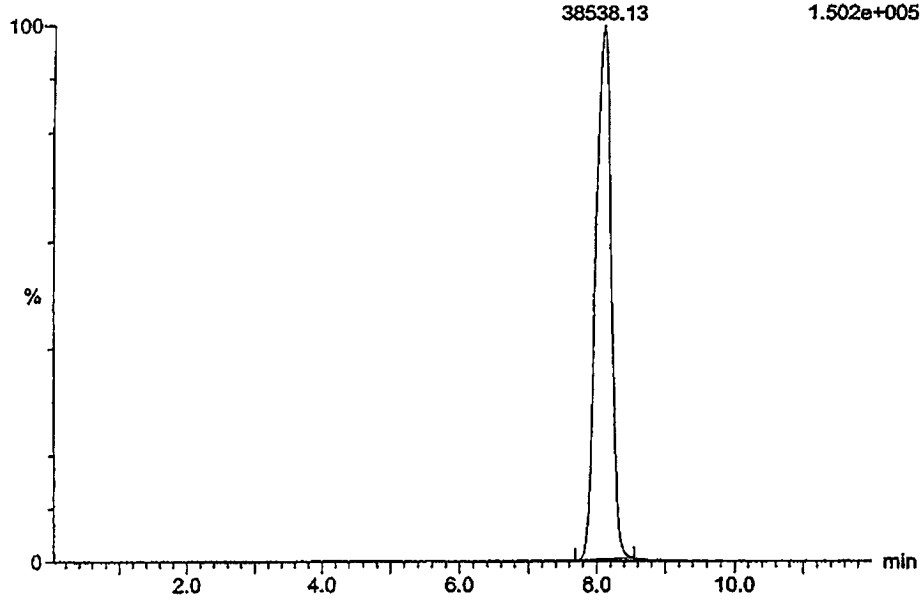
	Name	RT	Area	Flags	IS Area	IS	Response	Conc	Reason	Modified	Comment
1	PFOA	8.13	3878.344	bb	38538.133	3	1.006	0.020			
2	APFO	8.13	3878.344	bb	38538.133	3	1.006	0.021			
3	PFOA 13C2	8.13	38538.133	bb		0	38538.133	11.376	113.8		
4	PFOS	8.93	7477.024	bb	38538.133	3	1.940	0.051			

Analyst: Steve Cowling

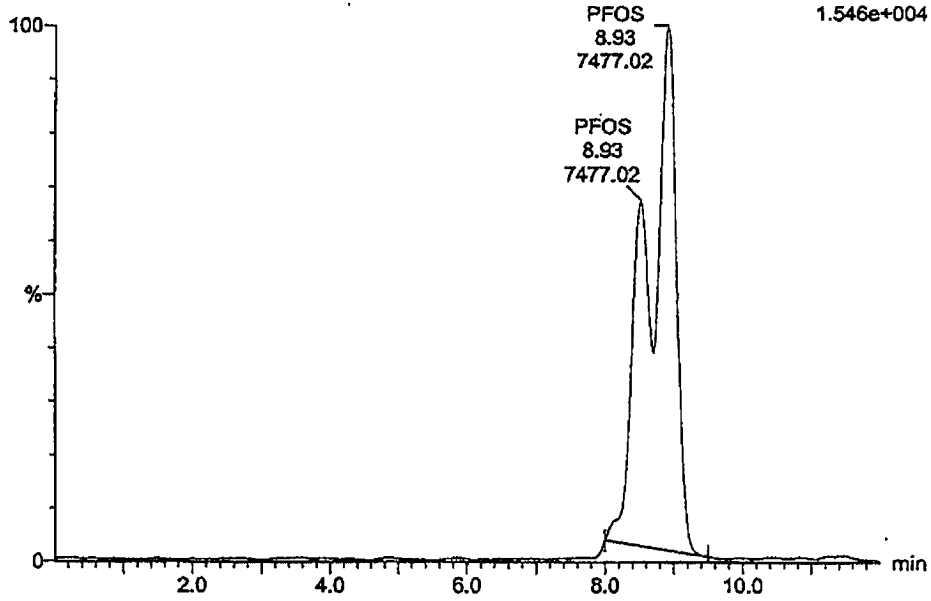
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2968, Date: 29-Nov-2006, Time: 21:53:23, ID: JJV631AA, Description: D6K160299-1

PFOA 13C2



PFOS

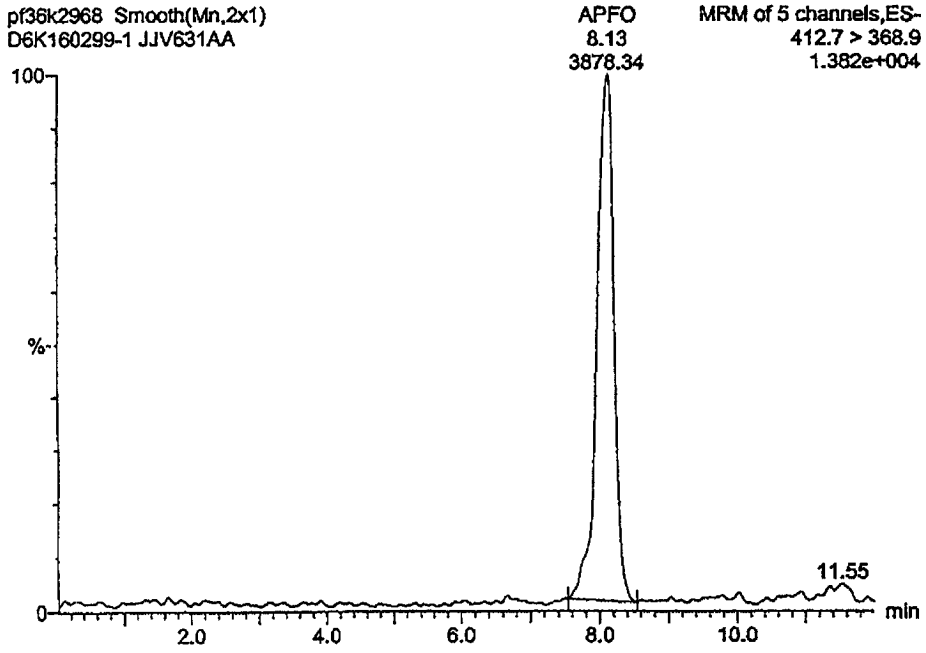


Analyst: Steve Cowling

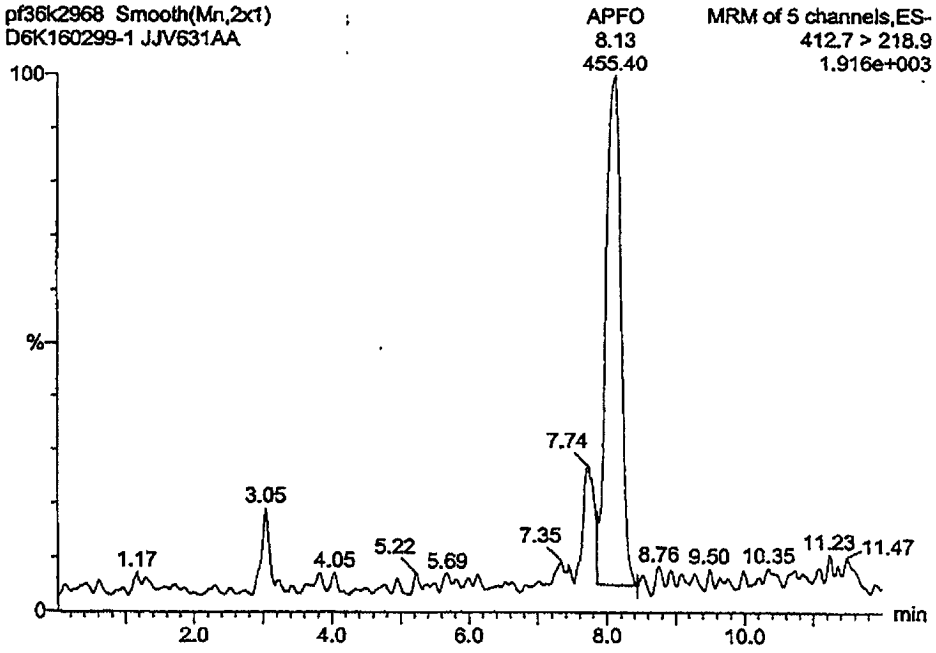
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2968, Date: 29-Nov-2006, Time: 21:53:23, ID: JJV631AA, Description: D6K160299-1

APFO



APFO

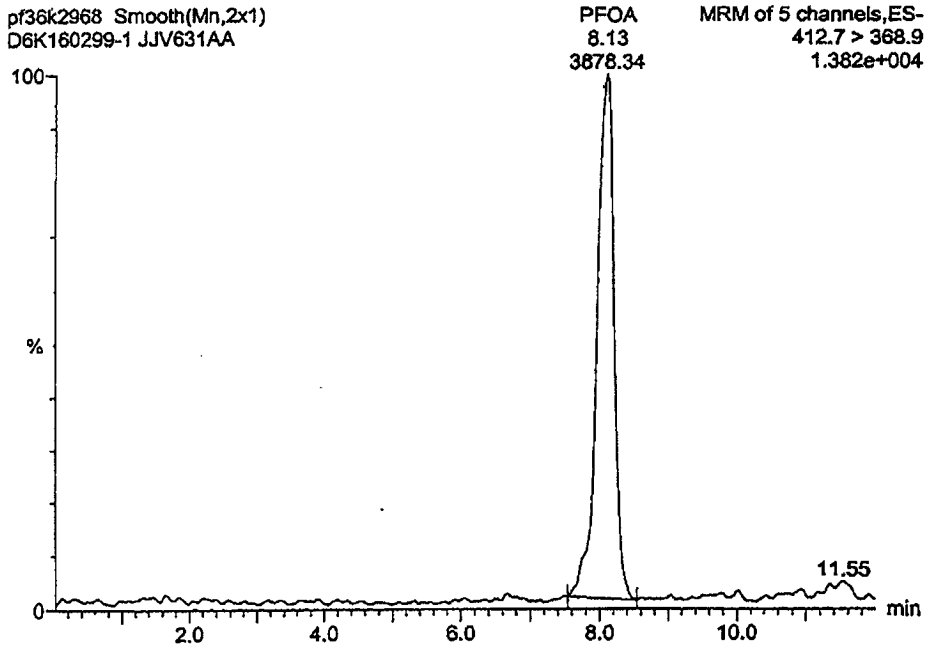


Analyst: Steve Cowling

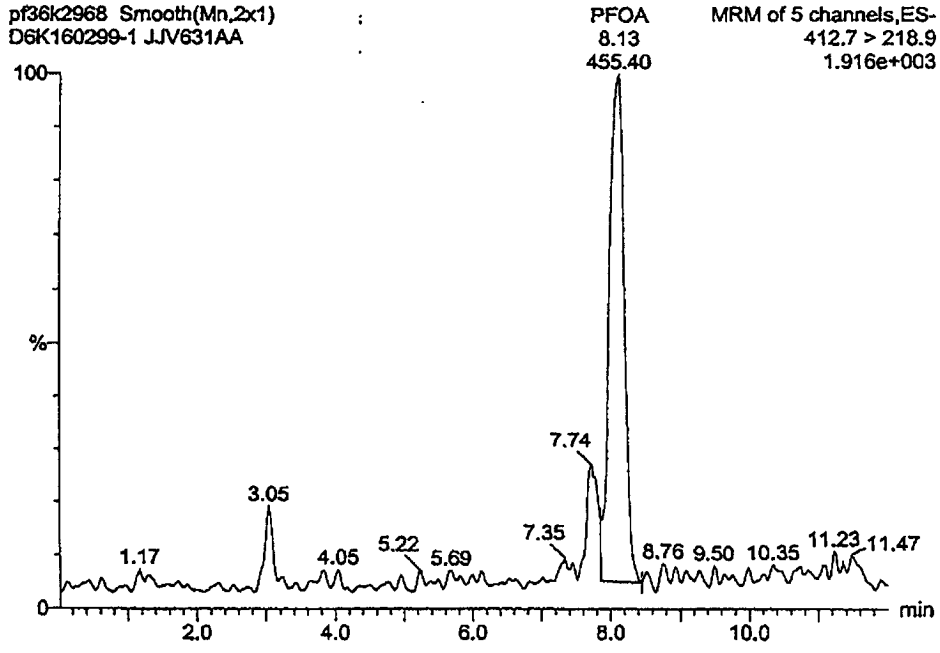
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2968, Date: 29-Nov-2006, Time: 21:53:23, ID: JJV631AA, Description: D6K160299-1

PFOA



PFOA

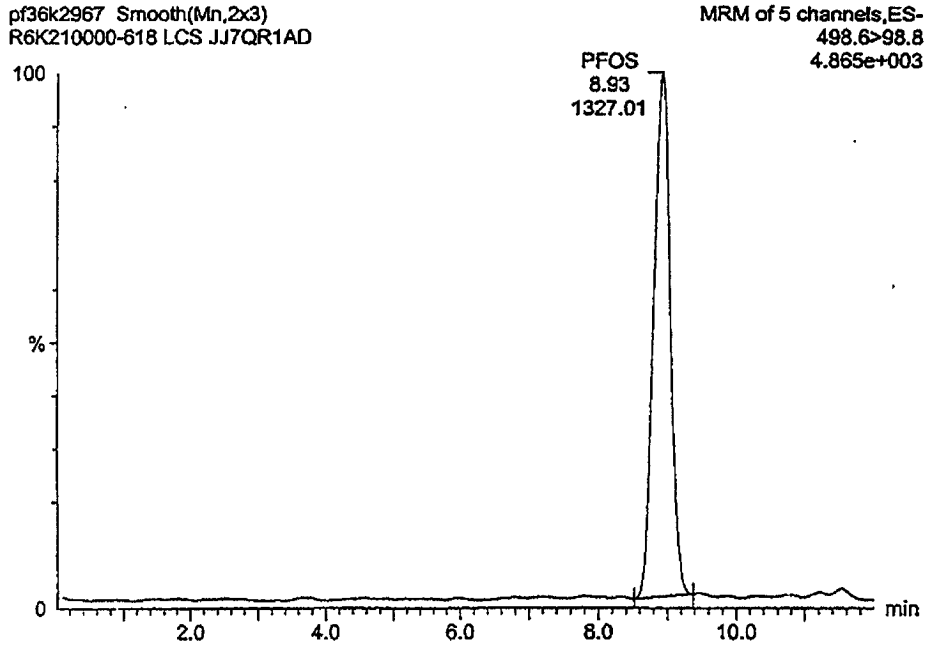


Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2967, Date: 29-Nov-2006, Time: 21:40:26, ID: JJ7QR1AD, Description: R6K210000-618 LCS

PFOS



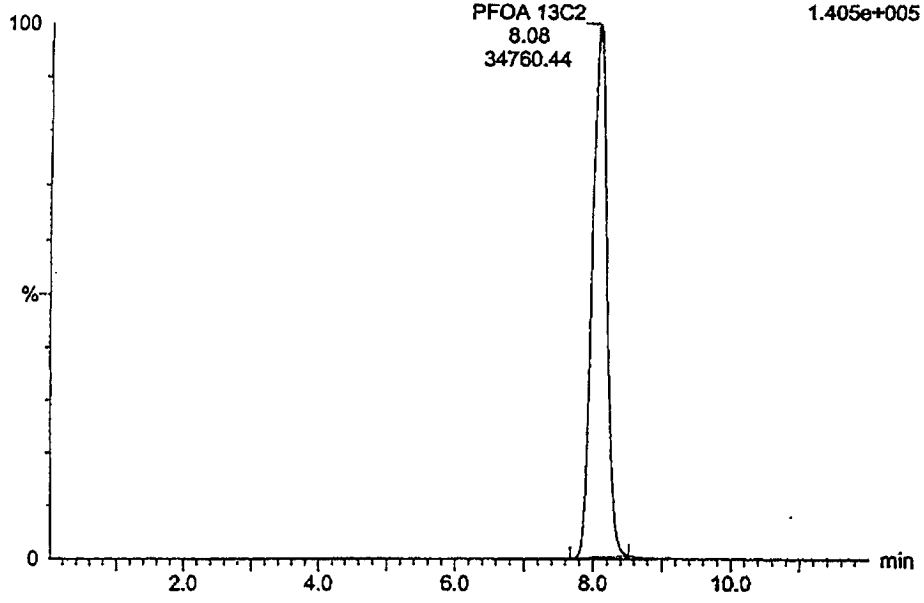
	Name	RT	Area	Flags	IS Area	S/N	Response	Conc	Recovery
1	PFOA	8.08	3245.832	bb	34760.438	3	0.934	0.018	92.5
2	APFO	8.08	3245.832	bb	34760.438	3	0.934	0.019	92.4
3	PFOA 13C2	8.08	34760.438	bb		0	34760.438	10.261	102.6
4	PFOS	8.93	1762.663	bb	34760.438	3	0.507	0.013	65.8

Analyst: Steve Cowling

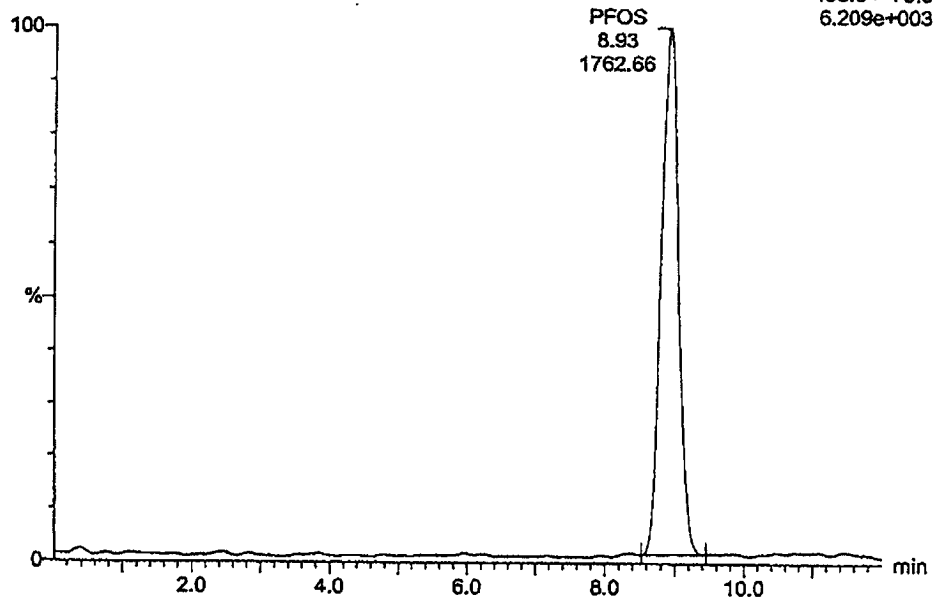
Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2967, Date: 29-Nov-2006, Time: 21:40:26, ID: JJ7QR1AD, Description: R6K210000-618 LCS

PFOA 13C2



PFOS



Analyst: Steve Cowling

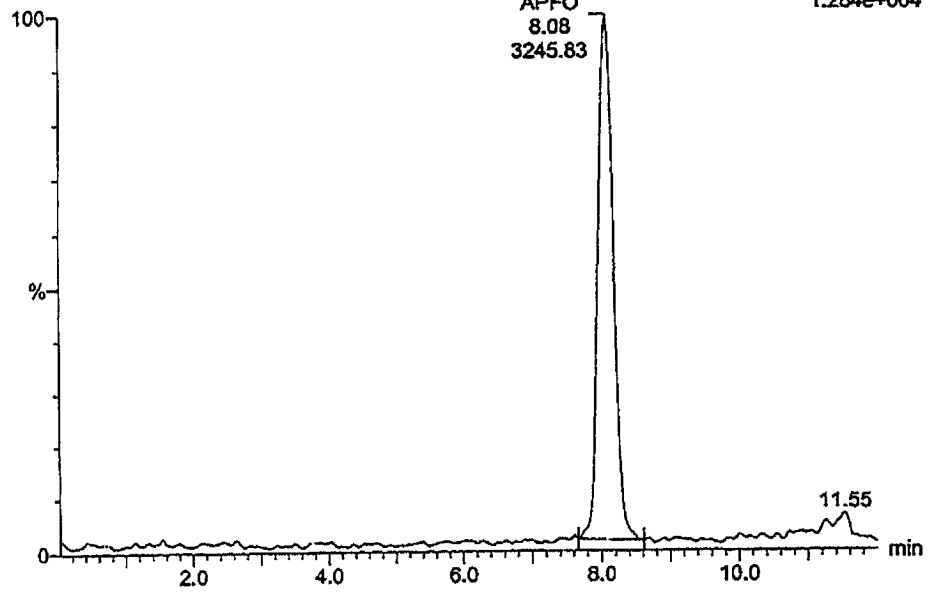
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2967, Date: 29-Nov-2006, Time: 21:40:26, ID: JJ7QR1AD, Description: R6K210000-618 LCS

APFO

pf36k2967 Smooth(Mn,2x1)
R6K210000-618 LCS JJ7QR1AD

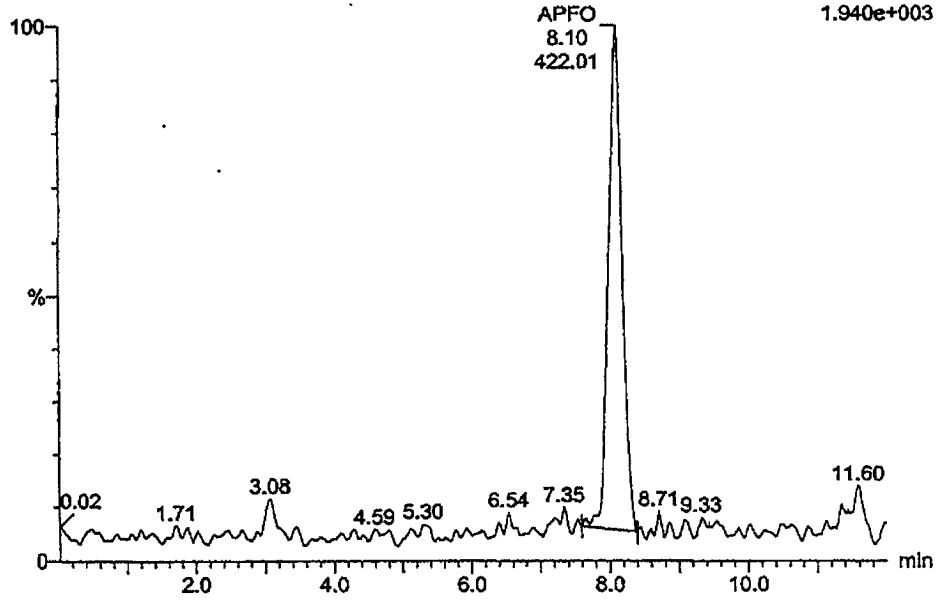
MRM of 5 channels,ES-
412.7 > 368.9
1.284e+004



APFO

pf36k2967 Smooth(Mn,2x1)
R6K210000-618 LCS JJ7QR1AD

MRM of 5 channels,ES-
412.7 > 218.9
1.940e+003



Analyst: Steve Cowling

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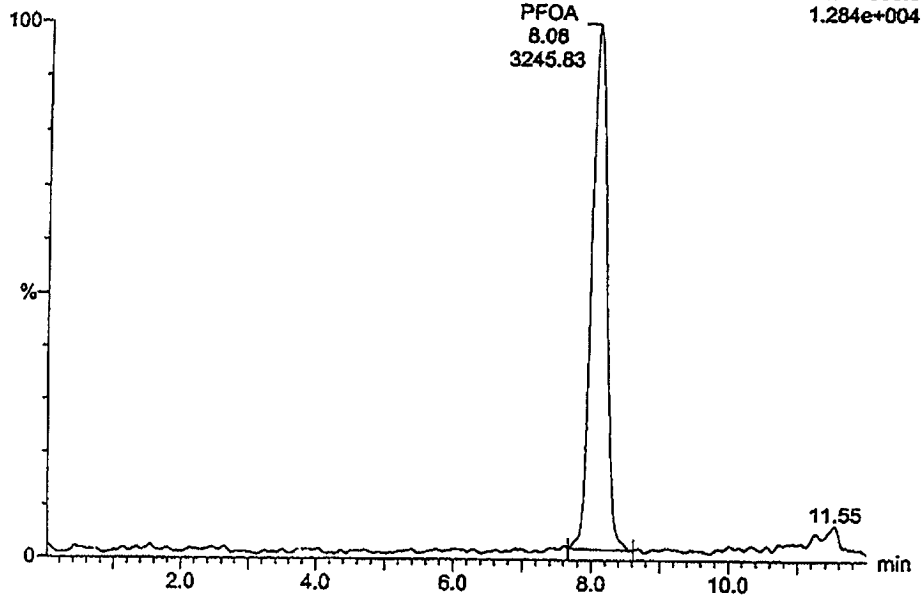
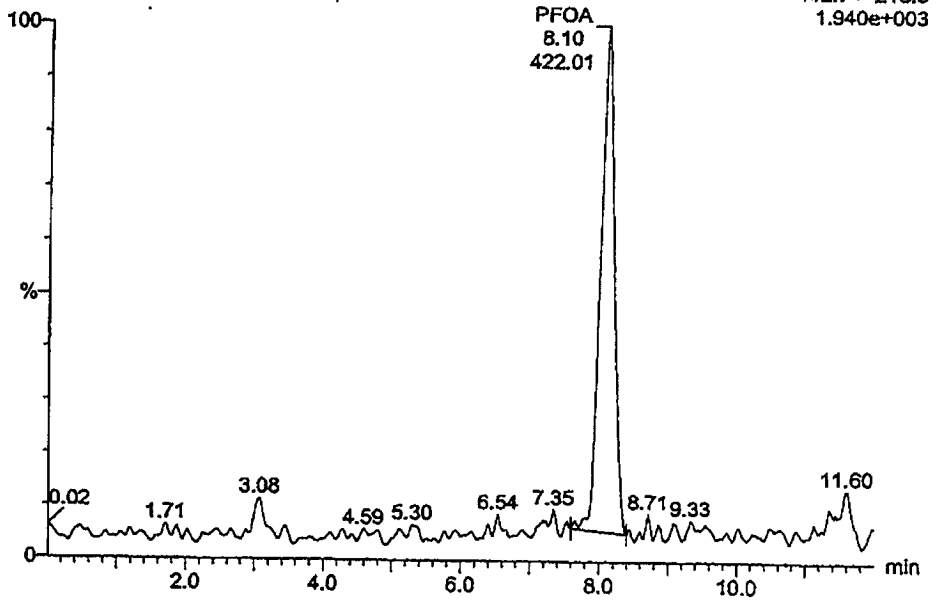
Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2967, Date: 29-Nov-2006, Time: 21:40:26, ID: JJ7QR1AD, Description: R6K210000-618 LCS

PFOA
pf36k2967 Smooth(Mn,2x1)
R6K210000-618 LCS JJ7QR1AD
MRM of 5 channels,ES-
412.7 > 368.9
1.284e+004



PFOA
pf36k2967 Smooth(Mn,2x1)
R6K210000-618 LCS JJ7QR1AD
MRM of 5 channels,ES-
412.7 > 218.9
1.940e+003



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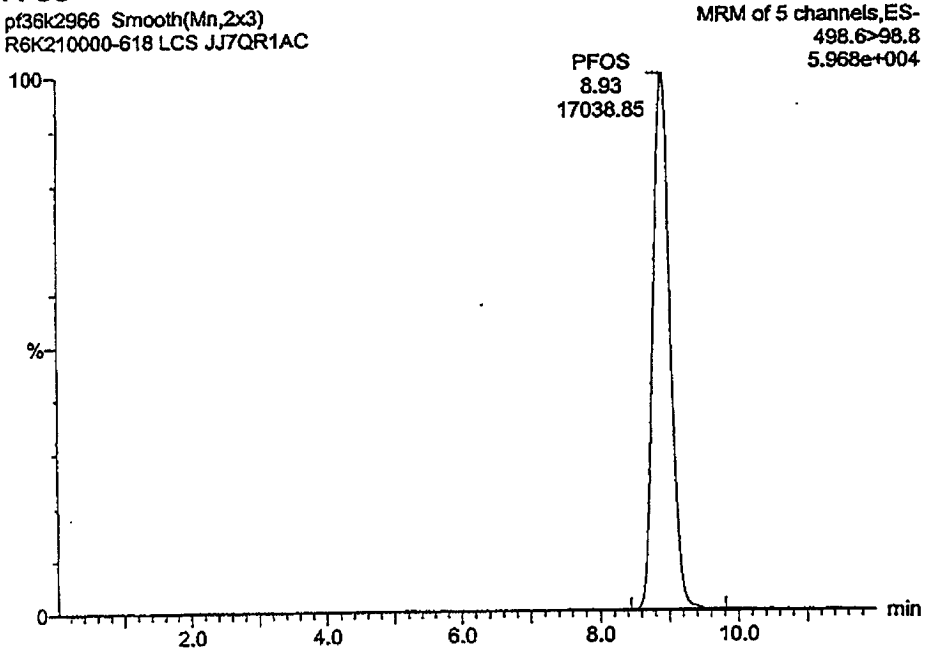
Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2966, Date: 29-Nov-2006, Time: 21:27:30, ID: JJ7QR1AC, Description: R6K210000-618 LCS

PFOS



#	Name	RT	Area	Flags	Ref	Ref Area	%Response	Lower Limit	Upper Limit
1	PFOA	8.08	38589.758	bb	34415.273	3	11.213	0.241	120.6
2	APFO	8.08	38589.758	bb	34415.273	3	11.213	0.251	120.6
3	PFOA 13C2	8.08	34415.273	dd		0	34415.273	10.159	101.6
4	PFOS	8.93	22184.063	bb	34415.273	3	6.446	0.172	85.9

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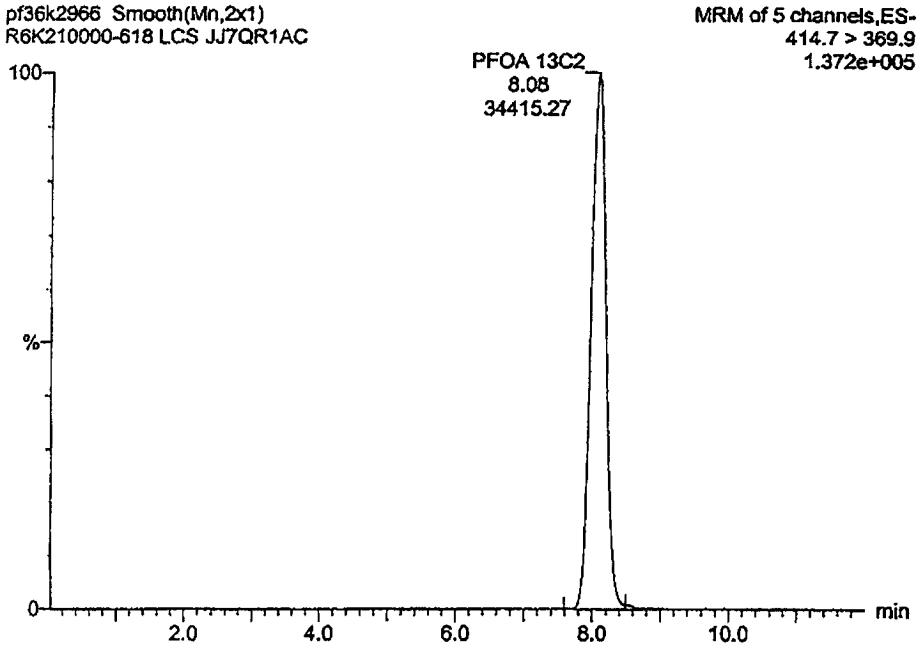
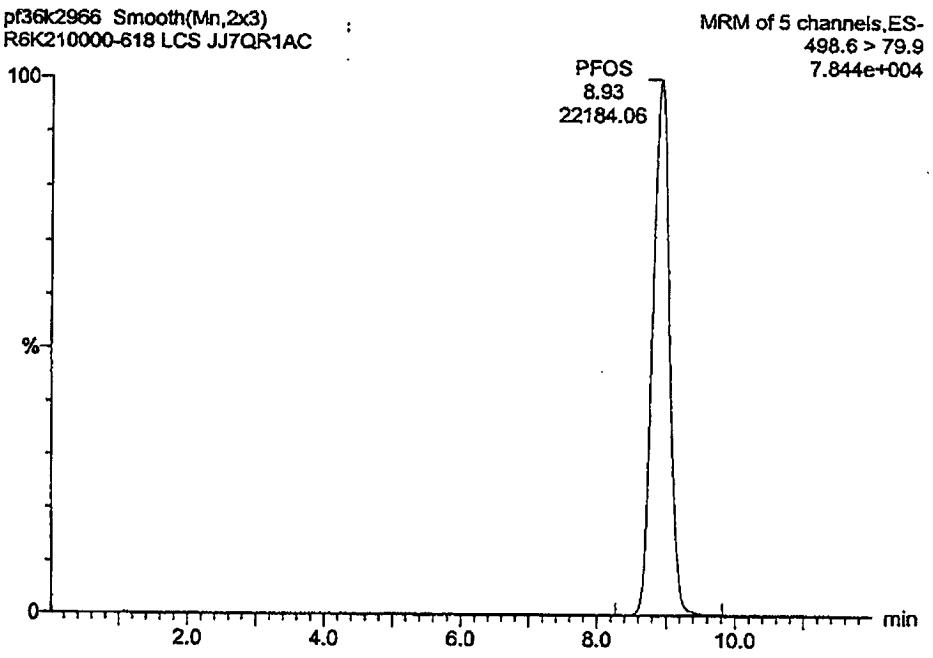
Analyst: Steve Cowling

Name: pf36k2966, Date: 29-Nov-2006, Time: 21:27:30, ID: JJ7QR1AC, Description: R6K210000-618 LCS

PFOA 13C2



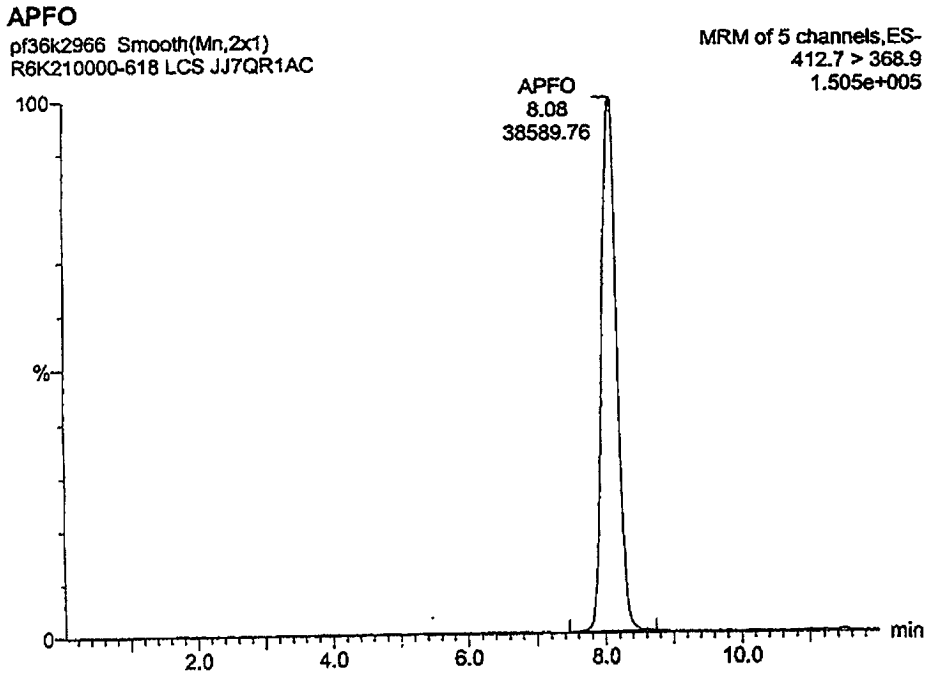
PFOS

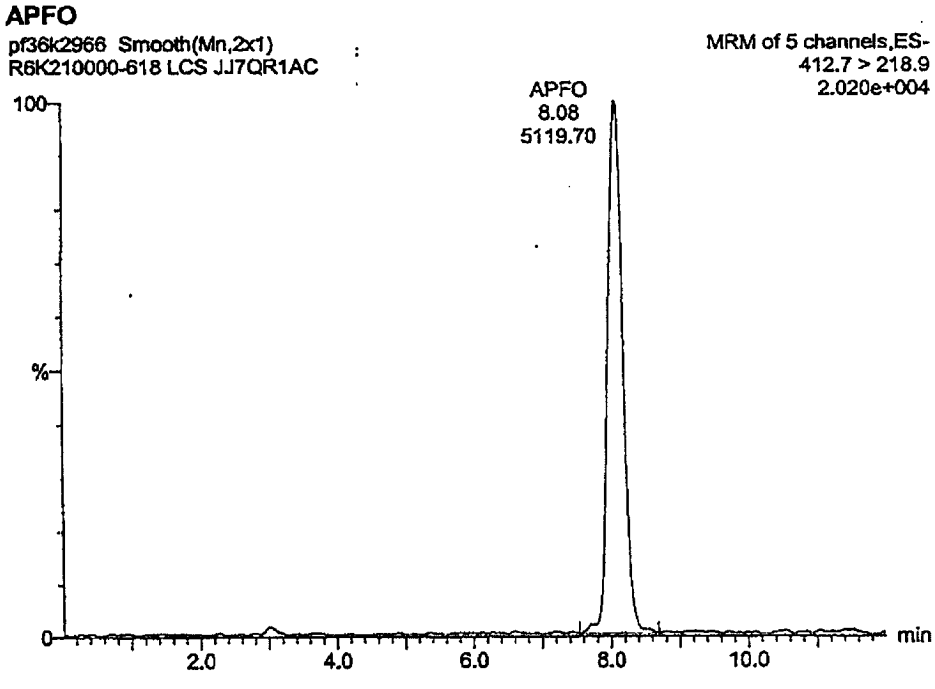


Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2966, Date: 29-Nov-2006, Time: 21:27:30, ID: JJ7QR1AC, Description: R6K210000-618 LCS



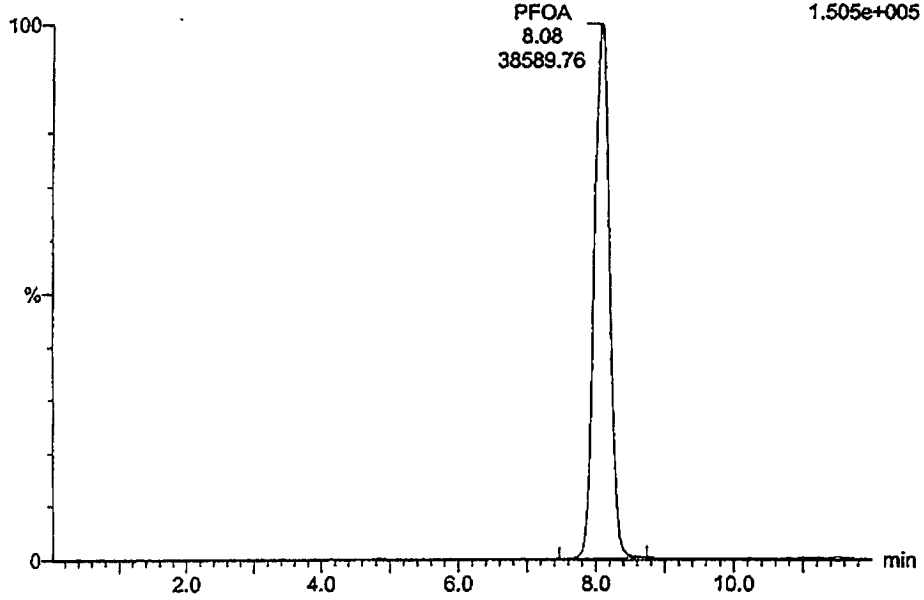


Analyst. Steve Cowling

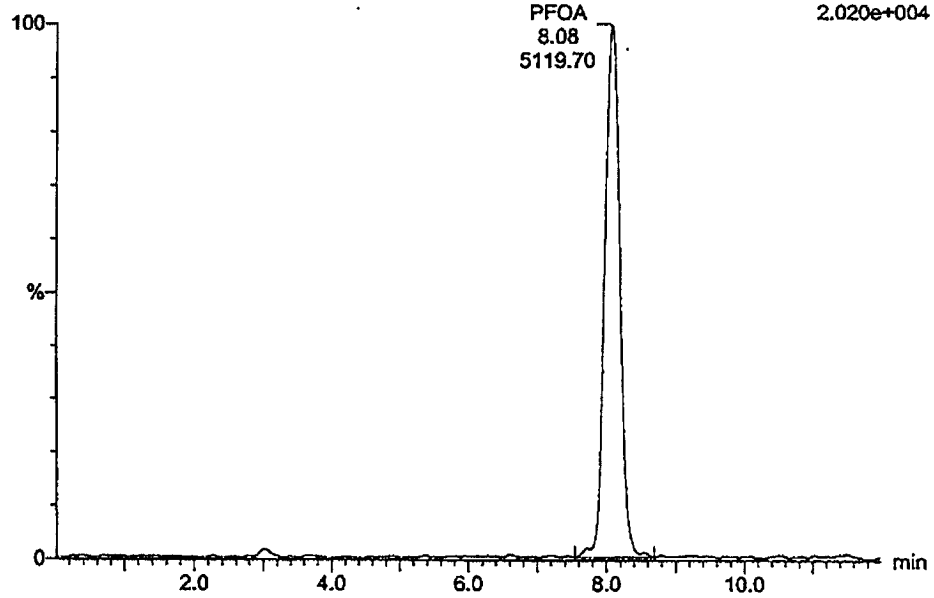
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2966, Date: 29-Nov-2006, Time: 21:27:30, ID: JJ7QR1AC, Description: R6K210000-618 LCS

PFOA



PFOA



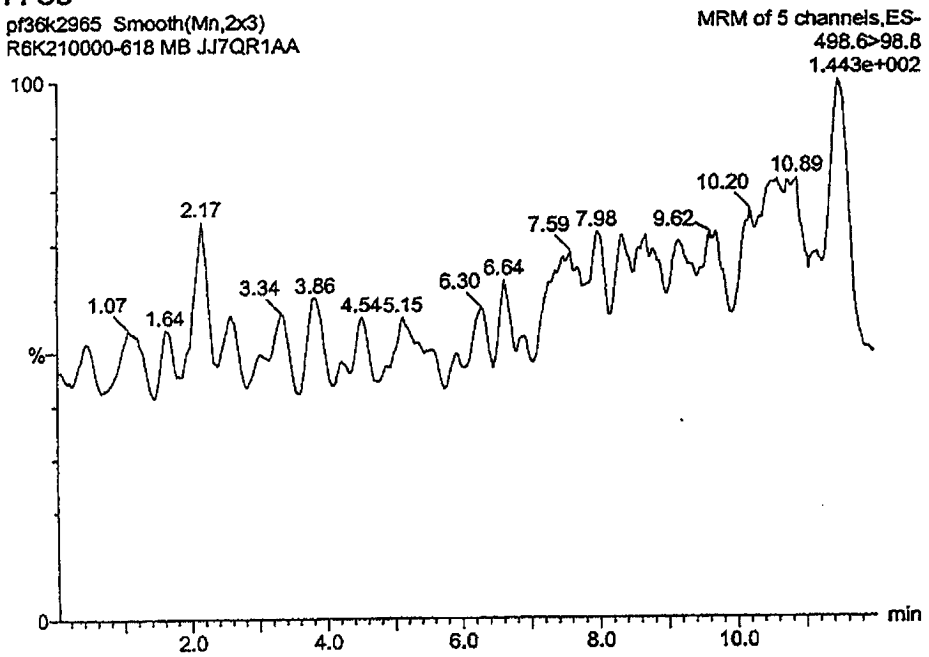
Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**

PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2965, Date: 29-Nov-2006, Time: 21:14:31, ID: JJ7QR1AA, Description: R6K210000-618 MB

PFOS



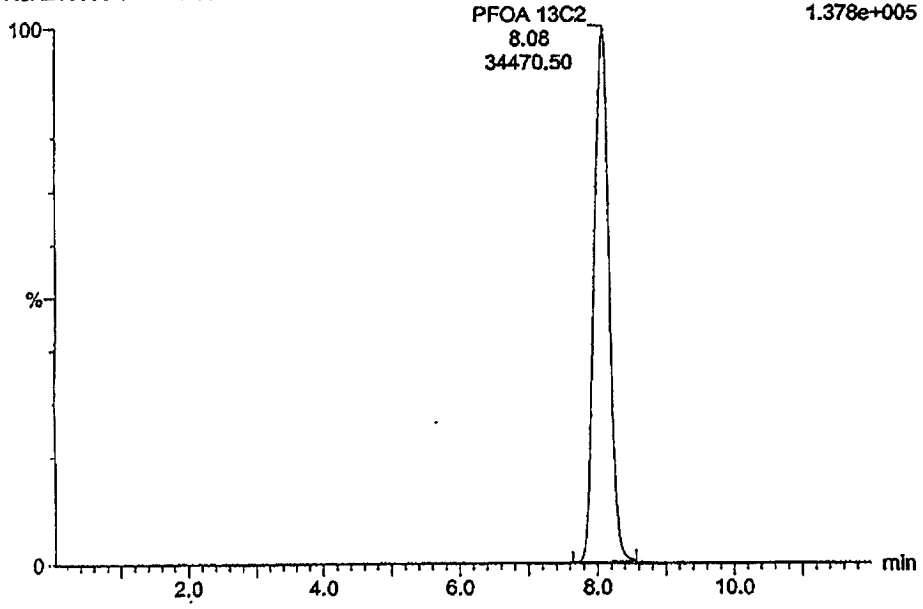
	#	Name	RT	Area	Flags	IS Area	IS#	Response	Conc	RC	Mod Comment	Mod Date	Reviewed
1	1	PFOA	8.13	186.311	bbl	34470.504	3	0.054					
2	2	APFO	8.13	186.311	bbl	34470.504	3	0.054					
3	3	PFOA 13C2	8.08	34470.504	bb		0	34470.504	10.175	101.8			
4	4	PFOS				34470.504	3						

Analyst: Steve Cowling

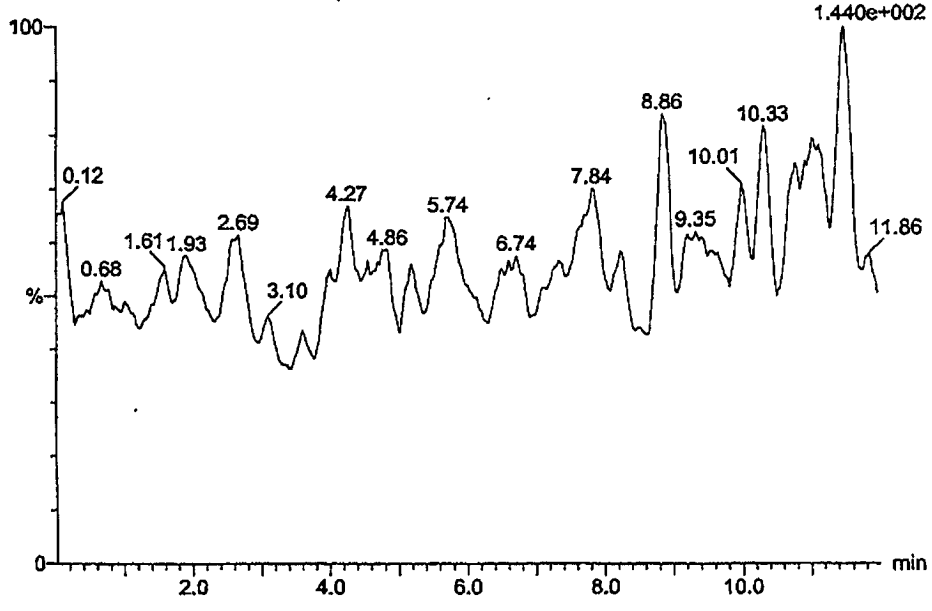
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2965, Date: 29-Nov-2006, Time: 21:14:31, ID: JJ7QR1AA, Description: R6K210000-618 MB

PFOA 13C2



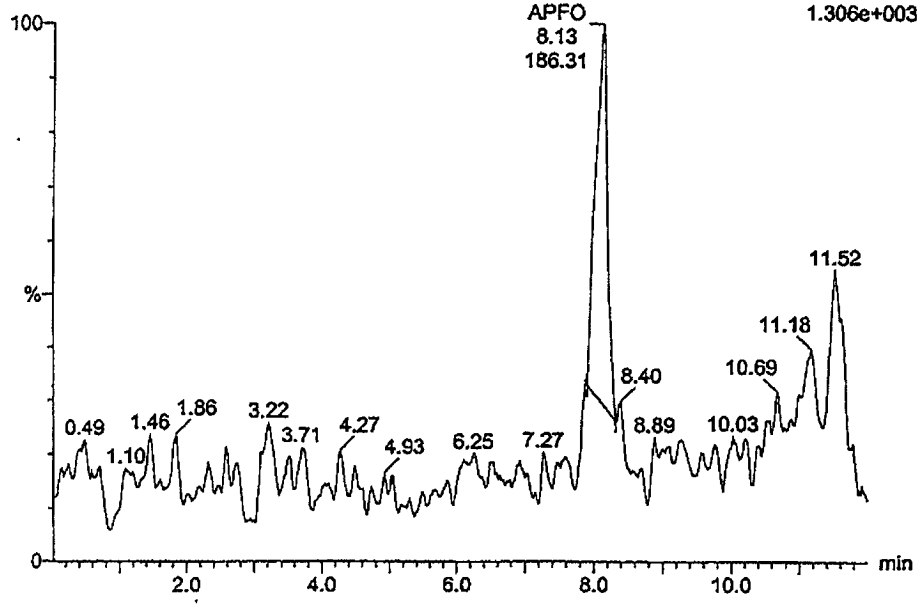
PFOS



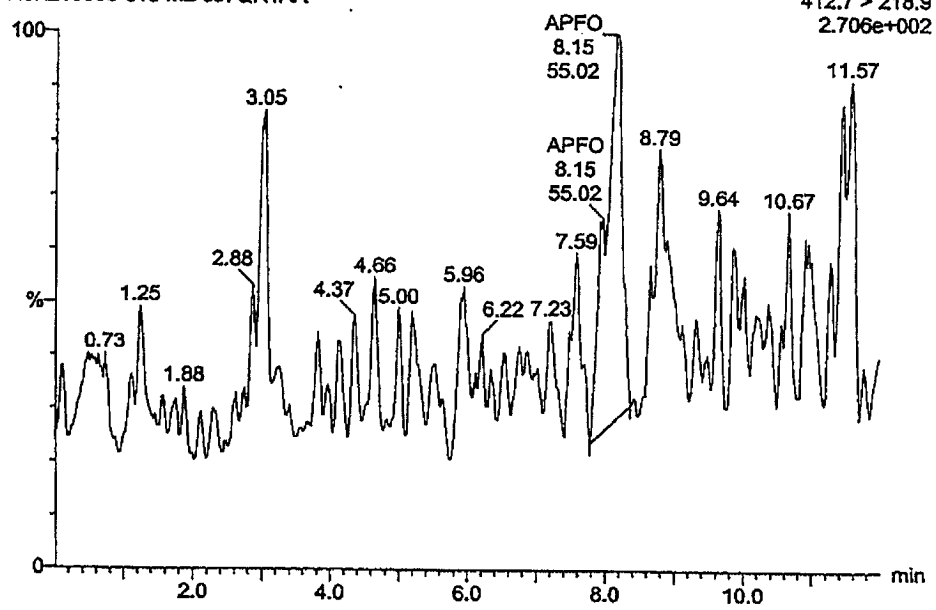
Analyst: Steve Cowling

Name: pf36k2965, Date: 29-Nov-2006, Time: 21:14:31, ID: JJ7QR1AA, Description: R6K210000-618 MB

APFO



APFO

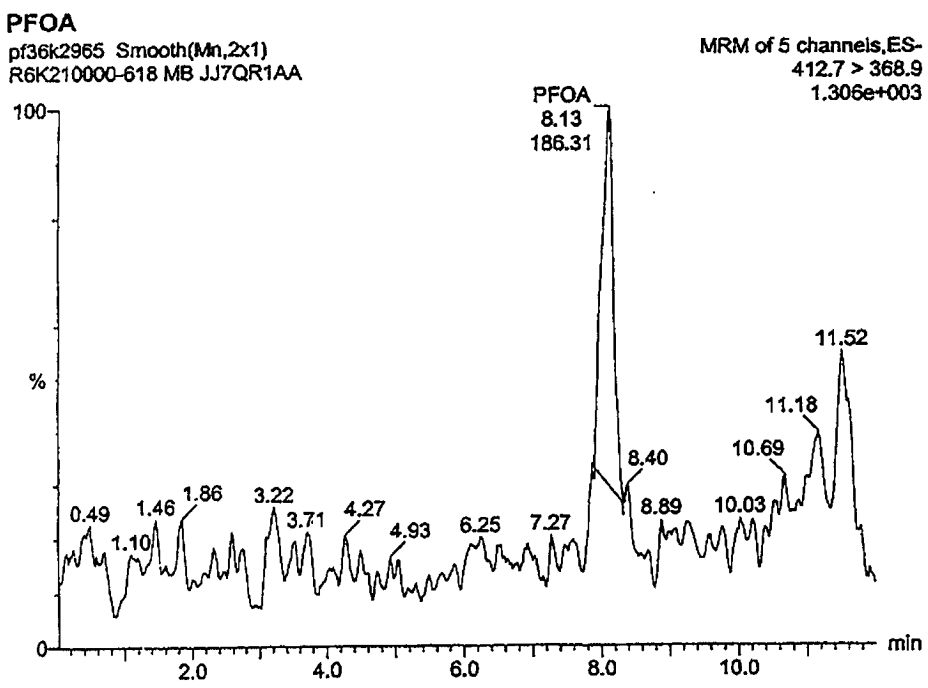


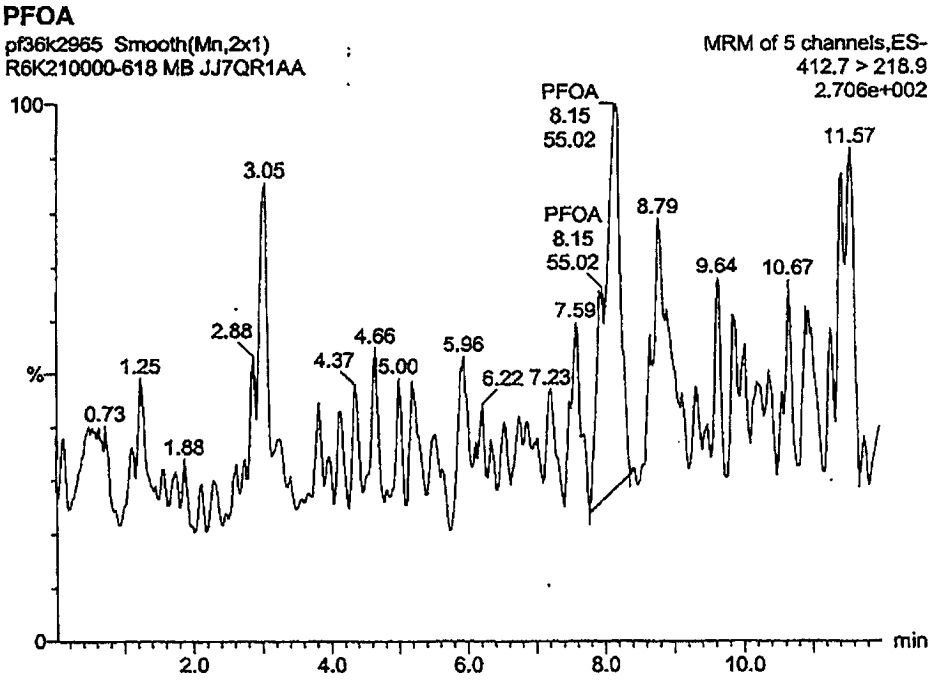
Analyst: Steve Cowling

Quantify Sample Report **MassLynx 4.1**

PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 07:08:01 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:09:11 Mountain Standard Time

Name: pf36k2965, Date: 29-Nov-2006, Time: 21:14:31, ID: JJ7QR1AA, Description: R6K210000-618 MB





Analyst: Steve Cowling

PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 08:00:46 Mountain Standard Time
Printed: Thursday, November 30, 2006 08:04:08 Mountain Standard Time

Compound name: PFOS

	Cal Date	Cal File	Measurement
36	30/Nov/06		
37	30/Nov/06		

Analyst: Steve Cowling

Quantify Compound Summary Report **MassLynx 4.1**

PFOA Analysis

Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld

Last Altered: Thursday, November 30, 2006 08:00:46 Mountain Standard Time

Printed: Thursday, November 30, 2006 08:04:08 Mountain Standard Time

Compound name: PFOS

	Cal Date	Cal Ref	Mod Comment
1	30/Nov/06		
2	30/Nov/06		
3	30/Nov/06		
4	30/Nov/06		
5	30/Nov/06		
6	30/Nov/06		
7	30/Nov/06		
8	30/Nov/06		
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11	30/Nov/06		
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30	30/Nov/06		
31	30/Nov/06		
32	30/Nov/06		
33	30/Nov/06		
34	30/Nov/06		
35	30/Nov/06		

Analyst: Steve Cowling

Quantify Compound Summary Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 08:00:46 Mountain Standard Time
Printed: Thursday, November 30, 2006 08:04:08 Mountain Standard Time

Compound name: PFOS

	Name	ID	SampleText	Type	Std Conc	RT	Area	Flags	Ion Ratio	Flag	IS Area	IS#	Response	Conc	%Rec
32	32 pf36k2985	930.86.3	0.5 µg/L	QC	0.500	9.03	1370.478	bb	1.351	NO	33514.785	3	0.409	0.5270	105.4
33	33 pf36k2986	930.86.4	1 µg/L	QC	1.000	9.03	2753.079	bb	1.355	NO	35184.527	3	0.782	1.0244	102.4
34	34 pf36k2987	930.86.5	2 µg/L	QC	2.000	9.03	5475.385	bb	1.397	NO	32952.016	3	1.662	2.1959	109.8
35	35 pf36k2988	930.86.6	5 µg/L	QC	5.000	9.03	12969.129	bb	1.338	NO	34709.254	3	3.737	4.9658	99.3
36	36 pf36k2989	930.86.7	10 µg/L	QC	10.000	9.06	25785.563	bb	1.363	NO	33222.512	3	7.761	10.3594	103.6
37	37 pf36k2990	930.86.8	20 µg/L	QC	20.000	9.03	51030.070	bb	1.357	NO	32866.145	3	15.527	20.8424	104.2

Analyst: Steve Cowling

Compound name: PFOS
Coefficient of Determination: R^2 = 0.999658
Calibration curve: -0.000346812 * x^2 + 0.751564 * x + 0.0129081
Response type: Internal Std (Ref 3), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	Name	ID	Sample Text	Type	Std Conc	RT	Area	Lab	Ratio	Flag	IS Area	IS	Response	Conc	%Rec
1	pf36k2954	930.86.1	Blank	Blank							35044.391	3			
2	pf36k2955	930.86.2	0.2 µg/L	Standard	0.200	8.86	538.654	bb	1.211	NO	33439.629	3	0.161	0.1972	98.6
3	pf36k2956	930.86.3	0.5 µg/L	Standard	0.500	8.89	1284.654	bb	1.301	NO	33937.699	3	0.379	0.4866	97.3
4	pf36k2957	930.86.4	1 µg/L	Standard	1.000	8.89	2724.531	bb	1.458	NO	35119.074	3	0.776	1.0155	101.6
5	pf36k2958	930.86.5	2 µg/L	Standard	2.000	8.89	5227.391	bb	1.367	NO	32835.023	3	1.592	2.1031	105.2
6	pf36k2959	930.86.6	5 µg/L	Standard	5.000	8.91	12765.787	bb	1.324	NO	35034.535	3	3.644	4.8419	96.8
7	pf36k2960	930.86.7	10 µg/L	Standard	10.000	8.89	24682.434	bb	1.342	NO	32762.703	3	7.534	10.0535	100.5
8	pf36k2961	930.86.8	20 µg/L	Standard	20.000	8.89	50704.246	bb	1.353	NO	34013.551	3	14.907	20.0022	100.0
9	pf36k2962	930.86.1	Blank	Blank		9.35	8.244	bbl			36359.434	3	0.002		
10	pf36k2963	930.86.9	2 µg/L ICV	QC	2.000	8.91	4104.304	bb	1.430	NO	33411.656	3	1.228	1.6185	80.9
11	pf36k2964	930.86.3	0.5 µg/L RLV	QC	0.500	8.91	1292.502	bb	1.337	NO	34345.410	3	0.376	0.4837	96.7
12	pf36k2965	JJ7QR1AA	R6K210000-618 MB	Blank							34470.504	3			
13	pf36k2966	JJ7QR1AC	R6K210000-618 LCS	QC	10.000	8.93	22184.063	bb	1.302	NO	34415.273	3	6.446	0.1719	85.9
14	pf36k2967	JJ7QR1AD	R6K210000-618 LCS	QC	1.000	8.93	1762.663	bb	1.328	NO	34760.438	3	0.507	0.0132	65.8
15	pf36k2968	JJV631AA	D6K160299-1	Analyte		8.93	7477.024	bb	1.647	YES	38538.133	3	1.940	0.0511	
16	pf36k2969	JJV631AC	D6K160299-1 MS	QC	10.000	8.93	27872.289	bb	1.377	NO	38649.508	3	7.212	0.1924	96.2
17	pf36k2970	JJV631AD	D6K160299-1 DUP	Analyte		8.93	7856.674	bb	1.648	YES	38088.262	3	2.063	0.0546	
18	pf36k2971	JJV671AA	D6K160299-2	Analyte		8.93	7436.145	bb	1.647	YES	39473.387	3	1.884	0.0489	
19	pf36k2972	JJV691AA	D6K160299-3	Analyte		8.93	17074.643	bb	1.595	NO	38915.801	3	4.388	0.1153	
20	pf36k2973	JJV7C1AA	D6K160299-4	Analyte							39116.750	3			
21	pf36k2974	930.86.6	5 µg/L CCV	QC	5.000	8.96	13354.931	bb	1.366	NO	36178.738	3	3.691	4.9055	98.1
22	pf36k2975	JJV7E1AA	D6K160299-5	Analyte		8.96	7375.658	bb	1.522	NO	39494.617	3	1.868	0.0479	
23	pf36k2976	JJV7F1AA	D6K160299-6	Analyte		8.96	8043.850	bb	1.610	NO	40320.957	3	1.995	0.0512	
24	pf36k2977	JJV7G1AA	D6K160299-7	Analyte		8.96	10357.889	bb	1.587	NO	40399.027	3	2.564	0.0675	
25	pf36k2978	JJV7H1AA	D6K160299-8	Analyte		8.96	4351.452	bb	1.518	NO	40178.684	3	1.083	0.0284	
26	pf36k2979	JJV7X1AA	D6K160304-1	Analyte		8.84	632.523	bb	1.672	YES	27003.035	3	0.234	0.0058	
27	pf36k2980	JJV751AA	D6K160304-2	Analyte		9.01	207.217	bb	1.429	NO	37522.980	3	0.055	0.0011	
28	pf36k2981	JJV791AA	D6K160304-3	Analyte							34410.773	3			
29	pf36k2982	JJV8E1AA	D6K160304-4	Analyte		8.98	703.425	bb	1.469	NO	33609.238	3	0.209	0.0051	
30	pf36k2983	930.86.1	Blank	Blank							37380.000	3			
31	pf36k2984	930.86.2	0.2 µg/L	QC	0.200	9.03	553.135	bb	1.343	NO	33395.363	3	0.166	0.2032	101.6

Analyst: Steve Cowling

Quantify Compound Summary Report **MassLynx 4.1**

PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 08:00:46 Mountain Standard Time
Printed: Thursday, November 30, 2006 08:04:08 Mountain Standard Time

Compound name: PFOA 13C2

	Cal Date	Cal File	Modification
SS	30/Nov/06		
	30/Nov/06		

Analyst: Steve Cowling

Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 08:00:46 Mountain Standard Time
Printed: Thursday, November 30, 2006 08:04:08 Mountain Standard Time

Compound name: PFOA 13C2

	Cal Date	Cal Time	Mod Comment
1	30/Nov/06		
2	30/Nov/06		
3	30/Nov/06		
4	30/Nov/06		
5	30/Nov/06		
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31	30/Nov/06		
32	30/Nov/06		
33	30/Nov/06		
34	30/Nov/06		
35	30/Nov/06		

Analyst: Steve Cowling

Quantify Compound Summary Report **MassLynx 4.1**

PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 08:00:46 Mountain Standard Time
Printed: Thursday, November 30, 2006 08:04:08 Mountain Standard Time

Compound name: PFOA 13C2

	#	Name	ID	Sample Text	Type	Std Conc	RT	Area	Flags	Ion Ratio	Flag	IS Area	IS Response	Conc	%Rec
32	32	pf36k2985	930.86.3	0.5 µg/L	QC	10.000	8.15	33514.785	bb			0	33514.785	9.8929	98.9
33	33	pf36k2986	930.86.4	1 µg/L	QC	10.000	8.15	35184.527	bd			0	35184.527	10.3858	103.9
34	34	pf36k2987	930.86.5	2 µg/L	QC	10.000	8.18	32952.016	bb			0	32952.016	9.7268	97.3
35	35	pf36k2988	930.86.6	5 µg/L	QC	10.000	8.18	34709.254	bb			0	34709.254	10.2455	102.5
36	36	pf36k2989	930.86.7	10 µg/L	QC	10.000	8.18	33222.512	bb			0	33222.512	9.8067	98.1
37	37	pf36k2990	930.86.8	20 µg/L	QC	10.000	8.18	32866.145	bb			0	32866.145	9.7015	97.0

Analyst: Steve Cowling

Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 08:00:46 Mountain Standard Time
Printed: Thursday, November 30, 2006 08:04:08 Mountain Standard Time

Compound name: PFOA 13C2
Response Factor: 3387.75
RRF SD: 95.0757, Relative SD: 2.80646
Response type: External Std, Area
Curve type: RF

#	Name	Id	Sample Text	Type	Std Conc	RT	Area	Flags	IS Area	IS Response	IS RT	%Rec
1	pf36k2954	930.86.1	Blank	Blank	10.000	8.03	35044.391	bb	0	35044.391	10.3445	103.4
2	pf36k2955	930.86.2	0.2 µg/L	Standard	10.000	8.03	33439.629	bb	0	33439.629	9.8708	98.7
3	pf36k2956	930.86.3	0.5 µg/L	Standard	10.000	8.03	33937.699	bb	0	33937.699	10.0178	100.2
4	pf36k2957	930.86.4	1 µg/L	Standard	10.000	8.03	35119.074	bb	0	35119.074	10.3665	103.7
5	pf36k2958	930.86.5	2 µg/L	Standard	10.000	8.06	32835.023	bb	0	32835.023	9.6923	96.9
6	pf36k2959	930.86.6	5 µg/L	Standard	10.000	8.06	35034.535	bb	0	35034.535	10.3415	103.4
7	pf36k2960	930.86.7	10 µg/L	Standard	10.000	8.06	32762.703	bb	0	32762.703	9.6709	96.7
8	pf36k2961	930.86.8	20 µg/L	Standard	10.000	8.06	34013.551	bb	0	34013.551	10.0402	100.4
9	pf36k2962	930.86.1	Blank	Blank	10.000	8.06	36359.434	bb	0	36359.434	10.7326	107.3
10	pf36k2963	930.86.9	2 µg/L ICV	QC	10.000	8.06	33411.656	bb	0	33411.656	9.8625	98.6
11	pf36k2964	930.86.3	0.5 µg/L RLV	QC	10.000	8.06	34345.410	bb	0	34345.410	10.1381	101.4
12	pf36k2965	JJ7QR1AA	R6K210000-618 MB	Blank	10.000	8.08	34470.504	bb	0	34470.504	10.1751	101.8
13	pf36k2966	JJ7QR1AC	R6K210000-618 LCS	QC	10.000	8.08	34415.273	dd	0	34415.273	10.1588	101.6
14	pf36k2967	JJ7QR1AD	R6K210000-618 LCS	QC	10.000	8.08	34760.438	bb	0	34760.438	10.2606	102.6
15	pf36k2968	JJV631AA	D6K160299-1	Analyte	10.000	8.13	38538.133	bb	0	38538.133	11.3757	113.8
16	pf36k2969	JJV631AC	D6K160299-1 MS	QC	10.000	8.13	38649.508	bb	0	38649.508	11.4086	114.1
17	pf36k2970	JJV631AD	D6K160299-1 DUP	Analyte	10.000	8.10	38088.262	bb	0	38088.262	11.2430	112.4
18	pf36k2971	JJV671AA	D6K160299-2	Analyte	10.000	8.13	39473.387	bb	0	39473.387	11.6518	116.5
19	pf36k2972	JJV691AA	D6K160299-3	Analyte	10.000	8.13	38915.801	bb	0	38915.801	11.4872	114.9
20	pf36k2973	JJV7C1AA	D6K160299-4	Analyte	10.000	8.15	39116.750	bb	0	39116.750	11.5465	115.5
21	pf36k2974	930.86.6	5 µg/L CCV	QC	10.000	8.10	36178.738	bb	0	36178.738	10.6793	106.8
22	pf36k2975	JJV7E1AA	D6K160299-5	Analyte	10.000	8.15	39494.617	bb	0	39494.617	11.6581	116.6
23	pf36k2976	JJV7F1AA	D6K160299-6	Analyte	10.000	8.15	40320.957	bb	0	40320.957	11.9020	119.0
24	pf36k2977	JJV7G1AA	D6K160299-7	Analyte	10.000	8.13	40399.027	bb	0	40399.027	11.9250	119.3
25	pf36k2978	JJV7H1AA	D6K160299-8	Analyte	10.000	8.15	40178.684	bb	0	40178.684	11.8600	118.6
26	pf36k2979	JJV7X1AA	D6K160304-1	Analyte	10.000	7.93	27003.035	bb	0	27003.035	7.9708	79.7
27	pf36k2980	JJV751AA	D6K160304-2	Analyte	10.000	8.15	37522.980	bb	0	37522.980	11.0761	110.8
28	pf36k2981	JJV791AA	D6K160304-3	Analyte	10.000	8.15	34410.773	bb	0	34410.773	10.1574	101.6
29	pf36k2982	JJV8E1AA	D6K160304-4	Analyte	10.000	8.13	33609.238	bb	0	33609.238	9.9208	99.2
30	pf36k2983	930.86.1	Blank	Blank	10.000	8.15	37380.000	bd	0	37380.000	11.0339	110.3
31	pf36k2984	930.86.2	0.2 µg/L	QC	10.000	8.18	33395.363	bb	0	33395.363	9.8577	98.6

Analyst: Steve Cowling

Quantify Compound Summary Report **MassLynx 4.1**

PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 08:00:46 Mountain Standard Time
Printed: Thursday, November 30, 2006 08:04:08 Mountain Standard Time

Compound name: APFO

	[redacted]	CalDate	CalFile	MeoComment
36	[redacted]	30/Nov/06		
37	[redacted]	30/Nov/06		

Analyst: Steve Cowling

PFOA Analysis
Dataset: C:\MassLynx\PFOA_PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 08:00:46 Mountain Standard Time
Printed: Thursday, November 30, 2006 08:04:08 Mountain Standard Time

Compound name: APFO

	Cal Date	Cal File	Mod Comment
1	30/Nov/06		
2	30/Nov/06		
3	30/Nov/06		
4	30/Nov/06		
5	30/Nov/06		
6	30/Nov/06		
7	30/Nov/06		
8	30/Nov/06		
9	30/Nov/06		
10	30/Nov/06		
11	30/Nov/06		
12	30/Nov/06		
13	30/Nov/06		
14	30/Nov/06		
15	30/Nov/06		
16	30/Nov/06		
17	30/Nov/06		
18	30/Nov/06		
19	30/Nov/06		
20	30/Nov/06		
21	30/Nov/06		
22	30/Nov/06		
23	30/Nov/06		
24	30/Nov/06		starts late
25	30/Nov/06		
26	30/Nov/06		
27	30/Nov/06		
28	30/Nov/06		
29	30/Nov/06		
30	30/Nov/06		
31	30/Nov/06		
32	30/Nov/06		
33	30/Nov/06		
34	30/Nov/06		
35	30/Nov/06		

Analyst: Steve Cowling

Quantify Compound Summary Report **MassLynx 4.1**

PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 08:00:46 Mountain Standard Time
Printed: Thursday, November 30, 2006 08:04:08 Mountain Standard Time

Compound name: APFO

	#	Name	ID	Sample Text	Type	Std Conc	RT	Area	Flags	Ion Ratio	Flag	IS Area	Lvl	Response	Conc	%Reg
32	32	pf36k2985	930.86.3	0.5 µg/L	QC	0.520	8.15	1726.087	bb	8.064	NO	33514.785	3	0.515	0.4916	94.5
33	33	pf36k2986	930.86.4	1 µg/L	QC	1.041	8.18	3403.384	bb	8.872	NO	35184.527	3	0.967	1.0001	96.1
34	34	pf36k2987	930.86.5	2 µg/L	QC	2.082	8.18	6791.868	bb	7.949	NO	32952.016	3	2.061	2.2304	107.1
35	35	pf36k2988	930.86.6	5 µg/L	QC	5.205	8.18	15540.666	bb	7.440	NO	34709.254	3	4.477	4.9507	95.1
36	36	pf36k2989	930.86.7	10 µg/L	QC	10.411	8.18	30274.820	bb	7.569	NO	33222.512	3	9.113	10.1801	97.8
37	37	pf36k2990	930.86.8	20 µg/L	QC	20.821	8.18	60245.313	bb	7.562	NO	32866.145	3	18.331	20.6208	99.0

Analyst: Steve Cowling

PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 08:00:46 Mountain Standard Time
Printed: Thursday, November 30, 2006 08:04:08 Mountain Standard Time

Compound name: APFO
Coefficient of Determination: R^2 = 0.999249
Calibration curve: -0.000226201 * x^2 + 0.889835 * x + 0.0776092
Response type: Internal Std (Ref 3), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	ID	Sample Desc	Type	Std. Conc.	RT	Peak Area	Flags	Tot Ratio	Flag	IS Area	Sr	Response	Conc	%Rec
1	1	pf36k2954	930.86.1	Blank	Blank		7.98	230.467	bbl	8.664	NO	35044.391	3	0.066		
2	2	pf36k2955	930.86.2	0.2 µg/L	Standard	0.208	8.03	866.860	bb	6.612	NO	33439.629	3	0.259	0.2041	98.1
3	3	pf36k2956	930.86.3	0.5 µg/L	Standard	0.520	8.03	1919.961	bb	8.197	NO	33937.699	3	0.566	0.5486	105.5
4	4	pf36k2957	930.86.4	1 µg/L	Standard	1.041	8.03	3234.157	db	6.059	YES	35119.074	3	0.921	0.9479	91.1
5	5	pf36k2958	930.86.5	2 µg/L	Standard	2.082	8.06	6788.372	bb	8.466	NO	32835.023	3	2.067	2.2374	107.5
6	6	pf36k2959	930.86.6	5 µg/L	Standard	5.205	8.06	16036.770	bb	7.675	NO	35034.535	3	4.577	5.0634	97.3
7	7	pf36k2960	930.86.7	10 µg/L	Standard	10.411	8.06	30703.297	bd	7.704	NO	32762.703	3	9.371	10.4723	100.6
8	8	pf36k2961	930.86.8	20 µg/L	Standard	20.821	8.06	62927.840	bb	7.849	NO	34013.551	3	18.501	20.8142	100.0
9	9	pf36k2962	930.86.1	Blank	Blank		8.08	236.178	bbl	7.952	NO	36359.434	3	0.065		
10	10	pf36k2963	930.86.9	2 µg/L ICV	QC	2.082	8.06	6110.953	db	7.823	NO	33411.656	3	1.829	1.9692	94.6
11	11	pf36k2964	930.86.3	0.5 µg/L RLV	QC	0.520	8.08	1864.180	bb	7.831	NO	34345.410	3	0.543	0.5228	100.5
12	12	pf36k2965	JJ7QR1AA	R6K210000-618 MB	Blank		8.13	186.311	bbl	3.386	YES	34470.504	3	0.054		
13	13	pf36k2966	JJ7QR1AC	R6K210000-618 LCS	QC	10.411	8.08	38589.758	bb	7.537	NO	34415.273	3	11.213	0.2511	120.6
14	14	pf36k2967	JJ7QR1AD	R6K210000-618 LCS	QC	1.041	8.08	3245.832	bb	7.691	NO	34760.438	3	0.934	0.0192	92.4
15	15	pf36k2968	JJV631AA	D6K160299-1	Analyte		8.13	3878.344	bb	8.516	NO	38538.133	3	1.006	0.0208	
16	16	pf36k2969	JJV631AC	D6K160299-1 MS	QC	10.411	8.13	43661.070	bb	7.649	NO	38649.508	3	11.297	0.2530	121.5
17	17	pf36k2970	JJV631AD	D6K160299-1 DUP	Analyte		8.13	3577.006	bb	7.191	NO	38088.262	3	0.939	0.0194	
18	18	pf36k2971	JJV671AA	D6K160299-2	Analyte		8.13	4044.266	bb	8.776	NO	39473.387	3	1.025	0.0209	
19	19	pf36k2972	JJV691AA	D6K160299-3	Analyte		8.15	6841.614	bb	7.895	NO	38915.801	3	1.758	0.0373	
20	20	pf36k2973	JJV7C1AA	D6K160299-4	Analyte		8.08	420.132	bb	6.123	YES	39116.750	3	0.107	0.0007	
21	21	pf36k2974	930.86.6	5 µg/L CCV	QC	5.205	8.10	15930.181	bb	7.770	NO	36178.738	3	4.403	4.8671	93.5
22	22	pf36k2975	JJV7E1AA	D6K160299-5	Analyte		8.18	3618.455	bd	6.932	NO	39494.617	3	0.916	0.0183	
23	23	pf36k2976	JJV7F1AA	D6K160299-6	Analyte		8.15	3425.200	bb	9.105	NO	40320.957	3	0.849	0.0168	
24	24	pf36k2977	JJV7G1AA	D6K160299-7	Analyte		8.15	5688.496	bb	7.642	NO	40399.027	3	1.408	0.0297	
25	25	pf36k2978	JJV7H1AA	D6K160299-8	Analyte		8.15	3029.045	bb	8.721	NO	40178.684	3	0.754	0.0151	
26	26	pf36k2979	JJV7X1AA	D6K160304-1	Analyte		7.93	7858.163	bb	8.659	NO	27003.035	3	2.910	0.0627	
27	27	pf36k2980	JJV751AA	D6K160304-2	Analyte		8.13	4967.577	bb	8.142	NO	37522.980	3	1.324	0.0276	
28	28	pf36k2981	JJV791AA	D6K160304-3	Analyte		8.18	943.854	bb	8.412	NO	34410.773	3	0.274	0.0044	
29	29	pf36k2982	JJV8E1AA	D6K160304-4	Analyte		8.13	9273.520	bb	8.850	NO	33609.238	3	2.759	0.0589	
30	30	pf36k2983	930.86.1	Blank	Blank		8.15	258.814	bbl	17.957	YES	37380.000	3	0.069		
31	31	pf36k2984	930.86.2	0.2 µg/L	QC	0.208	8.18	873.683	bb	7.024	NO	33395.363	3	0.262	0.2068	99.4

Analyst: Steve Cowling

Quantify Compound Summary Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 08:00:46 Mountain Standard Time
Printed: Thursday, November 30, 2006 08:04:08 Mountain Standard Time

Compound name: PFOA

	CalDate	CalFile	ModComment
[redacted]	30/Nov/06		
[redacted]	30/Nov/06		

Analyst: Steve Cowling

Quantify Compound Summary Report **MassLynx 4.1**

PFOA Analysis

Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld

Last Altered: Thursday, November 30, 2006 08:00:46 Mountain Standard Time

Printed: Thursday, November 30, 2006 08:04:08 Mountain Standard Time

Compound name: PFOA

	Sa	Date	Cal File	Mod	Comment
1		30/Nov/06			
2		30/Nov/06			
3		30/Nov/06			
4		30/Nov/06			
5		30/Nov/06			
6		30/Nov/06			
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11		30/Nov/06			
12		30/Nov/06			
13		30/Nov/06			
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20		30/Nov/06			
21		30/Nov/06			
22		30/Nov/06			
23		30/Nov/06			
24		30/Nov/06			starts late
25		30/Nov/06			
26		30/Nov/06			
27		30/Nov/06			
28		30/Nov/06			
29		30/Nov/06			
30		30/Nov/06			
31		30/Nov/06			
32		30/Nov/06			
33		30/Nov/06			
34		30/Nov/06			
35		30/Nov/06			

Analyst: Steve Cowling

Compound name: PFOA

	Name	ID	Sample Text	Type	Std Conc	RT	Area	Flags	Ion Ratio	Flag	IS Area	IS	Response	Conc	% Rec
29	29 pf36k2982	JJV8E1AA	D6K160304-4	Analyte		8.13	9273.520	bb	8.850	NO	33609.238	3	2.759	0.0566	
30	30 pf36k2983	930.86.1	Blank	Blank		8.15	258.814	bbl	17.957	YES	37380.000	3	0.069		
31	31 pf36k2984	930.86.2	0.2 µg/L	QC	0.200	8.18	873.683	bb	7.024	NO	33395.363	3	0.262	0.1989	99.5
32	32 pf36k2985	930.86.3	0.5 µg/L	QC	0.500	8.15	1726.087	bb	8.064	NO	33514.785	3	0.515	0.4725	94.5
33	33 pf36k2986	930.86.4	1 µg/L	QC	1.000	8.18	3403.384	bb	8.872	NO	35184.527	3	0.967	0.9609	96.1
34	34 pf36k2987	930.86.5	2 µg/L	QC	2.000	8.18	6791.868	bb	7.949	NO	32952.016	3	2.061	2.1426	107.1
35	35 pf36k2988	930.86.6	5 µg/L	QC	5.000	8.18	15540.666	bb	7.440	NO	34709.254	3	4.477	4.7555	95.1
36	36 pf36k2989	930.86.7	10 µg/L	QC	10.000	8.18	30274.820	bb	7.569	NO	33222.512	3	9.113	9.7785	97.8
37	37 pf36k2990	930.86.8	20 µg/L	QC	20.000	8.18	60245.313	bb	7.562	NO	32866.145	3	18.331	19.8076	99.0

Analyst: Steve Cowling

PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292s.qld
Last Altered: Thursday, November 30, 2006 08:00:46 Mountain Standard Time
Printed: Thursday, November 30, 2006 08:04:08 Mountain Standard Time

Method: C:\MassLynx\PFOA.PRO\MethDB\pa36k29s.mdb 30 Nov 2006 06:57:57
Calibration: 30 Nov 2006 07:08:01

Compound name: PFOA
Coefficient of Determination: R^2 = 0.999251
Calibration curve: -0.000247718 * x^2 + 0.926432 * x + 0.0773411
Response type: Internal Std (Ref 3), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	ID	Sample Text	Type	Std Conc	RT	Area	Flags	Ion Ratio	Resp	IS Area	IS #	Rel Resp	Conc	%R
1	1	pf36k2954	930.86.1	Blank	Blank		7.98	230.467	bbl	8.664	NO	35044.391	3	0.066		
2	2	pf36k2955	930.86.2	0.2 µg/L	Standard	0.200	8.03	866.860	bb	6.612	NO	33439.629	3	0.259	0.1963	98.2
3	3	pf36k2956	930.86.3	0.5 µg/L	Standard	0.500	8.03	1919.961	bb	8.197	NO	33937.699	3	0.566	0.5272	105.4
4	4	pf36k2957	930.86.4	1 µg/L	Standard	1.000	8.03	3234.157	db	6.059	YES	35119.074	3	0.921	0.9108	91.1
5	5	pf36k2958	930.86.5	2 µg/L	Standard	2.000	8.06	6788.372	bb	8.466	NO	32835.023	3	2.067	2.1493	107.5
6	6	pf36k2959	930.86.6	5 µg/L	Standard	5.000	8.06	16036.770	bb	7.675	NO	35034.535	3	4.577	4.8638	97.3
7	7	pf36k2960	930.86.7	10 µg/L	Standard	10.000	8.06	30703.297	bd	7.704	NO	32762.703	3	9.371	10.0592	100.6
8	8	pf36k2961	930.86.8	20 µg/L	Standard	20.000	8.06	62927.840	bb	7.849	NO	34013.551	3	18.501	19.9934	100.0
9	9	pf36k2962	930.86.1	Blank	Blank		8.08	236.178	bbl	7.952	NO	36359.434	3	0.065		
10	10	pf36k2963	930.86.9	2 µg/L ICV	QC	2.000	8.06	6110.953	db	7.823	NO	33411.656	3	1.829	1.8917	94.6
11	11	pf36k2964	930.86.3	0.5 µg/L RLV	QC	0.500	8.08	1864.180	bb	7.831	NO	34345.410	3	0.543	0.5025	100.5
12	12	pf36k2965	JJ7QR1AA	R6K210000-618 MB	Blank		8.13	186.311	bbl	3.386	YES	34470.504	3	0.054		
13	13	pf36k2966	JJ7QR1AC	R6K210000-618 LCS	QC	10.000	8.08	38589.758	bb	7.537	NO	34415.273	3	11.213	0.2412	120.6
14	14	pf36k2967	JJ7QR1AD	R6K210000-618 LCS	QC	1.000	8.08	3245.832	bb	7.691	NO	34760.438	3	0.934	0.0185	92.5
15	15	pf36k2968	JJV631AA	D6K160299-1	Analyte		8.13	3878.344	bb	8.516	NO	38538.133	3	1.006	0.0200	
16	16	pf36k2969	JJV631AC	D6K160299-1 MS	QC	10.000	8.13	43661.070	bb	7.649	NO	38649.508	3	11.297	0.2430	121.5
17	17	pf36k2970	JJV631AD	D6K160299-1 DUP	Analyte		8.13	3577.006	bb	7.191	NO	38088.262	3	0.939	0.0186	
18	18	pf36k2971	JJV671AA	D6K160299-2	Analyte		8.13	4044.266	bb	8.776	NO	39473.387	3	1.025	0.0201	
19	19	pf36k2972	JJV691AA	D6K160299-3	Analyte		8.15	6841.614	bb	7.895	NO	38915.801	3	1.758	0.0359	
20	20	pf36k2973	JJV7C1AA	D6K160299-4	Analyte		8.08	420.132	bb	6.123	YES	39116.750	3	0.107	0.0006	
21	21	pf36k2974	930.86.6	5 µg/L CCV	QC	5.000	8.10	15930.181	bb	7.770	NO	36178.738	3	4.403	4.6752	93.5
22	22	pf36k2975	JJV7E1AA	D6K160299-5	Analyte		8.18	3618.455	bd	6.932	NO	39494.617	3	0.916	0.0176	
23	23	pf36k2976	JJV7F1AA	D6K160299-6	Analyte		8.15	3425.200	bb	9.105	NO	40320.957	3	0.849	0.0162	
24	24	pf36k2977	JJV7G1AA	D6K160299-7	Analyte		8.15	5688.496	bb	7.440	NO	40399.027	3	1.408	0.0285	
25	25	pf36k2978	JJV7H1AA	D6K160299-8	Analyte		8.15	3029.045	bb	8.721	NO	40178.684	3	0.754	0.0146	
26	26	pf36k2979	JJV7X1AA	D6K160304-1	Analyte		7.93	7858.163	bb	8.659	NO	27003.035	3	2.910	0.0602	
27	27	pf36k2980	JJV751AA	D6K160304-2	Analyte		8.13	4967.577	bb	8.142	NO	37522.980	3	1.324	0.0265	
28	28	pf36k2981	JJV791AA	D6K160304-3	Analyte		8.18	943.854	bb	8.412	NO	34410.773	3	0.274	0.0043	

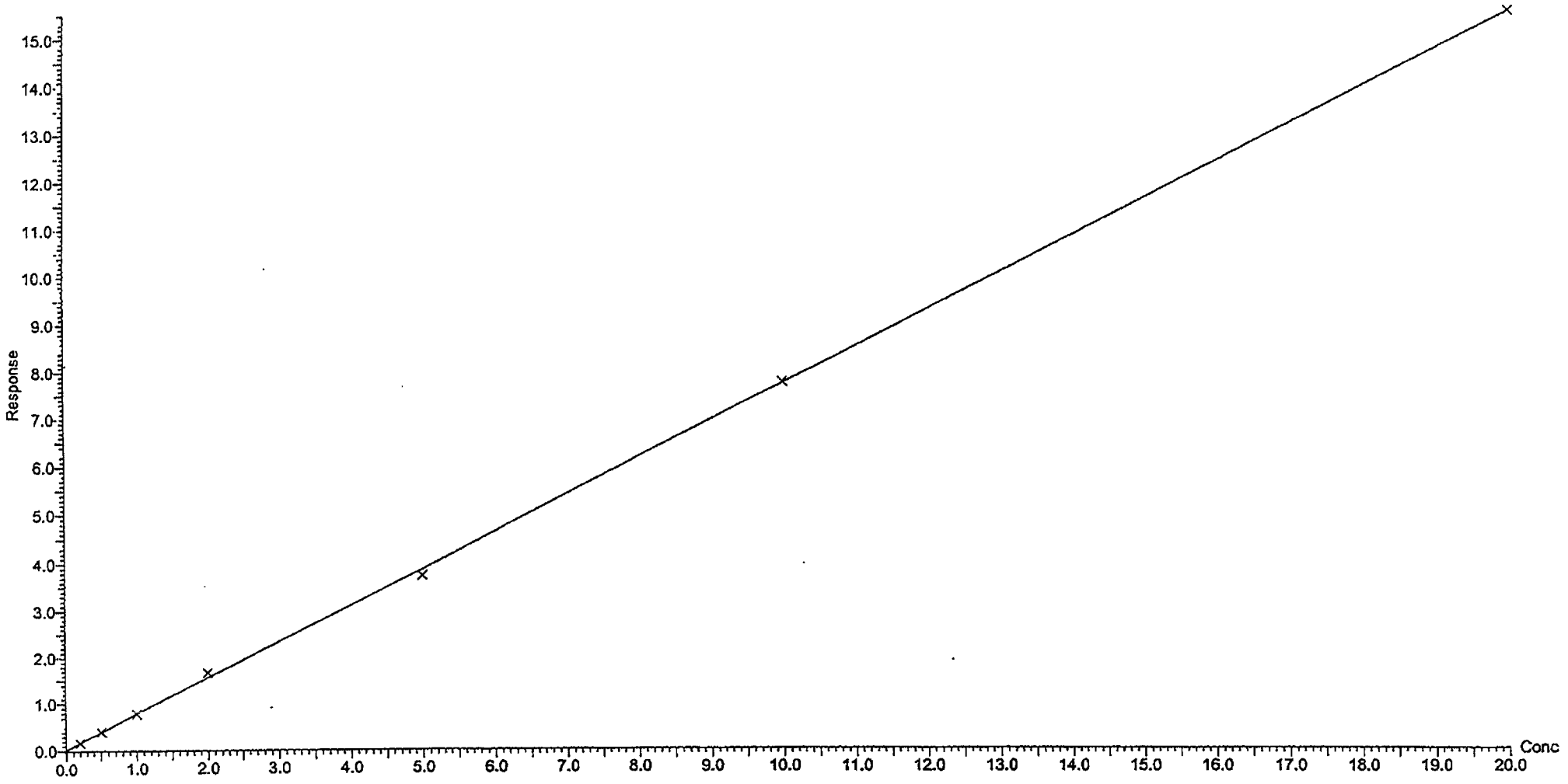
Analyst: Steve Cowling

LC/MS SEMIVOLATILE SAMPLE DATA

Quantify Calibration Report **MassLynx 4.1**

PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292sec.qld
Last Altered: Thursday, November 30, 2006 07:12:17 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:12:58 Mountain Standard Time

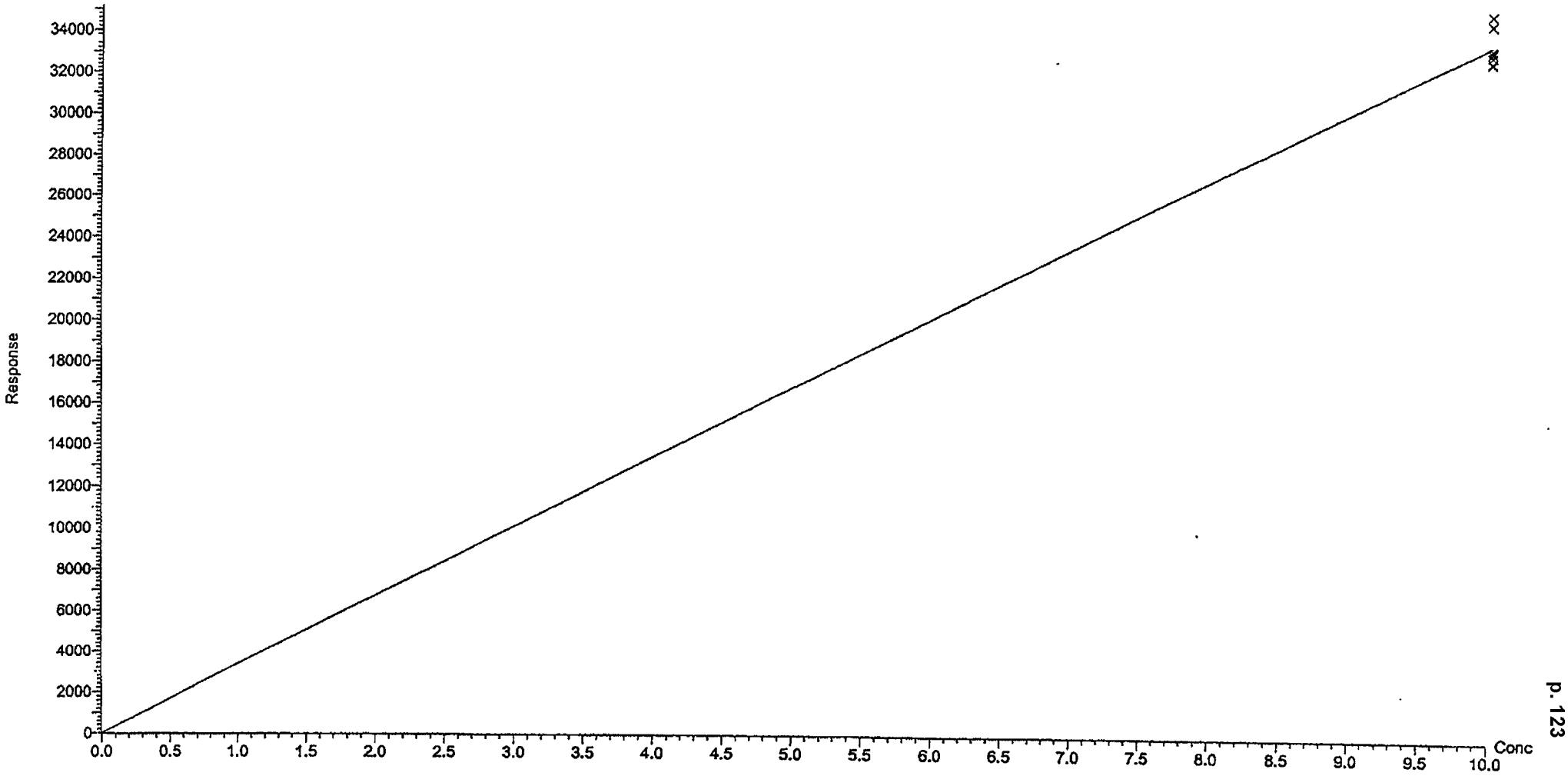
Compound name: PFOS
Coefficient of Determination: R^2 = 0.999527
Calibration curve: 0.000310008 * x^2 + 0.768662 * x + 0.018805
Response type: Internal Std (Ref 3), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Steve Cowling

Quantify Calibration Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292sec.qld
Last Altered: Thursday, November 30, 2006 07:12:17 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:12:58 Mountain Standard Time

Compound name: PFOA 13C2
Response Factor: 3369.21
RRF SD: 89.7392, % Relative SD: 2.66351
Response type: External Std, Area
Curve type: RF

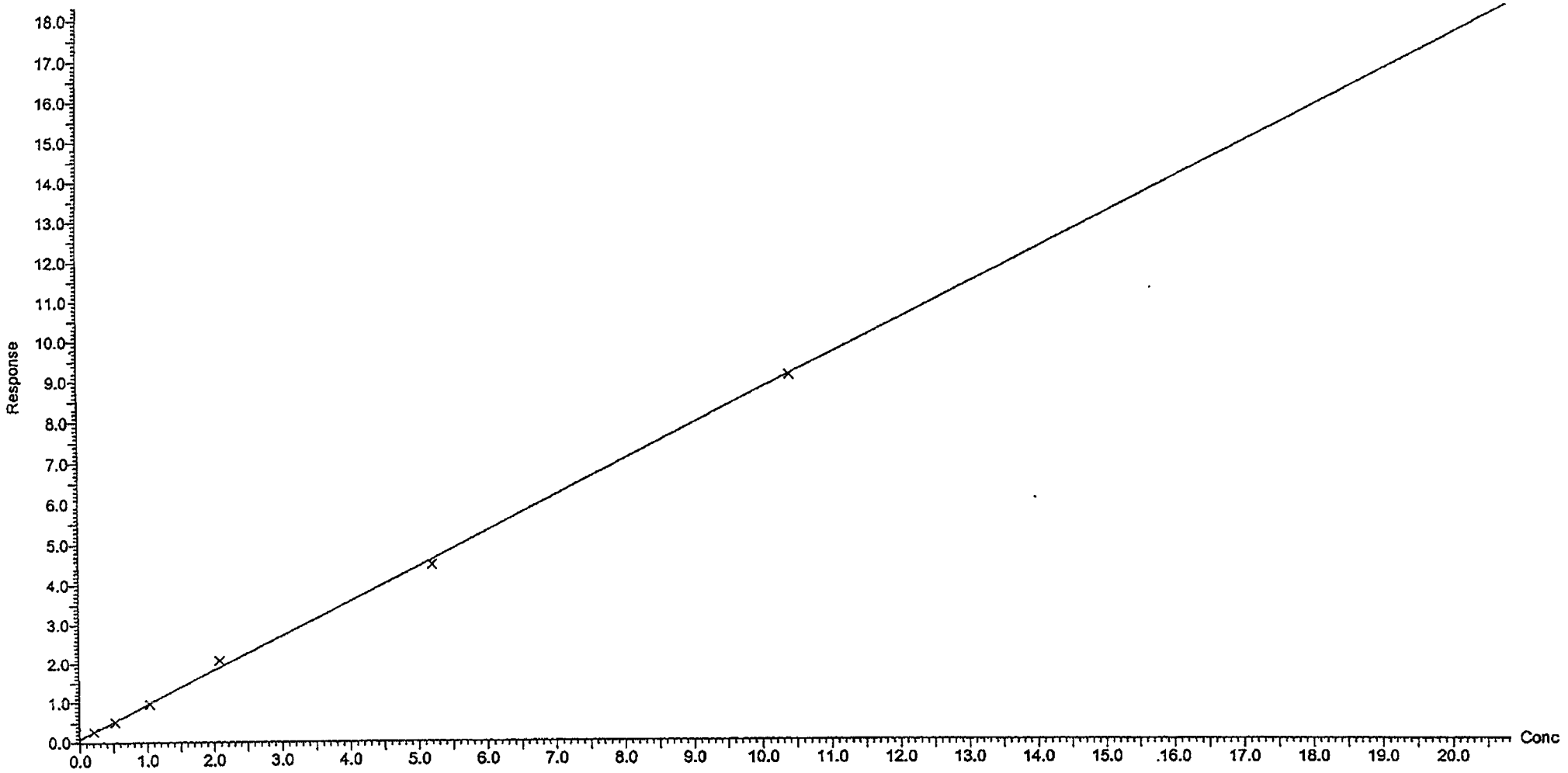


Analyst: Steve Cowling

Quantify Calibration Report **MassLynx 4.1**

PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292sec.qld
Last Altered: Thursday, November 30, 2006 07:12:17 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:12:58 Mountain Standard Time

Compound name: APFO
Coefficient of Determination: R^2 = 0.999298
Calibration curve: 0.000320363 * x^2 + 0.868009 * x + 0.0816079
Response type: Internal Std (Ref 3), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

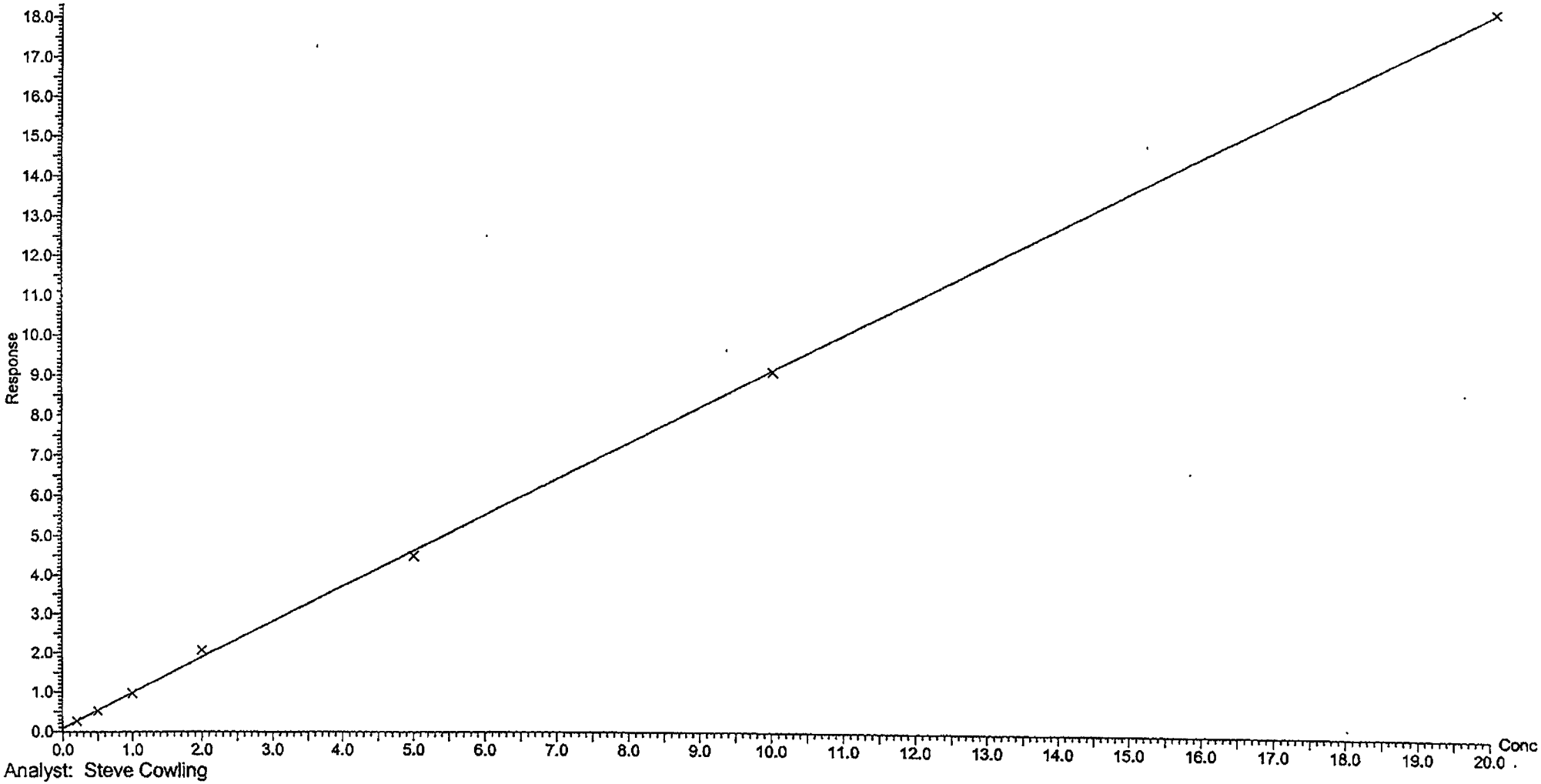


Analyst: Steve Cowling

Quantify Calibration Report **MassLynx 4.1**
PFOA Analysis
Dataset: C:\MassLynx\PFOA.PRO\pf36k292sec.qld
Last Altered: Thursday, November 30, 2006 07:12:17 Mountain Standard Time
Printed: Thursday, November 30, 2006 07:12:58 Mountain Standard Time

Method: C:\MassLynx\PFOA.PRO\MethDB\pa36k29s.mdb 30 Nov 2006 06:57:57
Calibration: 30 Nov 2006 07:12:17

Compound name: PFOA
Coefficient of Determination: R^2 = 0.999297
Calibration curve: 0.000345073 * x^2 + 0.903701 * x + 0.081358
Response type: Internal Std (Ref 3), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Steve Cowling