TOXICITY TEST FINAL REPORT EVENT 1

E04-0120

February 12, 2004

Exhibit
1937
State of Minnesota v. 3M Co.,
Court File No. 27-CV-10-28862

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN
HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Era Laboratories, Inc.
24 North 21st Avenue West
Duluth, MN 55806-2017 (218) 727-6380

February 18, 2004

Ms. Susan Beach
Minnesota Mining and Manufacturing
Environmental Technology and Safety
935 Bush Avenue, Building 2-3E-09
St. Paul, MN 55106

Cc: Ms. Tina Galloway
3M Cottage Grove
10746 Innovation Road
Building 145
Cottage Grove, Minnesota 55016

Ms. Beach,

The tables below summarize the chemical and toxicological results for the tests conducted with the 3M Cottage Grove facility samples received by Era on February 13, 2004. The tests were conducted as outlined in the 3M GPO dated February 9, 2004 and the LIMS number E04-0120.

Briefly, each sample was tested at 100% concentration with two replicate test chambers per sample. Ten 13 day old fish were exposed per replicate and test temperature was maintained at 25°C ± 1°C. Solutions were renewed at the 48 hour test interval using the original sample that had been stored in darkness at 1-4°C. Test duration was 96 hours, and per your guidance, the tests were conducted in darkness.

Sample Identification	Sampling Date	Sampling Time	Arrival Date	Arrival Time	Arrival Temp. (°C)	Arrival Ammonia (mg/L)	Arrival TRC (mg/L)
Influent 1/2	2/12/2004	11:00	2/13/2004	10:30	1.0	1.3	<0.02
Effluent 4	2/12/2004	11:45	2/13/2004	10:30	1.0	2.0	<0.02
Effluent 1	2/12/2004	11:20	2/13/2004	10:30	1.0	2.0	<0.02
Port 4A	2/12/2004	11:35	2/13/2004	10:30	1.0	1.5	<0.02
Port 1A	2/12/2004	11:10	2/13/2004	10:30	1.0	1.6	<0.02
Combined Effluent	2/12/2004	12:00	2/13/2004	10:30	1.0	2.1	<0.02

None of the samples contained total residual chlorine (TRC) concentrations above the method detection limit of 0.02 mg/L. Ammonia concentrations for the samples ranged from 1.3 mg/L for the Influent 1/2 sample to 2.1 mg/L for the Combined Effluent sample. The measured ammonia concentrations were not anticipated to cause acute adverse effects to the fish and therefore the tests were not pH adjusted. Arrival temperature for each of the samples was 1°C.

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Results for the toxicity exposures are shown in the table below.

Sample Identification	24 Hour Mean Percentage Survival	48 Hour Mean Percentage Survival	72 Hour Mean Percentage Survival	96 Hour Mean Percentage Survival	pH Range (s.u.)	DO Range (mg/L)	Cond. Range (µmhos/cm)
MHRW Control	100	100	100	100	7.9-8.1	7.9-8.4	334-335
Influent 1/2	0	0	0	0	8.1[a]	6.2-7.1	1461[a]
Effluent 4	95	90	85	75	8.4-8.7	6.6-7.8	1407-1462
Effluent 1	85	80	75	70	8.1-8.4	4.5-7.6	1482-1488
Port 4A	75	65	65	60	8.1-8.4	4.5-7.7	1426-1481
Port 1A	55	50	45	35	8.0-8.4	4.4-7.8	1441-1486
Combined Effluent	100	100	95	95	8.2-8.6	5.1-7.8	1453-1457

[a] No Range Obtained

The moderately hard reconstituted water (MHRW) supported 100% fish survival for the duration of the test indicating the fish and test methods were acceptable for assessing toxicity. The Influent 1/2 sample was observed to cause complete (100%) fish mortality within 3 hours of test initiation. The sample identified as Effluent 4 was found to support mean 96 hour fish survival of 75%, and the sample identified as Effluent 1 was observed to support mean 96 hour fish survival of 70%. Port 4A and Port 1A samples supported mean 96 hour fish survival of 60% and 35%, respectively. The Combined Effluent sample supported mean 96 hour fish survival of 95%. Intermediate test interval mean fish survival values are shown in the table above.

None of the routine chemistry parameters (pH, dissolve oxygen, conductivity) measured during the test were abnormal for this type of study.

Please call or mail me if you have any questions.

Sincerely,

Eco Laboratories, Inc.

Joe Dierkes,
Project Manager, Eco-Toxicology

C:\JOBS\Clients\3M\Cottage Grove\2004 Carbon Study\017869. E04-0126 Results.doc

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Era Laboratories, Inc.

Client: 3M

Era Project #: 017869

Test: Fathead Minnow Acute Toxicity Tests

Test Initiation Date: February 13, 2004

Test Termination Date: February 17, 2004

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

ENVIRONMENTAL SAMPLE TEST INFORMATION

Date: February 13, 2004
Client: 3M (E04-0120)
Era Project #: 017869
Dilution Water: Not Applicable, MHRW Control
Test Chamber: 0.8 Liter Beaker
Food: Artemia prior to 48 hour renewal
Temperature: 25°C
Test Organism(s)/Age: Fathead Minnow/ 13 day
Comments:
Test solutions renewed @ 48 hours using stored/refrigerated samples from sample receipt.

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

TOXICITY TEST RENEWAL FORM

CLIENT: 3M

ERA PROJECT #: 017869

TEST: Acute Toxicity Evaluation

TEST INITIATION DATE: February 13, 2004

ORGANISM: Fathead Minnow

TEST TERMINATION DATE: February 17, 2004

TEST DAY	0 Test Initiation	1	2	3	4
DATE	2-13-04	2-14-04	2-15-04	2-16-04	2-17-04
TIME OF RENEWAL	1300	1110	1130	1130	1110
TIME OF FEEDING	NA	NA	1010	NA	NA
CONTROL WATER	MHRW	MHRW	MHRW	MHRW	MHRW
INITIALS	BL	BL	BL	BL	BL

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

INITIAL CHEMISTRIES

CLIENT: 3M — ERA PROJECT #: 017869

TEST: Acute Toxicity Evaluation — TEST INITIATION DATE: February 13, 2004

ORGANISM(S): Fathead Minnow — TEST TERMINATION DATE: February 17, 2004

Sample	Date/Initials 2-13-04 [illegible] I				Date/Initials 2-15-04 [illegible] I			
	pH (su)	Cond. (µmhos/cm)	Temp. (°C)	D.O. (mg/L)	pH (su)	Cond. (µmhos/cm)	Temp. (°C)	D.O. (mg/L)
MHRW	8.10	334	25.0	7.9	8.13	335	24.9	8.2
Eff-1	8.16	1488	25.1	7.2	8.09	1487	24.7	7.6
Inf-1/2	8.11	1461	25.0	7.1				
Inf-3	--	--	--	--	--	--	--	--
Eff-4	8.37	1462	25.0	7.3	8.38	1467	24.8	7.8
Eff-9	--	--	--	--	--	--	--	--
Eff-11	--	--	--	--	--	--	--	--
Eff-13	--	--	--	--	--	--	--	--
Port-4A	8.14	1481	24.9	7.1	8.05	1436	24.7	7.7
Port-1A	8.11	1486	24.9	7.0	8.03	1441	24.6	7.8
Port-11D	--	--	--	--	--	--	--	--
Port-13D	--	--	--	--	--	--	--	--
Eff-123	8.26	1457	24.9	7.0	8.24	1453	24.5	7.8

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

FINAL CHEMISTRIES

CLIENT: 3M | ERA PROJECT #: 017869

TEST: Acute Toxicity Evaluation | TEST INITIATION DATE: 2/13/04

ORGANISM(S): Fathead Minnow | TEST TERMINATION DATE: 2/17/04

Sample	Date/Initials 2-14-04 BC/			Date/Initials 2-15-04 BC/			Date/Initials 2-16-04 BC/			Date/Initials 2-17-04 BC/		
	pH (su)	Temp. (°C)	D.O. (mg/L)	pH (su)	Temp. (°C)	D.O. (mg/L)	pH (su)	Temp. (°C)	D.O. (mg/L)	pH (su)	Temp. (°C)	D.O. (mg/L)
MHRW	7.89/7.91	25.0/24.9	8.3/8.2	7.95/7.99	25.1/25.2	8.1/8.0	8.05/8.03	25.0/25.0	8.4/8.4	7.90/7.92	25.1/25.1	8.1/8.1
Eff-1	8.39/8.34	24.9/24.9	6.7/6.7	8.42/8.46	24.9/24.9	5.2/5.1	8.27/8.26	24.9/24.9	4.5/4.5	8.19/8.20	25.0/24.9	4.5/4.5
Inf-1/2	8.28/8.31	25.0/25.0	6.3/6.2	/	/	/	/	/	/	/	/	/
Inf-3	/	/	/	/	/	/	/	/	/	/	/	/
Eff-4	8.47/8.51	24.9/24.9	6.6/6.7	8.67/8.65	25.0/25.0	7.3/7.1	8.51/8.52	25.0/25.0	6.6/6.5	8.50/8.52	25.1/25.0	7.6/7.6
Eff-9	/	/	/	/	/	/	/	/	/	/	/	/
Eff-11	/	/	/	/	/	/	/	/	/	/	/	/
Eff-13	/	/	/	/	/	/	/	/	/	/	/	/
Port-4A	8.34/8.36	25.3/25.3	6.2/6.7	8.38/8.38	24.9/25.0	4.8/4.6	8.22/8.21	24.7/24.8	4.7/4.5	8.18/8.17	24.8/24.9	4.7/4.6
Port-1A	8.30/8.32	24.7/24.7	6.1/6.1	8.37/8.37	24.9/24.9	4.6/4.4	8.24/8.23	24.8/24.9	4.9/4.8	8.22/8.19	24.9/24.9	4.8/4.6
Port-11D	/	/	/	/	/	/	/	/	/	/	/	/
Port-13D	/	/	/	/	/	/	/	/	/	/	/	/
Eff-123	8.51/8.48	24.7/24.6	7.2/7.1	8.52/8.59	24.9/25.9	6.1/6.2	8.39/8.42	24.8/24.9	5.1/5.5	8.44/8.49	24.9/24.9	6.9/7.1

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

3M_MN01538394

1937.0008

ACUTE TOXICITY DATA LOG

CLIENT: 3M ERA PROJECT#: 017869

TEST: Acute Toxicity Evaluation TEST INITIATION DATE: 2/13/04

ORGANISM(S): Fathead Minnow TEST TERMINATION DATE: 2/17/04

Sample	Date/Initials		Date/Initials		Date/Initials		Date/Initials	
	2-14-04 BL		2-15-04 I BL		2-16-04 I BL		2-17-04 I BL	
	Replicate A	Replicate B	Replicate A	Replicate B	Replicate A	Replicate B	Replicate A	Replicate B
MHRW	10	10	10	10	10	10	10	10
Eff-1	8	9	8	8	7	8	6	8
Inf-1/2	All fish were dead within 3 hrs. at first set up 2-13-04 BL		0	0	0	0	0	0
Inf-3								
Eff-4	10	9	10	8	9	8	7	8
Eff-9								
Eff-11								
Eff-13								
Port-4A	8	7	7	6	7	6	7	5
Port-1A	6	5	6	4	5	4	4	3
Port-11D								
Port-13D								
Eff-123	10	10	10	10	10	9	10	9

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

3M Environmental Laboratory

Form 3877.8 - PWC

Shipping Address: 3M Bldg. 2-3E-09, 935 Bush Avenue, St. Paul, MN 55106
Telephone: Sample Receiving: (651) 778-4949, Alternate: (651) 778-6753, FAX: (651) 778-6176

Chain of Custody /Request for Laboratory Analytical 6038

3M Env. Lab Project # For Internal Use Only

Project ID/Project Name	Cottage Grove Activated Carbon Test 09
Template #	Final Report Due Date
Project Lead	Joe Beach
Dept. # (main)	118585
Internal Due Date	
Class/Job/Project #	

Report Results To

Contact Name	Joe Beach / Tina Galloway
Company	3M Cottage Grove
Mailing Address	10746 Innovation Road Bldg 145
City, State, Zip	Cottage Grove, MN 55016
Telephone #	(651) 778-7452 FAX #

Date Available
Date Due
Contract Lab

Special Instructions and/or Specific Regulatory Requirements: (method, limit of detection, reporting units, etc.)

FMCA 651 768 1706

arrival temps °C

Matt

Eur proj #
017869

Preservatives: HNO3 | H2SO4 | VOCs | None | Other

Total Number of Containers

Analysis Requested: Complete below. Attach any associated information.

(Enter an "X" in the box below to indicate request)

Item #	Client Sample Identification	3M LIMS#	Date Sampled	Time Sampled	Matrix/ Media	Enter the number of containers of each	
1.0	1) INFLUENT 1/2 (INF 1/2)		2/12/10	11:00	WW		1
1.0	2) EFFLUENT 4 (EFF 4)			11:45			4
1.0	3) EFFLUENT 1 (EFF 1)			11:20			1
1.0	4) PORT 4A (PORT 4A)			11:35			
1.0	5) PORT 1A (PORT 1A)			11:10			
1.0	6) COMBINE EFFLUENT (COMB)			12:00			
	7.						
	8.						
	9.						
	10.						

Chain of Custody

Collected by (print): Matt McDermett

Collector's signature:

Item #	Relinquished by/Affiliation	Time	Date	Shipped Via	Received by/Affiliation	Time	Date
					Laura Hood / Eur Lab	10:30	2-13-10

Sample Condition Upon Receipt: ☐ Acceptable ☐ Other:

Temperature: °C ☒ Received on Ice

Other Associated COCs:

Copies to:

Comments:

Page ___ of ___ Original - Accompanying Samples Last Page - Originator See Reverse Side for Instructions

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Conventional Pollutants
FINAL REPORT
EVENT 1

E04-0120
February 12, 2004

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

1004665

3M Environmental Laboratory

Form 38778 - PWO

Shipping Address: 3M Bldg. 2-3E-09, 535 Bush Avenue, St. Paul, MN 55106
Telephone: Sample Receiving: (651) 778-4946, Alternate: (651) 778-6753, FAX: (651) 778-6178

Chain of Custody /Request for Laboratory Analytical

5292

3M Env. Lab Project # For Internal Use Only: 604-0120

Project ID/Project Name	Cottage Grove Carbon System Testing
Template #	Final Report Due Date
Project Lead: Jess Eldridge	Internal Due Date
Dept. # (main): 0683	Class/Job/Project #

Report Results to:

Contact Name: Tina Galloway / Brian Mader
Company: 3M Cottage Grove
Mailing Address: 10746 - Innovation Rd.
City, State, Zip: Cottage Grove, MN 55016
Telephone #: 651-768-1206 FAX #: 651-458-2029

Date Available:
Date Due: 2/26/04
Contract Lab: PACE

Special Instructions and/or Specific Regulatory Requirements: (method, limit of detection, reporting units, etc.)

Preservatives: HNO3 | H2SO4 | VOCs Vial ACZ | None | Other

Total Number of Containers

Analysis Requested: Complete below. Attach any associated information.

See Attached Lab Reg.

Item #	Client Sample Identification	3M LIMS#	Date Sampled	Time Sampled	Matrix/ Media	HNO3	H2SO4	VOCs Vial ACZ	None	Other	Total Containers	Analysis (Enter an "X" in the box below to indicate request)
1.	Influent 1/2	67432	2/12/04	11:00	Liquid		2	3	1	1		105 353 132
2.	Effluent 4	67434		11:45			2	3	1	1		140
3.	Effluent 1 67439	~~67435~~	RP 2/17/04	11:20			2	3	1	1		154
4.	Port 4A	67438		11:35			2	3	1	1		165
5.	Port 1A 67435	~~67437~~	RP 2/17/04	11:10			2	3	1	1		173
6.	Combined Effluent	67442		12:00			2	3	1	1		191
7.	Field Blank	67487	2/12/04	~			2	3	1	1		199
8.	Trip Blank	67489										105 333 431 added MRP 2/13/04
9.												
10.												

Chain of Custody

Collected by (print): Morgan A. McDevitt
Collector's signature:

Item #	Relinquished by/Affiliation	Time	Date	Shipped Via:	Received by/Affiliation	Time	Date
1-9	[illegible] Matt Price/3M	10:20	2/13/04	R. Lunick	R Joanne Patterson/Pace	12:10	2/13/04

Sample Condition Upon Receipt: X Acceptable O Other:
Temperature: 4 °C X Received on ice
Other Associated CoCs:
Copies to:

Comments: Trip Blank added to project per B. Mader. MRP 2/13/04

→ One trip blank broken MRP 2-13-04

___ Of ___

Original - Accompanying Samples | Last Page - Originator | See Reverse Side for Instructions

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

COOLER RECEIPT / SAMPLE LOG-IN SHEET

COOLER RECEIPT / SAMPLE LOG-IN SHEET (115-ATT2.WB1) / SWL-GA-115 REV 5.0 / GA-115-CRLOGIN-F

Pace Analytical®

LAB NAME: PACE ANALYTICAL SERVICES, INC.

PAGE 1 OF 1

RECEIVED BY (PRINT NAME): JASON SPRIGGS

RECEIVED BY (SIGNATURE):

LOGGED IN BY (SIGNATURE):

REC'D DATE 02/14/04

TIME REC'D 09:00

LOG-IN DATE 2004-02-14 11:03

PROJECT: INTER-LAB

EPISODE: 53924

SAMPLE DELIVERY GROUP:53924

Remarks

1. CUSTODY SEAL(S): Present/Absent Intact/ Broken

2. CUSTODY SEALS NOS.: N/A

3. CHAIN-OF CUSTODY. Present/Absent
Sealed In Plastic? Yes/ No
Taped To Lid? Yes/ No
Properly Filled Out (Ink, Signed, ETC.)? Yes/ No

4. AIRBILL AirBill/ Sticker Present/Absent

5. AIRBILL NO: 483691942461

6. COOLER CONDITIONS
Enough Ice? Yes/ No
Type of Ice? Wet
Type of Packing? Bubble Wrap

7. SAMPLE TAGS Absent

8. SAMPLE CONDITION:
Intact/ Present/Broken*/ Leaking

Bottles Sealed In Separate Plastic Bags? Yes/ No
Correct Containers Used For Tests Indicated? Yes/ No
Correct Preservative? Yes/ No
Sufficient Sample? Yes/ No
Labels Complete (I.D., Date, Time, Signature, Preservative? Yes/ No
VOA Samples Without Bubbles? Yes/No~

9. Does Information on Custody Records,Labels,Tags Agree? Yes/No*

10. RAD SCREEN WITH GIEGER COUNTER? Yes/ No

11. P.O. Called? Yes/ No

Client Sample #	Sample Fraction @	Assigned LAB#	Cooler I.D.	pH Check	ACID/ BASE LOT#	REMARKS: CONDITION OF SAMPLE SHIPMENT, ETC.
INFLUENT 1/2	I	53924.01	02/14/04-1	N		4.7c
EFFLEUNT 4		53924.02	02/14/04-1	N		4.7c
EFFLUENT 1		53924.03	02/14/04-1	N		4.7c
PORT 4A		53924.04	02/14/04-1	N		4.7c
PORT1A		53924.05	02/14/04-1	N		4.7c
COMBINED EFFLUENT		53924.06	02/14/04-1	N		4.7c
FIELD BLANK		53924.07	02/14/04-1	N		4.7c

* Contact PO and attach record of resolution

@ Sample Fractions: B=SV GC/MS, V= VOA GC/MS or GC, P=Pesticide,H=Herbicide, D=Dioxin, A=Air, I=Inorganics, C=Cyanide, M=Metals, R=Radiochemistry

~ Note samples with bubbles under remarks section.

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Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1700 West Albany
Broken Arrow, OK 74012
Phone: 918.251.2858
Fax: 918.251.2599

February 25, 2004

Roxanne Patterson
Pace Analytical Services
1700 Elm Street
Suite 200
Minneapolis, MN 55414

Project: Inter Lab/ 1084665
SDG: 53924

Dear Ms. Patterson:

Enclosed please find our standard tabular report for samples received by our laboratory on February 14, 2004. Please see the enclosed SDG Narratives for additional information regarding analysis of these samples.

If, in your review, you should have any questions or require additional information, please do not hesitate to call.

Sincerely,

Randy Staggs
randy.staggs@pacelabs.com
Project Manager

RES/st

Enclosures

"We certify that the following report meets all required NELAC reporting standards as specified in NELAC 5.13, July 1, 1999. Any deviation or variance is noted in the case narrative(s). Estimated uncertainties regarding these analyses are presented in the Quality Control Section of this report."

REPORT OF LABORATORY ANALYSIS

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nelac

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www.pacelabs.com

Pace Analytical Services, Inc.
1700 West Albany
Broken Arrow, OK 74012
Phone: 918.251.2858
Fax: 918.251.2599

SDG NARRATIVE

CLIENT: PACE-MN
PROJECT: INTER-LAB

DATE: February 25,2004
EPISODE NO.: 53924

INORGANIC FRACTION:

Seven water samples were submitted for dissolved total organic carbon analysis. No major problems occurred during the analysis of these samples. The sample's analyses were completed according to the following:

SWL SOP #	Method Reference	Parameter
SWL-IN-310	SM5310B	Total Organic Carbon

Please refer to *Cooler Receipt / Sample Log-In Sheet* for details of sample conditions at receipt.

There were no hold time violations noted. Samples were filtered using a teflon filter prior to analysis.

Preparation Blank: No target analytes were detected in the preparation blank above the PQL.
Lab Control Spikes: All laboratory control spikes were within QC limits.
Matrix Spikes: No matrix spikes were submitted with this episode.
Duplicates: All LCS and matrix duplicate results were within QC limits.

No further data usability limitations exist for this Inorganic Analysis Data Package.

Explanations of the forms are the following:

Form 1 Sample results
Form 3 Blanks – Provided by the LB Quality Control Data Sheets.
Form 7 Laboratory Control Sample - Provided by the LCS/LCSD Quality Control Data Sheets.

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager, or his/her designee, as verified by the following signature.

Sincerely,

Susan S. Turner
Wet Chemistry Supervisor

REPORT OF LABORATORY ANALYSIS

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nelac

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Pace Analytical Services, Inc.
1700 West Albany
Broken Arrow, OK 74012
Phone: 918.251.2858
Fax: 918.251.2599

Sample Results

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1700 West Albany
Broken Arrow, OK 74012
Phone: 918.251.2858
Fax: 918.251.2599

LAB ID : 53924.01
SAMPLE : E04-0120-67432
SDG : 53924
MATRIX : W
SITE : 1084665

REPORTED : 02/25/2004
SAMPLED : 02/12/2004
SUBMITTED : 02/14/2004

PARAMETER	REPORTING LIMIT	UNITS	RESULTS	DATE/TIME ANALYZED	ANALYST	METHOD REFERENCE
TOTAL ORGANIC CARBON	1.0	mg/l	17.3	02/24/04 17:32	KAL	SM5310B

COMPOUND* = RESULTS REPORTED AS RECEIVED
ND = NOT DETECTED ABOVE QUANTITATION LIMIT
* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
N/A = NOT APPLICABLE
METHODOLOGY: SM = STANDARD METHODS, 18TH EDITION,1992/19TH EDITION, 1995
EPA = #EPA600/4-79-020, MARCH 1985
SW = SW 846 Rev. 4 1996

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1700 West Albany
Broken Arrow, OK 74012
Phone: 918.251.2858
Fax: 918.251.2599

LAB ID : 53924.02
SAMPLE : E04-0120-67434
SDG : 53924
MATRIX : W
SITE : 1084665

REPORTED : 02/25/2004
SAMPLED : 02/12/2004
SUBMITTED : 02/14/2004

PARAMETER	REPORTING LIMIT	UNITS	RESULTS	DATE/TIME ANALYZED	ANALYST	METHOD REFERENCE
TOTAL ORGANIC CARBON	1.0	mg/l	3.2	02/24/04 17:44	KAL	SM5310B

COMPOUND* = RESULTS REPORTED AS RECEIVED
ND = NOT DETECTED ABOVE QUANTITATION LIMIT
* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
N/A = NOT APPLICABLE
METHODOLOGY: SM = STANDARD METHODS, 18TH EDITION,1992/19TH EDITION, 1995
EPA = #EPA600/4-79-020, MARCH 1985
SW = SW 846 Rev. 4 1996

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1700 West Albany
Broken Arrow, OK 74012
Phone: 918.251.2858
Fax: 918.251.2599

LAB ID : 53924.03
SAMPLE : E04-0120-67439
SDG : 53924
MATRIX : W
SITE : 1084665

REPORTED : 02/25/2004
SAMPLED : 02/12/2004
SUBMITTED : 02/14/2004

PARAMETER	REPORTING LIMIT	UNITS	RESULTS	DATE/TIME ANALYZED	ANALYST	METHOD REFERENCE
TOTAL ORGANIC CARBON	1.0	mg/l	11.9	02/24/04 18:22	KAL	SM5310B

COMPOUND* = RESULTS REPORTED AS RECEIVED
ND = NOT DETECTED ABOVE QUANTITATION LIMIT
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LAB ID : 53924.04
SAMPLE : EO4-0120-67438
SDG : 53924
MATRIX : W
SITE : 1084665

REPORTED : 02/25/2004
SAMPLED : 02/12/2004
SUBMITTED : 02/14/2004

PARAMETER	REPORTING LIMIT	UNITS	RESULTS	DATE/TIME ANALYZED	ANALYST	METHOD REFERENCE
TOTAL ORGANIC CARBON	1.0	mg/l	13.7	02/24/04 18:35	KAL	SM5310B

COMPOUND* = RESULTS REPORTED AS RECEIVED
ND = NOT DETECTED ABOVE QUANTITATION LIMIT
* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
N/A = NOT APPLICABLE
METHODOLOGY: SM = STANDARD METHODS, 18TH EDITION,1992/19TH EDITION, 1995
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LAB ID : 53924.05
SAMPLE : E04-0120-67435
SDG : 53924
MATRIX : W
SITE : 1084665

REPORTED : 02/25/2004
SAMPLED : 02/12/2004
SUBMITTED : 02/14/2004

PARAMETER	REPORTING LIMIT	UNITS	RESULTS	DATE/TIME ANALYZED	ANALYST	METHOD REFERENCE
TOTAL ORGANIC CARBON	1.0	mg/l	16.7	02/24/04 18:48	KAL	SM5310B

COMPOUND* = RESULTS REPORTED AS RECEIVED
ND = NOT DETECTED ABOVE QUANTITATION LIMIT
* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
N/A = NOT APPLICABLE
METHODOLOGY: SM = STANDARD METHODS, 18TH EDITION,1992/19TH EDITION, 1995
EPA = #EPA600/4-79-020, MARCH 1985
SW = SW 846 Rev. 4 1996

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Fax: 918.251.2599

LAB ID : 53924.06
SAMPLE : E04-0120-67442
SDG : 53924
MATRIX : W
SITE : 1084665

REPORTED : 02/25/2004
SAMPLED : 02/12/2004
SUBMITTED : 02/14/2004

PARAMETER	REPORTING LIMIT	UNITS	RESULTS	DATE/TIME ANALYZED	ANALYST	METHOD REFERENCE
TOTAL ORGANIC CARBON	1.0	mg/l	5.2	02/24/04 19:00	KAL	SM5310B

COMPOUND* = RESULTS REPORTED AS RECEIVED
ND = NOT DETECTED ABOVE QUANTITATION LIMIT
* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
N/A = NOT APPLICABLE
METHODOLOGY: SM = STANDARD METHODS, 18TH EDITION,1992/19TH EDITION, 1995
EPA = #EPA600/4-79-020, MARCH 1985
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LAB ID : 53924.07
SAMPLE : FIELD BLANK
SDG : 53924
MATRIX : W
SITE : 1084665

REPORTED : 02/25/2004
SAMPLED : 02/12/2004
SUBMITTED : 02/14/2004

PARAMETER	REPORTING LIMIT	UNITS	RESULTS	DATE/TIME ANALYZED	ANALYST	METHOD REFERENCE
TOTAL ORGANIC CARBON	1.0	mg/l	ND	02/24/04 19:10	KAL	SM5310B

COMPOUND* = RESULTS REPORTED AS RECEIVED
ND = NOT DETECTED ABOVE QUANTITATION LIMIT
* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
N/A = NOT APPLICABLE
METHODOLOGY: SM = STANDARD METHODS, 18TH EDITION,1992/19TH EDITION, 1995
EPA = #EPA600/4-79-020, MARCH 1985
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QC Results

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Phone: 918.251.2858
Fax: 918.251.2599

LAB ID : PBW0402240451 LB1
QAQC : 0402240451
MATRIX : W

REPORTED : 02/25/2004
ANALYZED : 02/24/2004 16:26
DILUTION : 1

PARAMETER	REPORTING LIMIT	UNITS	RESULTS	DATE/TIME ANALYZED	ANALYST	METHOD REFERENCE
TOTAL ORGANIC CARBON	1.0	mg/l	ND	02/24/04 16:26	KAL	SM5310B

COMPOUND* = RESULTS REPORTED AS RECEIVED
ND = NOT DETECTED ABOVE QUANTITATION LIMIT
* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
N/A = NOT APPLICABLE
METHODOLOGY: SM = STANDARD METHODS, 18TH EDITION,1992/19TH EDITION, 1995
EPA = #EPA600/4-79-020, MARCH 1985
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LABORATORY CONTROL SPIKE/SPIKE DUPLICATE RECOVERY

MATRIX : W

REPORTED : 02/25/2004

LAB ID	QC BATCH	ANALYZED
LCW0402240451	0402240451	2004-02-24 16:42
LDW0402240451	0402240451	2004-02-24 16:58

Parameter	mg/l	SPIKED AMOUNT	SPIKE CONC.	SPIKE %Rec	DUP CONC.	DUP %Rec	RPD---	MAX RPD	LIMITS %Rec.
TOTAL ORGANIC CARBON		50	47.9	96	48.2	96	< 1	20	90-110

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Chain of Custody / Cooler Receipt

REPORT OF LABORATORY ANALYSIS

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3M Environmental Laboratory — Chain of Custody /Request for Laboratory Analytical

5292

Form 3878 - PWC

Shipping Address: 3M Bldg. 235-09, 935 Bush Avenue, St. Paul, MN 55106
Telephone: Sample Receiving: (651) 778-4848; Alternate: (651) 778-5763; FAX: (651) 778-5179

3M Env. Lab Project # For Internal Use Only: 604-0120

Project ID/Project Name: Commerce Laboratories Restart
Template #:
Project Lead: Jess Eubanks
Dept # (main): 0283
Final Report Due Date:
Internal Due Date:
Class/Job/Project #:

Report Results to:
Contact Name: Tina Carlberg/Brian Huber
Company: 3M Commerce Laboratories
Mailing Address: 10746 - Innovation Rd.
City, State, Zip: Cottage Grove, MN 55016
Telephone #: (651) - 768-1206 FAX #: (651) - 458 - 2029
Special Instructions and/or Specific Regulatory Requirements: (method, limit of detection, reporting units, etc.)

Date Available: 2/19/14
Date Due: 2/26/14
Contract Lab: PACE

Preservatives: HNO3; H2SO4; VOAs HCl; None; Other NaOH

Analysis Requested: Complete below. Attach any associated information.
See Lab Ref. Attached

Item #	Client Sample Identification	3M LIMS#	Date Sampled	Time Sampled	Matrix/ Media	Total Number of Containers (Enter the number of containers of each)										(Enter an 'X' in the box below to indicate request)										
1.	Influent 1/2	67432	2/18/14	11:00	Ground Water	2	3	1	1							1	1	1	1	1	1	1	1	1	1
2.	Effluent 4	67431		11:45		2	3	1	1							1	1	1	1	1	1	1	1	1	1
3.	Effluent 1	67435		11:20		2	3	1	1							1	1	1	1	1	1	1	1	1	1
4.	Port 4A	67438		11:35		2	3	1	1							1	1	1	1	1	1	1	1	1	1
5.	Port 1A	67439		11:10		2	3	1	1							1	1	1	1	1	1	1	1	1	1
6.	Combined Effluent	67447		12:00		2	3	1	1							1	1	1	1	1	1	1	1	1	1
7.	Field Blank		2/18/14	~		2	3	1	1							1	1	1	1	1	1	1	1	1	1
8.																									
9.																									
10.																									

Collected by (print): Mitchell Peterson
Collector's signature:

Chain of Custody

Item #	Relinquished by/Affiliation:	Date:	Time:	Shipped Via:	Received by/Affiliation:	Date:	Time:
1-2	Mitchell Peterson/3M	2/18/14	1030	R.Lamm	R.Lamm/Pace	2/19/14	1210
1-7	Shelly Peterson/3M	2/18/14	13:15	R.Lamm	R.Lamm/Pace	2/19/14	1210

Sample Condition Upon Receipt: Acceptable ☐ Other
Temperature: 4°C Received on Ice
Other Associated Docs:
Copies to:
Comments:

Bill Pace bill to Clark Bid Rea dated 2-13-14

Last Page - Originator

See Reverse Side for Instructions

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

3M_MN01538414

1937.0028

Mark for Saturday Delivery - Priority

Pace Analytical™

Shipping Request

Date ~~12~~ ship 2/13/04 Must Arrive By 2/14/04 Time AM or PM circle one

Senders Initials BPI Extension No. 6323 Dept. # 1003

Ship To ☒ or Pick Up From ☐

Recipients Name: PASI - TULSA

Company Name:

Street Address: 1700 WEST ALBANY
BROKEN ARROW, OK
74012

Phone Number: 918-251-2858

Special Instructions Ship on ice

Description of Contents project 10846605

Number of Packages

Charge To ☐ Project # ☒ Overhead Department # 1003

Managers Approval

DO NOT WRITE IN THIS SECTION

Courier Service:
Courier Name
Delivery Time Cost

UPS
Pick-up Record Number
Service ☐ Ground ☐ Air ☐ Weight ☐ Zone Cost

Federal Express
Airbill Number
Other Name Cost

L095c, (12/01)

Pace Analytical

INTER-REGIONAL WORK ORDER # 1578
(To be completed by sending region)

Date Prepared 2/13/04

Sending Region	Minnesota	Sending Project No.	1084665
Receiving Region	Tulsa	Sending Project Mgr.	Roxann Patterson
External Client	3M Env.	Client No.	

All questions should be addressed to sending project manager.

Type of Work — X Analytical ____ Permitting ____ Consulting ____ Other (Identify) ____

WORK REQUESTED

Quantity	O.C. Del.	Description	Unit Price	Amount
7		*TOC by SM5310B + Filter	~~25.00~~ HKP 2/13/04 ~~175.00~~	
			34.00	238.00
			TOTAL	~~175.00~~ 238.00 HKP 2/13/04

Revenue Allocation	Inorganic	Organic	Other (Specify)	Total
To Receiving Region	HKP ~~140.00~~ 190.40			
To Sending Region	2/13/04 ~~35.00~~ 47.60			

Requested Completion Date: 2/24/04

Requested By: ____

* Please filter TOC with Teflon Filter before analysis.

Chain of Custody Included ☒ Yes ☐ No

Disposal of Samples: ____ Return to Sending Region ☐ Yes ☒ No

Number of Samples: ____

Matrix: ____ Soil 4 Water ____ Air ____ Other (Identify) ____

Level Turnaround Requested: ____

Confirmation of Work Completed ____

Receiving Project Manager [signature] Date Completed 2/24/04

DISPOSITION

Part 1, 2, and 3: Receiving Region

Part 4: Sending Region

RECEIVING REGION

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Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

February 26, 2004

Mr. Jess Eldridge
3M Environmental Laboratory
935 Bush Ave.
Bldg. 2-3E-09
St. Paul, MN 55144

RE: Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

Dear Mr. Eldridge:

Enclosed are the analytical results for sample(s) received by the laboratory on February 13, 2004. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report please feel free to contact me.

Sincerely,

for

Roxanne Patterson
Roxanne.Patterson@pacelabs.com
Project Manager

Minnesota Certification #: 027-053-137
Wisconsin Certification #: 9999407970

Enclosures

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REPORT OF LABORATORY ANALYSIS

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Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

Lab Sample No: 105333132 Project Sample Number: 1084665-001 Date Collected: 02/12/04 11:00
Client Sample ID: E04-0120-67432 Matrix: Water Date Received: 02/13/04 12:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Microbiology								
Biochemical Oxygen Demand, 5 d	Prep/Method: / SM 5210B							
BOD, 5 day	52	mg/l	6	02/18/04	JPH1		1,2	
Date Prepared	02/13/04 13:30			02/13/04 13:30				
Wet Chemistry								
Phenolics Total. in Water	Method: EPA 420.4							
Phenol	75.0	ug/l	25.0	02/17/04	VAF	108-95-2		
GC/MS Semivolatiles								
625 Wastewater GC/MS SVOA	Prep/Method: EPA 625 / EPA 625							
Phenol	ND	ug/l	11.	02/18/04 16:10	KSK	108-95-2		
bis(2-Chloroethyl) ether	ND	ug/l	11.	02/18/04 16:10	KSK	111-44-4		
2-Chlorophenol	ND	ug/l	11.	02/18/04 16:10	KSK	95-57-8		
1,3-Dichlorobenzene	ND	ug/l	11.	02/18/04 16:10	KSK	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	11.	02/18/04 16:10	KSK	106-46-7		
1,2-Dichlorobenzene	ND	ug/l	11.	02/18/04 16:10	KSK	95-50-1		
bis(2-Chloroisopropyl) ether	ND	ug/l	11.	02/18/04 16:10	KSK	39638-32-9		
N-Nitroso-di-n-propylamine	ND	ug/l	11.	02/18/04 16:10	KSK	621-64-7		
Nitrobenzene	ND	ug/l	11.	02/18/04 16:10	KSK	98-95-3		
Isophorone	ND	ug/l	11.	02/18/04 16:10	KSK	78-59-1		
2-Nitrophenol	ND	ug/l	11.	02/18/04 16:10	KSK	88-75-5		
2,4-Dimethylphenol	ND	ug/l	11.	02/18/04 16:10	KSK	105-67-9		
bis(2-Chloroethoxy)methane	ND	ug/l	11.	02/18/04 16:10	KSK	111-91-1		
2,4-Dichlorophenol	ND	ug/l	11.	02/18/04 16:10	KSK	120-83-2		
1,2,4-Trichlorobenzene	ND	ug/l	11.	02/18/04 16:10	KSK	120-82-1		
Naphthalene	ND	ug/l	11.	02/18/04 16:10	KSK	91-20-3		
Hexachloro-1,3-butadiene	ND	ug/l	11.	02/18/04 16:10	KSK	87-68-3		
4-Chloro-3-methylphenol	ND	ug/l	11.	02/18/04 16:10	KSK	59-50-7		
2,4,6-Trichlorophenol	ND	ug/l	11.	02/18/04 16:10	KSK	88-06-2		
2-Chloronaphthalene	ND	ug/l	11.	02/18/04 16:10	KSK	91-58-7		
Dimethylphthalate	ND	ug/l	11.	02/18/04 16:10	KSK	131-11-3		
Acenaphthylene	ND	ug/l	11.	02/18/04 16:10	KSK	208-96-8		
2,6-Dinitrotoluene	ND	ug/l	11.	02/18/04 16:10	KSK	606-20-2		
Acenaphthene	ND	ug/l	11.	02/18/04 16:10	KSK	83-32-9		
2,4-Dinitrophenol	ND	ug/l	54.	02/18/04 16:10	KSK	51-28-5		
4-Nitrophenol	ND	ug/l	54.	02/18/04 16:10	KSK	100-02-7		
2,4-Dinitrotoluene	ND	ug/l	11.	02/18/04 16:10	KSK	121-14-2		
Diethylphthalate	ND	ug/l	11.	02/18/04 16:10	KSK	84-66-2		

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Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

Lab Sample No: 105333132 Project Sample Number: 1084665-001 Date Collected: 02/12/04 11:00
Client Sample ID: E04-0120-67432 Matrix: Water Date Received: 02/13/04 12:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
4-Chlorophenylphenyl ether	ND	ug/l	11.	02/18/04 16:10	KSK	7005-72-3		
Fluorene	ND	ug/l	11.	02/18/04 16:10	KSK	86-73-7		
4,6-Dinitro-2-methylphenol	ND	ug/l	54.	02/18/04 16:10	KSK	534-52-1		
4-Bromophenylphenyl ether	ND	ug/l	11.	02/18/04 16:10	KSK	101-55-3		
Hexachlorobenzene	ND	ug/l	11.	02/18/04 16:10	KSK	118-74-1		
Pentachlorophenol	ND	ug/l	25.	02/18/04 16:10	KSK	87-86-5		
Phenanthrene	ND	ug/l	11.	02/18/04 16:10	KSK	85-01-8		
Anthracene	ND	ug/l	11.	02/18/04 16:10	KSK	120-12-7		
Di-n-butylphthalate	ND	ug/l	11.	02/18/04 16:10	KSK	84-74-2		
Fluoranthene	ND	ug/l	11.	02/18/04 16:10	KSK	206-44-0		
Pyrene	ND	ug/l	11.	02/18/04 16:10	KSK	129-00-0		
Butylbenzylphthalate	ND	ug/l	11.	02/18/04 16:10	KSK	85-68-7		
3,3'-Dichlorobenzidine	ND	ug/l	22.	02/18/04 16:10	KSK	91-94-1		
Benzo(a)anthracene	ND	ug/l	11.	02/18/04 16:10	KSK	56-55-3		
Chrysene	ND	ug/l	11.	02/18/04 16:10	KSK	218-01-9		
bis(2-Ethylhexyl)phthalate	ND	ug/l	11.	02/18/04 16:10	KSK	117-81-7		
Di-n-octylphthalate	ND	ug/l	11.	02/18/04 16:10	KSK	117-84-0		
Benzo(b)fluoranthene	ND	ug/l	11.	02/18/04 16:10	KSK	205-99-2		
Benzo(k)fluoranthene	ND	ug/l	11.	02/18/04 16:10	KSK	207-08-9		
Benzo(a)pyrene	ND	ug/l	11.	02/18/04 16:10	KSK	50-32-8		
Indeno(1,2,3-cd)pyrene	ND	ug/l	11.	02/18/04 16:10	KSK	193-39-5		
Dibenz(a,h)anthracene	ND	ug/l	11.	02/18/04 16:10	KSK	53-70-3		
Benzo(g,h,i)perylene	ND	ug/l	11.	02/18/04 16:10	KSK	191-24-2		
Hexachloroethane	ND	ug/l	11.	02/18/04 16:10	KSK	67-72-1		
Nitrobenzene-d5 (S)	79	%		02/18/04 16:10	KSK	4165-60-0		
2-Fluorobiphenyl (S)	83	%		02/18/04 16:10	KSK	321-60-8		
Terphenyl-d14 (S)	82	%		02/18/04 16:10	KSK	1718-51-0		
Phenol-d6 (S)	0	%		02/18/04 16:10	KSK	13127-88-3	3,4	
2-Fluorophenol (S)	2	%		02/18/04 16:10	KSK	367-12-4	3,4	
2,4,6-Tribromophenol (S)	44	%		02/18/04 16:10	KSK		3,4	
Date Extracted	02/16/04			02/16/04				
GC/MS Volatiles								
Volatile GC/MS by 624	Method: EPA 624							
Chloromethane	5.4	ug/l	1.0	02/17/04 19:04	PN1	74-87-3		
Vinyl chloride	ND	ug/l	1.0	02/17/04 19:04	PN1	75-01-4		
Bromomethane	19.	ug/l	1.0	02/17/04 19:04	PN1	74-83-9		
Chloroethane	ND	ug/l	1.0	02/17/04 19:04	PN1	75-00-3		
Trichlorofluoromethane	ND	ug/l	1.0	02/17/04 19:04	PN1	75-69-4		

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1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

Lab Sample No: 105333132 Project Sample Number: 1084665-001 Date Collected: 02/12/04 11:00
Client Sample ID: E04-0120-67432 Matrix: Water Date Received: 02/13/04 12:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Methylene chloride	ND	ug/l	1.0	02/17/04 19:04	PN1	75-09-2		
1,1-Dichloroethene	ND	ug/l	1.0	02/17/04 19:04	PN1	75-35-4		
trans-1,2-Dichloroethene	ND	ug/l	1.0	02/17/04 19:04	PN1	156-60-5		
1,1-Dichloroethane	ND	ug/l	1.0	02/17/04 19:04	PN1	75-34-3		
Chloroform	ND	ug/l	1.0	02/17/04 19:04	PN1	67-66-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	02/17/04 19:04	PN1	71-55-6		
Carbon tetrachloride	ND	ug/l	1.0	02/17/04 19:04	PN1	56-23-5		
Benzene	ND	ug/l	1.0	02/17/04 19:04	PN1	71-43-2		
1,2-Dichloroethane	ND	ug/l	1.0	02/17/04 19:04	PN1	107-06-2		
Trichloroethene	ND	ug/l	1.0	02/17/04 19:04	PN1	79-01-6		
1,2-Dichloropropane	ND	ug/l	1.0	02/17/04 19:04	PN1	78-87-5		
Bromodichloromethane	ND	ug/l	1.0	02/17/04 19:04	PN1	75-27-4		
trans-1,3-Dichloropropene	ND	ug/l	1.0	02/17/04 19:04	PN1	10061-02-6		
Toluene	20.	ug/l	1.0	02/17/04 19:04	PN1	108-88-3		
cis-1,3-Dichloropropene	ND	ug/l	1.0	02/17/04 19:04	PN1	10061-01-5		
1,1,2-Trichloroethane	ND	ug/l	1.0	02/17/04 19:04	PN1	79-00-5		
Tetrachloroethene	ND	ug/l	1.0	02/17/04 19:04	PN1	127-18-4		
Dibromochloromethane	ND	ug/l	1.0	02/17/04 19:04	PN1	124-48-1		
Chlorobenzene	ND	ug/l	1.0	02/17/04 19:04	PN1	108-90-7		
Ethylbenzene	ND	ug/l	1.0	02/17/04 19:04	PN1	100-41-4		
Xylene (Total)	3.6	ug/l	3.0	02/17/04 19:04	PN1	1330-20-7		
Bromoform	ND	ug/l	1.0	02/17/04 19:04	PN1	75-25-2		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	02/17/04 19:04	PN1	79-34-5		
1,3-Dichlorobenzene	ND	ug/l	1.0	02/17/04 19:04	PN1	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	02/17/04 19:04	PN1	106-46-7		
1,2-Dichlorobenzene	ND	ug/l	1.0	02/17/04 19:04	PN1	95-50-1		
2-Chloroethylvinyl ether	ND	ug/l	5.0	02/17/04 19:04	PN1	110-75-8		
Dibromofluoromethane (S)	96	%		02/17/04 19:04	PN1	1868-53-7		
Toluene-d8 (S)	89	%		02/17/04 19:04	PN1	2037-26-5		
4-Bromofluorobenzene (S)	97	%		02/17/04 19:04	PN1	460-00-4		
1,2-Dichloroethane-d4 (S)	92	%		02/17/04 19:04	PN1	17060-07-0		

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Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

Lab Sample No: 105333140 Project Sample Number: 1084665-002 Date Collected: 02/12/04 11:45
Client Sample ID: E04-0120-67434 Matrix: Water Date Received: 02/13/04 12:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Microbiology								
Biochemical Oxygen Demand, 5 d	Prep/Method: / SM 5210B							
BOD, 5 day	15	mg/l	6	02/18/04	JPH1		1,2	
Date Prepared	02/13/04 13:30			02/13/04 13:30				
Wet Chemistry								
Phenolics Total. in Water	Method: EPA 420.4							
Phenol	ND	ug/l	25.0	02/17/04	VAF	108-95-2		
GC/MS Semivolatiles								
625 Wastewater GC/MS SVOA	Prep/Method: EPA 625 / EPA 625							
Phenol	ND	ug/l	10.	02/18/04 17:04	KSK	108-95-2		
bis(2-Chloroethyl) ether	ND	ug/l	10.	02/18/04 17:04	KSK	111-44-4		
2-Chlorophenol	ND	ug/l	10.	02/18/04 17:04	KSK	95-57-8		
1,3-Dichlorobenzene	ND	ug/l	10.	02/18/04 17:04	KSK	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	10.	02/18/04 17:04	KSK	106-46-7		
1,2-Dichlorobenzene	ND	ug/l	10.	02/18/04 17:04	KSK	95-50-1		
bis(2-Chloroisopropyl) ether	ND	ug/l	10.	02/18/04 17:04	KSK	39638-32-9		
N-Nitroso-di-n-propylamine	ND	ug/l	10.	02/18/04 17:04	KSK	621-64-7		
Nitrobenzene	ND	ug/l	10.	02/18/04 17:04	KSK	98-95-3		
Isophorone	ND	ug/l	10.	02/18/04 17:04	KSK	78-59-1		
2-Nitrophenol	ND	ug/l	10.	02/18/04 17:04	KSK	88-75-5		
2,4-Dimethylphenol	ND	ug/l	10.	02/18/04 17:04	KSK	105-67-9		
bis(2-Chloroethoxy)methane	ND	ug/l	10.	02/18/04 17:04	KSK	111-91-1		
2,4-Dichlorophenol	ND	ug/l	10.	02/18/04 17:04	KSK	120-83-2		
1,2,4-Trichlorobenzene	ND	ug/l	10.	02/18/04 17:04	KSK	120-82-1		
Naphthalene	ND	ug/l	10.	02/18/04 17:04	KSK	91-20-3		
Hexachloro-1,3-butadiene	ND	ug/l	10.	02/18/04 17:04	KSK	87-68-3		
4-Chloro-3-methylphenol	ND	ug/l	10.	02/18/04 17:04	KSK	59-50-7		
2,4,6-Trichlorophenol	ND	ug/l	10.	02/18/04 17:04	KSK	88-06-2		
2-Chloronaphthalene	ND	ug/l	10.	02/18/04 17:04	KSK	91-58-7		
Dimethylphthalate	ND	ug/l	10.	02/18/04 17:04	KSK	131-11-3		
Acenaphthylene	ND	ug/l	10.	02/18/04 17:04	KSK	208-96-8		
2,6-Dinitrotoluene	ND	ug/l	10.	02/18/04 17:04	KSK	606-20-2		
Acenaphthene	ND	ug/l	10.	02/18/04 17:04	KSK	83-32-9		
2,4-Dinitrophenol	ND	ug/l	51.	02/18/04 17:04	KSK	51-28-5		
4-Nitrophenol	ND	ug/l	51.	02/18/04 17:04	KSK	100-02-7		
2,4-Dinitrotoluene	ND	ug/l	10.	02/18/04 17:04	KSK	121-14-2		
Diethylphthalate	ND	ug/l	10.	02/18/04 17:04	KSK	84-66-2		

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1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

Lab Sample No: 105333140 Project Sample Number: 1084665-002 Date Collected: 02/12/04 11:45
Client Sample ID: E04-0120-67434 Matrix: Water Date Received: 02/13/04 12:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
4-Chlorophenylphenyl ether	ND	ug/l	10.	02/18/04 17:04	KSK	7005-72-3		
Fluorene	ND	ug/l	10.	02/18/04 17:04	KSK	86-73-7		
4,6-Dinitro-2-methylphenol	ND	ug/l	51.	02/18/04 17:04	KSK	534-52-1		
4-Bromophenylphenyl ether	ND	ug/l	10.	02/18/04 17:04	KSK	101-55-3		
Hexachlorobenzene	ND	ug/l	10.	02/18/04 17:04	KSK	118-74-1		
Pentachlorophenol	ND	ug/l	24.	02/18/04 17:04	KSK	87-86-5		
Phenanthrene	ND	ug/l	10.	02/18/04 17:04	KSK	85-01-8		
Anthracene	ND	ug/l	10.	02/18/04 17:04	KSK	120-12-7		
Di-n-butylphthalate	ND	ug/l	10.	02/18/04 17:04	KSK	84-74-2		
Fluoranthene	ND	ug/l	10.	02/18/04 17:04	KSK	206-44-0		
Pyrene	ND	ug/l	10.	02/18/04 17:04	KSK	129-00-0		
Butylbenzylphthalate	ND	ug/l	10.	02/18/04 17:04	KSK	85-68-7		
3,3'-Dichlorobenzidine	ND	ug/l	21.	02/18/04 17:04	KSK	91-94-1		
Benzo(a)anthracene	ND	ug/l	10.	02/18/04 17:04	KSK	56-55-3		
Chrysene	ND	ug/l	10.	02/18/04 17:04	KSK	218-01-9		
bis(2-Ethylhexyl)phthalate	ND	ug/l	10.	02/18/04 17:04	KSK	117-81-7		
Di-n-octylphthalate	ND	ug/l	10.	02/18/04 17:04	KSK	117-84-0		
Benzo(b)fluoranthene	ND	ug/l	10.	02/18/04 17:04	KSK	205-99-2		
Benzo(k)fluoranthene	ND	ug/l	10.	02/18/04 17:04	KSK	207-08-9		
Benzo(a)pyrene	ND	ug/l	10.	02/18/04 17:04	KSK	50-32-8		
Indeno(1,2,3-cd)pyrene	ND	ug/l	10.	02/18/04 17:04	KSK	193-39-5		
Dibenz(a,h)anthracene	ND	ug/l	10.	02/18/04 17:04	KSK	53-70-3		
Benzo(g,h,i)perylene	ND	ug/l	10.	02/18/04 17:04	KSK	191-24-2		
Hexachloroethane	ND	ug/l	10.	02/18/04 17:04	KSK	67-72-1		
Nitrobenzene-d5 (S)	67	%		02/18/04 17:04	KSK	4165-60-0		
2-Fluorobiphenyl (S)	71	%		02/18/04 17:04	KSK	321-60-8		
Terphenyl-d14 (S)	80	%		02/18/04 17:04	KSK	1718-51-0		
Phenol-d6 (S)	32	%		02/18/04 17:04	KSK	13127-88-3	3,4	
2-Fluorophenol (S)	43	%		02/18/04 17:04	KSK	367-12-4	3,4	
2,4,6-Tribromophenol (S)	71	%		02/18/04 17:04	KSK			
Date Extracted	02/16/04			02/16/04				
GC/MS Volatiles								
Volatile GC/MS by 624	Method: EPA 624							
Chloromethane	ND	ug/l	1.0	02/17/04 20:00	PN1	74-87-3		
Vinyl chloride	ND	ug/l	1.0	02/17/04 20:00	PN1	75-01-4		
Bromomethane	6.7	ug/l	1.0	02/17/04 20:00	PN1	74-83-9		
Chloroethane	ND	ug/l	1.0	02/17/04 20:00	PN1	75-00-3		
Trichlorofluoromethane	ND	ug/l	1.0	02/17/04 20:00	PN1	75-69-4		

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Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

Lab Sample No: 105333140 Project Sample Number: 1084665-002 Date Collected: 02/12/04 11:45
Client Sample ID: E04-0120-67434 Matrix: Water Date Received: 02/13/04 12:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Methylene chloride	ND	ug/l	1.0	02/17/04 20:00	PN1	75-09-2		
1,1-Dichloroethene	ND	ug/l	1.0	02/17/04 20:00	PN1	75-35-4		
trans-1,2-Dichloroethene	ND	ug/l	1.0	02/17/04 20:00	PN1	156-60-5		
1,1-Dichloroethane	ND	ug/l	1.0	02/17/04 20:00	PN1	75-34-3		
Chloroform	ND	ug/l	1.0	02/17/04 20:00	PN1	67-66-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	02/17/04 20:00	PN1	71-55-6		
Carbon tetrachloride	ND	ug/l	1.0	02/17/04 20:00	PN1	56-23-5		
Benzene	ND	ug/l	1.0	02/17/04 20:00	PN1	71-43-2		
1,2-Dichloroethane	ND	ug/l	1.0	02/17/04 20:00	PN1	107-06-2		
Trichloroethene	ND	ug/l	1.0	02/17/04 20:00	PN1	79-01-6		
1,2-Dichloropropane	ND	ug/l	1.0	02/17/04 20:00	PN1	78-87-5		
Bromodichloromethane	ND	ug/l	1.0	02/17/04 20:00	PN1	75-27-4		
trans-1,3-Dichloropropene	ND	ug/l	1.0	02/17/04 20:00	PN1	10061-02-6		
Toluene	ND	ug/l	1.0	02/17/04 20:00	PN1	108-88-3		
cis-1,3-Dichloropropene	ND	ug/l	1.0	02/17/04 20:00	PN1	10061-01-5		
1,1,2-Trichloroethane	ND	ug/l	1.0	02/17/04 20:00	PN1	79-00-5		
Tetrachloroethene	ND	ug/l	1.0	02/17/04 20:00	PN1	127-18-4		
Dibromochloromethane	ND	ug/l	1.0	02/17/04 20:00	PN1	124-48-1		
Chlorobenzene	ND	ug/l	1.0	02/17/04 20:00	PN1	108-90-7		
Ethylbenzene	ND	ug/l	1.0	02/17/04 20:00	PN1	100-41-4		
Xylene (Total)	ND	ug/l	3.0	02/17/04 20:00	PN1	1330-20-7		
Bromoform	ND	ug/l	1.0	02/17/04 20:00	PN1	75-25-2		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	02/17/04 20:00	PN1	79-34-5		
1,3-Dichlorobenzene	ND	ug/l	1.0	02/17/04 20:00	PN1	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	02/17/04 20:00	PN1	106-46-7		
1,2-Dichlorobenzene	ND	ug/l	1.0	02/17/04 20:00	PN1	95-50-1		
2-Chloroethylvinyl ether	ND	ug/l	5.0	02/17/04 20:00	PN1	110-75-8		
Dibromofluoromethane (S)	90	%		02/17/04 20:00	PN1	1868-53-7		
Toluene-d8 (S)	78	%		02/17/04 20:00	PN1	2037-26-5		
4-Bromofluorobenzene (S)	85	%		02/17/04 20:00	PN1	460-00-4		
1,2-Dichloroethane-d4 (S)	88	%		02/17/04 20:00	PN1	17060-07-0		

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Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

Lab Sample No: 105333157 Project Sample Number: 1084665-003 Date Collected: 02/12/04 11:20
Client Sample ID: E04-0120-67439 Matrix: Water Date Received: 02/13/04 12:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Microbiology								
Biochemical Oxygen Demand, 5 d	Prep/Method: / SM 5210B							
BOD, 5 day	42	mg/l	6	02/18/04	JPH1		1,2	
Date Prepared	02/13/04 13:30			02/13/04 13:30				
Wet Chemistry								
Phenolics Total. in Water	Method: EPA 420.4							
Phenol	ND	ug/l	25.0	02/17/04	VAF	108-95-2		
GC/MS Semivolatiles								
625 Wastewater GC/MS SVOA	Prep/Method: EPA 625 / EPA 625							
Phenol	ND	ug/l	10.	02/18/04 17:57	KSK	108-95-2		
bis(2-Chloroethyl) ether	ND	ug/l	10.	02/18/04 17:57	KSK	111-44-4		
2-Chlorophenol	ND	ug/l	10.	02/18/04 17:57	KSK	95-57-8		
1,3-Dichlorobenzene	ND	ug/l	10.	02/18/04 17:57	KSK	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	10.	02/18/04 17:57	KSK	106-46-7		
1,2-Dichlorobenzene	ND	ug/l	10.	02/18/04 17:57	KSK	95-50-1		
bis(2-Chloroisopropyl) ether	ND	ug/l	10.	02/18/04 17:57	KSK	39638-32-9		
N-Nitroso-di-n-propylamine	ND	ug/l	10.	02/18/04 17:57	KSK	621-64-7		
Nitrobenzene	ND	ug/l	10.	02/18/04 17:57	KSK	98-95-3		
Isophorone	ND	ug/l	10.	02/18/04 17:57	KSK	78-59-1		
2-Nitrophenol	ND	ug/l	10.	02/18/04 17:57	KSK	88-75-5		
2,4-Dimethylphenol	ND	ug/l	10.	02/18/04 17:57	KSK	105-67-9		
bis(2-Chloroethoxy)methane	ND	ug/l	10.	02/18/04 17:57	KSK	111-91-1		
2,4-Dichlorophenol	ND	ug/l	10.	02/18/04 17:57	KSK	120-83-2		
1,2,4-Trichlorobenzene	ND	ug/l	10.	02/18/04 17:57	KSK	120-82-1		
Naphthalene	ND	ug/l	10.	02/18/04 17:57	KSK	91-20-3		
Hexachloro-1,3-butadiene	ND	ug/l	10.	02/18/04 17:57	KSK	87-68-3		
4-Chloro-3-methylphenol	ND	ug/l	10.	02/18/04 17:57	KSK	59-50-7		
2,4,6-Trichlorophenol	ND	ug/l	10.	02/18/04 17:57	KSK	88-06-2		
2-Chloronaphthalene	ND	ug/l	10.	02/18/04 17:57	KSK	91-58-7		
Dimethylphthalate	ND	ug/l	10.	02/18/04 17:57	KSK	131-11-3		
Acenaphthylene	ND	ug/l	10.	02/18/04 17:57	KSK	208-96-8		
2,6-Dinitrotoluene	ND	ug/l	10.	02/18/04 17:57	KSK	606-20-2		
Acenaphthene	ND	ug/l	10.	02/18/04 17:57	KSK	83-32-9		
2,4-Dinitrophenol	ND	ug/l	51.	02/18/04 17:57	KSK	51-28-5		
4-Nitrophenol	ND	ug/l	51.	02/18/04 17:57	KSK	100-02-7		
2,4-Dinitrotoluene	ND	ug/l	10.	02/18/04 17:57	KSK	121-14-2		
Diethylphthalate	ND	ug/l	10.	02/18/04 17:57	KSK	84-66-2		

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Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

Lab Sample No: 105333157 Project Sample Number: 1084665-003 Date Collected: 02/12/04 11:20
Client Sample ID: E04-0120-67439 Matrix: Water Date Received: 02/13/04 12:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
4-Chlorophenylphenyl ether	ND	ug/l	10.	02/18/04 17:57	KSK	7005-72-3		
Fluorene	ND	ug/l	10.	02/18/04 17:57	KSK	86-73-7		
4,6-Dinitro-2-methylphenol	ND	ug/l	51.	02/18/04 17:57	KSK	534-52-1		
4-Bromophenylphenyl ether	ND	ug/l	10.	02/18/04 17:57	KSK	101-55-3		
Hexachlorobenzene	ND	ug/l	10.	02/18/04 17:57	KSK	118-74-1		
Pentachlorophenol	ND	ug/l	23.	02/18/04 17:57	KSK	87-86-5		
Phenanthrene	ND	ug/l	10.	02/18/04 17:57	KSK	85-01-8		
Anthracene	ND	ug/l	10.	02/18/04 17:57	KSK	120-12-7		
Di-n-butylphthalate	ND	ug/l	10.	02/18/04 17:57	KSK	84-74-2		
Fluoranthene	ND	ug/l	10.	02/18/04 17:57	KSK	206-44-0		
Pyrene	ND	ug/l	10.	02/18/04 17:57	KSK	129-00-0		
Butylbenzylphthalate	ND	ug/l	10.	02/18/04 17:57	KSK	85-68-7		
3,3'-Dichlorobenzidine	ND	ug/l	20.	02/18/04 17:57	KSK	91-94-1		
Benzo(a)anthracene	ND	ug/l	10.	02/18/04 17:57	KSK	56-55-3		
Chrysene	ND	ug/l	10.	02/18/04 17:57	KSK	218-01-9		
bis(2-Ethylhexyl)phthalate	ND	ug/l	10.	02/18/04 17:57	KSK	117-81-7		
Di-n-octylphthalate	ND	ug/l	10.	02/18/04 17:57	KSK	117-84-0		
Benzo(b)fluoranthene	ND	ug/l	10.	02/18/04 17:57	KSK	205-99-2		
Benzo(k)fluoranthene	ND	ug/l	10.	02/18/04 17:57	KSK	207-08-9		
Benzo(a)pyrene	ND	ug/l	10.	02/18/04 17:57	KSK	50-32-8		
Indeno(1,2,3-cd)pyrene	ND	ug/l	10.	02/18/04 17:57	KSK	193-39-5		
Dibenz(a,h)anthracene	ND	ug/l	10.	02/18/04 17:57	KSK	53-70-3		
Benzo(g,h,i)perylene	ND	ug/l	10.	02/18/04 17:57	KSK	191-24-2		
Hexachloroethane	ND	ug/l	10.	02/18/04 17:57	KSK	67-72-1		
Nitrobenzene-d5 (S)	71	%		02/18/04 17:57	KSK	4165-60-0		
2-Fluorobiphenyl (S)	79	%		02/18/04 17:57	KSK	321-60-8		
Terphenyl-d14 (S)	81	%		02/18/04 17:57	KSK	1718-51-0		
Phenol-d6 (S)	21	%		02/18/04 17:57	KSK	13127-88-3	3,4	
2-Fluorophenol (S)	32	%		02/18/04 17:57	KSK	367-12-4	3,4	
2,4,6-Tribromophenol (S)	62	%		02/18/04 17:57	KSK			
Date Extracted	02/16/04			02/16/04				
GC/MS Volatiles								
Volatile GC/MS by 624	Method: EPA 624							
Chloromethane	ND	ug/l	1.0	02/17/04 20:28	PN1	74-87-3		
Vinyl chloride	ND	ug/l	1.0	02/17/04 20:28	PN1	75-01-4		
Bromomethane	7.5	ug/l	1.0	02/17/04 20:28	PN1	74-83-9		
Chloroethane	ND	ug/l	1.0	02/17/04 20:28	PN1	75-00-3		
Trichlorofluoromethane	ND	ug/l	1.0	02/17/04 20:28	PN1	75-69-4		

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Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

Lab Sample No: 105333157 Project Sample Number: 1084665-003 Date Collected: 02/12/04 11:20
Client Sample ID: E04-0120-67439 Matrix: Water Date Received: 02/13/04 12:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Methylene chloride	ND	ug/l	1.0	02/17/04 20:28	PN1	75-09-2		
1,1-Dichloroethene	ND	ug/l	1.0	02/17/04 20:28	PN1	75-35-4		
trans-1,2-Dichloroethene	ND	ug/l	1.0	02/17/04 20:28	PN1	156-60-5		
1,1-Dichloroethane	ND	ug/l	1.0	02/17/04 20:28	PN1	75-34-3		
Chloroform	ND	ug/l	1.0	02/17/04 20:28	PN1	67-66-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	02/17/04 20:28	PN1	71-55-6		
Carbon tetrachloride	ND	ug/l	1.0	02/17/04 20:28	PN1	56-23-5		
Benzene	ND	ug/l	1.0	02/17/04 20:28	PN1	71-43-2		
1,2-Dichloroethane	ND	ug/l	1.0	02/17/04 20:28	PN1	107-06-2		
Trichloroethene	ND	ug/l	1.0	02/17/04 20:28	PN1	79-01-6		
1,2-Dichloropropane	ND	ug/l	1.0	02/17/04 20:28	PN1	78-87-5		
Bromodichloromethane	ND	ug/l	1.0	02/17/04 20:28	PN1	75-27-4		
trans-1,3-Dichloropropene	ND	ug/l	1.0	02/17/04 20:28	PN1	10061-02-6		
Toluene	ND	ug/l	1.0	02/17/04 20:28	PN1	108-88-3		
cis-1,3-Dichloropropene	ND	ug/l	1.0	02/17/04 20:28	PN1	10061-01-5		
1,1,2-Trichloroethane	ND	ug/l	1.0	02/17/04 20:28	PN1	79-00-5		
Tetrachloroethene	ND	ug/l	1.0	02/17/04 20:28	PN1	127-18-4		
Dibromochloromethane	ND	ug/l	1.0	02/17/04 20:28	PN1	124-48-1		
Chlorobenzene	ND	ug/l	1.0	02/17/04 20:28	PN1	108-90-7		
Ethylbenzene	ND	ug/l	1.0	02/17/04 20:28	PN1	100-41-4		
Xylene (Total)	ND	ug/l	3.0	02/17/04 20:28	PN1	1330-20-7		
Bromoform	ND	ug/l	1.0	02/17/04 20:28	PN1	75-25-2		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	02/17/04 20:28	PN1	79-34-5		
1,3-Dichlorobenzene	ND	ug/l	1.0	02/17/04 20:28	PN1	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	02/17/04 20:28	PN1	106-46-7		
1,2-Dichlorobenzene	ND	ug/l	1.0	02/17/04 20:28	PN1	95-50-1		
2-Chloroethylvinyl ether	ND	ug/l	5.0	02/17/04 20:28	PN1	110-75-8		
Dibromofluoromethane (S)	97	%		02/17/04 20:28	PN1	1868-53-7		
Toluene-d8 (S)	80	%		02/17/04 20:28	PN1	2037-26-5		
4-Bromofluorobenzene (S)	87	%		02/17/04 20:28	PN1	460-00-4		
1,2-Dichloroethane-d4 (S)	91	%		02/17/04 20:28	PN1	17060-07-0		

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Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

Lab Sample No: 105333165 Project Sample Number: 1084665-004 Date Collected: 02/12/04 11:35
Client Sample ID: E04-0120-67438 Matrix: Water Date Received: 02/13/04 12:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Microbiology								
Biochemical Oxygen Demand, 5 d	Prep/Method: / SM 5210B							
BOD, 5 day	43	mg/l	6	02/18/04	JPH1		1,2	
Date Prepared	02/13/04 13:30			02/13/04 13:30				
Wet Chemistry								
Phenolics Total. in Water	Method: EPA 420.4							
Phenol	ND	ug/l	25.0	02/17/04	VAF	108-95-2		
GC/MS Semivolatiles								
625 Wastewater GC/MS SVOA	Prep/Method: EPA 625 / EPA 625							
Phenol	ND	ug/l	10.	02/18/04 18:50	KSK	108-95-2		
bis(2-Chloroethyl) ether	ND	ug/l	10.	02/18/04 18:50	KSK	111-44-4		
2-Chlorophenol	ND	ug/l	10.	02/18/04 18:50	KSK	95-57-8		
1,3-Dichlorobenzene	ND	ug/l	10.	02/18/04 18:50	KSK	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	10.	02/18/04 18:50	KSK	106-46-7		
1,2-Dichlorobenzene	ND	ug/l	10.	02/18/04 18:50	KSK	95-50-1		
bis(2-Chloroisopropyl) ether	ND	ug/l	10.	02/18/04 18:50	KSK	39638-32-9		
N-Nitroso-di-n-propylamine	ND	ug/l	10.	02/18/04 18:50	KSK	621-64-7		
Nitrobenzene	ND	ug/l	10.	02/18/04 18:50	KSK	98-95-3		
Isophorone	ND	ug/l	10.	02/18/04 18:50	KSK	78-59-1		
2-Nitrophenol	ND	ug/l	10.	02/18/04 18:50	KSK	88-75-5		
2,4-Dimethylphenol	ND	ug/l	10.	02/18/04 18:50	KSK	105-67-9		
bis(2-Chloroethoxy)methane	ND	ug/l	10.	02/18/04 18:50	KSK	111-91-1		
2,4-Dichlorophenol	ND	ug/l	10.	02/18/04 18:50	KSK	120-83-2		
1,2,4-Trichlorobenzene	ND	ug/l	10.	02/18/04 18:50	KSK	120-82-1		
Naphthalene	ND	ug/l	10.	02/18/04 18:50	KSK	91-20-3		
Hexachloro-1,3-butadiene	ND	ug/l	10.	02/18/04 18:50	KSK	87-68-3		
4-Chloro-3-methylphenol	ND	ug/l	10.	02/18/04 18:50	KSK	59-50-7		
2,4,6-Trichlorophenol	ND	ug/l	10.	02/18/04 18:50	KSK	88-06-2		
2-Chloronaphthalene	ND	ug/l	10.	02/18/04 18:50	KSK	91-58-7		
Dimethylphthalate	ND	ug/l	10.	02/18/04 18:50	KSK	131-11-3		
Acenaphthylene	ND	ug/l	10.	02/18/04 18:50	KSK	208-96-8		
2,6-Dinitrotoluene	ND	ug/l	10.	02/18/04 18:50	KSK	606-20-2		
Acenaphthene	ND	ug/l	10.	02/18/04 18:50	KSK	83-32-9		
2,4-Dinitrophenol	ND	ug/l	52.	02/18/04 18:50	KSK	51-28-5		
4-Nitrophenol	ND	ug/l	52.	02/18/04 18:50	KSK	100-02-7		
2,4-Dinitrotoluene	ND	ug/l	10.	02/18/04 18:50	KSK	121-14-2		
Diethylphthalate	ND	ug/l	10.	02/18/04 18:50	KSK	84-66-2		

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Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

Lab Sample No: 105333165 Project Sample Number: 1084665-004 Date Collected: 02/12/04 11:35
Client Sample ID: E04-0120-67438 Matrix: Water Date Received: 02/13/04 12:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
4-Chlorophenylphenyl ether	ND	ug/l	10.	02/18/04 18:50	KSK	7005-72-3		
Fluorene	ND	ug/l	10.	02/18/04 18:50	KSK	86-73-7		
4,6-Dinitro-2-methylphenol	ND	ug/l	52.	02/18/04 18:50	KSK	534-52-1		
4-Bromophenylphenyl ether	ND	ug/l	10.	02/18/04 18:50	KSK	101-55-3		
Hexachlorobenzene	ND	ug/l	10.	02/18/04 18:50	KSK	118-74-1		
Pentachlorophenol	ND	ug/l	24.	02/18/04 18:50	KSK	87-86-5		
Phenanthrene	ND	ug/l	10.	02/18/04 18:50	KSK	85-01-8		
Anthracene	ND	ug/l	10.	02/18/04 18:50	KSK	120-12-7		
Di-n-butylphthalate	ND	ug/l	10.	02/18/04 18:50	KSK	84-74-2		
Fluoranthene	ND	ug/l	10.	02/18/04 18:50	KSK	206-44-0		
Pyrene	ND	ug/l	10.	02/18/04 18:50	KSK	129-00-0		
Butylbenzylphthalate	ND	ug/l	10.	02/18/04 18:50	KSK	85-68-7		
3,3'-Dichlorobenzidine	ND	ug/l	21.	02/18/04 18:50	KSK	91-94-1		
Benzo(a)anthracene	ND	ug/l	10.	02/18/04 18:50	KSK	56-55-3		
Chrysene	ND	ug/l	10.	02/18/04 18:50	KSK	218-01-9		
bis(2-Ethylhexyl)phthalate	ND	ug/l	10.	02/18/04 18:50	KSK	117-81-7		
Di-n-octylphthalate	ND	ug/l	10.	02/18/04 18:50	KSK	117-84-0		
Benzo(b)fluoranthene	ND	ug/l	10.	02/18/04 18:50	KSK	205-99-2		
Benzo(k)fluoranthene	ND	ug/l	10.	02/18/04 18:50	KSK	207-08-9		
Benzo(a)pyrene	ND	ug/l	10.	02/18/04 18:50	KSK	50-32-8		
Indeno(1,2,3-cd)pyrene	ND	ug/l	10.	02/18/04 18:50	KSK	193-39-5		
Dibenz(a,h)anthracene	ND	ug/l	10.	02/18/04 18:50	KSK	53-70-3		
Benzo(g,h,i)perylene	ND	ug/l	10.	02/18/04 18:50	KSK	191-24-2		
Hexachloroethane	ND	ug/l	10.	02/18/04 18:50	KSK	67-72-1		
Nitrobenzene-d5 (S)	80	%		02/18/04 18:50	KSK	4165-60-0		
2-Fluorobiphenyl (S)	86	%		02/18/04 18:50	KSK	321-60-8		
Terphenyl-d14 (S)	82	%		02/18/04 18:50	KSK	1718-51-0		
Phenol-d6 (S)	0	%		02/18/04 18:50	KSK	13127-88-3	3,4	
2-Fluorophenol (S)	0	%		02/18/04 18:50	KSK	367-12-4	3,4	
2,4,6-Tribromophenol (S)	2	%		02/18/04 18:50	KSK		3,4	
Date Extracted	02/16/04			02/16/04				
GC/MS Volatiles								
Volatile GC/MS by 624	Method: EPA 624							
Chloromethane	ND	ug/l	1.0	02/17/04 20:56	PN1	74-87-3		
Vinyl chloride	ND	ug/l	1.0	02/17/04 20:56	PN1	75-01-4		
Bromomethane	4.8	ug/l	1.0	02/17/04 20:56	PN1	74-83-9		
Chloroethane	ND	ug/l	1.0	02/17/04 20:56	PN1	75-00-3		
Trichlorofluoromethane	ND	ug/l	1.0	02/17/04 20:56	PN1	75-69-4		

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Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

Lab Sample No: 105333165 Project Sample Number: 1084665-004 Date Collected: 02/12/04 11:35
Client Sample ID: E04-0120-67438 Matrix: Water Date Received: 02/13/04 12:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Methylene chloride	4.4	ug/l	1.0	02/17/04 20:56	PN1	75-09-2		
1,1-Dichloroethene	ND	ug/l	1.0	02/17/04 20:56	PN1	75-35-4		
trans-1,2-Dichloroethene	ND	ug/l	1.0	02/17/04 20:56	PN1	156-60-5		
1,1-Dichloroethane	ND	ug/l	1.0	02/17/04 20:56	PN1	75-34-3		
Chloroform	ND	ug/l	1.0	02/17/04 20:56	PN1	67-66-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	02/17/04 20:56	PN1	71-55-6		
Carbon tetrachloride	ND	ug/l	1.0	02/17/04 20:56	PN1	56-23-5		
Benzene	ND	ug/l	1.0	02/17/04 20:56	PN1	71-43-2		
1,2-Dichloroethane	ND	ug/l	1.0	02/17/04 20:56	PN1	107-06-2		
Trichloroethene	ND	ug/l	1.0	02/17/04 20:56	PN1	79-01-6		
1,2-Dichloropropane	ND	ug/l	1.0	02/17/04 20:56	PN1	78-87-5		
Bromodichloromethane	ND	ug/l	1.0	02/17/04 20:56	PN1	75-27-4		
trans-1,3-Dichloropropene	ND	ug/l	1.0	02/17/04 20:56	PN1	10061-02-6		
Toluene	ND	ug/l	1.0	02/17/04 20:56	PN1	108-88-3		
cis-1,3-Dichloropropene	ND	ug/l	1.0	02/17/04 20:56	PN1	10061-01-5		
1,1,2-Trichloroethane	ND	ug/l	1.0	02/17/04 20:56	PN1	79-00-5		
Tetrachloroethene	ND	ug/l	1.0	02/17/04 20:56	PN1	127-18-4		
Dibromochloromethane	ND	ug/l	1.0	02/17/04 20:56	PN1	124-48-1		
Chlorobenzene	ND	ug/l	1.0	02/17/04 20:56	PN1	108-90-7		
Ethylbenzene	ND	ug/l	1.0	02/17/04 20:56	PN1	100-41-4		
Xylene (Total)	ND	ug/l	3.0	02/17/04 20:56	PN1	1330-20-7		
Bromoform	ND	ug/l	1.0	02/17/04 20:56	PN1	75-25-2		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	02/17/04 20:56	PN1	79-34-5		
1,3-Dichlorobenzene	ND	ug/l	1.0	02/17/04 20:56	PN1	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	02/17/04 20:56	PN1	106-46-7		
1,2-Dichlorobenzene	ND	ug/l	1.0	02/17/04 20:56	PN1	95-50-1		
2-Chloroethylvinyl ether	ND	ug/l	5.0	02/17/04 20:56	PN1	110-75-8		
Dibromofluoromethane (S)	98	%		02/17/04 20:56	PN1	1868-53-7		
Toluene-d8 (S)	83	%		02/17/04 20:56	PN1	2037-26-5		
4-Bromofluorobenzene (S)	89	%		02/17/04 20:56	PN1	460-00-4		
1,2-Dichloroethane-d4 (S)	88	%		02/17/04 20:56	PN1	17060-07-0		

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Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

Lab Sample No: 105333173 Project Sample Number: 1084665-005 Date Collected: 02/12/04 11:10
Client Sample ID: E04-0120-67435 Matrix: Water Date Received: 02/13/04 12:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Microbiology								
Biochemical Oxygen Demand, 5 d	Prep/Method: / SM 5210B							
BOD, 5 day	43	mg/l	6	02/18/04	JPH1		1,2	
Date Prepared	02/13/04 13:30			02/13/04 13:30				
Wet Chemistry								
Phenolics Total. in Water	Method: EPA 420.4							
Phenol	ND	ug/l	25.0	02/17/04	VAF	108-95-2		
GC/MS Semivolatiles								
625 Wastewater GC/MS SVOA	Prep/Method: EPA 625 / EPA 625							
Phenol	ND	ug/l	10.	02/18/04 19:44	KSK	108-95-2		
bis(2-Chloroethyl) ether	ND	ug/l	10.	02/18/04 19:44	KSK	111-44-4		
2-Chlorophenol	ND	ug/l	10.	02/18/04 19:44	KSK	95-57-8		
1,3-Dichlorobenzene	ND	ug/l	10.	02/18/04 19:44	KSK	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	10.	02/18/04 19:44	KSK	106-46-7		
1,2-Dichlorobenzene	ND	ug/l	10.	02/18/04 19:44	KSK	95-50-1		
bis(2-Chloroisopropyl) ether	ND	ug/l	10.	02/18/04 19:44	KSK	39638-32-9		
N-Nitroso-di-n-propylamine	ND	ug/l	10.	02/18/04 19:44	KSK	621-64-7		
Nitrobenzene	ND	ug/l	10.	02/18/04 19:44	KSK	98-95-3		
Isophorone	ND	ug/l	10.	02/18/04 19:44	KSK	78-59-1		
2-Nitrophenol	ND	ug/l	10.	02/18/04 19:44	KSK	88-75-5		
2,4-Dimethylphenol	ND	ug/l	10.	02/18/04 19:44	KSK	105-67-9		
bis(2-Chloroethoxy)methane	ND	ug/l	10.	02/18/04 19:44	KSK	111-91-1		
2,4-Dichlorophenol	ND	ug/l	10.	02/18/04 19:44	KSK	120-83-2		
1,2,4-Trichlorobenzene	ND	ug/l	10.	02/18/04 19:44	KSK	120-82-1		
Naphthalene	ND	ug/l	10.	02/18/04 19:44	KSK	91-20-3		
Hexachloro-1,3-butadiene	ND	ug/l	10.	02/18/04 19:44	KSK	87-68-3		
4-Chloro-3-methylphenol	ND	ug/l	10.	02/18/04 19:44	KSK	59-50-7		
2,4,6-Trichlorophenol	ND	ug/l	10.	02/18/04 19:44	KSK	88-06-2		
2-Chloronaphthalene	ND	ug/l	10.	02/18/04 19:44	KSK	91-58-7		
Dimethylphthalate	ND	ug/l	10.	02/18/04 19:44	KSK	131-11-3		
Acenaphthylene	ND	ug/l	10.	02/18/04 19:44	KSK	208-96-8		
2,6-Dinitrotoluene	ND	ug/l	10.	02/18/04 19:44	KSK	606-20-2		
Acenaphthene	ND	ug/l	10.	02/18/04 19:44	KSK	83-32-9		
2,4-Dinitrophenol	ND	ug/l	52.	02/18/04 19:44	KSK	51-28-5		
4-Nitrophenol	ND	ug/l	52.	02/18/04 19:44	KSK	100-02-7		
2,4-Dinitrotoluene	ND	ug/l	10.	02/18/04 19:44	KSK	121-14-2		
Diethylphthalate	ND	ug/l	10.	02/18/04 19:44	KSK	84-66-2		

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www.pacelabs.com

Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

Lab Sample No: 105333173 Project Sample Number: 1084665-005 Date Collected: 02/12/04 11:10
Client Sample ID: E04-0120-67435 Matrix: Water Date Received: 02/13/04 12:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
4-Chlorophenylphenyl ether	ND	ug/l	10.	02/18/04 19:44	KSK	7005-72-3		
Fluorene	ND	ug/l	10.	02/18/04 19:44	KSK	86-73-7		
4,6-Dinitro-2-methylphenol	ND	ug/l	52.	02/18/04 19:44	KSK	534-52-1		
4-Bromophenylphenyl ether	ND	ug/l	10.	02/18/04 19:44	KSK	101-55-3		
Hexachlorobenzene	ND	ug/l	10.	02/18/04 19:44	KSK	118-74-1		
Pentachlorophenol	ND	ug/l	24.	02/18/04 19:44	KSK	87-86-5		
Phenanthrene	ND	ug/l	10.	02/18/04 19:44	KSK	85-01-8		
Anthracene	ND	ug/l	10.	02/18/04 19:44	KSK	120-12-7		
Di-n-butylphthalate	ND	ug/l	10.	02/18/04 19:44	KSK	84-74-2		
Fluoranthene	ND	ug/l	10.	02/18/04 19:44	KSK	206-44-0		
Pyrene	ND	ug/l	10.	02/18/04 19:44	KSK	129-00-0		
Butylbenzylphthalate	ND	ug/l	10.	02/18/04 19:44	KSK	85-68-7		
3,3'-Dichlorobenzidine	ND	ug/l	21.	02/18/04 19:44	KSK	91-94-1		
Benzo(a)anthracene	ND	ug/l	10.	02/18/04 19:44	KSK	56-55-3		
Chrysene	ND	ug/l	10.	02/18/04 19:44	KSK	218-01-9		
bis(2-Ethylhexyl)phthalate	ND	ug/l	10.	02/18/04 19:44	KSK	117-81-7		
Di-n-octylphthalate	ND	ug/l	10.	02/18/04 19:44	KSK	117-84-0		
Benzo(b)fluoranthene	ND	ug/l	10.	02/18/04 19:44	KSK	205-99-2		
Benzo(k)fluoranthene	ND	ug/l	10.	02/18/04 19:44	KSK	207-08-9		
Benzo(a)pyrene	ND	ug/l	10.	02/18/04 19:44	KSK	50-32-8		
Indeno(1,2,3-cd)pyrene	ND	ug/l	10.	02/18/04 19:44	KSK	193-39-5		
Dibenz(a,h)anthracene	ND	ug/l	10.	02/18/04 19:44	KSK	53-70-3		
Benzo(g,h,i)perylene	ND	ug/l	10.	02/18/04 19:44	KSK	191-24-2		
Hexachloroethane	ND	ug/l	10.	02/18/04 19:44	KSK	67-72-1		
Nitrobenzene-d5 (S)	78	%		02/18/04 19:44	KSK	4165-60-0		
2-Fluorobiphenyl (S)	83	%		02/18/04 19:44	KSK	321-60-8		
Terphenyl-d14 (S)	81	%		02/18/04 19:44	KSK	1718-51-0		
Phenol-d6 (S)	1	%		02/18/04 19:44	KSK	13127-88-3	3,4	
2-Fluorophenol (S)	12	%		02/18/04 19:44	KSK	367-12-4	3,4	
2,4,6-Tribromophenol (S)	54	%		02/18/04 19:44	KSK			
Date Extracted	02/16/04			02/16/04				
GC/MS Volatiles								
Volatile GC/MS by 624	Method: EPA 624							
Chloromethane	ND	ug/l	1.0	02/17/04 21:23	PN1	74-87-3		
Vinyl chloride	ND	ug/l	1.0	02/17/04 21:23	PN1	75-01-4		
Bromomethane	3.2	ug/l	1.0	02/17/04 21:23	PN1	74-83-9		
Chloroethane	ND	ug/l	1.0	02/17/04 21:23	PN1	75-00-3		
Trichlorofluoromethane	ND	ug/l	1.0	02/17/04 21:23	PN1	75-69-4		

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www.pacelabs.com

Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

Lab Sample No: 105333173 Project Sample Number: 1084665-005 Date Collected: 02/12/04 11:10
Client Sample ID: E04-0120-67435 Matrix: Water Date Received: 02/13/04 12:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Methylene chloride	4.6	ug/l	1.0	02/17/04 21:23	PN1	75-09-2		
1,1-Dichloroethene	ND	ug/l	1.0	02/17/04 21:23	PN1	75-35-4		
trans-1,2-Dichloroethene	ND	ug/l	1.0	02/17/04 21:23	PN1	156-60-5		
1,1-Dichloroethane	ND	ug/l	1.0	02/17/04 21:23	PN1	75-34-3		
Chloroform	ND	ug/l	1.0	02/17/04 21:23	PN1	67-66-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	02/17/04 21:23	PN1	71-55-6		
Carbon tetrachloride	ND	ug/l	1.0	02/17/04 21:23	PN1	56-23-5		
Benzene	ND	ug/l	1.0	02/17/04 21:23	PN1	71-43-2		
1,2-Dichloroethane	ND	ug/l	1.0	02/17/04 21:23	PN1	107-06-2		
Trichloroethene	ND	ug/l	1.0	02/17/04 21:23	PN1	79-01-6		
1,2-Dichloropropane	ND	ug/l	1.0	02/17/04 21:23	PN1	78-87-5		
Bromodichloromethane	ND	ug/l	1.0	02/17/04 21:23	PN1	75-27-4		
trans-1,3-Dichloropropene	ND	ug/l	1.0	02/17/04 21:23	PN1	10061-02-6		
Toluene	4.0	ug/l	1.0	02/17/04 21:23	PN1	108-88-3		
cis-1,3-Dichloropropene	ND	ug/l	1.0	02/17/04 21:23	PN1	10061-01-5		
1,1,2-Trichloroethane	ND	ug/l	1.0	02/17/04 21:23	PN1	79-00-5		
Tetrachloroethene	ND	ug/l	1.0	02/17/04 21:23	PN1	127-18-4		
Dibromochloromethane	ND	ug/l	1.0	02/17/04 21:23	PN1	124-48-1		
Chlorobenzene	ND	ug/l	1.0	02/17/04 21:23	PN1	108-90-7		
Ethylbenzene	ND	ug/l	1.0	02/17/04 21:23	PN1	100-41-4		
Xylene (Total)	ND	ug/l	3.0	02/17/04 21:23	PN1	1330-20-7		
Bromoform	ND	ug/l	1.0	02/17/04 21:23	PN1	75-25-2		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	02/17/04 21:23	PN1	79-34-5		
1,3-Dichlorobenzene	ND	ug/l	1.0	02/17/04 21:23	PN1	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	02/17/04 21:23	PN1	106-46-7		
1,2-Dichlorobenzene	ND	ug/l	1.0	02/17/04 21:23	PN1	95-50-1		
2-Chloroethylvinyl ether	ND	ug/l	5.0	02/17/04 21:23	PN1	110-75-8		
Dibromofluoromethane (S)	100	%		02/17/04 21:23	PN1	1868-53-7		
Toluene-d8 (S)	90	%		02/17/04 21:23	PN1	2037-26-5		
4-Bromofluorobenzene (S)	95	%		02/17/04 21:23	PN1	460-00-4		
1,2-Dichloroethane-d4 (S)	93	%		02/17/04 21:23	PN1	17060-07-0		

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Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

Lab Sample No: 105333181 Project Sample Number: 1084665-006 Date Collected: 02/12/04 12:00
Client Sample ID: E04-0120-67442 Matrix: Water Date Received: 02/13/04 12:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Microbiology								
Biochemical Oxygen Demand, 5 d	Prep/Method: / SM 5210B							
BOD, 5 day	24	mg/l	6	02/18/04	JPH1		1,2	
Date Prepared	02/13/04 13:30			02/13/04 13:30				
Wet Chemistry								
Phenolics Total. in Water	Method: EPA 420.4							
Phenol	ND	ug/l	25.0	02/17/04	VAF	108-95-2		
GC/MS Semivolatiles								
625 Wastewater GC/MS SVOA	Prep/Method: EPA 625 / EPA 625							
Phenol	ND	ug/l	10.	02/18/04 20:37	KSK	108-95-2		
bis(2-Chloroethyl) ether	ND	ug/l	10.	02/18/04 20:37	KSK	111-44-4		
2-Chlorophenol	ND	ug/l	10.	02/18/04 20:37	KSK	95-57-8		
1,3-Dichlorobenzene	ND	ug/l	10.	02/18/04 20:37	KSK	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	10.	02/18/04 20:37	KSK	106-46-7		
1,2-Dichlorobenzene	ND	ug/l	10.	02/18/04 20:37	KSK	95-50-1		
bis(2-Chloroisopropyl) ether	ND	ug/l	10.	02/18/04 20:37	KSK	39638-32-9		
N-Nitroso-di-n-propylamine	ND	ug/l	10.	02/18/04 20:37	KSK	621-64-7		
Nitrobenzene	ND	ug/l	10.	02/18/04 20:37	KSK	98-95-3		
Isophorone	ND	ug/l	10.	02/18/04 20:37	KSK	78-59-1		
2-Nitrophenol	ND	ug/l	10.	02/18/04 20:37	KSK	88-75-5		
2,4-Dimethylphenol	ND	ug/l	10.	02/18/04 20:37	KSK	105-67-9		
bis(2-Chloroethoxy)methane	ND	ug/l	10.	02/18/04 20:37	KSK	111-91-1		
2,4-Dichlorophenol	ND	ug/l	10.	02/18/04 20:37	KSK	120-83-2		
1,2,4-Trichlorobenzene	ND	ug/l	10.	02/18/04 20:37	KSK	120-82-1		
Naphthalene	ND	ug/l	10.	02/18/04 20:37	KSK	91-20-3		
Hexachloro-1,3-butadiene	ND	ug/l	10.	02/18/04 20:37	KSK	87-68-3		
4-Chloro-3-methylphenol	ND	ug/l	10.	02/18/04 20:37	KSK	59-50-7		
2,4,6-Trichlorophenol	ND	ug/l	10.	02/18/04 20:37	KSK	88-06-2		
2-Chloronaphthalene	ND	ug/l	10.	02/18/04 20:37	KSK	91-58-7		
Dimethylphthalate	ND	ug/l	10.	02/18/04 20:37	KSK	131-11-3		
Acenaphthylene	ND	ug/l	10.	02/18/04 20:37	KSK	208-96-8		
2,6-Dinitrotoluene	ND	ug/l	10.	02/18/04 20:37	KSK	606-20-2		
Acenaphthene	ND	ug/l	10.	02/18/04 20:37	KSK	83-32-9		
2,4-Dinitrophenol	ND	ug/l	51.	02/18/04 20:37	KSK	51-28-5		
4-Nitrophenol	ND	ug/l	51.	02/18/04 20:37	KSK	100-02-7		
2,4-Dinitrotoluene	ND	ug/l	10.	02/18/04 20:37	KSK	121-14-2		
Diethylphthalate	ND	ug/l	10.	02/18/04 20:37	KSK	84-66-2		

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Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

Lab Sample No: 105333181 Project Sample Number: 1084665-006 Date Collected: 02/12/04 12:00
Client Sample ID: E04-0120-67442 Matrix: Water Date Received: 02/13/04 12:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
4-Chlorophenylphenyl ether	ND	ug/l	10.	02/18/04 20:37	KSK	7005-72-3		
Fluorene	ND	ug/l	10.	02/18/04 20:37	KSK	86-73-7		
4,6-Dinitro-2-methylphenol	ND	ug/l	51.	02/18/04 20:37	KSK	534-52-1		
4-Bromophenylphenyl ether	ND	ug/l	10.	02/18/04 20:37	KSK	101-55-3		
Hexachlorobenzene	ND	ug/l	10.	02/18/04 20:37	KSK	118-74-1		
Pentachlorophenol	ND	ug/l	23.	02/18/04 20:37	KSK	87-86-5		
Phenanthrene	ND	ug/l	10.	02/18/04 20:37	KSK	85-01-8		
Anthracene	ND	ug/l	10.	02/18/04 20:37	KSK	120-12-7		
Di-n-butylphthalate	ND	ug/l	10.	02/18/04 20:37	KSK	84-74-2		
Fluoranthene	ND	ug/l	10.	02/18/04 20:37	KSK	206-44-0		
Pyrene	ND	ug/l	10.	02/18/04 20:37	KSK	129-00-0		
Butylbenzylphthalate	ND	ug/l	10.	02/18/04 20:37	KSK	85-68-7		
3,3'-Dichlorobenzidine	ND	ug/l	20.	02/18/04 20:37	KSK	91-94-1		
Benzo(a)anthracene	ND	ug/l	10.	02/18/04 20:37	KSK	56-55-3		
Chrysene	ND	ug/l	10.	02/18/04 20:37	KSK	218-01-9		
bis(2-Ethylhexyl)phthalate	ND	ug/l	10.	02/18/04 20:37	KSK	117-81-7		
Di-n-octylphthalate	ND	ug/l	10.	02/18/04 20:37	KSK	117-84-0		
Benzo(b)fluoranthene	ND	ug/l	10.	02/18/04 20:37	KSK	205-99-2		
Benzo(k)fluoranthene	ND	ug/l	10.	02/18/04 20:37	KSK	207-08-9		
Benzo(a)pyrene	ND	ug/l	10.	02/18/04 20:37	KSK	50-32-8		
Indeno(1,2,3-cd)pyrene	ND	ug/l	10.	02/18/04 20:37	KSK	193-39-5		
Dibenz(a,h)anthracene	ND	ug/l	10.	02/18/04 20:37	KSK	53-70-3		
Benzo(g,h,i)perylene	ND	ug/l	10.	02/18/04 20:37	KSK	191-24-2		
Hexachloroethane	ND	ug/l	10.	02/18/04 20:37	KSK	67-72-1		
Nitrobenzene-d5 (S)	72	%		02/18/04 20:37	KSK	4165-60-0		
2-Fluorobiphenyl (S)	76	%		02/18/04 20:37	KSK	321-60-8		
Terphenyl-d14 (S)	82	%		02/18/04 20:37	KSK	1718-51-0		
Phenol-d6 (S)	30	%		02/18/04 20:37	KSK	13127-88-3	3,4	
2-Fluorophenol (S)	40	%		02/18/04 20:37	KSK	367-12-4	3,4	
2,4,6-Tribromophenol (S)	64	%		02/18/04 20:37	KSK			
Date Extracted	02/16/04			02/16/04				
GC/MS Volatiles								
Volatile GC/MS by 624	Method: EPA 624							
Chloromethane	ND	ug/l	1.0	02/17/04 21:51	PN1	74-87-3		
Vinyl chloride	ND	ug/l	1.0	02/17/04 21:51	PN1	75-01-4		
Bromomethane	ND	ug/l	1.0	02/17/04 21:51	PN1	74-83-9		
Chloroethane	ND	ug/l	1.0	02/17/04 21:51	PN1	75-00-3		
Trichlorofluoromethane	ND	ug/l	1.0	02/17/04 21:51	PN1	75-69-4		

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www.pacelabs.com

Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

Lab Sample No: 105333181 Project Sample Number: 1084665-006 Date Collected: 02/12/04 12:00
Client Sample ID: E04-0120-67442 Matrix: Water Date Received: 02/13/04 12:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Methylene chloride	ND	ug/l	1.0	02/17/04 21:51	PN1	75-09-2		
1,1-Dichloroethene	ND	ug/l	1.0	02/17/04 21:51	PN1	75-35-4		
trans-1,2-Dichloroethene	ND	ug/l	1.0	02/17/04 21:51	PN1	156-60-5		
1,1-Dichloroethane	ND	ug/l	1.0	02/17/04 21:51	PN1	75-34-3		
Chloroform	ND	ug/l	1.0	02/17/04 21:51	PN1	67-66-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	02/17/04 21:51	PN1	71-55-6		
Carbon tetrachloride	ND	ug/l	1.0	02/17/04 21:51	PN1	56-23-5		
Benzene	ND	ug/l	1.0	02/17/04 21:51	PN1	71-43-2		
1,2-Dichloroethane	ND	ug/l	1.0	02/17/04 21:51	PN1	107-06-2		
Trichloroethene	ND	ug/l	1.0	02/17/04 21:51	PN1	79-01-6		
1,2-Dichloropropane	ND	ug/l	1.0	02/17/04 21:51	PN1	78-87-5		
Bromodichloromethane	ND	ug/l	1.0	02/17/04 21:51	PN1	75-27-4		
trans-1,3-Dichloropropene	ND	ug/l	1.0	02/17/04 21:51	PN1	10061-02-6		
Toluene	ND	ug/l	1.0	02/17/04 21:51	PN1	108-88-3		
cis-1,3-Dichloropropene	ND	ug/l	1.0	02/17/04 21:51	PN1	10061-01-5		
1,1,2-Trichloroethane	ND	ug/l	1.0	02/17/04 21:51	PN1	79-00-5		
Tetrachloroethene	ND	ug/l	1.0	02/17/04 21:51	PN1	127-18-4		
Dibromochloromethane	ND	ug/l	1.0	02/17/04 21:51	PN1	124-48-1		
Chlorobenzene	ND	ug/l	1.0	02/17/04 21:51	PN1	108-90-7		
Ethylbenzene	ND	ug/l	1.0	02/17/04 21:51	PN1	100-41-4		
Xylene (Total)	ND	ug/l	3.0	02/17/04 21:51	PN1	1330-20-7		
Bromoform	ND	ug/l	1.0	02/17/04 21:51	PN1	75-25-2		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	02/17/04 21:51	PN1	79-34-5		
1,3-Dichlorobenzene	ND	ug/l	1.0	02/17/04 21:51	PN1	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	02/17/04 21:51	PN1	106-46-7		
1,2-Dichlorobenzene	ND	ug/l	1.0	02/17/04 21:51	PN1	95-50-1		
2-Chloroethylvinyl ether	ND	ug/l	5.0	02/17/04 21:51	PN1	110-75-8		
Dibromofluoromethane (S)	95	%		02/17/04 21:51	PN1	1868-53-7		
Toluene-d8 (S)	81	%		02/17/04 21:51	PN1	2037-26-5		
4-Bromofluorobenzene (S)	85	%		02/17/04 21:51	PN1	460-00-4		
1,2-Dichloroethane-d4 (S)	92	%		02/17/04 21:51	PN1	17060-07-0		

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1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

Lab Sample No: 105333199 Project Sample Number: 1084665-007 Date Collected: 02/12/04 00:00
Client Sample ID: E04-0120-67487 Field Blank Matrix: Water Date Received: 02/13/04 12:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Microbiology								
Biochemical Oxygen Demand, 5 d	Prep/Method: / SM 5210B							
BOD, 5 day	7	mg/l	6	02/18/04	JPH1		1	
Date Prepared	02/13/04 13:30			02/13/04 13:30				
Wet Chemistry								
Phenolics Total. in Water	Method: EPA 420.4							
Phenol	ND	ug/l	25.0	02/17/04	VAF	108-95-2		
GC/MS Volatiles								
Volatile GC/MS by 624	Method: EPA 624							
Chloromethane	ND	ug/l	1.0	02/17/04 17:56	PN1	74-87-3		
Vinyl chloride	ND	ug/l	1.0	02/17/04 17:56	PN1	75-01-4		
Bromomethane	ND	ug/l	1.0	02/17/04 17:56	PN1	74-83-9		
Chloroethane	ND	ug/l	1.0	02/17/04 17:56	PN1	75-00-3		
Trichlorofluoromethane	ND	ug/l	1.0	02/17/04 17:56	PN1	75-69-4		
Methylene chloride	ND	ug/l	1.0	02/17/04 17:56	PN1	75-09-2		
1,1-Dichloroethene	ND	ug/l	1.0	02/17/04 17:56	PN1	75-35-4		
trans-1,2-Dichloroethene	ND	ug/l	1.0	02/17/04 17:56	PN1	156-60-5		
1,1-Dichloroethane	ND	ug/l	1.0	02/17/04 17:56	PN1	75-34-3		
Chloroform	ND	ug/l	1.0	02/17/04 17:56	PN1	67-66-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	02/17/04 17:56	PN1	71-55-6		
Carbon tetrachloride	ND	ug/l	1.0	02/17/04 17:56	PN1	56-23-5		
Benzene	ND	ug/l	1.0	02/17/04 17:56	PN1	71-43-2		
1,2-Dichloroethane	ND	ug/l	1.0	02/17/04 17:56	PN1	107-06-2		
Trichloroethene	ND	ug/l	1.0	02/17/04 17:56	PN1	79-01-6		
1,2-Dichloropropane	ND	ug/l	1.0	02/17/04 17:56	PN1	78-87-5		
Bromodichloromethane	ND	ug/l	1.0	02/17/04 17:56	PN1	75-27-4		
trans-1,3-Dichloropropene	ND	ug/l	1.0	02/17/04 17:56	PN1	10061-02-6		
Toluene	ND	ug/l	1.0	02/17/04 17:56	PN1	108-88-3		
cis-1,3-Dichloropropene	ND	ug/l	1.0	02/17/04 17:56	PN1	10061-01-5		
1,1,2-Trichloroethane	ND	ug/l	1.0	02/17/04 17:56	PN1	79-00-5		
Tetrachloroethene	ND	ug/l	1.0	02/17/04 17:56	PN1	127-18-4		
Dibromochloromethane	ND	ug/l	1.0	02/17/04 17:56	PN1	124-48-1		
Chlorobenzene	ND	ug/l	1.0	02/17/04 17:56	PN1	108-90-7		
Ethylbenzene	ND	ug/l	1.0	02/17/04 17:56	PN1	100-41-4		
Xylene (Total)	ND	ug/l	3.0	02/17/04 17:56	PN1	1330-20-7		
Bromoform	ND	ug/l	1.0	02/17/04 17:56	PN1	75-25-2		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	02/17/04 17:56	PN1	79-34-5		

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1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

Lab Sample No: 105333199 Project Sample Number: 1084665-007 Date Collected: 02/12/04 00:00
Client Sample ID: E04-0120-67487 Field Blank Matrix: Water Date Received: 02/13/04 12:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
1,3-Dichlorobenzene	ND	ug/l	1.0	02/17/04 17:56	PN1	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	02/17/04 17:56	PN1	106-46-7		
1,2-Dichlorobenzene	ND	ug/l	1.0	02/17/04 17:56	PN1	95-50-1		
2-Chloroethylvinyl ether	ND	ug/l	5.0	02/17/04 17:56	PN1	110-75-8		
Dibromofluoromethane (S)	94	%		02/17/04 17:56	PN1	1868-53-7		
Toluene-d8 (S)	77	%		02/17/04 17:56	PN1	2037-26-5		
4-Bromofluorobenzene (S)	81	%		02/17/04 17:56	PN1	460-00-4		
1,2-Dichloroethane-d4 (S)	90	%		02/17/04 17:56	PN1	17060-07-0		

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Fax: 612.607.6444

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

Lab Sample No: 105333421 Project Sample Number: 1084665-008 Date Collected: 02/12/04 00:00
Client Sample ID: E04-0120-67489 Travel Blank Matrix: Water Date Received: 02/13/04 12:10

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC/MS Volatiles								
Volatile GC/MS by 624	Method: EPA 624							
Chloromethane	ND	ug/l	1.0	02/17/04 17:28	PN1	74-87-3		
Vinyl chloride	ND	ug/l	1.0	02/17/04 17:28	PN1	75-01-4		
Bromomethane	ND	ug/l	1.0	02/17/04 17:28	PN1	74-83-9		
Chloroethane	ND	ug/l	1.0	02/17/04 17:28	PN1	75-00-3		
Trichlorofluoromethane	ND	ug/l	1.0	02/17/04 17:28	PN1	75-69-4		
Methylene chloride	ND	ug/l	1.0	02/17/04 17:28	PN1	75-09-2		
1,1-Dichloroethene	ND	ug/l	1.0	02/17/04 17:28	PN1	75-35-4		
trans-1,2-Dichloroethene	ND	ug/l	1.0	02/17/04 17:28	PN1	156-60-5		
1,1-Dichloroethane	ND	ug/l	1.0	02/17/04 17:28	PN1	75-34-3		
Chloroform	ND	ug/l	1.0	02/17/04 17:28	PN1	67-66-3		
1,1,1-Trichloroethane	ND	ug/l	1.0	02/17/04 17:28	PN1	71-55-6		
Carbon tetrachloride	ND	ug/l	1.0	02/17/04 17:28	PN1	56-23-5		
Benzene	ND	ug/l	1.0	02/17/04 17:28	PN1	71-43-2		
1,2-Dichloroethane	ND	ug/l	1.0	02/17/04 17:28	PN1	107-06-2		
Trichloroethene	ND	ug/l	1.0	02/17/04 17:28	PN1	79-01-6		
1,2-Dichloropropane	ND	ug/l	1.0	02/17/04 17:28	PN1	78-87-5		
Bromodichloromethane	ND	ug/l	1.0	02/17/04 17:28	PN1	75-27-4		
trans-1,3-Dichloropropene	ND	ug/l	1.0	02/17/04 17:28	PN1	10061-02-6		
Toluene	ND	ug/l	1.0	02/17/04 17:28	PN1	108-88-3		
cis-1,3-Dichloropropene	ND	ug/l	1.0	02/17/04 17:28	PN1	10061-01-5		
1,1,2-Trichloroethane	ND	ug/l	1.0	02/17/04 17:28	PN1	79-00-5		
Tetrachloroethene	ND	ug/l	1.0	02/17/04 17:28	PN1	127-18-4		
Dibromochloromethane	ND	ug/l	1.0	02/17/04 17:28	PN1	124-48-1		
Chlorobenzene	ND	ug/l	1.0	02/17/04 17:28	PN1	108-90-7		
Ethylbenzene	ND	ug/l	1.0	02/17/04 17:28	PN1	100-41-4		
Xylene (Total)	ND	ug/l	3.0	02/17/04 17:28	PN1	1330-20-7		
Bromoform	ND	ug/l	1.0	02/17/04 17:28	PN1	75-25-2		
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0	02/17/04 17:28	PN1	79-34-5		
1,3-Dichlorobenzene	ND	ug/l	1.0	02/17/04 17:28	PN1	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	1.0	02/17/04 17:28	PN1	106-46-7		
1,2-Dichlorobenzene	ND	ug/l	1.0	02/17/04 17:28	PN1	95-50-1		
2-Chloroethylvinyl ether	ND	ug/l	5.0	02/17/04 17:28	PN1	110-75-8		
Dibromofluoromethane (S)	96	%		02/17/04 17:28	PN1	1868-53-7		
Toluene-d8 (S)	77	%		02/17/04 17:28	PN1	2037-26-5		
4-Bromofluorobenzene (S)	82	%		02/17/04 17:28	PN1	460-00-4		
1,2-Dichloroethane-d4 (S)	89	%		02/17/04 17:28	PN1	17060-07-0		

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Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

PARAMETER FOOTNOTES

ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
(S)	Surrogate
[1]	The BOD dilution blank QC criterion was not met. Acceptable method performance is based upon the remaining batch QC.
[2]	The analysis was initiated more than 24 hours but less than 48 hours after collection.
[3]	Confirmed by second analysis and/or re-extraction.
[4]	The surrogate recovery was outside QC acceptance limits due to matrix interference.

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Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

QUALITY CONTROL DATA

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

QC Batch: 104174 Analysis Method: EPA 625
QC Batch Method: EPA 625 Analysis Description: 625 Wastewater GC/MS SVOA
Associated Lab Samples: 105333132 105333140 105333157 105333165 105333173 105333181

METHOD BLANK: 105336473
Associated Lab Samples: 105333132 105333140 105333157 105333165 105333173 105333181

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Phenol	ug/l	ND	10.	
bis(2-Chloroethyl) ether	ug/l	ND	10.	
2-Chlorophenol	ug/l	ND	10.	
1,3-Dichlorobenzene	ug/l	ND	10.	
1,4-Dichlorobenzene	ug/l	ND	10.	
1,2-Dichlorobenzene	ug/l	ND	10.	
bis(2-Chloroisopropyl) ether	ug/l	ND	10.	
N-Nitroso-di-n-propylamine	ug/l	ND	10.	
Nitrobenzene	ug/l	ND	10.	
Isophorone	ug/l	ND	10.	
2-Nitrophenol	ug/l	ND	10.	
2,4-Dimethylphenol	ug/l	ND	10.	
bis(2-Chloroethoxy)methane	ug/l	ND	10.	
2,4-Dichlorophenol	ug/l	ND	10.	
1,2,4-Trichlorobenzene	ug/l	ND	10.	
Naphthalene	ug/l	ND	10.	
Hexachloro-1,3-butadiene	ug/l	ND	10.	
4-Chloro-3-methylphenol	ug/l	ND	10.	
2,4,6-Trichlorophenol	ug/l	ND	10.	
2-Chloronaphthalene	ug/l	ND	10.	
Dimethylphthalate	ug/l	ND	10.	
Acenaphthylene	ug/l	ND	10.	
2,6-Dinitrotoluene	ug/l	ND	10.	
Acenaphthene	ug/l	ND	10.	
2,4-Dinitrophenol	ug/l	ND	50.	
4-Nitrophenol	ug/l	ND	50.	
2,4-Dinitrotoluene	ug/l	ND	10.	
Diethylphthalate	ug/l	ND	10.	
4-Chlorophenylphenyl ether	ug/l	ND	10.	
Fluorene	ug/l	ND	10.	

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Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

QUALITY CONTROL DATA

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

METHOD BLANK: 105336473
Associated Lab Samples: 105333132 105333140 105333157 105333165 105333173 105333181

Parameter	Units	Blank Result	Reporting Limit	Footnotes
4,6-Dinitro-2-methylphenol	ug/l	ND	50.	
4-Bromophenylphenyl ether	ug/l	ND	10.	
Hexachlorobenzene	ug/l	ND	10.	
Pentachlorophenol	ug/l	ND	23.	
Phenanthrene	ug/l	ND	10.	
Anthracene	ug/l	ND	10.	
Di-n-butylphthalate	ug/l	ND	10.	
Fluoranthene	ug/l	ND	10.	
Pyrene	ug/l	ND	10.	
Butylbenzylphthalate	ug/l	ND	10.	
3,3'-Dichlorobenzidine	ug/l	ND	20.	
Benzo(a)anthracene	ug/l	ND	10.	
Chrysene	ug/l	ND	10.	
bis(2-Ethylhexyl)phthalate	ug/l	ND	10.	
Di-n-octylphthalate	ug/l	ND	10.	
Benzo(b)fluoranthene	ug/l	ND	10.	
Benzo(k)fluoranthene	ug/l	ND	10.	
Benzo(a)pyrene	ug/l	ND	10.	
Indeno(1,2,3-cd)pyrene	ug/l	ND	10.	
Dibenz(a,h)anthracene	ug/l	ND	10.	
Benzo(g,h,i)perylene	ug/l	ND	10.	
Hexachloroethane	ug/l	ND	10.	
Nitrobenzene-d5 (S)	%	70		
2-Fluorobiphenyl (S)	%	70		
Terphenyl-d14 (S)	%	82		
Phenol-d6 (S)	%	74		
2-Fluorophenol (S)	%	68		
2,4,6-Tribromophenol (S)	%	76		

LABORATORY CONTROL SAMPLE & LCSD: 105336481 105336499

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	RPD	Footnotes
Phenol	ug/l	50.00	44.51	43.62	89	87	2	
bis(2-Chloroethyl) ether	ug/l	50.00	42.92	41.50	86	83	3	

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Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

QUALITY CONTROL DATA

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

LABORATORY CONTROL SAMPLE & LCSD: 105336481 105336499

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	RPD	Footnotes
2-Chlorophenol	ug/l	50.00	43.30	42.40	87	85	2	
1,3-Dichlorobenzene	ug/l	50.00	41.85	41.17	84	82	2	
1,4-Dichlorobenzene	ug/l	50.00	41.72	41.70	83	83	0	
1,2-Dichlorobenzene	ug/l	50.00	42.26	42.22	84	84	0	
bis(2-Chloroisopropyl) ether	ug/l	50.00	44.73	43.50	90	87	3	
N-Nitroso-di-n-propylamine	ug/l	50.00	46.61	46.27	93	92	1	
Nitrobenzene	ug/l	50.00	46.55	45.49	93	91	2	
Isophorone	ug/l	50.00	48.73	48.99	98	98	1	
2-Nitrophenol	ug/l	50.00	43.40	43.28	87	87	0	
2,4-Dimethylphenol	ug/l	50.00	18.67	18.16	37	36	3	1,1
bis(2-Chloroethoxy)methane	ug/l	50.00	45.03	44.97	90	90	0	
2,4-Dichlorophenol	ug/l	50.00	43.42	43.86	87	88	1	
1,2,4-Trichlorobenzene	ug/l	50.00	41.80	41.65	84	83	0	
Naphthalene	ug/l	50.00	43.36	42.73	87	86	1	
Hexachloro-1,3-butadiene	ug/l	50.00	42.96	42.99	86	86	0	
4-Chloro-3-methylphenol	ug/l	50.00	46.79	47.76	94	96	2	
2,4,6-Trichlorophenol	ug/l	50.00	46.49	47.47	93	95	2	
2-Chloronaphthalene	ug/l	50.00	45.85	47.41	92	95	3	
Dimethylphthalate	ug/l	50.00	47.65	49.11	95	98	3	
Acenaphthylene	ug/l	50.00	47.25	48.15	94	96	2	
2,6-Dinitrotoluene	ug/l	50.00	48.24	50.00	96	100	4	
Acenaphthene	ug/l	50.00	47.86	49.82	96	100	4	
2,4-Dinitrophenol	ug/l	50.00	39.41	42.95	79	86	9	
4-Nitrophenol	ug/l	50.00	49.84	53.46	100	107	7	
2,4-Dinitrotoluene	ug/l	50.00	45.78	48.47	92	97	6	
Diethylphthalate	ug/l	50.00	47.00	49.60	94	99	5	
4-Chlorophenylphenyl ether	ug/l	50.00	48.08	49.60	96	99	3	
Fluorene	ug/l	50.00	48.55	49.28	97	99	1	
4,6-Dinitro-2-methylphenol	ug/l	50.00	41.56	44.83	83	90	8	
4-Bromophenylphenyl ether	ug/l	50.00	49.14	50.69	98	101	3	
Hexachlorobenzene	ug/l	50.00	50.68	51.77	101	104	2	
Pentachlorophenol	ug/l	50.00	44.50	47.08	89	94	6	
Phenanthrene	ug/l	50.00	47.10	48.77	94	98	3	
Anthracene	ug/l	50.00	46.95	47.99	94	96	2	
Di-n-butylphthalate	ug/l	50.00	50.27	52.64	101	105	5	
Fluoranthene	ug/l	50.00	49.15	50.52	98	101	3	
Pyrene	ug/l	50.00	46.16	48.33	92	97	5	

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Pace Analytical Services, Inc.
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

QUALITY CONTROL DATA

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

LABORATORY CONTROL SAMPLE & LCSD: 105336481 105336499

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	RPD	Footnotes
Butylbenzylphthalate	ug/l	50.00	46.97	49.55	94	99	5	
3,3'-Dichlorobenzidine	ug/l	50.00	28.52	27.96	57	56	2	
Benzo(a)anthracene	ug/l	50.00	46.75	48.79	94	98	4	
Chrysene	ug/l	50.00	46.74	48.59	94	97	4	
bis(2-Ethylhexyl)phthalate	ug/l	50.00	48.30	50.60	97	101	5	
Di-n-octylphthalate	ug/l	50.00	46.77	48.56	94	97	4	
Benzo(b)fluoranthene	ug/l	50.00	46.65	47.97	93	96	3	
Benzo(k)fluoranthene	ug/l	50.00	46.69	48.58	93	97	4	
Benzo(a)pyrene	ug/l	50.00	44.97	46.46	90	93	3	
Indeno(1,2,3-cd)pyrene	ug/l	50.00	47.06	49.14	94	98	4	
Dibenz(a,h)anthracene	ug/l	50.00	47.28	49.54	95	99	5	
Benzo(g,h,i)perylene	ug/l	50.00	47.30	49.29	95	99	4	
Hexachloroethane	ug/l	50.00	42.66	42.40	85	85	1	
Nitrobenzene-d5 (S)					80	80		
2-Fluorobiphenyl (S)					83	83		
Terphenyl-d14 (S)					82	84		
Phenol-d6 (S)					82	79		
2-Fluorophenol (S)					76	75		
2,4,6-Tribromophenol (S)					87	88		

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Fax: 612.607.6444

QUALITY CONTROL DATA

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

QC Batch: 104292 Analysis Method: EPA 624
QC Batch Method: EPA 624 Analysis Description: Volatile GC/MS by 624
Associated Lab Samples: 105333132 105333140 105333157 105333165 105333173 105333181 105333199 105333421

METHOD BLANK: 105340681
Associated Lab Samples: 105333132 105333140 105333157 105333165 105333173 105333181 105333199 105333421

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Chloromethane	ug/l	ND	1.0	
Vinyl chloride	ug/l	ND	1.0	
Bromomethane	ug/l	ND	1.0	
Chloroethane	ug/l	ND	1.0	
Trichlorofluoromethane	ug/l	ND	1.0	
Methylene chloride	ug/l	ND	1.0	
1,1-Dichloroethene	ug/l	ND	1.0	
trans-1,2-Dichloroethene	ug/l	ND	1.0	
1,1-Dichloroethane	ug/l	ND	1.0	
Chloroform	ug/l	ND	1.0	
1,1,1-Trichloroethane	ug/l	ND	1.0	
Carbon tetrachloride	ug/l	ND	1.0	
Benzene	ug/l	ND	1.0	
1,2-Dichloroethane	ug/l	ND	1.0	
Trichloroethene	ug/l	ND	1.0	
1,2-Dichloropropane	ug/l	ND	1.0	
Bromodichloromethane	ug/l	ND	1.0	
trans-1,3-Dichloropropene	ug/l	ND	1.0	
Toluene	ug/l	ND	1.0	
cis-1,3-Dichloropropene	ug/l	ND	1.0	
1,1,2-Trichloroethane	ug/l	ND	1.0	
Tetrachloroethene	ug/l	ND	1.0	
Dibromochloromethane	ug/l	ND	1.0	
Chlorobenzene	ug/l	ND	1.0	
Ethylbenzene	ug/l	ND	1.0	
Xylene (Total)	ug/l	ND	3.0	
Bromoform	ug/l	ND	1.0	
1,1,2,2-Tetrachloroethane	ug/l	ND	1.0	
1,3-Dichlorobenzene	ug/l	ND	1.0	

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Fax: 612.607.6444

QUALITY CONTROL DATA

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

METHOD BLANK: 105340681
Associated Lab Samples: 105333132 105333140 105333157 105333165 105333173 105333181 105333199 105333421

Parameter	Units	Blank Result	Reporting Limit	Footnotes
1,4-Dichlorobenzene	ug/l	ND	1.0	
1,2-Dichlorobenzene	ug/l	ND	1.0	
2-Chloroethylvinyl ether	ug/l	ND	5.0	
Dibromofluoromethane (S)	%	94		
Toluene-d8 (S)	%	78		
4-Bromofluorobenzene (S)	%	83		
1,2-Dichloroethane-d4 (S)	%	91		

LABORATORY CONTROL SAMPLE: 105340699

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Chloromethane	ug/l	20.00	14.23	71	
Vinyl chloride	ug/l	20.00	18.06	90	
Bromomethane	ug/l	20.00	16.43	82	
Chloroethane	ug/l	20.00	20.33	102	
Trichlorofluoromethane	ug/l	20.00	20.40	102	
Methylene chloride	ug/l	20.00	20.34	102	
1,1-Dichloroethene	ug/l	20.00	20.76	104	
trans-1,2-Dichloroethene	ug/l	20.00	20.98	105	
1,1-Dichloroethane	ug/l	20.00	20.84	104	
Chloroform	ug/l	20.00	21.65	108	
1,1,1-Trichloroethane	ug/l	20.00	19.72	99	
Carbon tetrachloride	ug/l	20.00	20.25	101	
Benzene	ug/l	20.00	19.53	98	
1,2-Dichloroethane	ug/l	20.00	22.46	112	
Trichloroethene	ug/l	20.00	19.03	95	
1,2-Dichloropropane	ug/l	20.00	20.07	100	
Bromodichloromethane	ug/l	20.00	19.78	99	
trans-1,3-Dichloropropene	ug/l	20.00	18.56	93	
Toluene	ug/l	20.00	17.96	90	
cis-1,3-Dichloropropene	ug/l	20.00	20.33	102	
1,1,2-Trichloroethane	ug/l	20.00	19.43	97	
Tetrachloroethene	ug/l	20.00	18.93	95	

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Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

QUALITY CONTROL DATA

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

LABORATORY CONTROL SAMPLE: 105340699

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Dibromochloromethane	ug/l	20.00	18.93	95	
Chlorobenzene	ug/l	20.00	19.79	99	
Ethylbenzene	ug/l	20.00	18.54	93	
Xylene (Total)	ug/l	60.00	57.90	96	
Bromoform	ug/l	20.00	20.50	102	
1,1,2,2-Tetrachloroethane	ug/l	20.00	18.74	94	
1,3-Dichlorobenzene	ug/l	20.00	18.54	93	
1,4-Dichlorobenzene	ug/l	20.00	18.02	90	
1,2-Dichlorobenzene	ug/l	20.00	17.92	90	
2-Chloroethylvinyl ether	ug/l	20.00	22.81	114	
Dibromofluoromethane (S)				105	
Toluene-d8 (S)				90	
4-Bromofluorobenzene (S)				90	
1,2-Dichloroethane-d4 (S)				104	

MATRIX SPIKE: 105348122

Parameter	Units	105333140 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Chloromethane	ug/l	0	20.00	17.94	90	
Vinyl chloride	ug/l	0	20.00	23.55	118	
Bromomethane	ug/l	6.650	20.00	13.08	32	1
Chloroethane	ug/l	0	20.00	27.10	136	
Trichlorofluoromethane	ug/l	0	20.00	22.53	113	
Methylene chloride	ug/l	0	20.00	25.61	128	
1,1-Dichloroethene	ug/l	0	20.00	24.69	124	
trans-1,2-Dichloroethene	ug/l	0	20.00	24.84	124	
1,1-Dichloroethane	ug/l	0	20.00	23.87	119	
Chloroform	ug/l	0	20.00	23.37	117	
1,1,1-Trichloroethane	ug/l	0	20.00	22.21	111	
Carbon tetrachloride	ug/l	0	20.00	21.41	107	
Benzene	ug/l	0	20.00	21.63	108	
1,2-Dichloroethane	ug/l	0	20.00	22.90	114	
Trichloroethene	ug/l	0	20.00	20.73	104	
1,2-Dichloropropane	ug/l	0	20.00	21.01	105	
Bromodichloromethane	ug/l	0	20.00	21.41	107	

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Phone: 612.607.1700
Fax: 612.607.6444

QUALITY CONTROL DATA

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

MATRIX SPIKE: 105348122

Parameter	Units	105333140 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
trans-1,3-Dichloropropene	ug/l	0	20.00	18.78	94	
Toluene	ug/l	0	20.00	19.54	98	
cis-1,3-Dichloropropene	ug/l	0	20.00	21.20	106	
1,1,2-Trichloroethane	ug/l	0	20.00	19.12	96	
Tetrachloroethene	ug/l	0	20.00	19.93	100	
Dibromochloromethane	ug/l	0	20.00	19.36	97	
Chlorobenzene	ug/l	0	20.00	20.48	102	
Ethylbenzene	ug/l	0	20.00	19.72	99	
Xylene (Total)	ug/l	0	60.00	59.42	99	
Bromoform	ug/l	0	20.00	21.56	108	
1,1,2,2-Tetrachloroethane	ug/l	0	20.00	18.80	94	
1,3-Dichlorobenzene	ug/l	0	20.00	18.23	91	
1,4-Dichlorobenzene	ug/l	0	20.00	18.19	91	
1,2-Dichlorobenzene	ug/l	0	20.00	18.53	93	
2-Chloroethylvinyl ether	ug/l	0	20.00	0	0	1
Dibromofluoromethane (S)					90	
Toluene-d8 (S)					81	
4-Bromofluorobenzene (S)					93	
1,2-Dichloroethane-d4 (S)					85	

SAMPLE DUPLICATE: 105348114

Parameter	Units	105333132 Result	DUP Result	RPD	Footnotes
Chloromethane	ug/l	5.400	1.800	101	2
Vinyl chloride	ug/l	ND	ND	NC	
Bromomethane	ug/l	19.00	13.00	36	2
Chloroethane	ug/l	ND	ND	NC	
Trichlorofluoromethane	ug/l	ND	ND	NC	
Methylene chloride	ug/l	ND	ND	NC	
1,1-Dichloroethene	ug/l	ND	ND	NC	
trans-1,2-Dichloroethene	ug/l	ND	ND	NC	
1,1-Dichloroethane	ug/l	ND	ND	NC	
Chloroform	ug/l	ND	ND	NC	
1,1,1-Trichloroethane	ug/l	ND	ND	NC	
Carbon tetrachloride	ug/l	ND	ND	NC	

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Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

QUALITY CONTROL DATA

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

SAMPLE DUPLICATE: 105348114

Parameter	Units	105333132 Result	DUP Result	RPD	Footnotes
Benzene	ug/l	ND	ND	NC	
1,2-Dichloroethane	ug/l	ND	ND	NC	
Trichloroethene	ug/l	ND	ND	NC	
1,2-Dichloropropane	ug/l	ND	ND	NC	
Bromodichloromethane	ug/l	ND	ND	NC	
trans-1,3-Dichloropropene	ug/l	ND	ND	NC	
Toluene	ug/l	20.00	18.00	8	
cis-1,3-Dichloropropene	ug/l	ND	ND	NC	
1,1,2-Trichloroethane	ug/l	ND	ND	NC	
Tetrachloroethene	ug/l	ND	ND	NC	
Dibromochloromethane	ug/l	ND	ND	NC	
Chlorobenzene	ug/l	ND	ND	NC	
Ethylbenzene	ug/l	ND	ND	NC	
Xylene (Total)	ug/l	3.600	3.700	2	
Bromoform	ug/l	ND	ND	NC	
1,1,2,2-Tetrachloroethane	ug/l	ND	ND	NC	
1,3-Dichlorobenzene	ug/l	ND	ND	NC	
1,4-Dichlorobenzene	ug/l	ND	ND	NC	
1,2-Dichlorobenzene	ug/l	ND	ND	NC	
2-Chloroethylvinyl ether	ug/l	ND	ND	NC	
Dibromofluoromethane (S)	%	96	94		
Toluene-d8 (S)	%	89	85		
4-Bromofluorobenzene (S)	%	97	93		
1,2-Dichloroethane-d4 (S)	%	92	91		

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QUALITY CONTROL DATA

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

QC Batch: 104133 Analysis Method: SM 5210B
QC Batch Method: Analysis Description: Biochemical Oxygen Demand, 5 d
Associated Lab Samples: 105333132 105333140 105333157 105333165 105333173 105333181 105333199

METHOD BLANK: 105331664
Associated Lab Samples: 105333132 105333140 105333157 105333165 105333173 105333181 105333199

Parameter	Units	Blank Result	Reporting Limit	Footnotes
BOD, 5 day	mg/l	ND	6	3

LABORATORY CONTROL SAMPLE: 105331672

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
BOD, 5 day	mg/l	198.00	193.0	97	3

SAMPLE DUPLICATE: 105331847

Parameter	Units	105330583 Result	DUP Result	RPD	Footnotes
BOD, 5 day	mg/l	467.0	579.0	21	

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Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

QUALITY CONTROL DATA

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

QC Batch: 104181 Analysis Method: EPA 420.4
QC Batch Method: EPA 420.4 Analysis Description: Phenolics Total. in Water
Associated Lab Samples: 105333132 105333140 105333157 105333165 105333173 105333181 105333199

METHOD BLANK: 105336622
Associated Lab Samples: 105333132 105333140 105333157 105333165 105333173 105333181 105333199

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Phenol	ug/l	ND	25.0	

LABORATORY CONTROL SAMPLE: 105336630

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Phenol	ug/l	1000.00	1178	118	

MATRIX SPIKE: 105336648

Parameter	Units	105319651 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Phenol	ug/l	0	1000.00	1055	106	

SAMPLE DUPLICATE: 105336655

Parameter	Units	105327324 Result	DUP Result	RPD	Footnotes
Phenol	ug/l	ND	ND	NC	

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Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

Lab Project Number: 1084665
Client Project ID: E04-0120 CG Carbon System Test

QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines, unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

LCS(D)	Laboratory Control Sample (Duplicate)
MS(D)	Matrix Spike (Duplicate)
DUP	Sample Duplicate
ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
RPD	Relative Percent Difference
(S)	Surrogate
[1]	The spike recovery was outside of acceptance limits.
[2]	The calculated RPD was outside QC acceptance limits.
[3]	The BOD dilution blank QC criterion was not met. Acceptable method performance is based upon the remaining batch QC.

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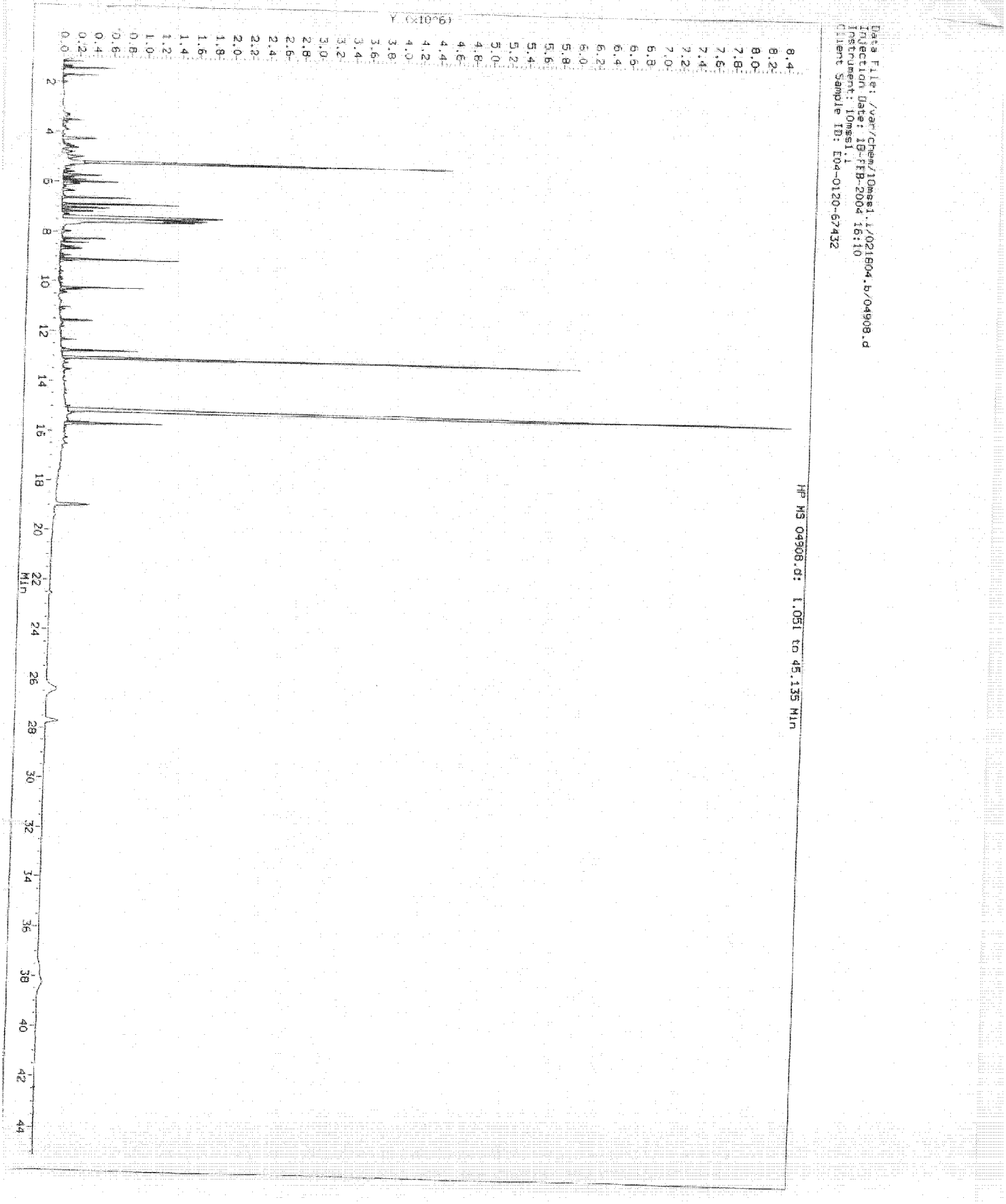
Data File: /var/chem/10mss1.i/021804.b/04908.d
Injection Date: 18-FEB-2004 16:10
Instrument: 10mss1.i
Client Sample ID: E04-0120-67432
Y (x10^6)
HP M3 04908.d: 1.051 to 45.135 Min
Min

Data File: /var/chem/10mss1.i/021804.b/04908.d
Report Date: 23-Feb-2004 12:20

Pace Analytical Services, Inc.

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: 3M ENV
Lab Smp Id: 105333132
Operator : KSK
Sample Location:
Sample Matrix: WATER
Analysis Type: SV

Client SDG: 021804
Client Smp ID: E04-0120-67432
Sample Date: 12-FEB-2004
Sample Point:
Date Received: 13-FEB-2004 00:00
Level: LOW

Number TICs found: 14

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	115-22-0	3-Hydroxy-3-methyl-2-butano	1.711	1.29	NJ
2.		Unknown	3.526	1.44	J
3.	625-25-2	2-Heptanol, 2-methyl-	4.269	3.30	NJ
4.		Unknown	4.788	1.80	J
5.	34314-83-5	Furan, 2,3-dihydro-4-methyl	4.976	1.56	NJ
6.	111-96-6	Ethane, 1,1'-oxybis[2-metho	5.224	27.8	NJ
7.	111-90-0	Ethanol, 2-(2-ethoxyethoxy)	5.731	2.95	NJ
8.	110-98-5	2-Propanol, 1,1'-oxybis-	6.084	1.76	NJ
9.	592-76-7	1-Heptene	6.886	6.17	NJ
10.	56765-79-8	1,2-Benzenedicarbonitrile,	7.027	2.67	NJ
11.	1526-17-6	2-Fluoro-6-nitrophenol	7.157	1.84	NJ
12.	107-58-4	2-Propenamide, N-(1,1-dimet	8.265	17.8	NJ
13.	0-00-0	1,3-Dioxolane, 2-(4-methoxy	13.074	304	NJ
14.	2315-61-9	Ethanol, 2-[2-[4-(1,1,3,3-t	15.207	805	NJ

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Data File: /var/chem/10mss1.i/021804.b/04913.d
Report Date: 23-Feb-2004 12:21

Pace Analytical Services, Inc.

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: 3M ENV
Lab Smp Id: 105333181
Operator : KSK
Sample Location:
Sample Matrix: WATER
Analysis Type: SV

Client SDG: 021804
Client Smp ID: E04-0120-67442
Sample Date: 12-FEB-2004
Sample Point:
Date Received: 13-FEB-2004 00:00
Level: LOW

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	4.301	1.38	J
2.	922-64-5	Propanedinitrile, methylene	4.490	1.58	NJ
3.		Unknown	4.784	1.59	J
4.	1708-27-6	Furan, 2,3-dihydro-3-methyl	4.985	1.48	NJ
5.	53778-73-7	2-Butanol, 1-methoxy-	5.197	9.21	NJ
6.	49622-18-6	Decane, 3,3,4-trimethyl-	5.279	2.03	NJ
7.	503-86-6	Glycocyanidine	5.515	3.19	NJ
8.	563-46-2	1-Butene, 2-methyl-	6.882	37.3	NJ

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Data File: /var/chem/10mss1.i/021804.b/04913.d
Report Date: 23-Feb-2004 12:21

Pace Analytical Services, Inc.

BASE, NEUTRAL, ACID QUANT AND RATIO REPORT

Data file : /var/chem/10mss1.i/021804.b/04913.d
Lab Smp Id: 105333181 Client Smp ID: E04-0120-67442
Inj Date : 18-FEB-2004 20:37
Operator : KSK Inst ID: 10mss1.i
Smp Info : 105333181
Misc Info :
Comment : RCRA 8270C - SEMIVOLATILES
Method : /var/chem/10mss1.i/021804.b/SV07-043.m
Meth Date : 23-Feb-2004 11:14 kking Quant Type: ISTD
Cal Date : 12-FEB-2004 20:45 Cal File: 04307.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 625.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 9 1,4-Dichlorobenzene-d4	5.998	1215021	3.000
* 28 Naphthalene-d8	7.578	1710811	40.000

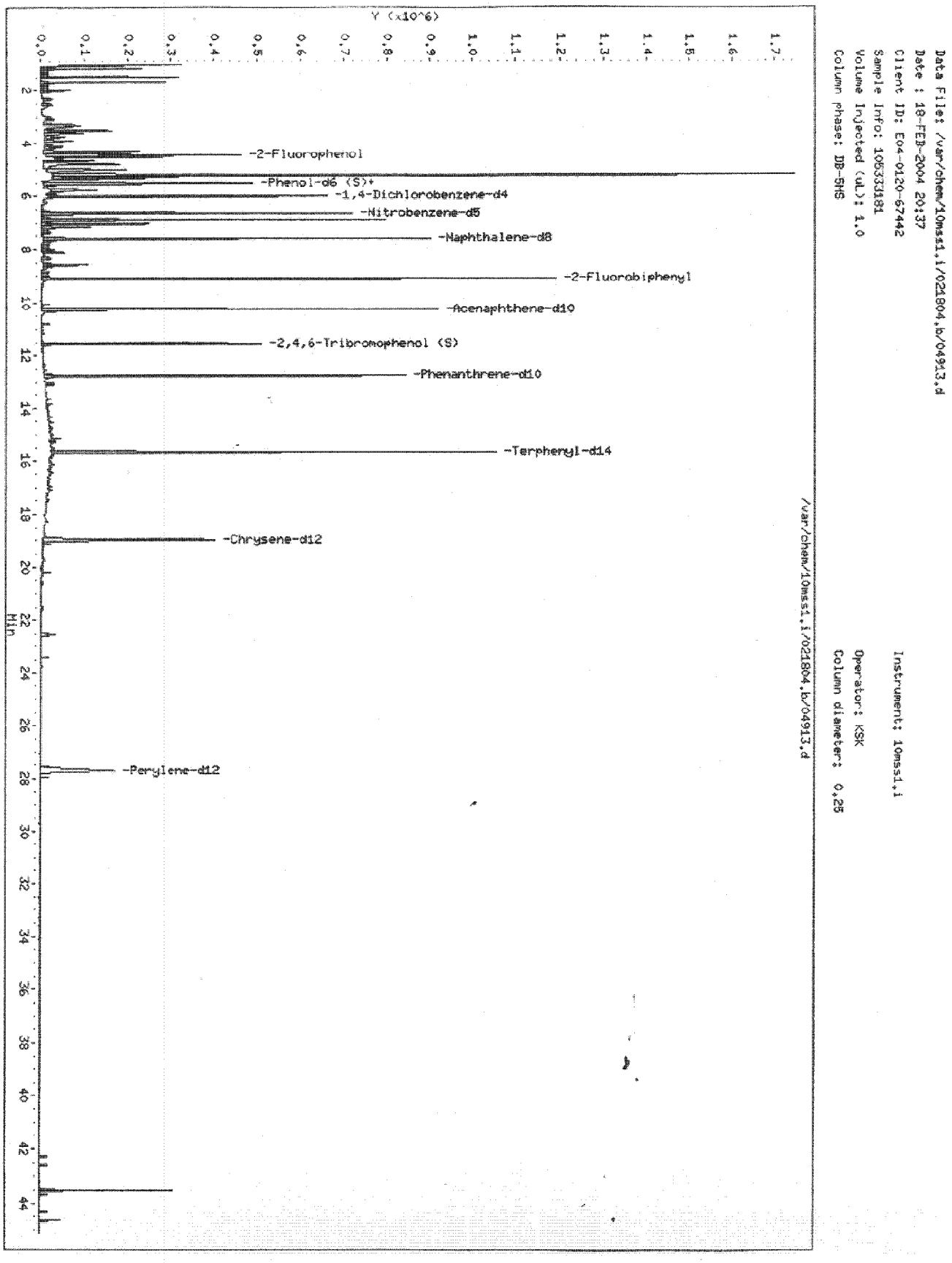
	CONCENTRATIONS			QUANT			
RT	AREA	ON-COL(NG)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
4.301	560881	1.38486783	1.38	0		0	9
Propanedinitrile, methylene-				CAS #: 922-64-5			
4.490	638290	1.57599672	1.58	53	NBS75K.1	62625	9

Data File: /var/chem/10mss1.i/021804.b/04913.d
Report Date: 23-Feb-2004 12:21

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(NG)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	==========	==========	====	=======	=========	======
Unknown				CAS #:			
4.784	643775	1.58953975	1.59	0		0	9
Furan, 2,3-dihydro-3-methyl-				CAS #:	1708-27-6		
4.985	597803	1.47603076	1.48	58	NBS75K.1	577	9
2-Butanol, 1-methoxy-				CAS #:	53778-73-7		
5.197	3729055	9.20738107	9.21	59	NBS75K.1	1910	9
Decane, 3,3,4-trimethyl-				CAS #:	49622-18-6		
5.279	823083	2.03226691	2.03	72	NBS75K.1	19045	9
Glycocyanidine				CAS #:	503-86-6		
5.515	1291800	3.18957324	3.19	43	NBS75K.1	1373	9(L)
1-Butene, 2-methyl-				CAS #:	563-46-2		
6.882	1594567	37.2821257	37.3	38	NBS75K.1	62458	28

QC Flag Legend

L - Operator selected an alternate library search match.



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Data File: /var/chem/10mss1.i/021804.b/04913.d

Date : 18-FEB-2004 20:37

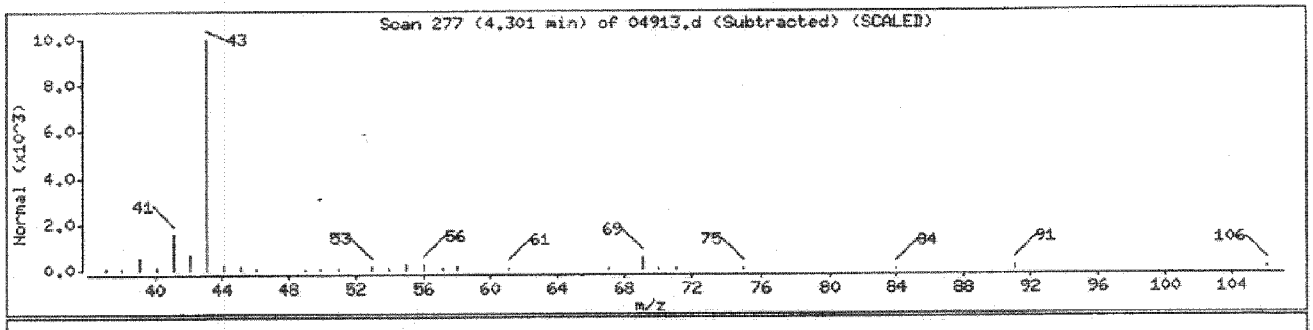
Client ID: E04-0120-67442 Instrument: 10mss1.i

Sample Info: 105333181

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: /var/chem/10mss1.i/021804.b/04913.d

Date : 18-FEB-2004 20:37

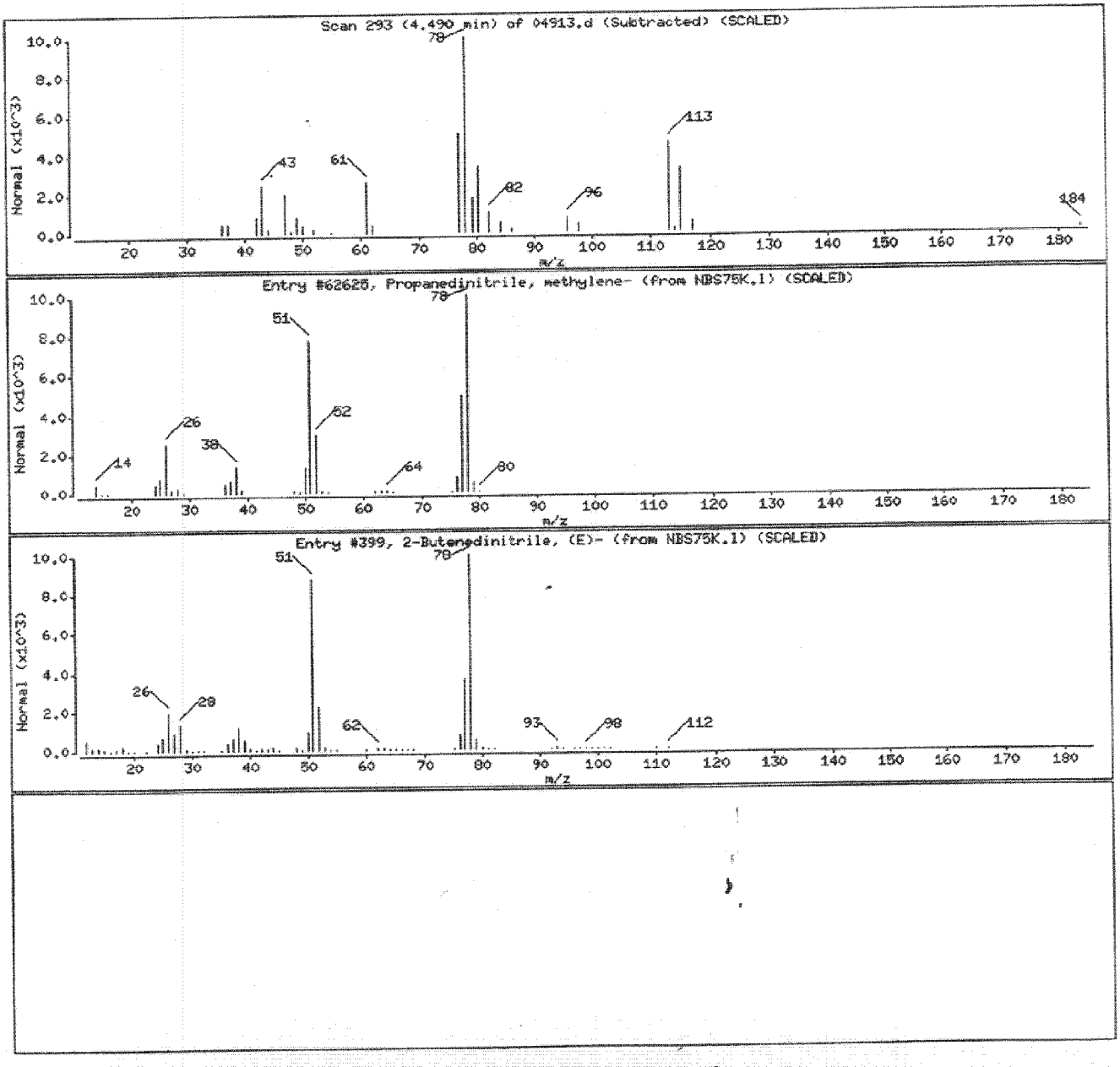
Client ID: E04-0120-67442 Instrument: 10mss1.i

Sample Info: 106333181

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Propanedinitrile, methylene-	922-64-5	NBS75K.l	62625	53	C4H2N2	78
2-Butenedinitrile, (E)-	764-42-1	NBS75K.l	399	36	C4H2N2	78



Data File: /var/chem/10mss1.i/021804.b/04913.d

Date : 18-FEB-2004 20:37

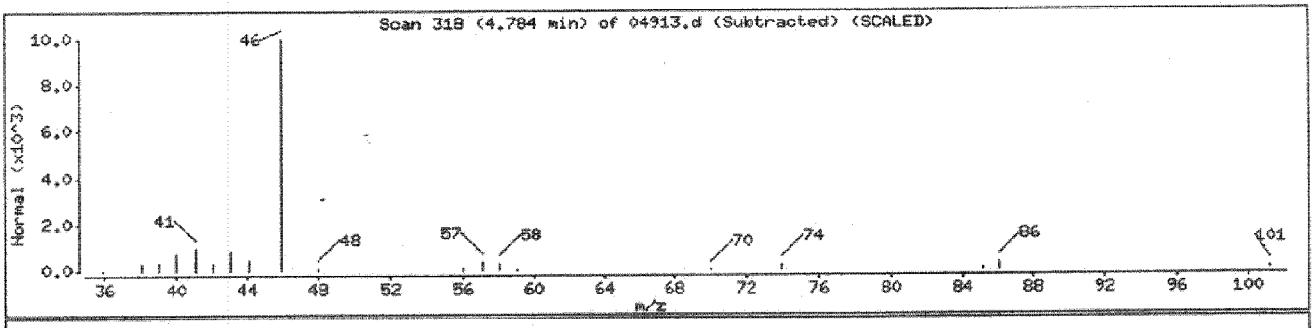
Client ID: E04-0120-67442 Instrument: 10mss1.i

Sample Info: 105333181

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: /var/chem/10mss1.i/021804.b/04913.d

Date : 18-FEB-2004 20:37

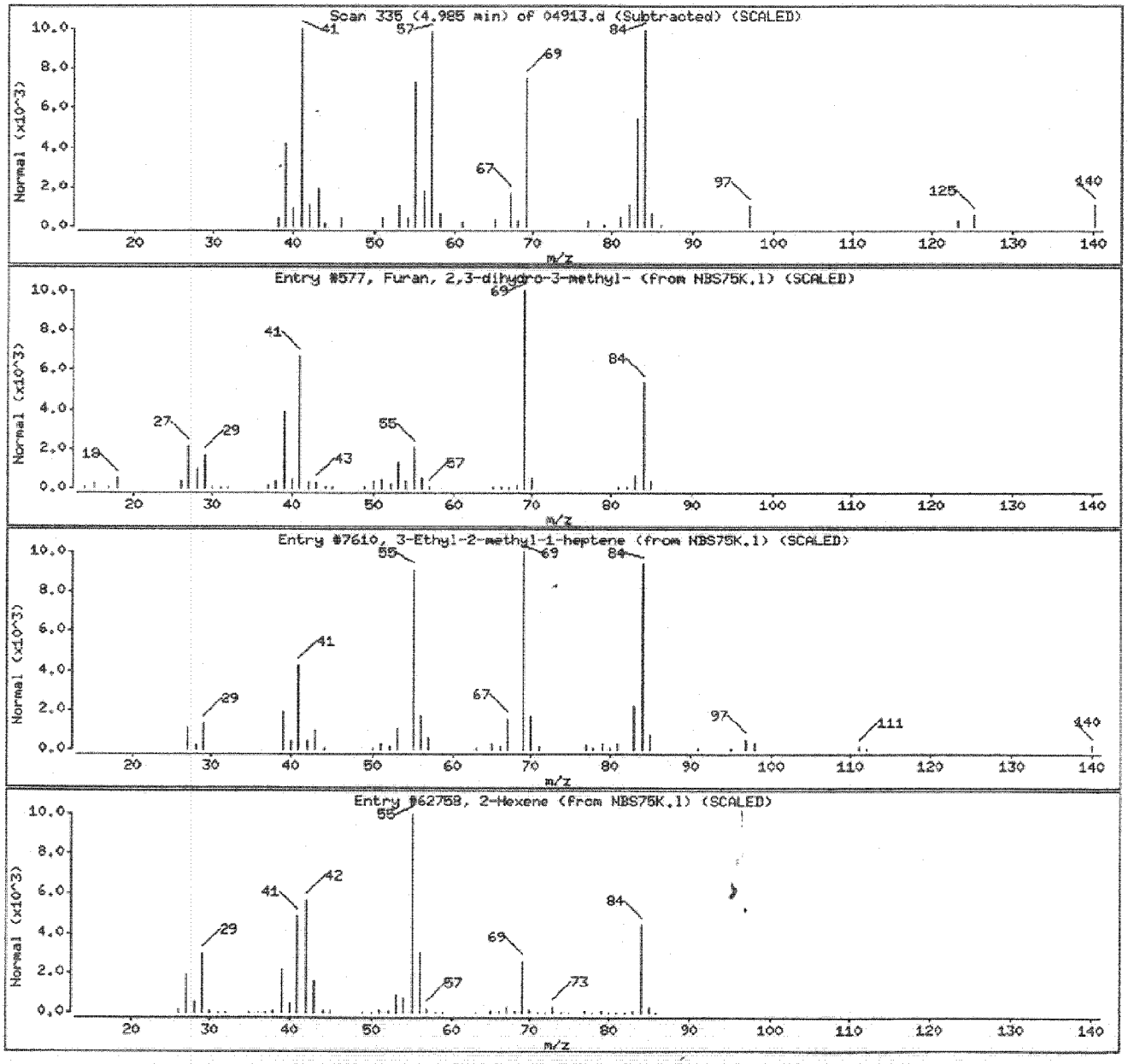
Client ID: E04-0120-67442 Instrument: 10mss1.i

Sample Info: 105333181

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5HS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Furan, 2,3-dihydro-3-methyl-	1708-27-6	NBS75K.l	577	58	C5H8O	84
3-Ethyl-2-methyl-1-heptene	19780-60-0	NBS75K.l	7610	53	C10H20	140
2-Hexene	592-43-8	NBS75K.l	62758	43	C6H12	84



Data File: /var/chem/10mss1.i/021804.b/04913.d

Date : 18-FEB-2004 20:37

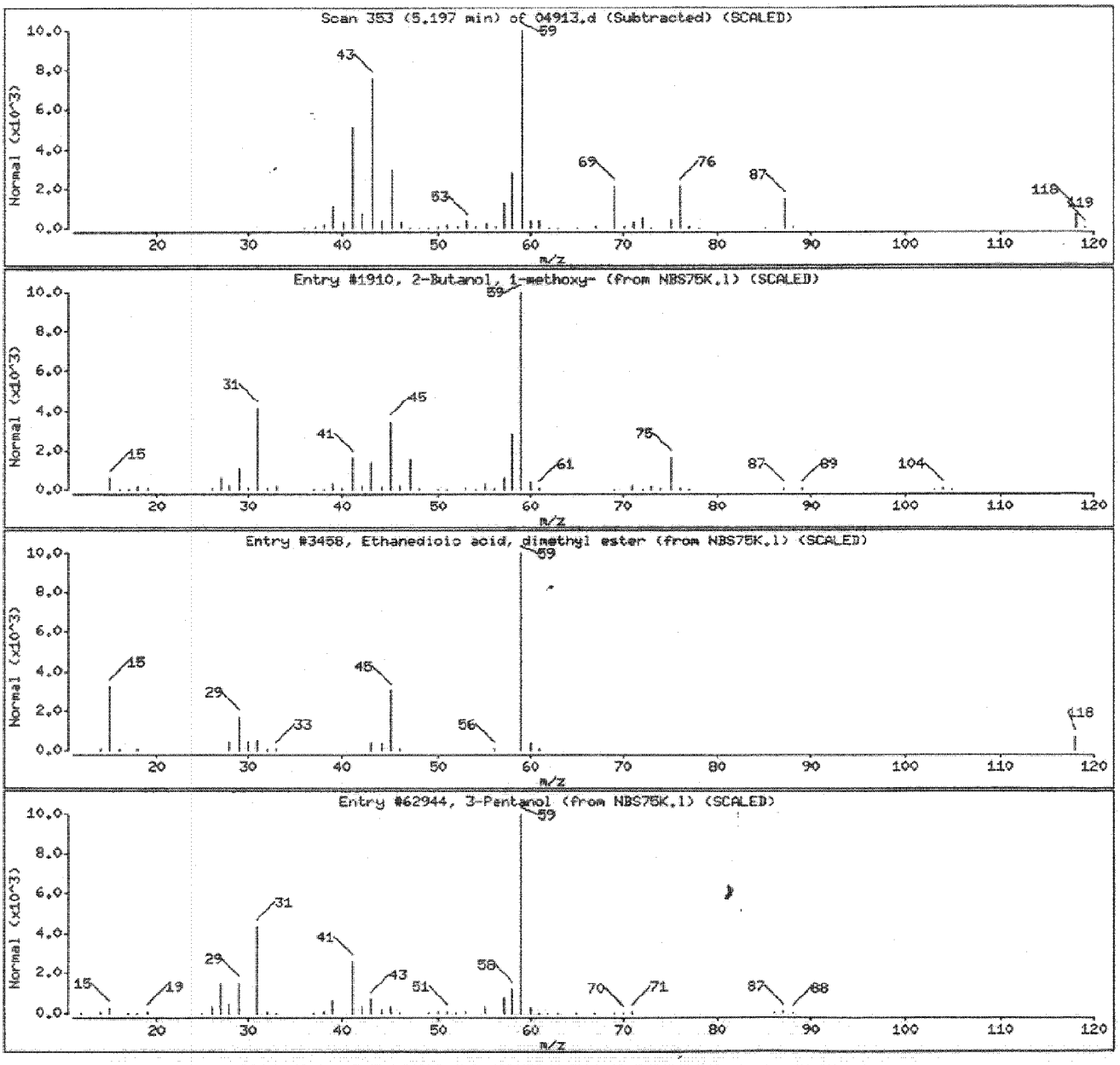
Client ID: E04-0120-67442 Instrument: 10mss1.i

Sample Info: 105333181

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Butanol, 1-methoxy-	53778-73-7	NBS75K.l	1910	59	C5H12O2	104
Ethanedioic acid, dimethyl ester	553-90-2	NBS75K.l	3458	49	C4H6O4	118
3-Pentanol	584-02-1	NBS75K.l	62944	47	C5H12O	88



Data File: /var/chem/10mss1.i/021804.b/04909.d
Report Date: 23-Feb-2004 12:20

Pace Analytical Services, Inc.

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: 3M ENV
Lab Smp Id: 105333140
Operator : KSK
Sample Location:
Sample Matrix: WATER
Analysis Type: SV

Client SDG: 021804
Client Smp ID: E04-0120-67434
Sample Date: 12-FEB-2004
Sample Point:
Date Received: 13-FEB-2004 00:00
Level: LOW

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	115-22-0	3-Hydroxy-3-methyl-2-butano	1.710	1.20	NJ
2.	110-87-2	2H-Pyran, 3,4-dihydro-	4.987	1.28	NJ
3.	53778-73-7	2-Butanol, 1-methoxy-	5.187	4.92	NJ
4.	2050-01-3	Propanoic acid, 2-methyl-,	5.282	1.97	NJ
5.	112-36-7	Ethane, 1,1'-oxybis[2-ethox	5.730	1.98	NJ

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Data File: /var/chem/10mss1.i/021804.b/04909.d
Report Date: 23-Feb-2004 12:20

Pace Analytical Services, Inc.

BASE, NEUTRAL, ACID QUANT AND RATIO REPORT

Data file : /var/chem/10mss1.i/021804.b/04909.d
Lab Smp Id: 105333140 Client Smp ID: E04-0120-67434
Inj Date : 18-FEB-2004 17:04
Operator : KSK Inst ID: 10mss1.i
Smp Info : 105333140
Misc Info :
Comment : RCRA 8270C - SEMIVOLATILES
Method : /var/chem/10mss1.i/021804.b/SV07-043.m
Meth Date : 23-Feb-2004 11:14 kking Quant Type: ISTD
Cal Date : 12-FEB-2004 20:45 Cal File: 04307.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 625.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

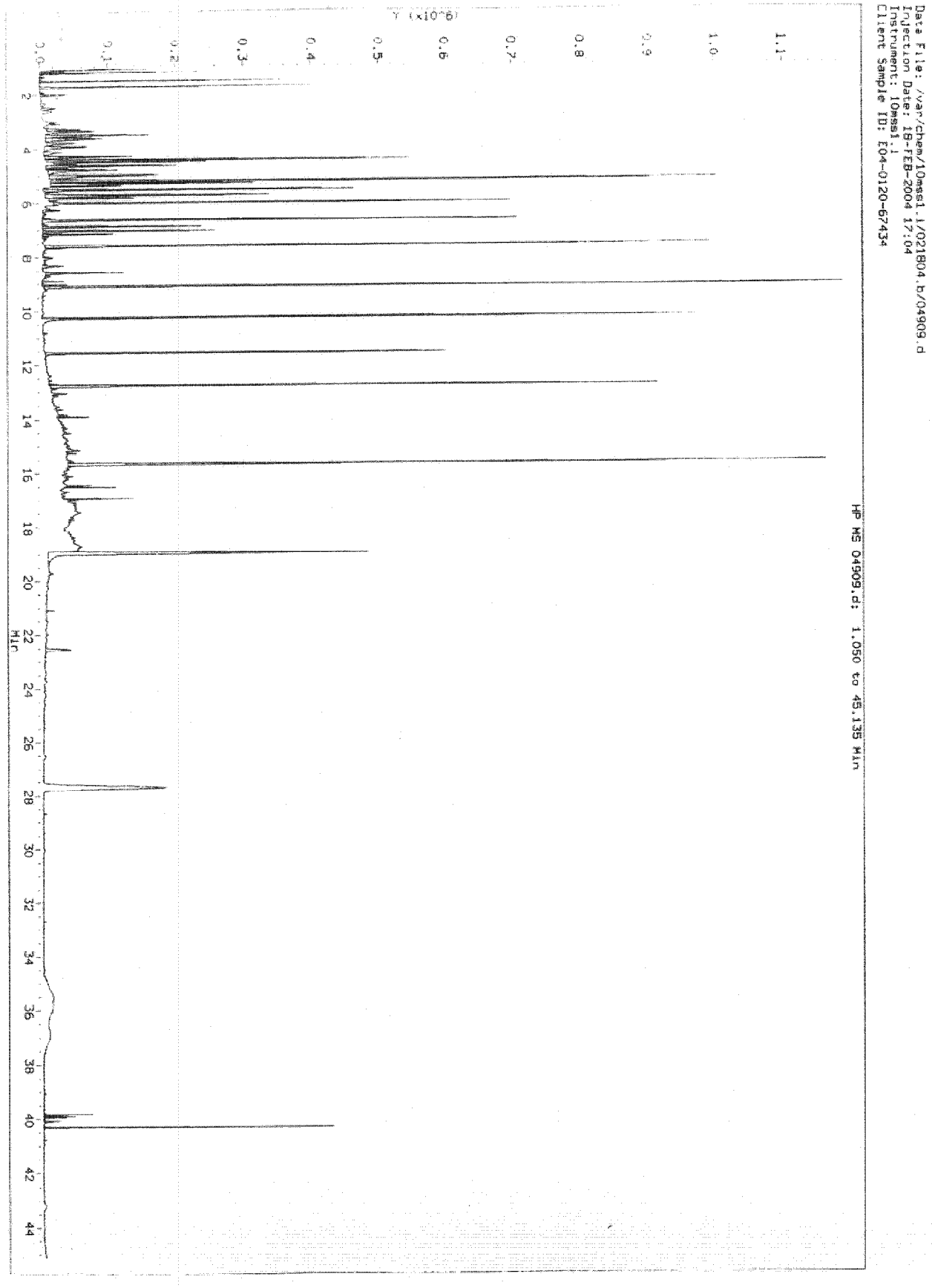
Cpnd Variable Local Compound Variable

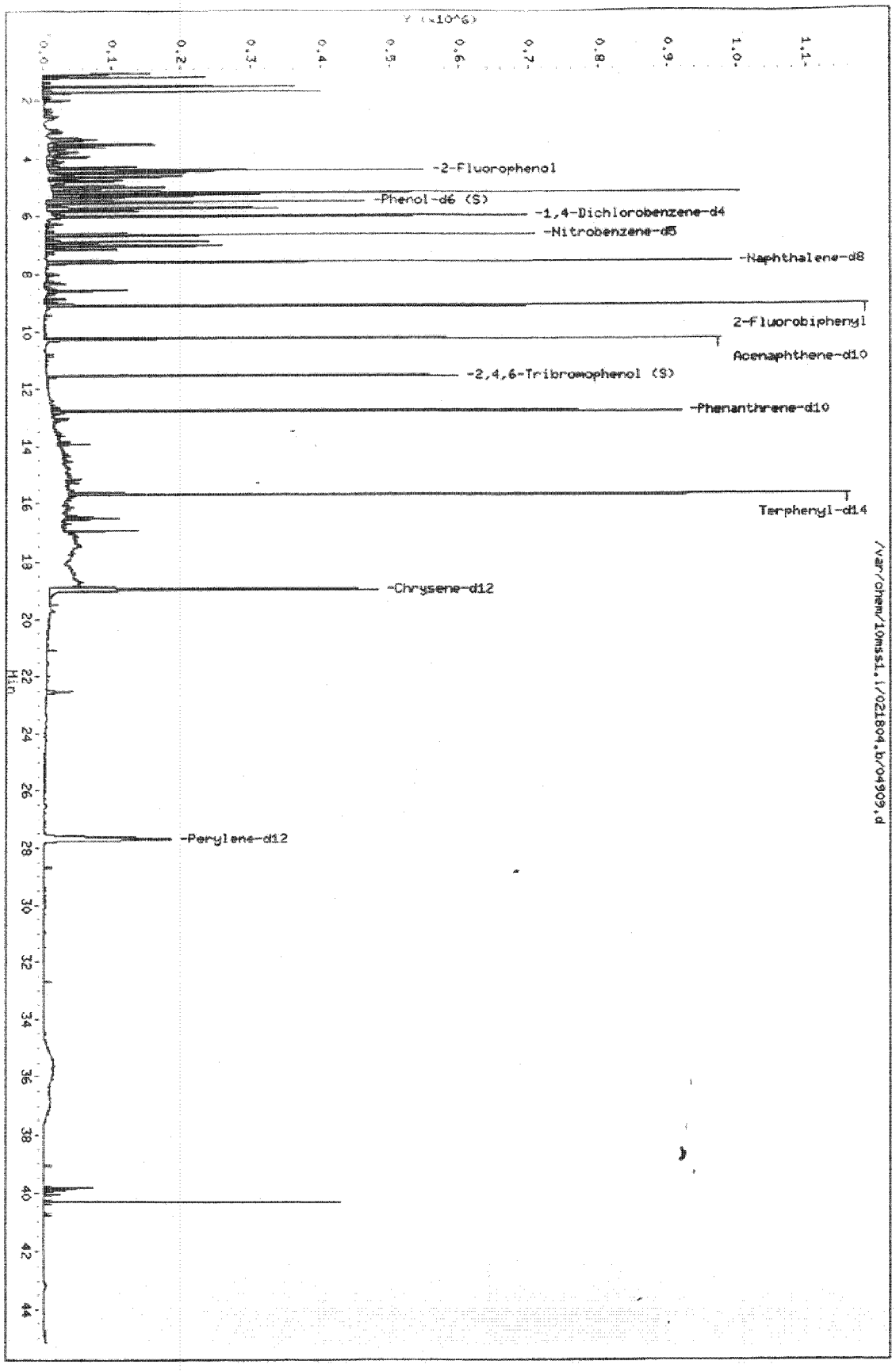
ISTD	RT	AREA	AMOUNT
* 9 1,4-Dichlorobenzene-d4	6.001	1301323	3.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
3-Hydroxy-3-methyl 2 butanone				CAS #: 115-22-0			
1.710	520877	1.20080088	1.20	72	NBS75K.1	1697	9
2H-Pyran, 3,4-dihydro				CAS #: 110-87-2			
4.987	553284	1.27550997	1.28	62	NBS75K.1	62718	9

Data File: /var/chem/10mss1.i/021804.b/04909.d
Report Date: 23-Feb-2004 12:20

			CONCENTRATIONS			QUANT		
RT	AREA	ON COL	NG	FINAL (ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
*****	*****	**********	**********	*****	********	**********	******	
2-Butanol, 1-methoxy-					CAS #: 53778-73-7			
5.187	2132064	4.91514242		4.92	59	NBS75K.1	1910	9
Propanoic acid, 2-methyl-, 3-methylbutyl					CAS #: 2050-01-3			
5.282	855409	1.97201187		1.97	72	NBS75K.1	11991	9
Ethane, 1,1'-oxybis[2-ethoxy-					CAS #: 112-36-7			
5.730	860204	1.98306665		1.98	72	NBS75K.1	67655	9


Date File: /var/chem/10mss1.i/021804.b/04909.d
Injection Date: 18-FEB-2004 17:04
Instrument: 10mss1.i
Client Sample ID: E04-0120-67434
Y (x10^6)
HP MS 04909.d: 1.050 to 45.135 Min
Min


Data File: /var/chem/10mssi.i/021804.b/04909.d
Date : 18-FEB-2004 17:04
Client ID: E04-0120-67434
Sample Info: 10533140
Volume Injected (uL): 1.0
Column phase: DB-EMS
Instrument: 10mssi.i
Operator: KSK
Column diameter: 0.25
Y (x10^6)
Min
-2-Fluorophenol
-Phenol-d6 (S)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
2-Fluorobiphenyl
Acenaphthene-d10
-2,4,6-Tribromophenol (S)
-Phenanthrene-d10
Terphenyl-d14
-Chrysene-d12
-Perylene-d12
/var/chem/10mssi.i/021804.b/04909.d

Data File: /var/chem/10mssi.i/021804.b/04909.d

Date : 18-FEB-2004 17:04

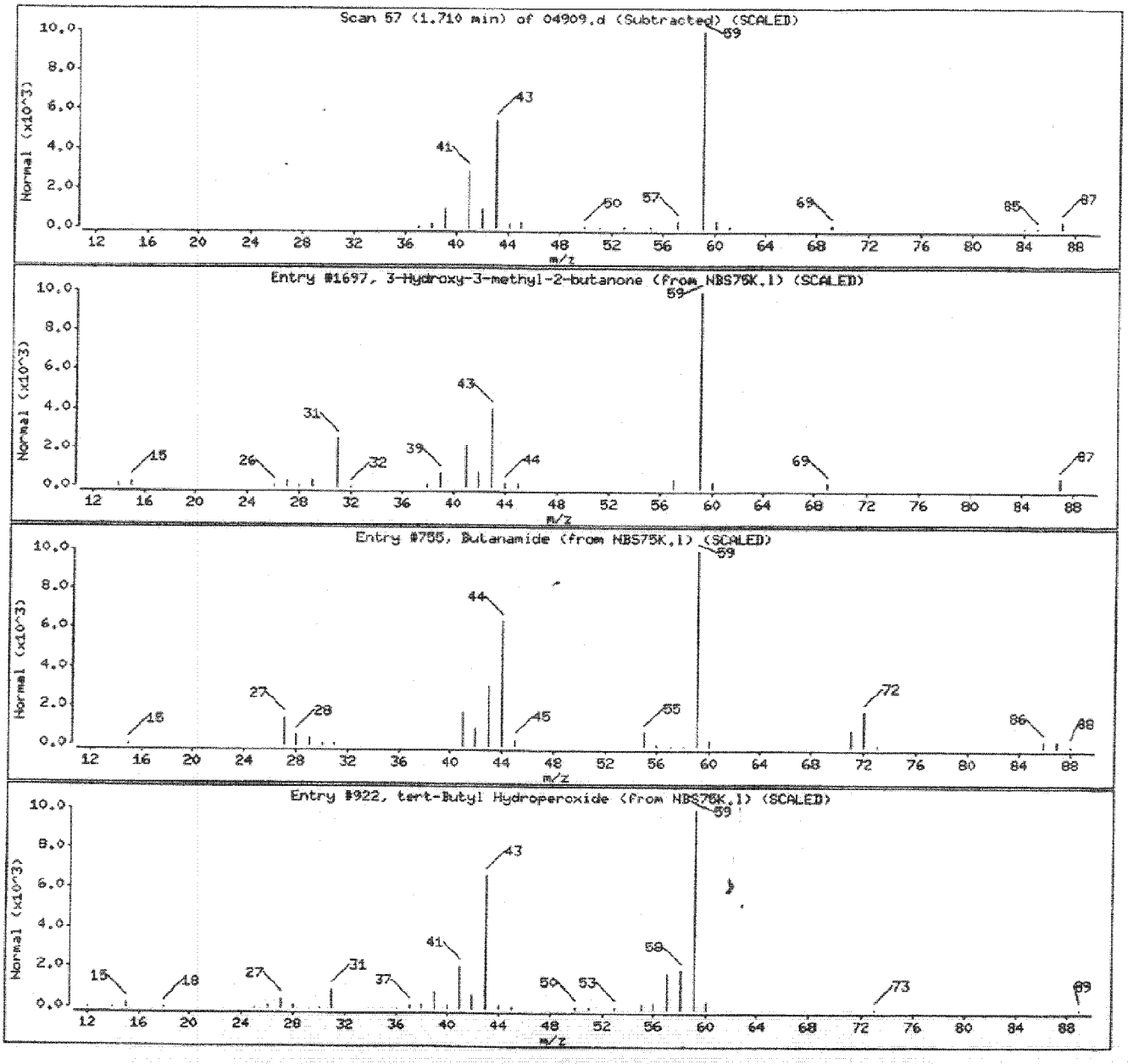
Client ID: E04-0120-67434 Instrument: 10mssi.i

Sample Info: 105333140

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Hydroxy-3-methyl-2-butanone	115-22-0	NBS75K.l	1697	72	C5H10O2	102
Butanamide	541-35-5	NBS75K.l	755	56	C4H9NO	87
tert-Butyl Hydroperoxide	75-91-2	NBS75K.l	922	40	C4H10O2	90



Data File: /var/chem/10mss1.i/021804.b/04909.d

Date : 18-FEB-2004 17:04

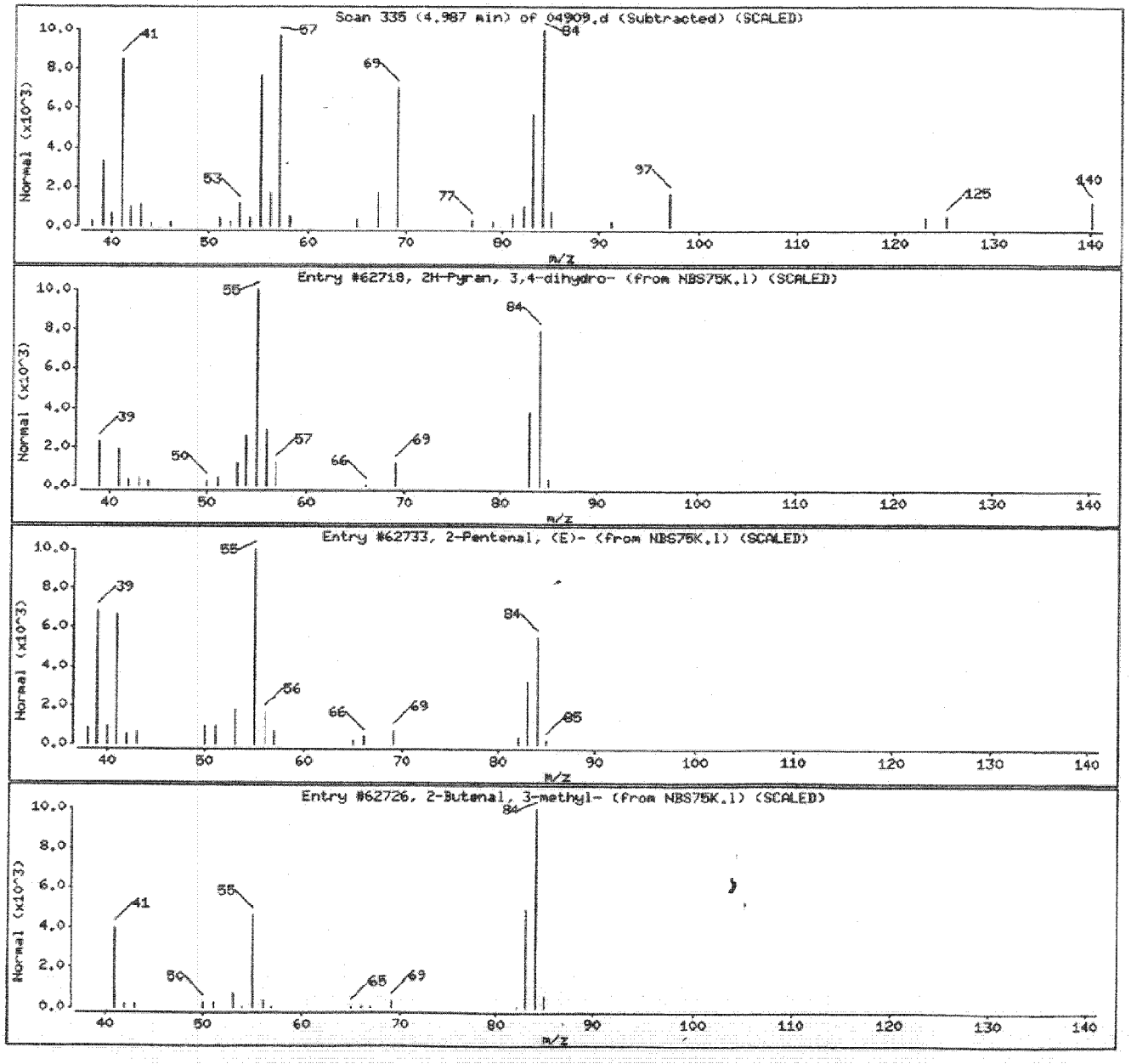
Client ID: E04-0120-67434 Instrument: 10mss1.i

Sample Info: 105333140

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2H-Pyran, 3,4-dihydro-	110-87-2	NBS75K.l	62718	62	C5H8O	84
2-Pentenal, (E)-	1576-87-0	NBS75K.l	62733	59	C5H8O	84
2-Butenal, 3-methyl-	107-86-8	NBS75K.l	62726	58	C5H8O	84



Data File: /var/chem/10mss1.i/021804.b/04909.d

Date : 18-FEB-2004 17:04

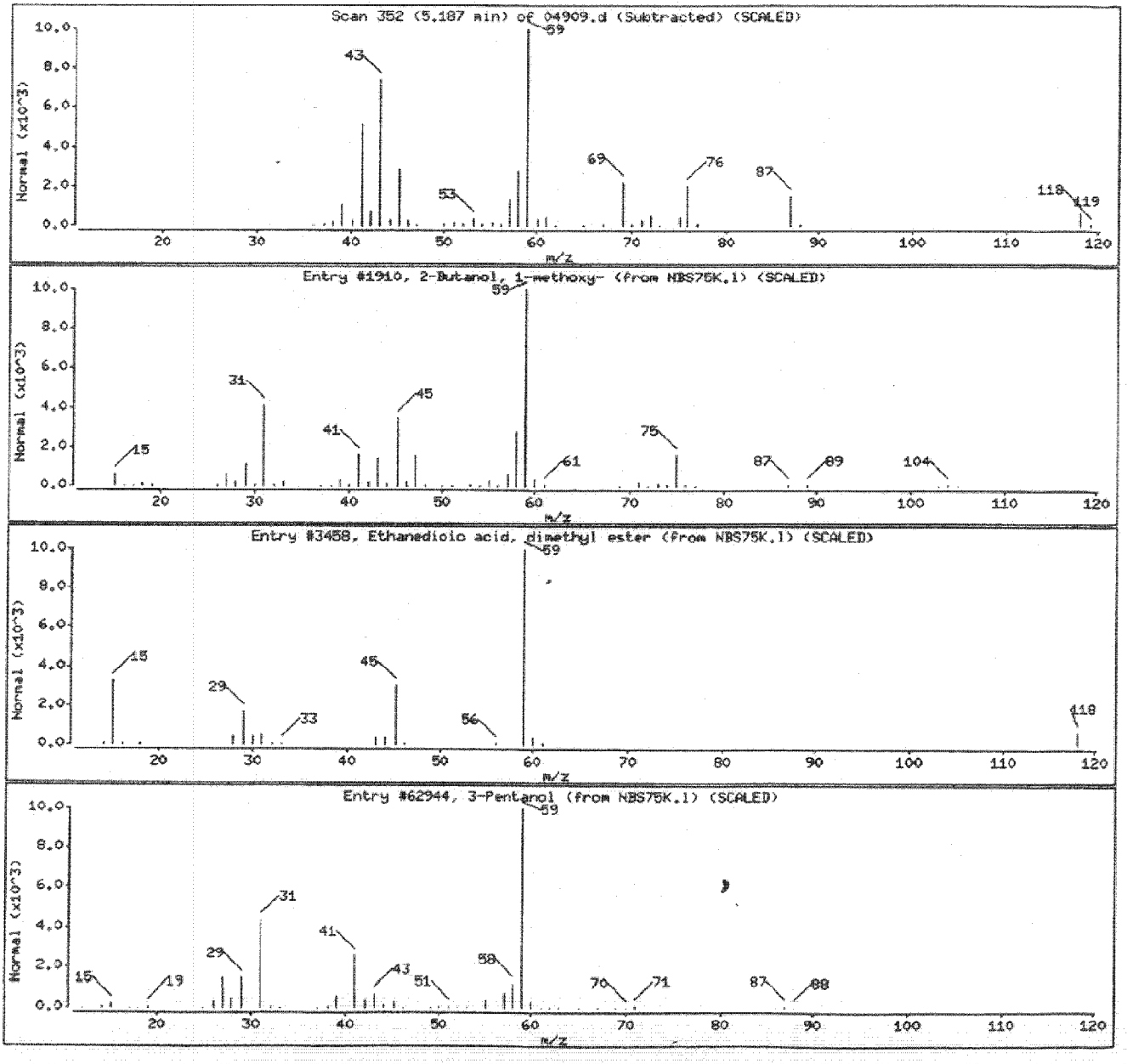
Client ID: E04-0120-67434 Instrument: 10mss1.i

Sample Info: 105333140

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Butanol, 1-methoxy-	53778-73-7	NBS75K.l	1910	59	C5H12O2	104
Ethanedioic acid, dimethyl ester	563-90-2	NBS75K.l	3458	49	C4H6O4	118
3-Pentanol	584-02-1	NBS75K.l	62944	47	C5H12O	88



Data File: /var/chem/10mss1.i/021804.b/04909.d

Date : 18-FEB-2004 17:04

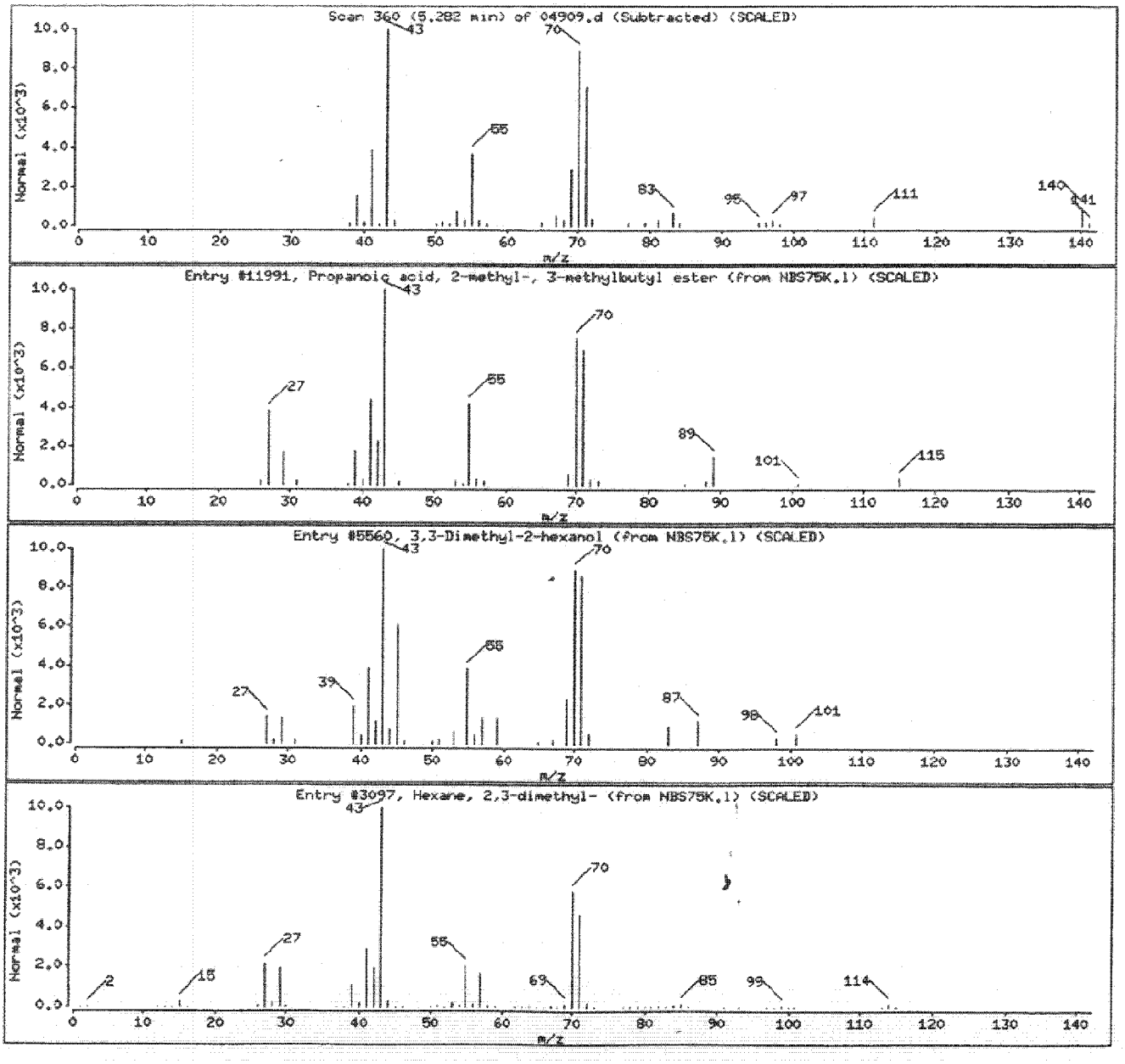
Client ID: E04-0120-67434 Instrument: 10mss1.i

Sample Info: 105333140

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Propanoic acid, 2-methyl-, 3-methylbutyl	2050-01-3	NBS75K.l	11991	72	C9H1802	158
3,3-Dimethyl-2-hexanol	22025-20-3	NBS75K.l	5560	72	C8H180	130
Hexane, 2,3-dimethyl-	584-94-1	NBS75K.l	3097	56	C8H18	114



Data File: /var/chem/10mss1.i/021804.b/04909.d

Date : 18-FEB-2004 17:04

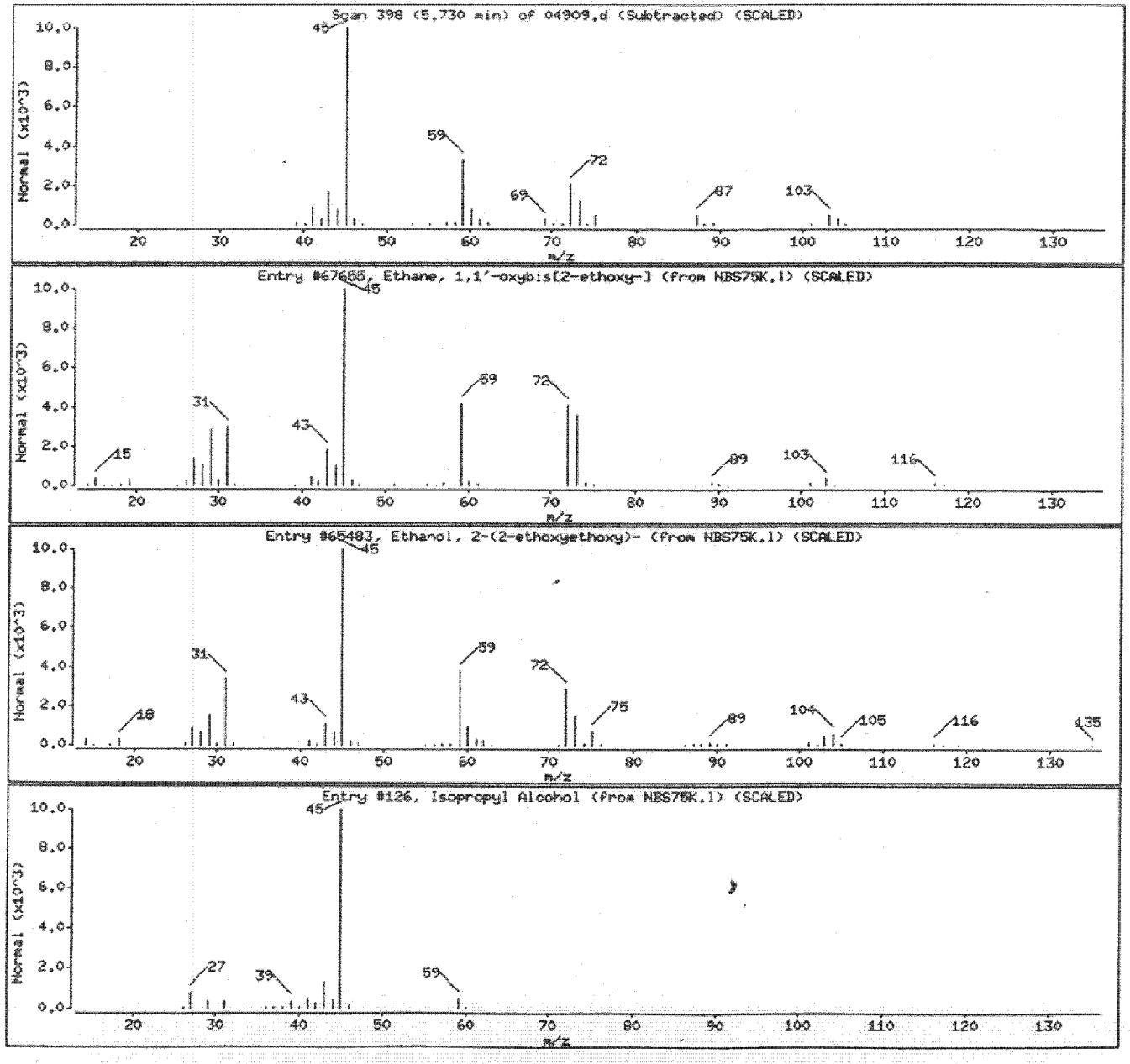
Client ID: E04-0120-67434 Instrument: 10mss1.i

Sample Info: 105333140

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethane, 1,1'-oxybis[2-ethoxy-]	112-36-7	NBS75K.l	67655	72	C8H1803	162
Ethanol, 2-(2-ethoxyethoxy)-	111-90-0	NBS75K.l	65483	64	C6H1403	134
Isopropyl Alcohol	67-63-0	NBS75K.l	126	58	C3H80	60



Data File: /var/chem/10mss1.i/021804.b/04908.d
Report Date: 23-Feb-2004 12:20

Pace Analytical Services, Inc.

BASE, NEUTRAL, ACID QUANT AND RATIO REPORT

Data file : /var/chem/10mss1.i/021804.b/04908.d
Lab Smp Id: 105333132 Client Smp ID: E04-0120-67432
Inj Date : 18-FEB-2004 16:10
Operator : KSK Inst ID: 10mss1.i
Smp Info : 105333132
Misc Info :
Comment : RCRA 8270C - SEMIVOLATILES
Method : /var/chem/10mss1.i/021804.b/SV07-043.m
Meth Date : 23-Feb-2004 11:14 kking Quant Type: ISTD
Cal Date : 12-FEB-2004 20:45 Cal File: 04307.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 625.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

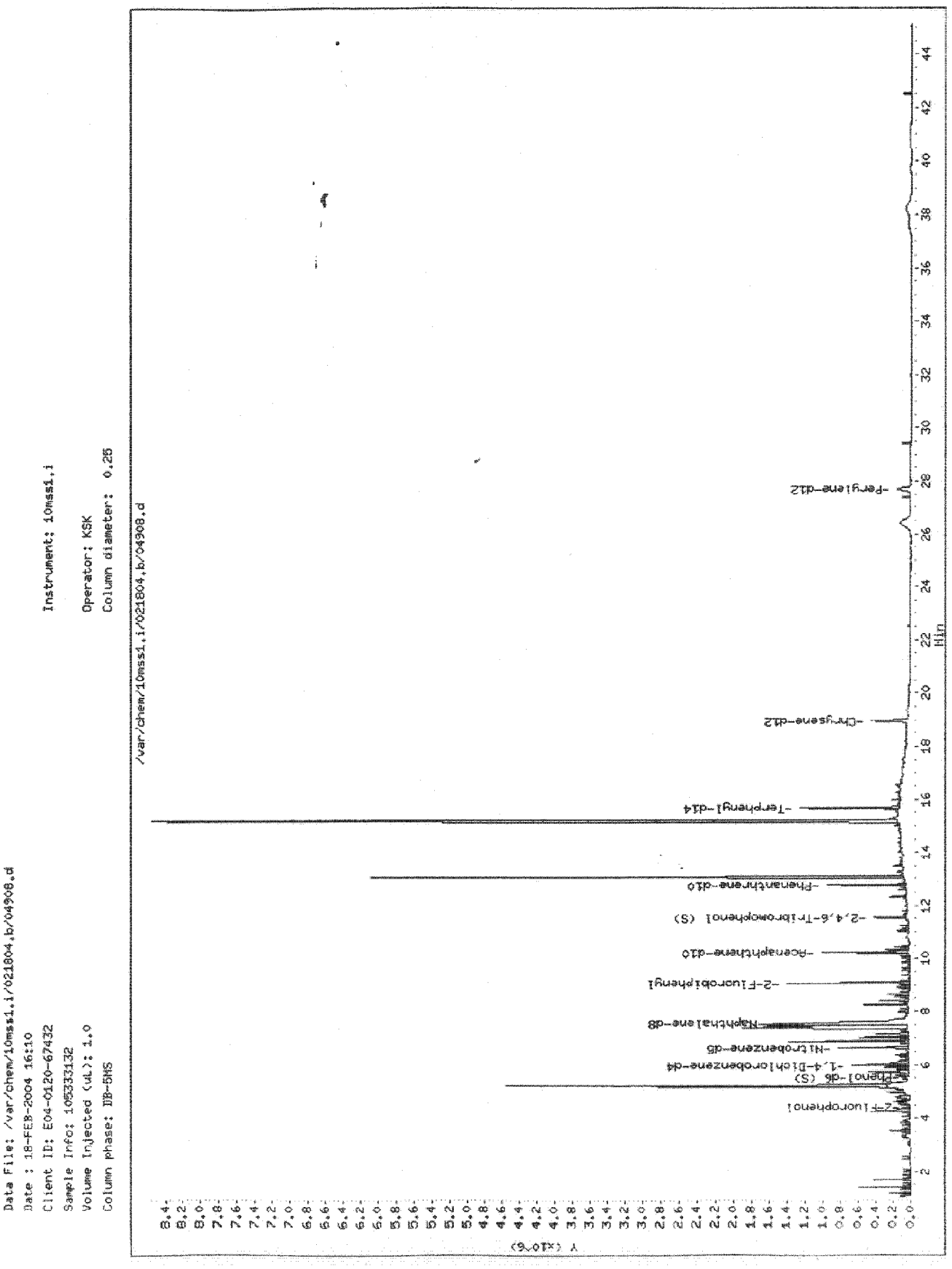
ISTD	RT	AREA	AMOUNT
* 9 1,4-Dichlorobenzene-d4	6.002	1301682	3.000
* 45 Acenaphthene-d10	10.245	2152915	40.000
* 62 Phenanthrene-d10	12.768	1769383	40.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON COL(NG)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
3-Hydroxy-3-methyl-2-butanone			CAS #: 115-22-0				
1.711	558462	1.28709347	1.29	72	NBS75K.l	1697	9

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Data File: /var/chem/10mss1.i/021804.b/04908.d
Report Date: 23-Feb-2004 12:20

RT	AREA	CONCENTRATIONS ON COL(NG)	FINAL(ug/L)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
3.525	626143	1.44307793	1.44	0		0	9
2-Heptanol, 2-methyl-				CAS #: 625-25-2			
4.269	1432761	3.30209849	3.30	50	NBS75K.l	5531	9
Unknown				CAS #:			
4.788	783085	1.80478363	1.80	0		0	9
Furan, 2,3-dihydro-4-methyl-				CAS #: 34314-83-5			
4.976	674718	1.55502906	1.56	58	NBS75K.l	557	9
Ethane, 1,1'-oxybis(2-methoxy-				CAS #: 111-96-6			
5.224	12061593	27.7984718	27.8	83	NBS75K.l	6085	9
Ethanol, 2-(2-ethoxyethoxy)				CAS #: 111-90-0			
5.731	1278776	2.94720857	2.95	56	NBS75K.l	65483	9
2-Propanol, 1,1'-oxybis-				CAS #: 110-98-5			
6.084	762018	1.75623150	1.76	78	NBS75K.l	6087	9
1-Heptene				CAS #: 592-76-7			
6.886	2676270	6.16802630	6.17	59	NBS75K.l	63242	9
1,2-Benzenedicarbonitrile, 4-amino-				CAS #: 56765-79-8			
7.027	1157368	2.66739685	2.67	18	NBS75K.l	8183	9
2-Fluoro-6-nitrophenol				CAS #: 1526-17-6			
7.157	797366	1.83769773	1.84	97	NBS75K.l	11655	9
2-Propenamide, N-(1,1-dimethylethyl)-				CAS #: 107-58-4			
8.265	955668	17.7557941	17.8	40	NBS75K.l	4760	45
1,3-Dioxolane, 2-(4-methoxyphenyl)-2-met				CAS #: 0-00-0			
13.074	13446814	303.988711	304	64	NBS75K.l	21216	62
Ethanol, 2-[2-[4-(1,1,3,3-tetramethylbut				CAS #: 2315-61-9			
15.207	35627899	805.430900	805	86	NBS75K.l	41793	62



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Data File: /var/chem/10mss1.i/021804.b/04908.d

Date : 18-FEB-2004 16:10

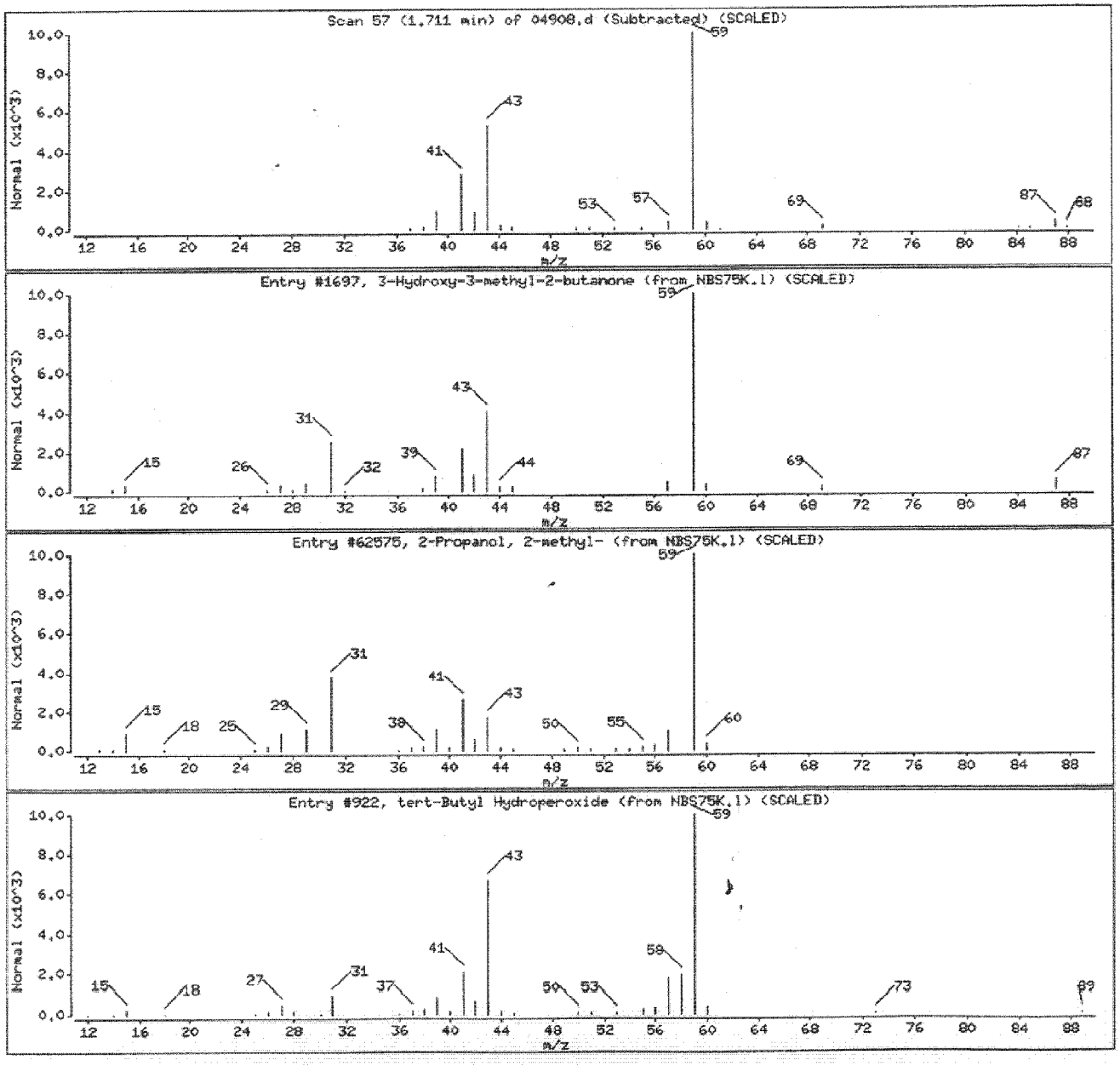
Client ID: E04-0120-67432 Instrument: 10mss1.i

Sample Info: 105333132

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Hydroxy-3-methyl-2-butanone	115-22-0	NBS75K.l	1697	72	C5H10O2	102
2-Propanol, 2-methyl-	75-65-0	NBS75K.l	62575	38	C4H10O	74
tert-Butyl Hydroperoxide	75-91-2	NBS75K.l	922	38	C4H10O2	90



Data File: /var/chem/10mss1.i/021804.b/04908.d

Date : 18-FEB-2004 16:10

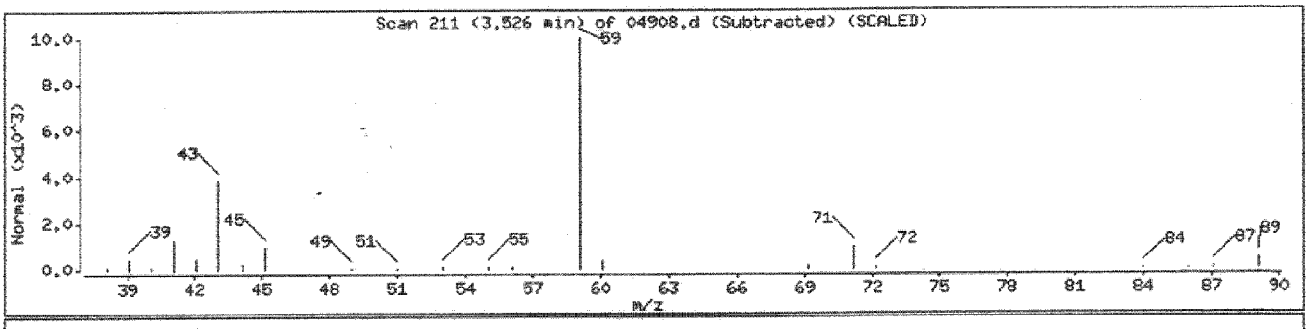
Client ID: E04-0120-67432 Instrument: 10mss1.i

Sample Info: 105333132

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: /var/chem/10mss1.i/021004.b/04908.d

Date : 18-FEB-2004 16:10

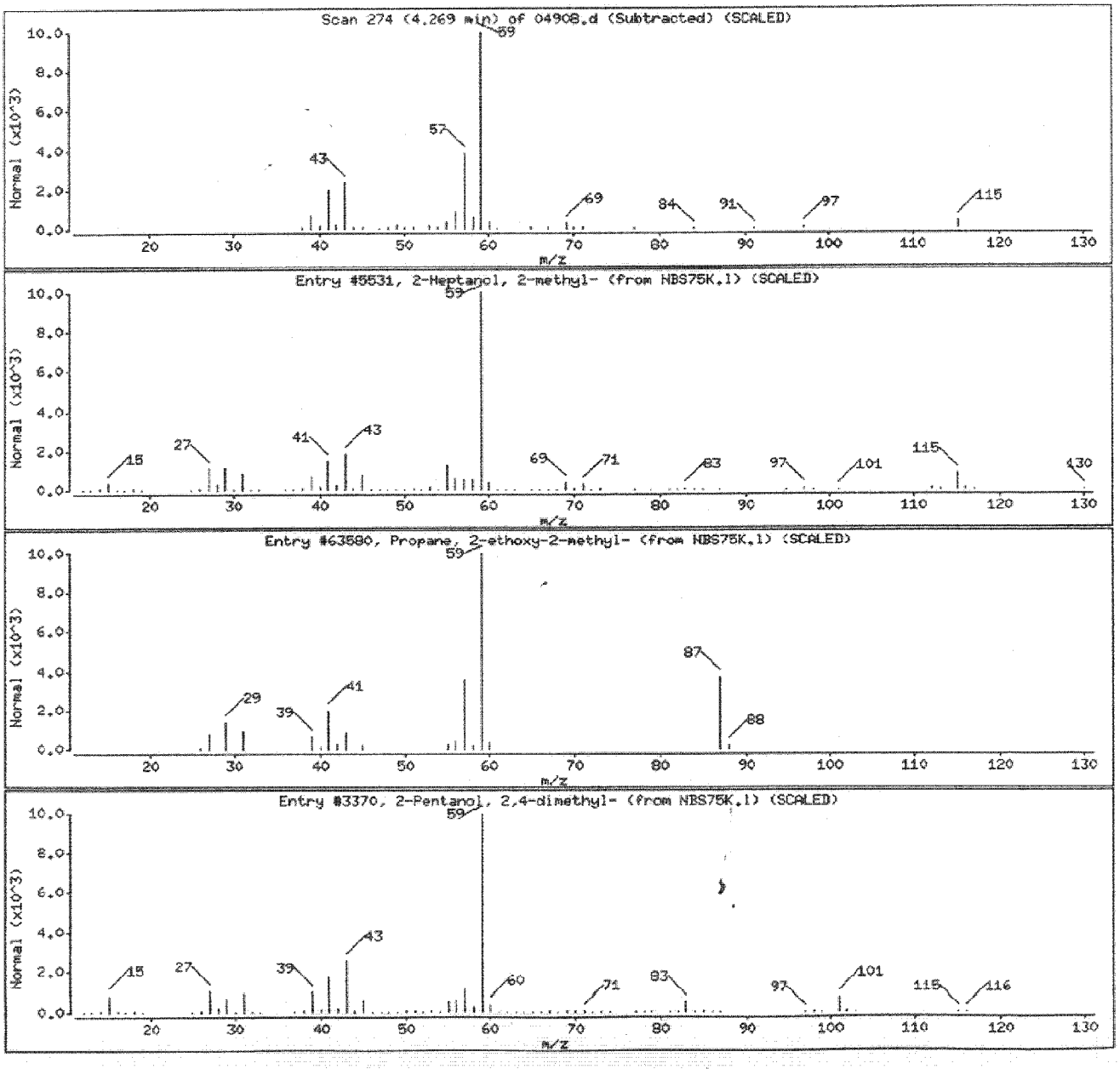
Client ID: E04-0120-67432 Instrument: 10mss1.i

Sample Info: 105333132

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Heptanol, 2-methyl-	625-25-2	NBS75K.l	5531	50	C8H18O	130
Propane, 2-ethoxy-2-methyl-	637-92-3	NBS75K.l	63580	40	C6H14O	102
2-Pentanol, 2,4-dimethyl-	625-06-9	NBS75K.l	3370	39	C7H16O	116



Data File: /var/chem/10mss1.i/021804.b/04908.d

Date : 18-FEB-2004 16:10

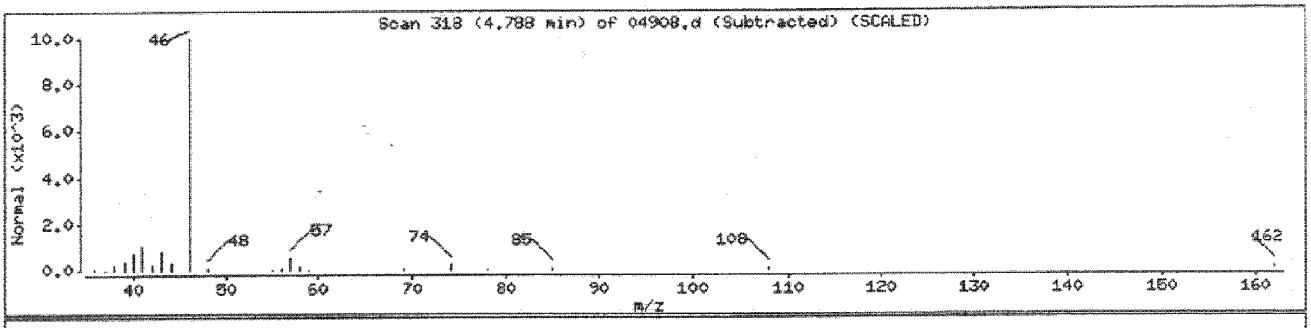
Client ID: E04-0120-67432 Instrument: 10mss1.i

Sample Info: 105333132

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: /var/chem/10mss1.i/021804.b/04908.d

Date : 18-FEB-2004 16:10

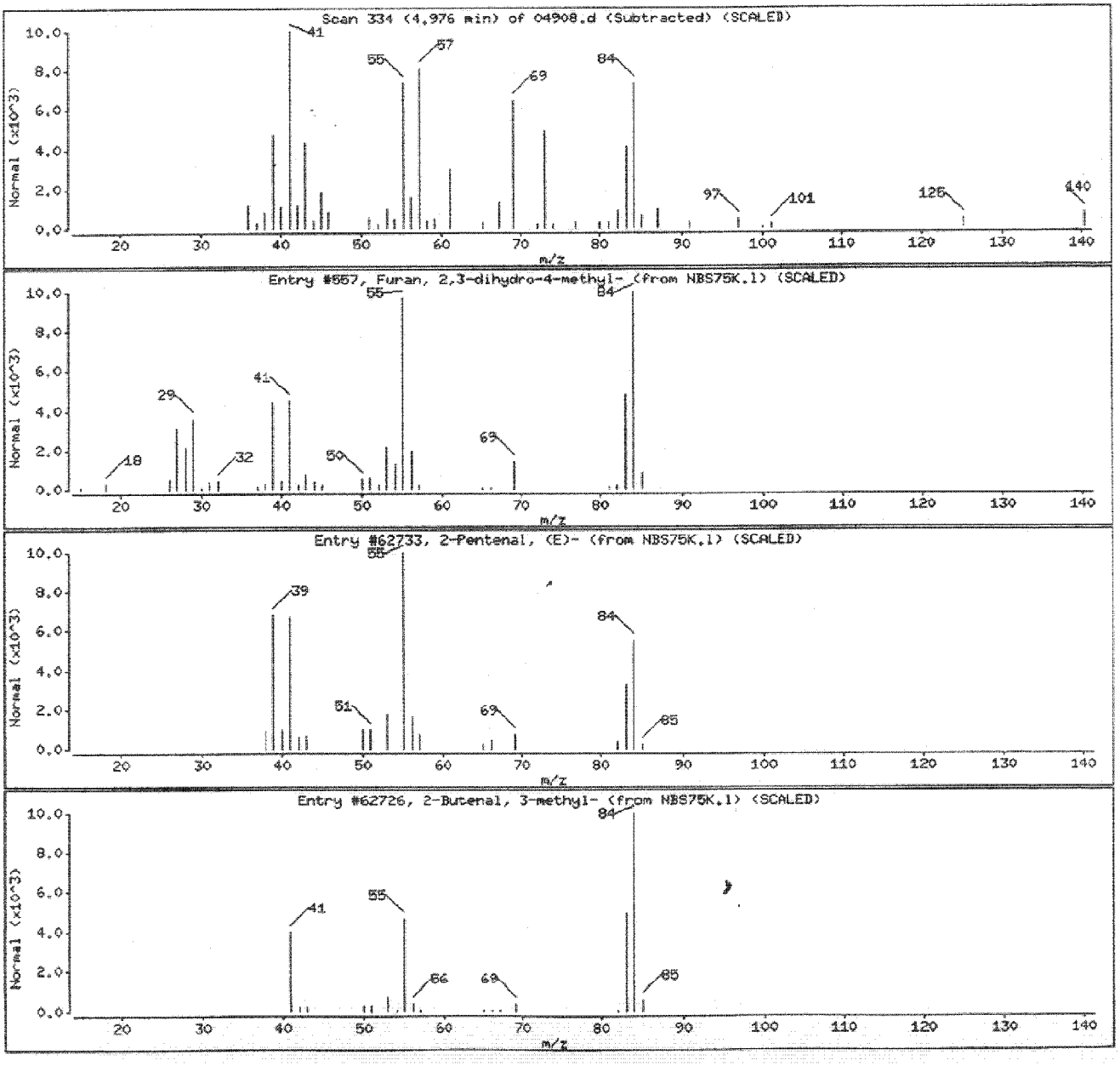
Client ID: E04-0120-67432 Instrument: 10mss1.i

Sample Info: 105333132

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Furan, 2,3-dihydro-4-methyl-	34314-83-5	NBS75K.1	557	58	C5H8O	84
2-Pentenal, (E)-	1576-87-0	NBS75K.1	62733	53	C5H8O	84
2-Butenal, 3-methyl-	107-86-8	NBS75K.1	62726	50	C5H8O	84



Data File: /var/chem/10mss1.i/021804.b/04908.d

Date : 18-FEB-2004 16:10

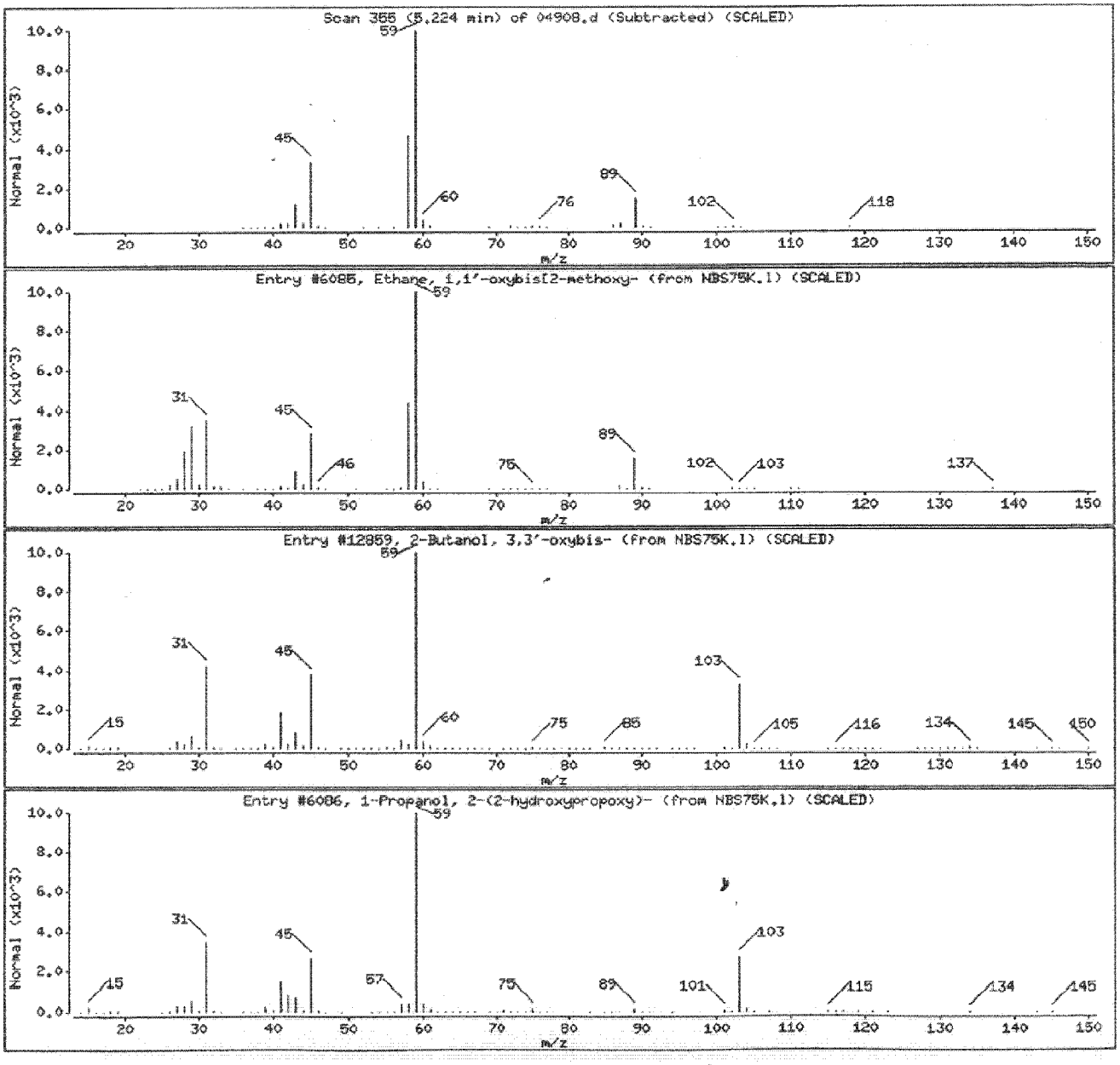
Client ID: E04-0120-67432 Instrument: 10mss1.i

Sample Info: 105333132

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethane, 1,1'-oxybis[2-methoxy-	111-96-6	NBS75K.l	6085	83	C6H1403	134
2-Butanol, 3,3'-oxybis-	54305-61-2	NBS75K.l	12859	40	C8H1803	162
1-Propanol, 2-(2-hydroxypropoxy)-	106-62-7	NBS75K.l	6086	33	C6H1403	134



Data File: /var/chem/10mss1.i/021804.b/04908.d

Date : 18-FEB-2004 16:10

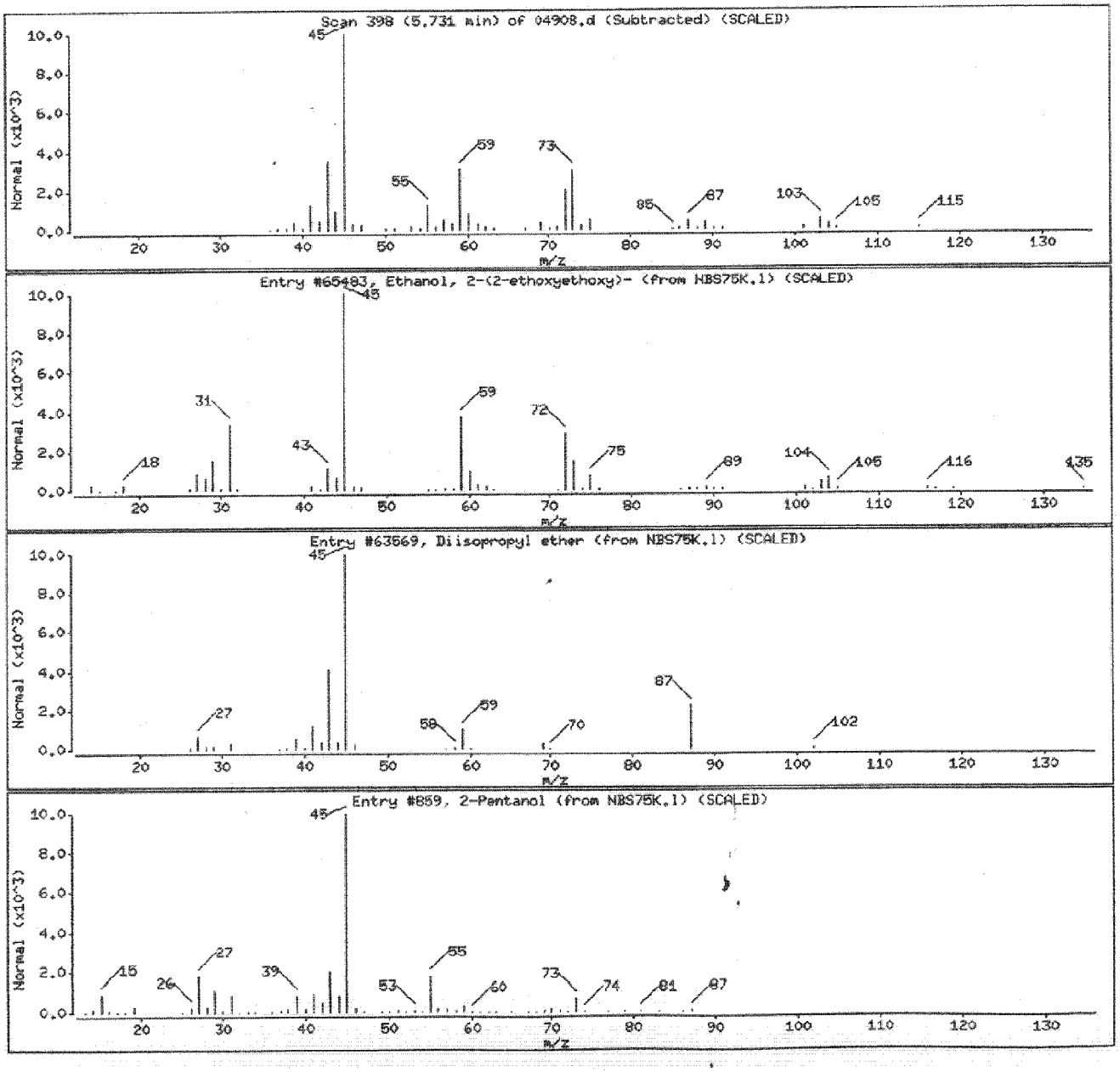
Client ID: E04-0120-67432 Instrument: 10mss1.i

Sample Info: 196333132

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethanol, 2-(2-ethoxyethoxy)-	111-90-0	NBS75K.l	65483	56	C6H1403	134
Diisopropyl ether	108-20-3	NBS75K.l	63569	47	C6H140	102
2-Pentanol	6032-29-7	NBS75K.l	859	40	C5H120	88



Data File: /var/chem/10mss1.i/021804.b/04908.d

Date : 18-FEB-2004 16:10

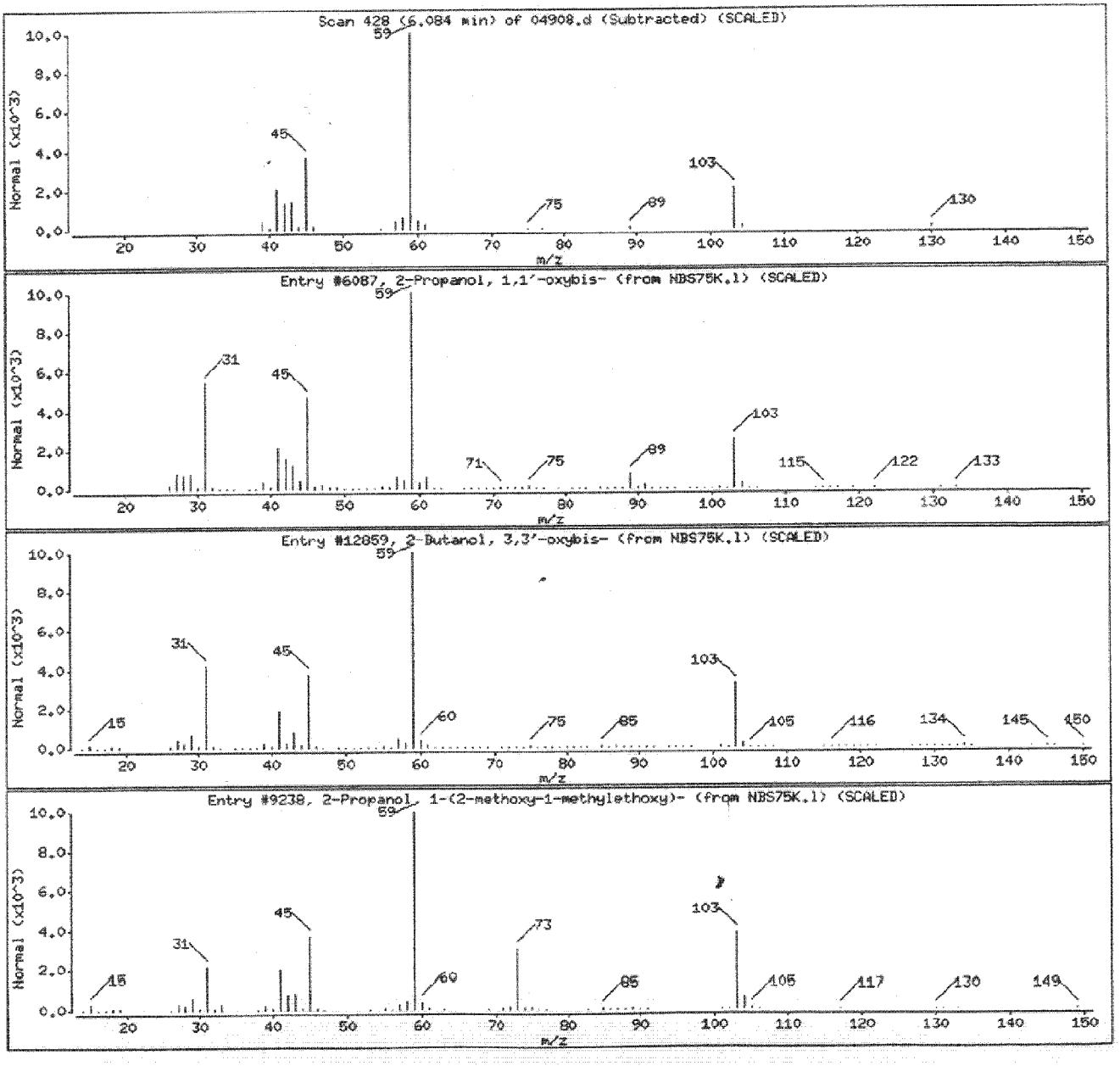
Client ID: E04-0120-67432 Instrument: 10mss1.i

Sample Info: 105333132

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Propanol, 1,1'-oxybis-	110-98-5	NBS75K.l	6087	78	C6H1403	134
2-Butanol, 3,3'-oxybis-	54305-61-2	NBS75K.l	12859	64	C8H1803	162
2-Propanol, 1-(2-methoxy-1-methylethoxy)	20324-32-7	NBS75K.l	9238	64	C7H1603	148



Data File: /var/chem/10mss1.i/021804.b/04908.d

Date : 18-FEB-2004 16:10

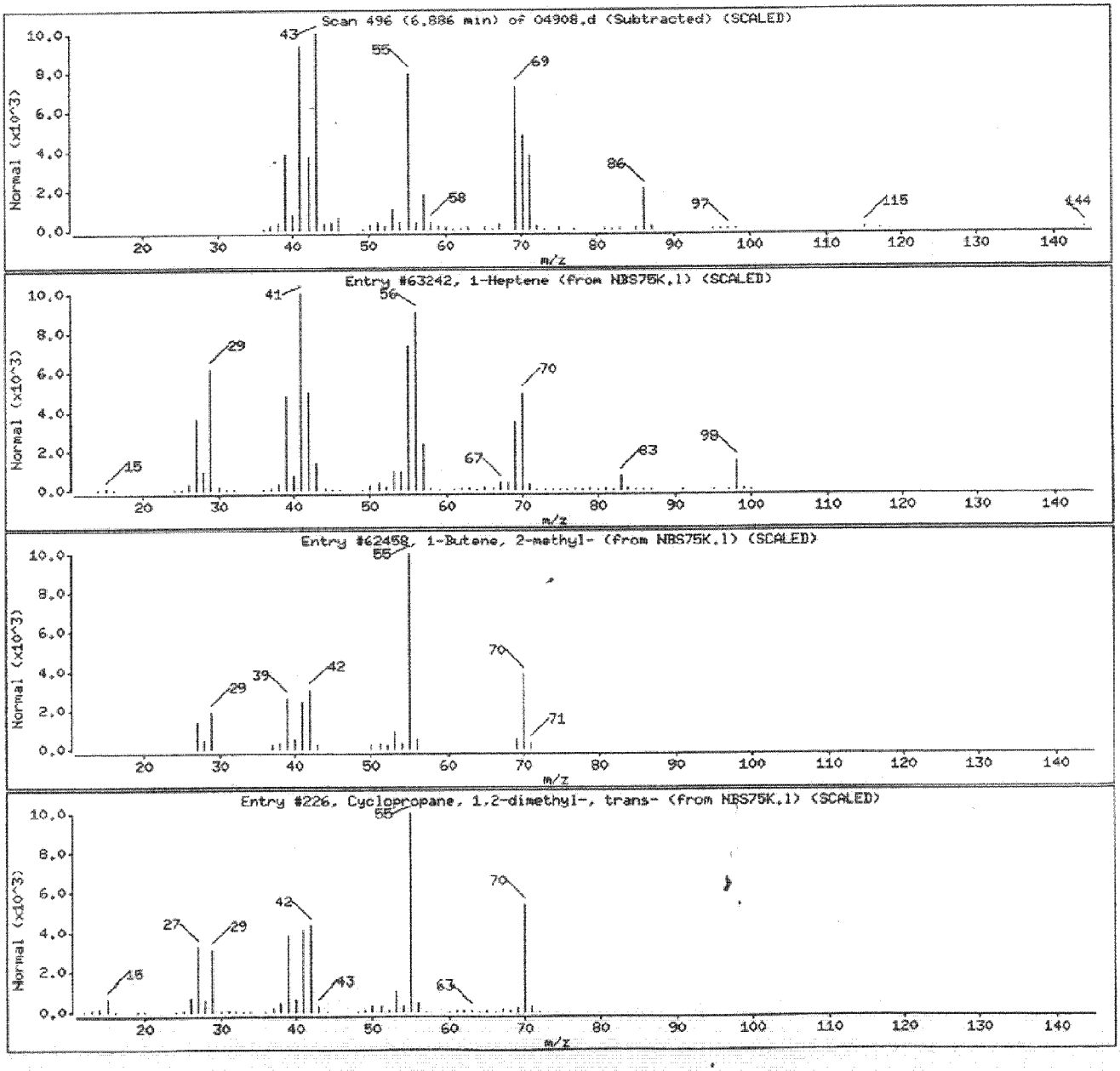
Client ID: E04-0120-67432 Instrument: 10mss1.i

Sample Info: 105333132

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1-Heptene	592-76-7	NBS75K.1	63242	59	C7H14	98
1-Butene, 2-methyl-	563-46-2	NBS75K.1	62458	58	C5H10	70
Cyclopropane, 1,2-dimethyl-, trans-	2402-06-4	NBS75K.1	226	53	C5H10	70



Data File: /var/chem/10mss1.i/021804.b/04908.d

Date : 18-FEB-2004 16:10

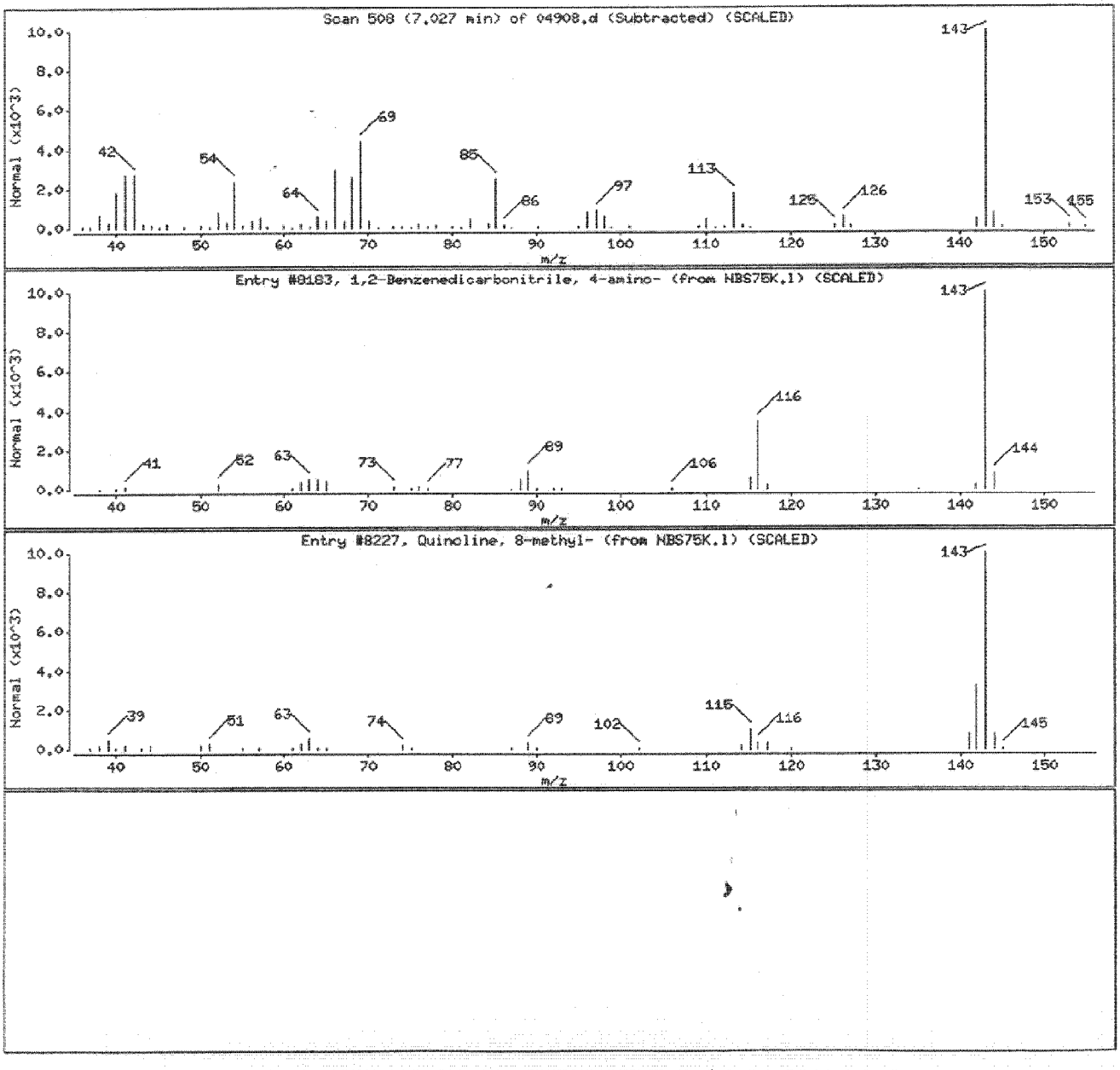
Client ID: E04-0120-67432 Instrument: 10mss1.i

Sample Info: 105333132

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,2-Benzenedicarbonitrile, 4-amino-	56765-79-8	NBS75K.l	8183	18	C8H5N3	143
Quinoline, 8-methyl-	611-32-5	NBS75K.l	8227	14	C10H9N	143



Data File: /var/chem/10mss1.i/021804.b/04908.d

Date : 18-FEB-2004 16:10

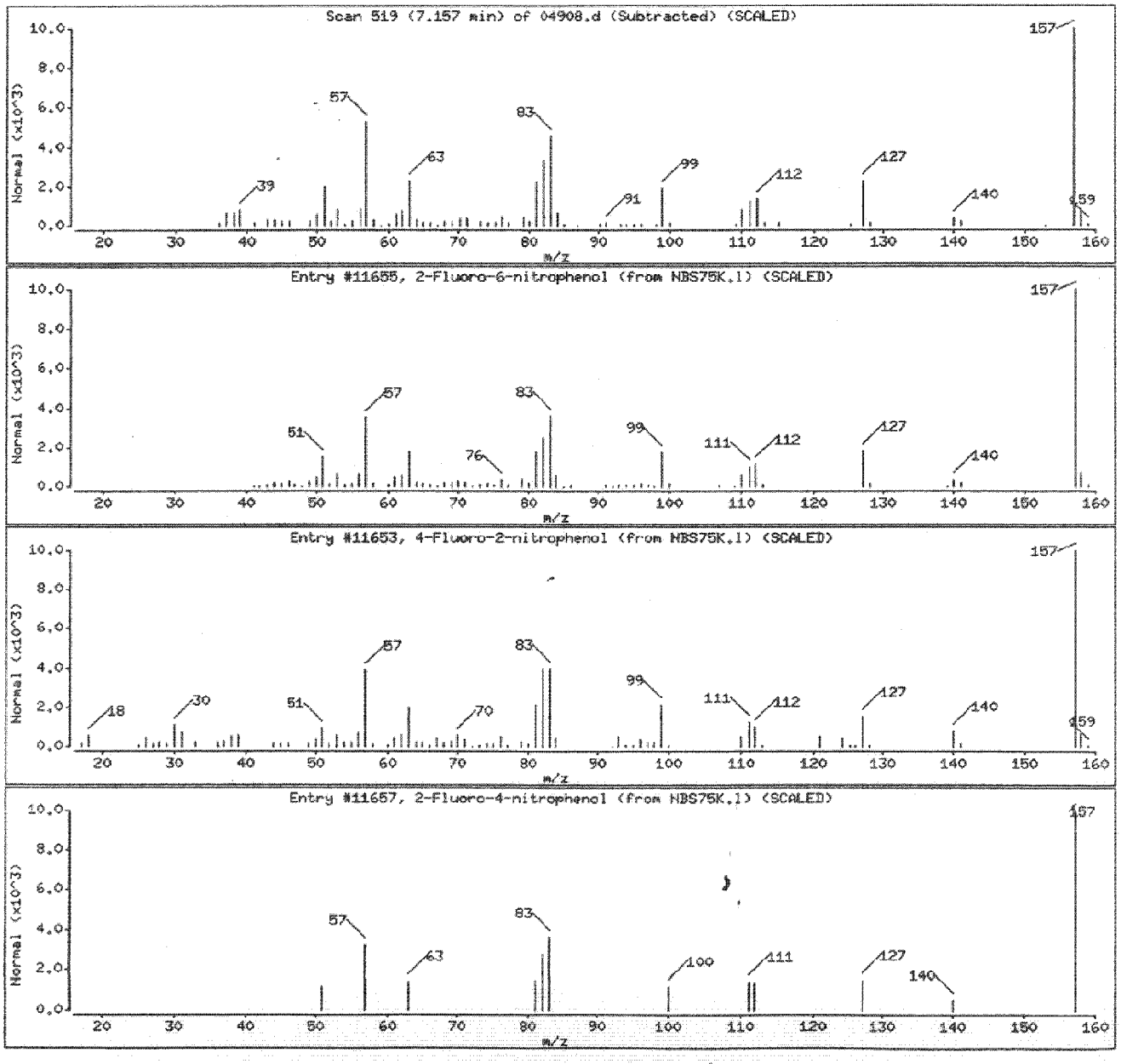
Client ID: E04-0120-67432 Instrument: 10mss1.i

Sample Info: 105333132

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Fluoro-6-nitrophenol	1526-17-6	NBS75K.l	11655	97	C6H4FNO3	157
4-Fluoro-2-nitrophenol	394-33-2	NBS75K.l	11653	87	C6H4FNO3	157
2-Fluoro-4-nitrophenol	403-19-0	NBS75K.l	11657	87	C6H4FNO3	157



Data File: /var/chem/10mss1.i/021804.b/04908.d

Date : 18-FEB-2004 16:10

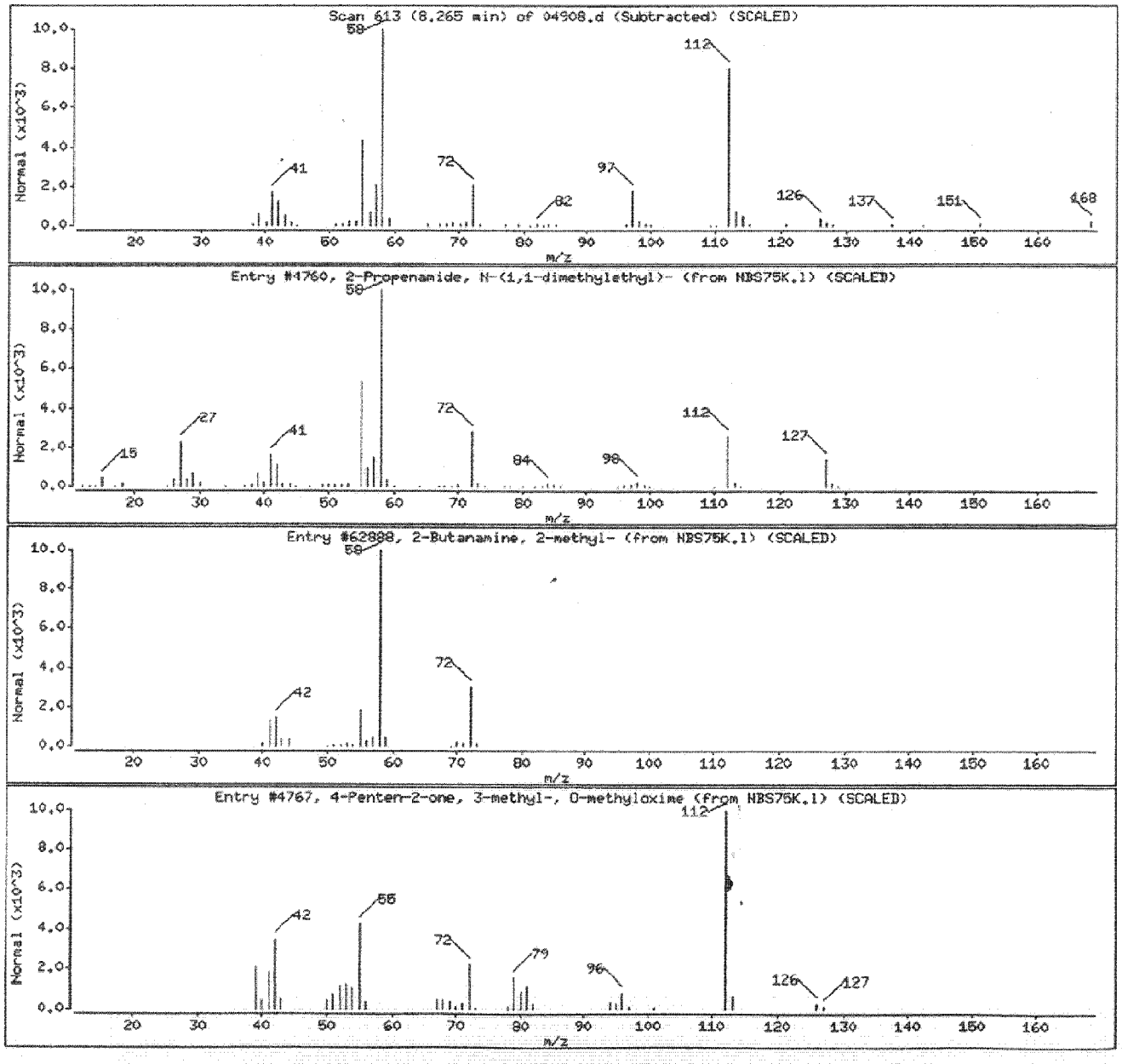
Client ID: E04-0120-67432 Instrument: 10mss1.i

Sample Info: 105333132

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Propenamide, N-(1,1-dimethylethyl)-	107-58-4	NBS75K.l	4760	40	C7H13NO	127
2-Butanamine, 2-methyl-	594-39-8	NBS75K.l	62888	38	C5H13N	87
4-Penten-2-one, 3-methyl-, O-methyloxime	56335-98-9	NBS75K.l	4767	30	C7H13NO	127



Data File: /var/chem/10mss1.i/021804.b/04908.d

Date : 18-FEB-2004 16:10

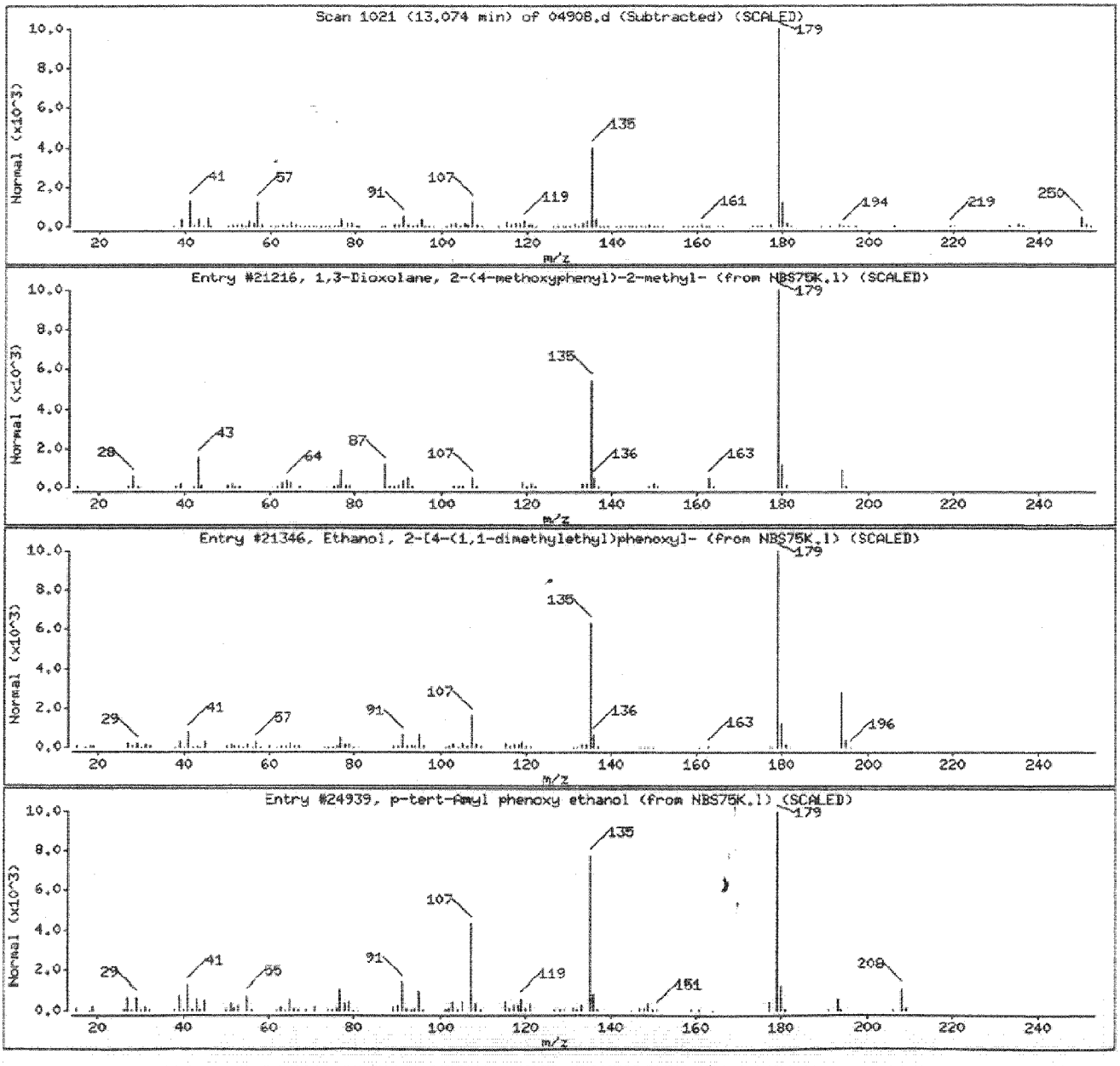
Client ID: E04-0120-67432 Instrument: 10mss1.i

Sample Info: 105333132

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5HS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,3-Dioxolane, 2-(4-methoxyphenyl)-2-met	0-00-0	NBS75K.1	21216	64	C11H1403	194
Ethanol, 2-[4-(1,1-dimethylethyl)phenoxy	713-46-2	NBS75K.1	21346	52	C12H1802	194
p-tert-Amyl phenoxy ethanol	6382-07-6	NBS75K.1	24939	28	C13H2002	208



Data File: /var/chem/10mss1.i/021804.b/04908.d

Date : 18-FEB-2004 16:10

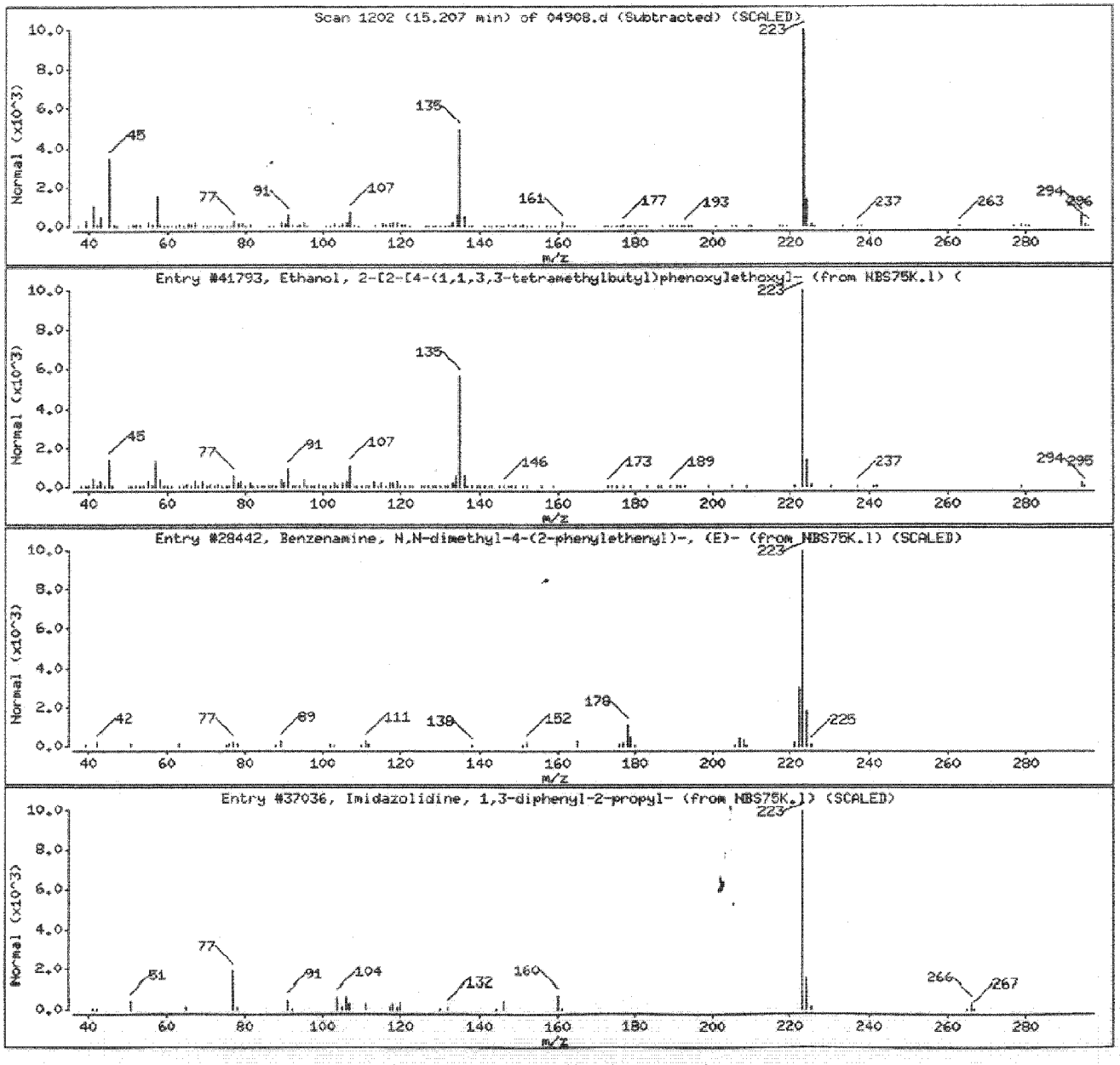
Client ID: E04-0120-67432 Instrument: 10mss1.i

Sample Info: 105333132

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethanol, 2-[2-[4-(1,1,3,3-tetramethylbut	2315-61-9	NBS75K.l	41793	86	C18H3003	294
Benzenamine, N,N-dimethyl-4-(2-phenyleth	938-96-9	NBS75K.l	28442	38	C16H17N	223
Imidazolidine, 1,3-diphenyl-2-propyl-	55320-82-6	NBS75K.l	37036	32	C18H22N2	266



Data File: /var/chem/10mss1.i/021804.b/04912.d
Injection Date: 18-FEB-2004 19:44
Instrument: 10mss1.i
Client Sample ID: E04-0120-67435
HP MS 04912.d: 1.051 to 45.135 Min
Min

Data File: /var/chem/10mss1.i/021804.b/04912.d
Report Date: 23-Feb-2004 12:21

Pace Analytical Services, Inc.

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: 3M ENV
Lab Smp Id: 105333173
Operator : KSK
Sample Location:
Sample Matrix: WATER
Analysis Type: SV

Client SDG: 021804
Client Smp ID: E04-0120-67435
Sample Date: 12-FEB-2004
Sample Point:
Date Received: 13-FEB-2004 00:00
Level: LOW

Number TICs found: 16

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	115-22-0	3-Hydroxy-3-methyl-2-butano	1.711	1.84	NJ
2.	637-92-3	Propane, 2-ethoxy-2-methyl-	4.269	5.42	NJ
3.		Unknown	4.787	1.96	J
4.	1708-31-2	Furan, 2,5-dihydro-3-methyl	4.988	1.86	NJ
5.	111-96-6	Ethane, 1,1'-oxybis[2-metho	5.223	27.2	NJ
6.	31797-64-5	Cyclohexane, (1,1-dimethylp	5.282	1.61	NJ
7.	34887-14-4	Pentane, 2,2-dichloro-	5.506	2.06	NJ
8.	111-90-0	Ethanol, 2-(2-ethoxyethoxy)	5.730	2.28	NJ
9.	592-76-7	1-Heptene	6.885	8.81	NJ
10.		Unknown	7.027	2.48	J
11.	1526-17-6	2-Fluoro-6-nitrophenol	7.157	1.43	NJ
12.	102-82-9	Tributylamine	7.357	9.87	NJ
13.	0-00-0	Phenol, 2-fluoro-4-nitro-	8.606	16.0	NJ
14.	776-35-2	Phenanthrene, 9,10-dihydro-	12.331	32.5	NJ
15.	713-46-2	Ethanol, 2-[4-(1,1-dimethyl	13.062	180	NJ
16.	54449-89-7	Pyrrolo[1,2-a]-1,3,5-triazi	15.125	37.8	NJ

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Data File: /var/chem/10mss1.i/021804.b/04912.d
Report Date: 23-Feb-2004 12:21

Pace Analytical Services, Inc.

BASE, NEUTRAL, ACID QUANT AND RATIO REPORT

Data file : /var/chem/10mss1.i/021804.b/04912.d
Lab Smp Id: 105333173 Client Smp ID: E04-0120-67435
Inj Date : 18-FEB-2004 19:44
Operator : KSK Inst ID: 10mss1.i
Smp Info : 105333173
Misc Info :
Comment : RCRA 8270C - SEMIVOLATILES
Method : /var/chem/10mss1.i/021804.b/SV07-043.m
Meth Date : 23-Feb-2004 11:14 kking Quant Type: ISTD
Cal Date : 12-FEB-2004 20:45 Cal File: 04307.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 625.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 9 1,4-Dichlorobenzene-d4	6.001	1337006	3.000
* 45 Acenaphthene-d10	10.245	2021526	40.000
* 62 Phenanthrene-d10	12.767	1767471	40.000

	CONCENTRATIONS			QUANT			
RT	AREA	ON-COL(NG)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
3-Hydroxy-3-methyl-2-butanone				CAS #: 115-22-0			
1.711	822334	1.84516862	1.84	78	NBS75K.1	63477	9

Data File: /var/chem/10mssl.i/021804.b/04912.d
Report Date: 23-Feb-2004 12:21

RT	AREA	CONCENTRATIONS ON-COL(NG)	FINAL(ug/L	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Propane, 2-ethoxy-2-methyl-					CAS #: 637-92-3		
4.269	2417379	5.42415889	5.42	40	NBS75K.1	63579	9
Unknown					CAS #:		
4.787	872375	1.95745055	1.96	0		0	9
Furan, 2,5-dihydro-3-methyl-					CAS #: 1708-31-2		
4.988	826867	1.85533988	1.86	47	NBS75K.1	552	9
Ethane, 1,1'-oxybis[2-methoxy-					CAS #: 111-96-6		
5.223	12148257	27.2584748	27.2	78	NBS75K.1	6085	9
Cyclohexane, (1,1-dimethylpropyl)-					CAS #: 31797-64-5		
5.282	716425	1.60752777	1.61	56	NBS75K.1	67186	9
Pentane, 2,2-dichloro-					CAS #: 34887-14-4		
5.506	917486	2.05867088	2.06	38	NBS75K.1	7249	9
Ethanol, 2-(2-ethoxyethoxy)-					CAS #: 111-90-0		
5.730	1017692	2.28351484	2.28	78	NBS75K.1	6082	9
1-Heptene					CAS #: 592-76-7		
6.885	3927016	8.81150821	8.81	59	NBS75K.1	63242	9
Unknown					CAS #:		
7.027	1103155	2.47527786	2.48	0		0	9
2-Fluoro-6-nitrophenol					CAS #: 1526-17-6		
7.157	636455	1.42808848	1.43	97	NBS75K.1	11655	9
Tributylamine					CAS #: 102-82-9		
7.357	4397254	9.86653777	9.87	74	NBS75K.1	19216	9
Phenol, 2-fluoro-4-nitro-					CAS #: 0-00-0		
8.606	811246	16.0521417	16.0	96	NBS75K.1	11652	45
Phenanthrene, 9,10-dihydro-					CAS #: 776-35-2		
12.331	1435117	32.4784234	32.5	45	NBS75K.1	17958	62
Ethanol, 2-[4-(1,1-dimethylethyl)phenoxy					CAS #: 713-46-2		
13.062	7957397	180.085406	180	52	NBS75K.1	21346	62
Pyrrolo[1,2-a]-1,3,5-triazine-7-carboxyl					CAS #: 54449-89-7		
15.125	1670049	37.7952091	37.8	90	NBS75K.1	28303	62

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Data File: /var/chem/10mss1.i/021804.b/04912.d

Date : 18-FEB-2004 19:44

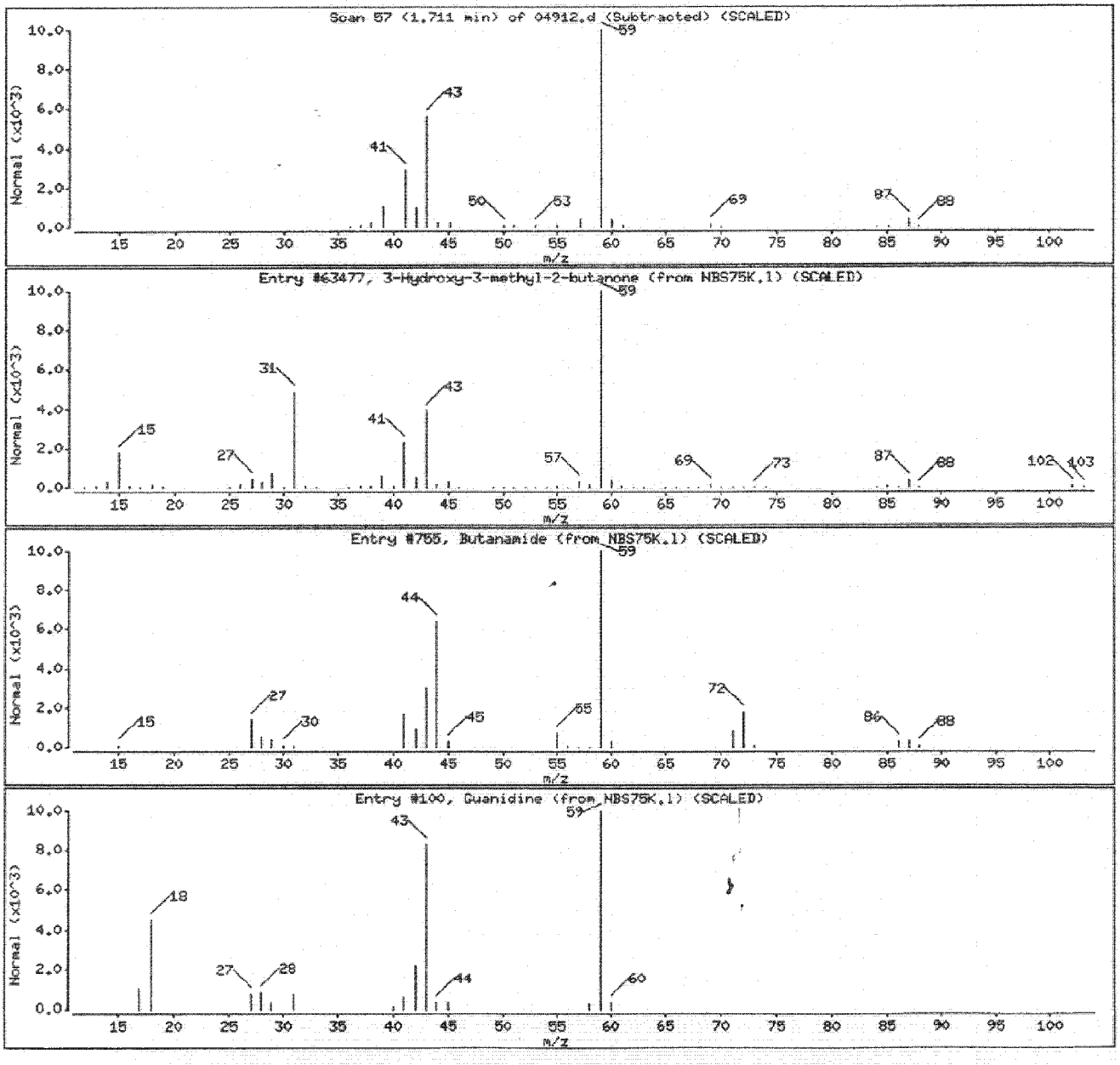
Client ID: E04-0120-67435 Instrument: 10mss1.i

Sample Info: 105333173

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5HS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Hydroxy-3-methyl-2-butanone	115-22-0	NBS75K.l	63477	78	C5H10O2	102
Butanamide	541-35-5	NBS75K.l	755	50	C4H9NO	87
Guanidine	113-00-8	NBS75K.l	100	45	CH5N3	59



Data File: /var/chem/10mss1.i/021804.b/04912.d

Date : 18-FEB-2004 19:44

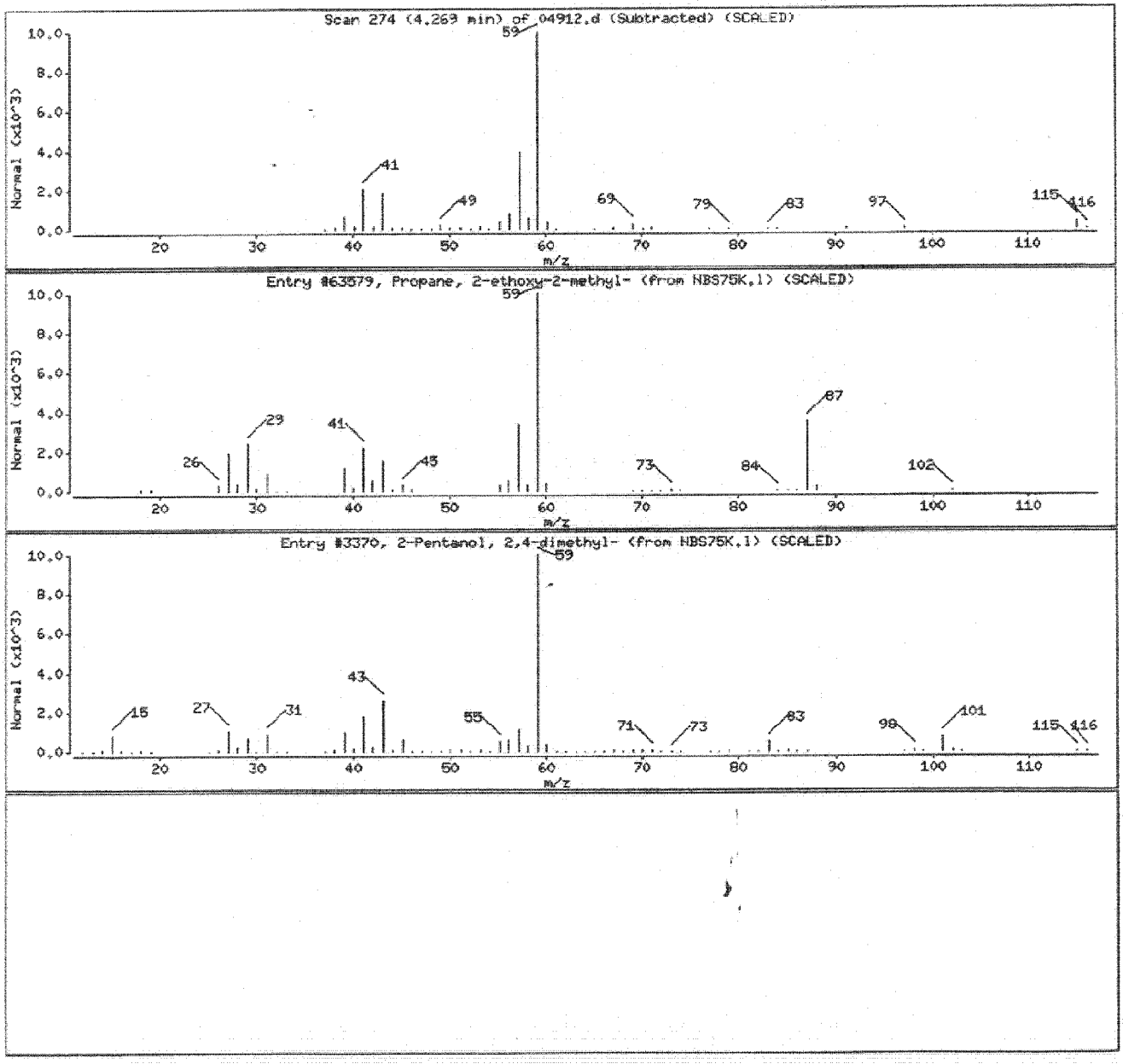
Client ID: E04-0120-67435 Instrument: 10mss1.i

Sample Info: 105333173

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Propane, 2-ethoxy-2-methyl-	637-92-3	NBS75K.l	63579	40	C6H140	102
2-Pentanol, 2,4-dimethyl-	625-06-9	NBS75K.l	3370	39	C7H160	116



Data File: /var/chem/10mss1.i/021804.b/04912.d

Date : 18-FEB-2004 19:44

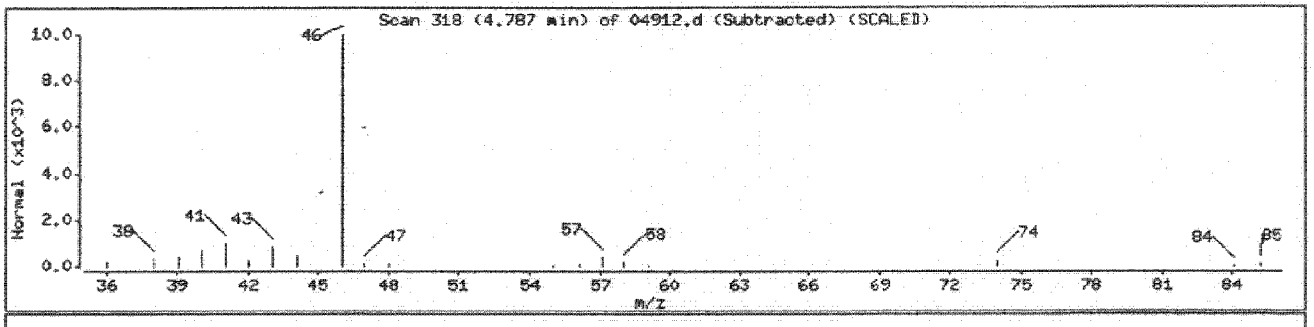
Client ID: E04-0120-67435 Instrument: 10mss1.i

Sample Info: 105333173

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: /var/chem/10mss1.i/021804.b/04912.d

Date : 18-FEB-2004 19:44

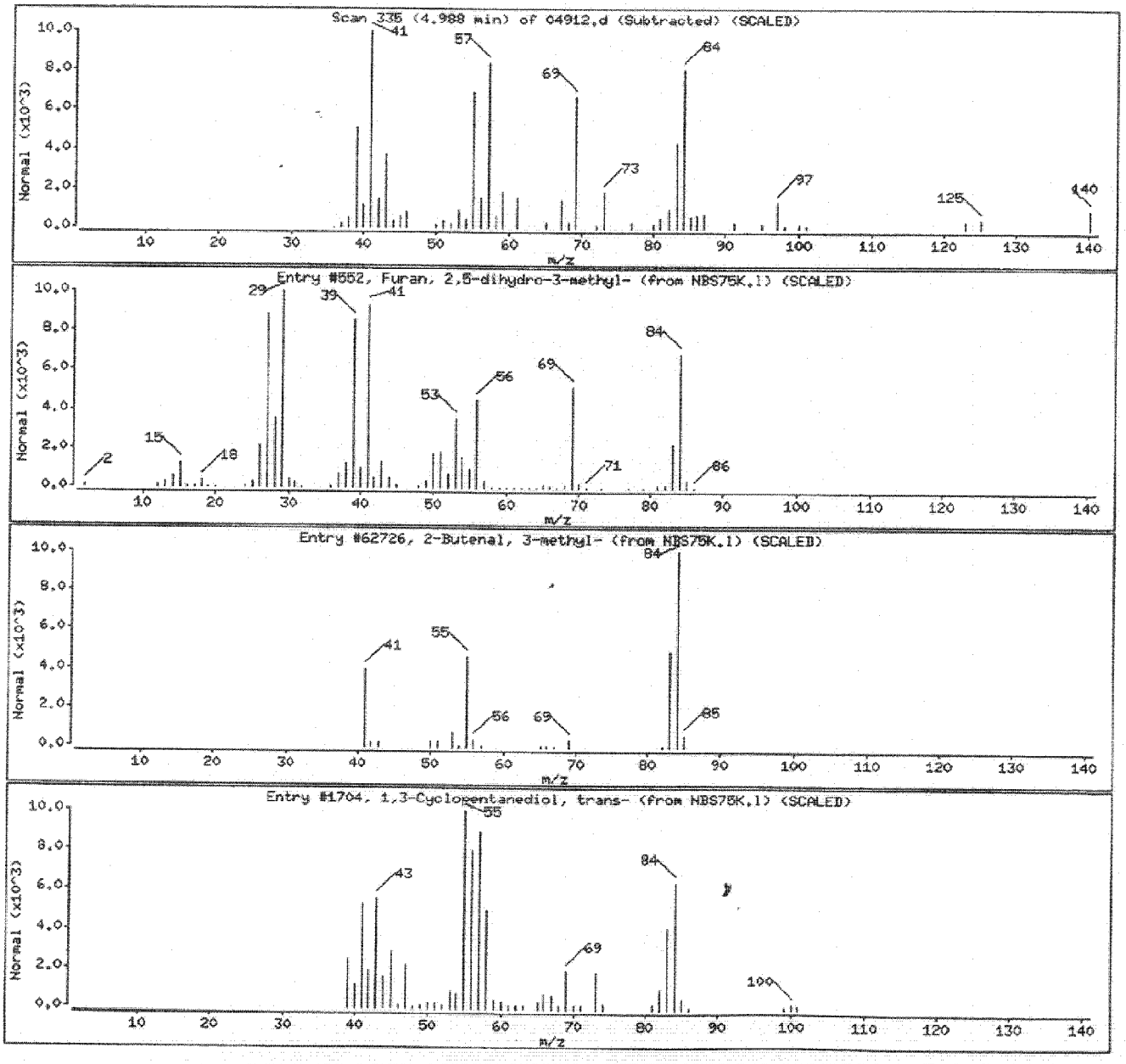
Client ID: E04-0120-67435 Instrument: 10mss1.i

Sample Info: 105333173

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Furan, 2,5-dihydro-3-methyl-	1708-31-2	NBS75K.l	552	47	C5H8O	84
2-Butenal, 3-methyl-	107-86-8	NBS75K.l	62726	43	C5H8O	84
1,3-Cyclopentanediol, trans-	16326-98-0	NBS75K.l	1704	40	C5H10O2	102



Data File: /var/chem/10mss1.i/021804.b/04912.d

Date : 18-FEB-2004 19:44

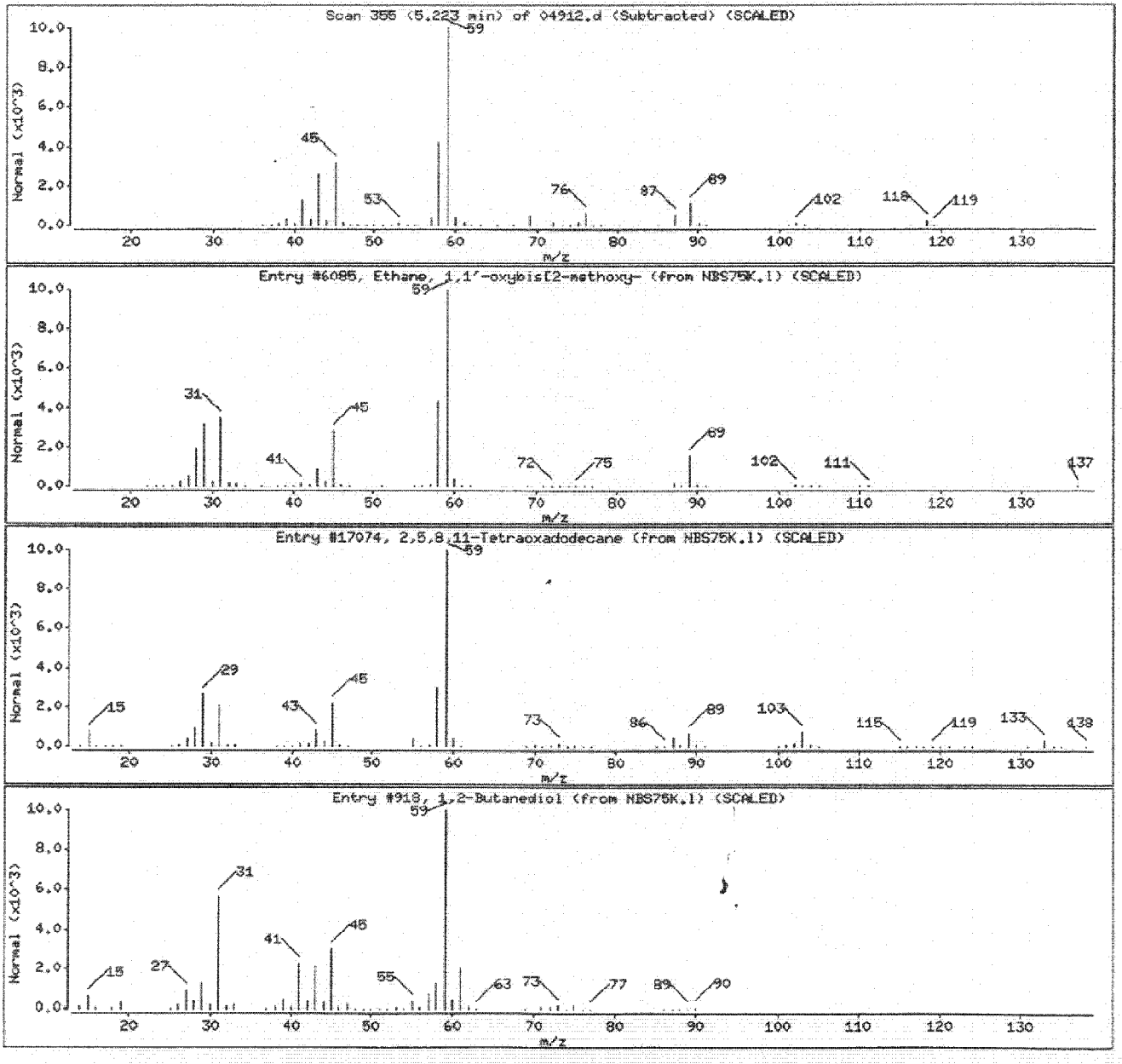
Client ID: E04-0120-67435 Instrument: 10mss1.i

Sample Info: 105333173

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethane, 1,1'-oxybis[2-methoxy-	111-96-6	NBS75K.l	6085	78	C6H1403	134
2,5,8,11-Tetraoxadodecane	112-49-2	NBS75K.l	17074	64	C8H1804	178
1,2-Butanediol	584-03-2	NBS75K.l	918	50	C4H1002	90



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Date : 18-FEB-2004 19:44

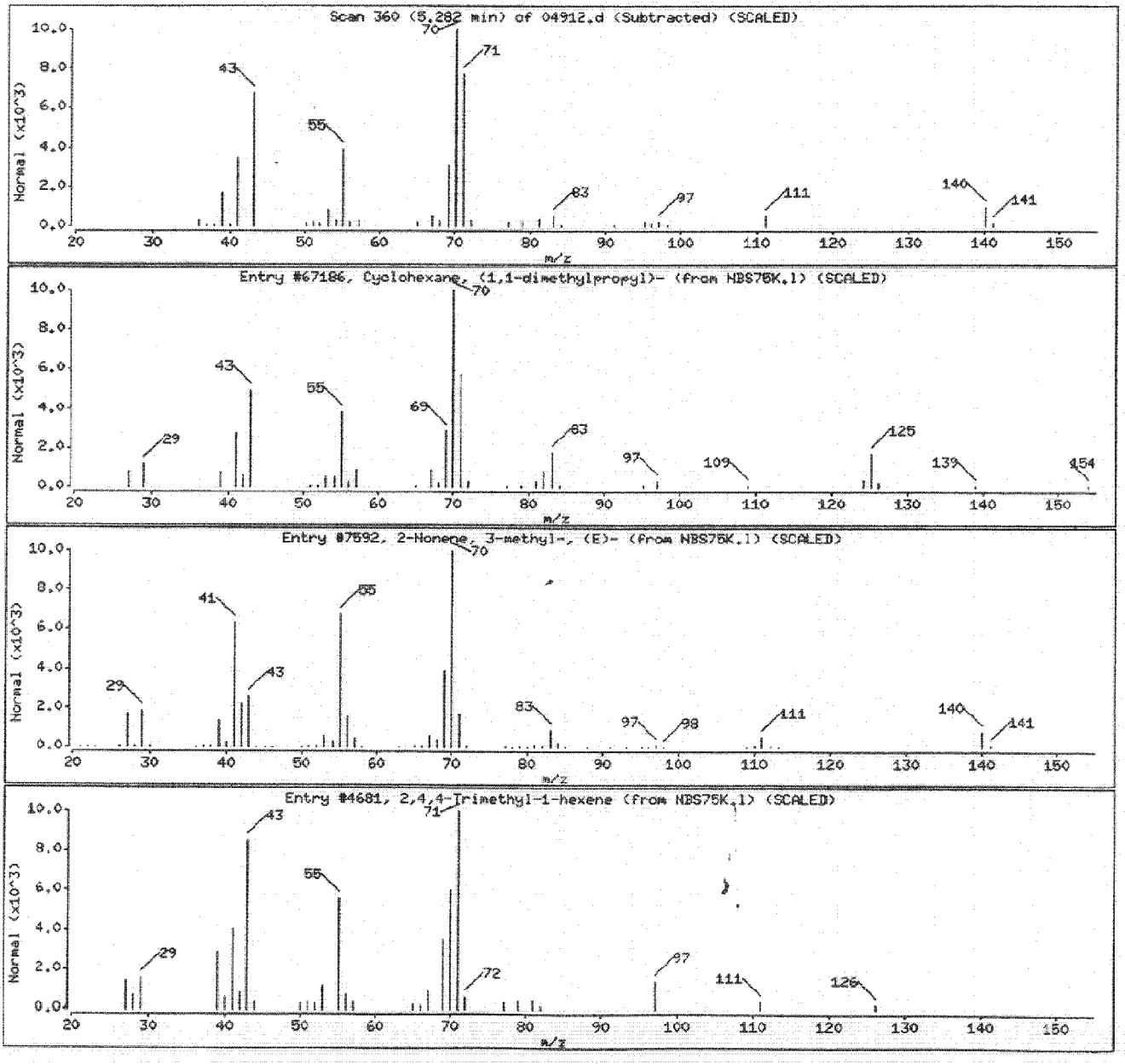
Client ID: E04-0120-67435 Instrument: 10mss1.i

Sample Info: 105333173

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5HS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclohexane, (1,1-dimethylpropyl)-	31797-64-5	NBS75K.l	67186	56	C11H22	154
2-Nonene, 3-methyl-, (E)-	17003-99-5	NBS75K.l	7592	30	C10H20	140
2,4,4-Trimethyl-1-hexene	51174-12-0	NBS75K.l	4681	28	C9H18	126



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Date : 18-FEB-2004 19:44

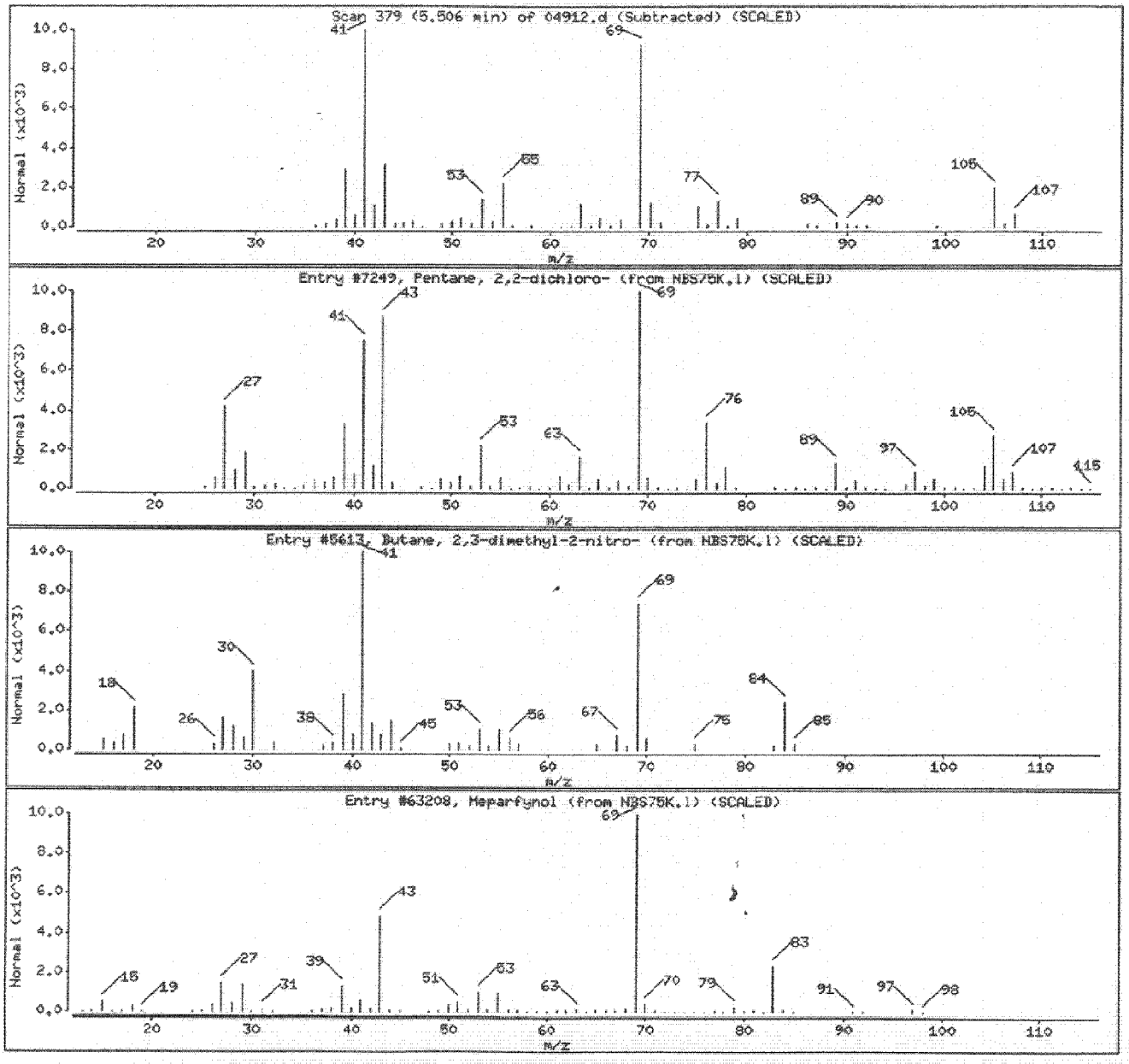
Client ID: E04-0120-67435 Instrument: 10mss1.i

Sample Info: 105333173

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Pentane, 2,2-dichloro-	34887-14-4	NBS75K.l	7249	38	C5H10Cl2	140
Butane, 2,3-dimethyl-2-nitro-	34075-28-0	NBS75K.l	5613	38	C6H13NO2	131
Heparfynol	77-75-8	NBS75K.l	63208	37	C6H10O	98



Data File: /var/chem/10mss1.i/021804.b/04912.d

Date : 18-FEB-2004 19:44

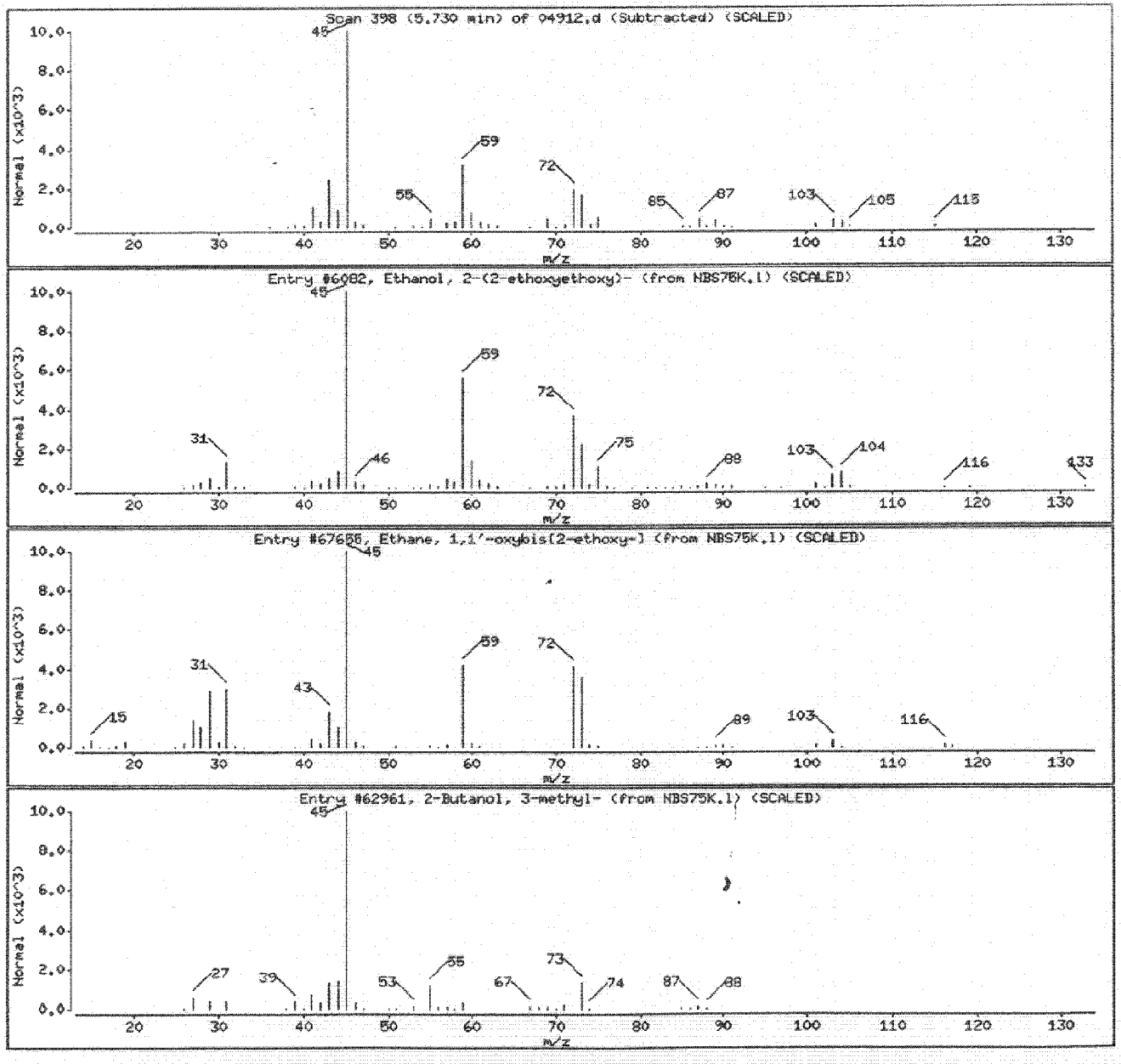
Client ID: E04-0120-67435 Instrument: 10mss1.i

Sample Info: 105333173

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethanol, 2-(2-ethoxyethoxy)-	111-90-0	NBS75K.l	6082	78	C6H1403	134
Ethane, 1,1'-oxybis[2-ethoxy-]	112-36-7	NBS75K.l	67655	72	C8H1803	162
2-Butanol, 3-methyl-	598-75-4	NBS75K.l	62961	50	C5H120	88



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Date : 18-FEB-2004 19:44

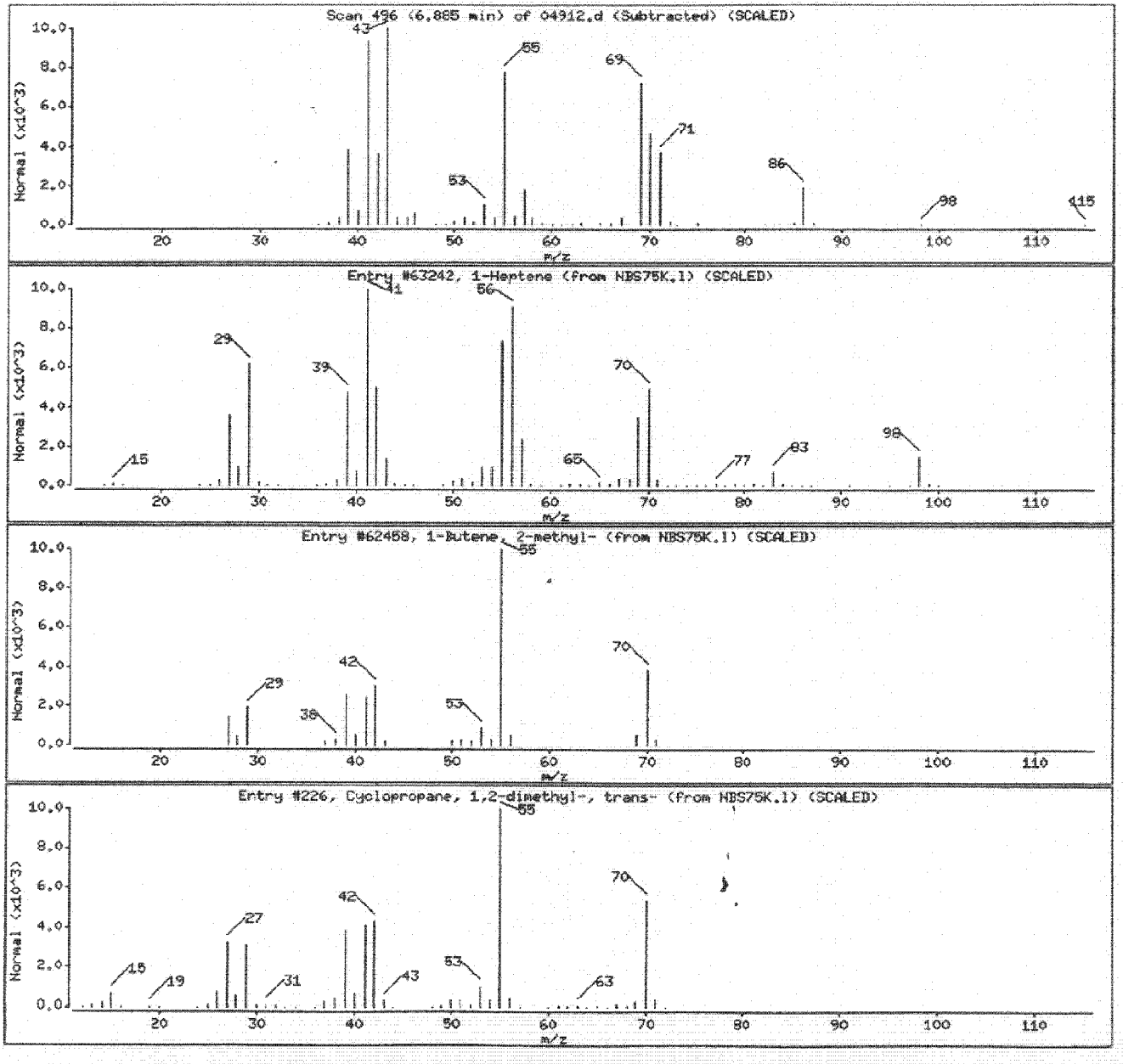
Client ID: E04-0120-67435 Instrument: 10mss1.i

Sample Info: 105333173

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1-Heptene	592-76-7	NBS75K.l	63242	59	C7H14	98
1-Butene, 2-methyl-	563-46-2	NBS75K.l	62468	58	C5H10	70
Cyclopropane, 1,2-dimethyl-, trans-	2402-06-4	NBS75K.l	226	58	C5H10	70



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Date : 18-FEB-2004 19:44

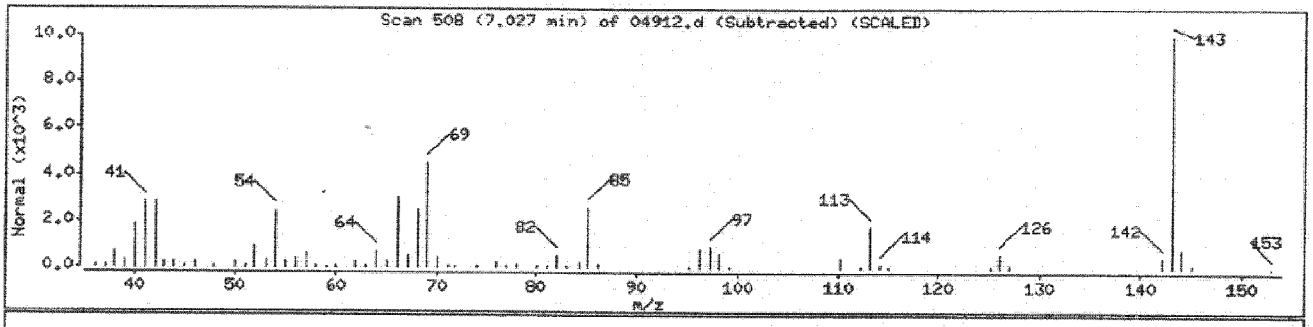
Client ID: E04-0120-67435 Instrument: 10mss1.i

Sample Info: 105333173

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: /var/chem/10mss1.i/021804.b/04912.d

Date : 18-FEB-2004 19:44

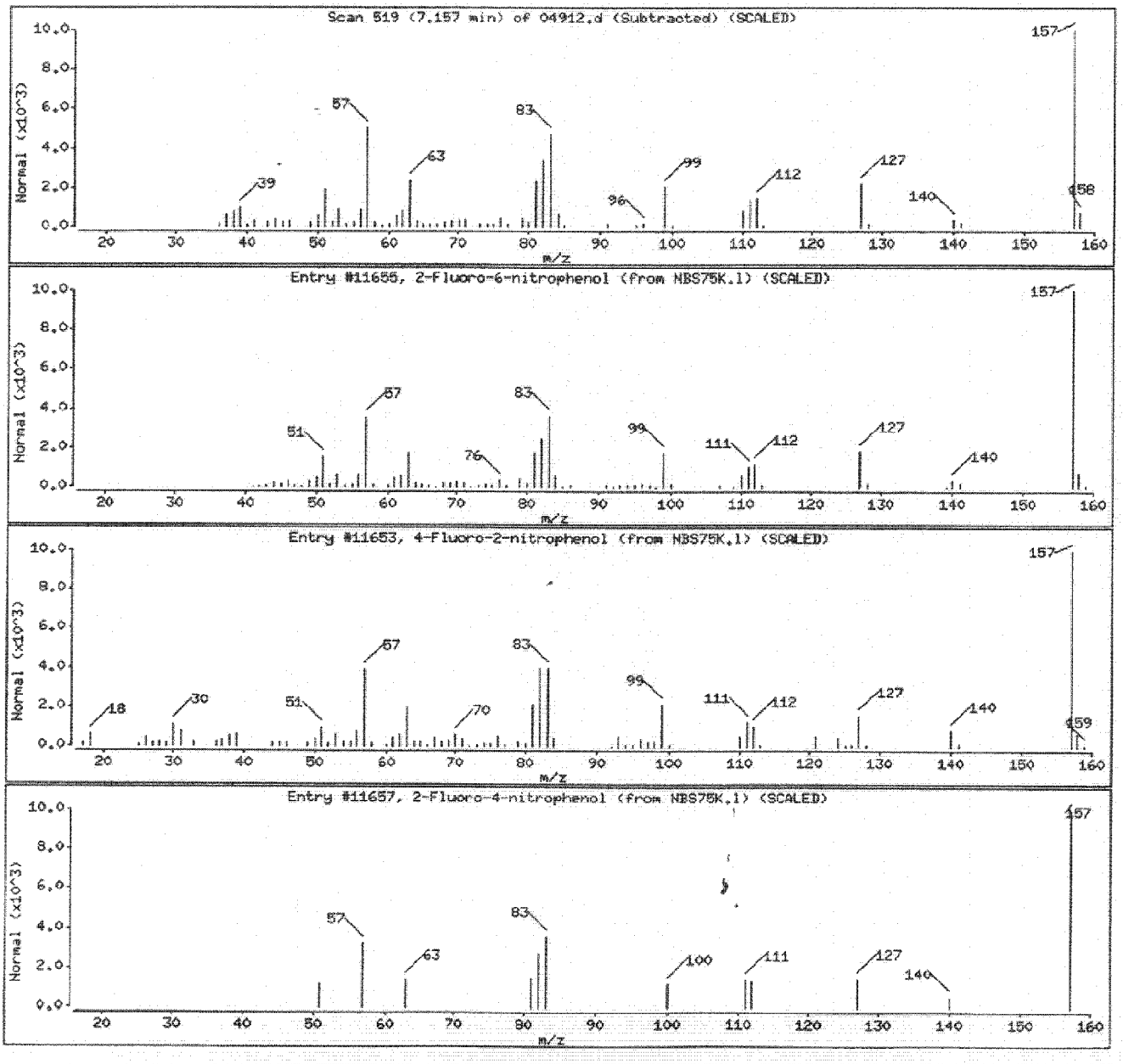
Client ID: E04-0120-67435 Instrument: 10mss1.i

Sample Info: 105333173

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Fluoro-6-nitrophenol	1526-17-6	NBS75K.l	11655	97	C6H4FNO3	157
4-Fluoro-2-nitrophenol	394-33-2	NBS75K.l	11653	87	C6H4FNO3	157
2-Fluoro-4-nitrophenol	403-19-0	NBS75K.l	11657	83	C6H4FNO3	157



Data File: /var/chem/10mss1.i/021804.b/04912.d

Date : 18-FEB-2004 19:44

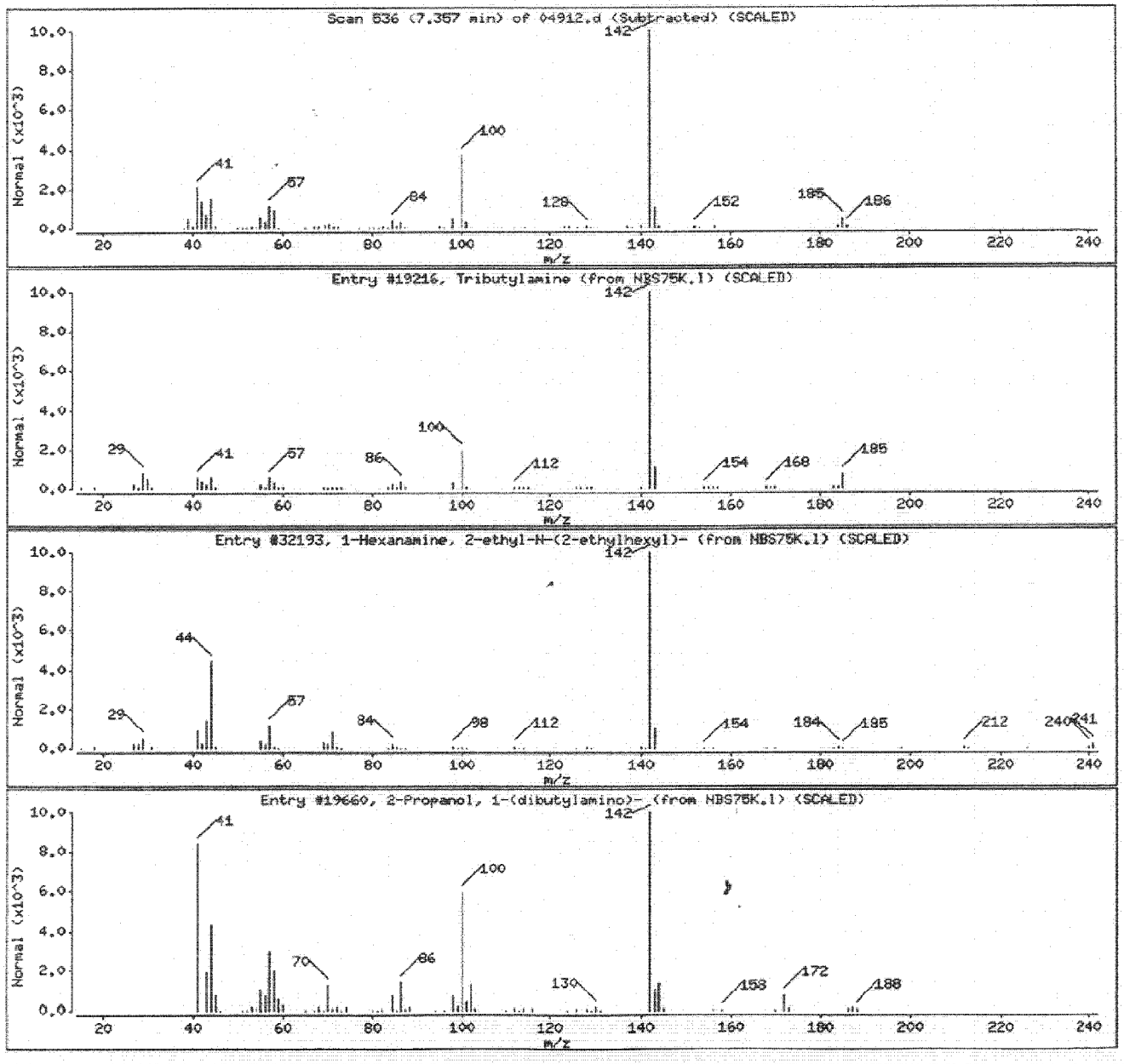
Client ID: E04-0120-67435 Instrument: 10mss1.i

Sample Info: 105333173

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tributylamine	102-82-9	NBS75K.l	19216	74	C12H27N	185
1-Hexanamine, 2-ethyl-N-(2-ethylhexyl)-	106-20-7	NBS75K.l	32193	50	C16H35N	241
2-Propanol, 1-(dibutylamino)-	2109-64-0	NBS75K.l	19660	50	C11H25NO	187



Data File: /var/chem/10mss1.i/021804.b/04912.d

Date : 18-FEB-2004 19:44

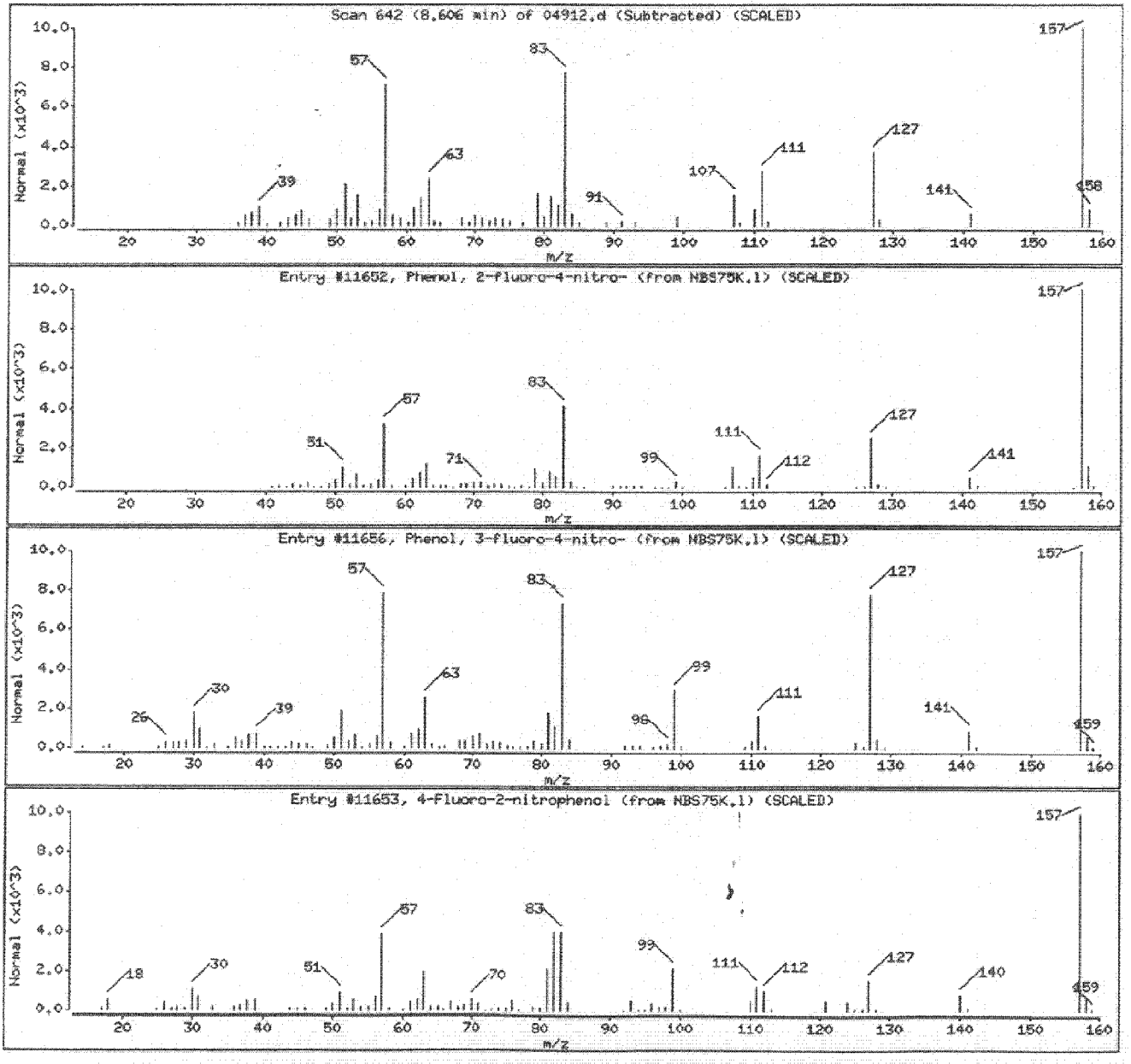
Client ID: E04-0120-67435 Instrument: 10mss1.i

Sample Info: 105333173

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

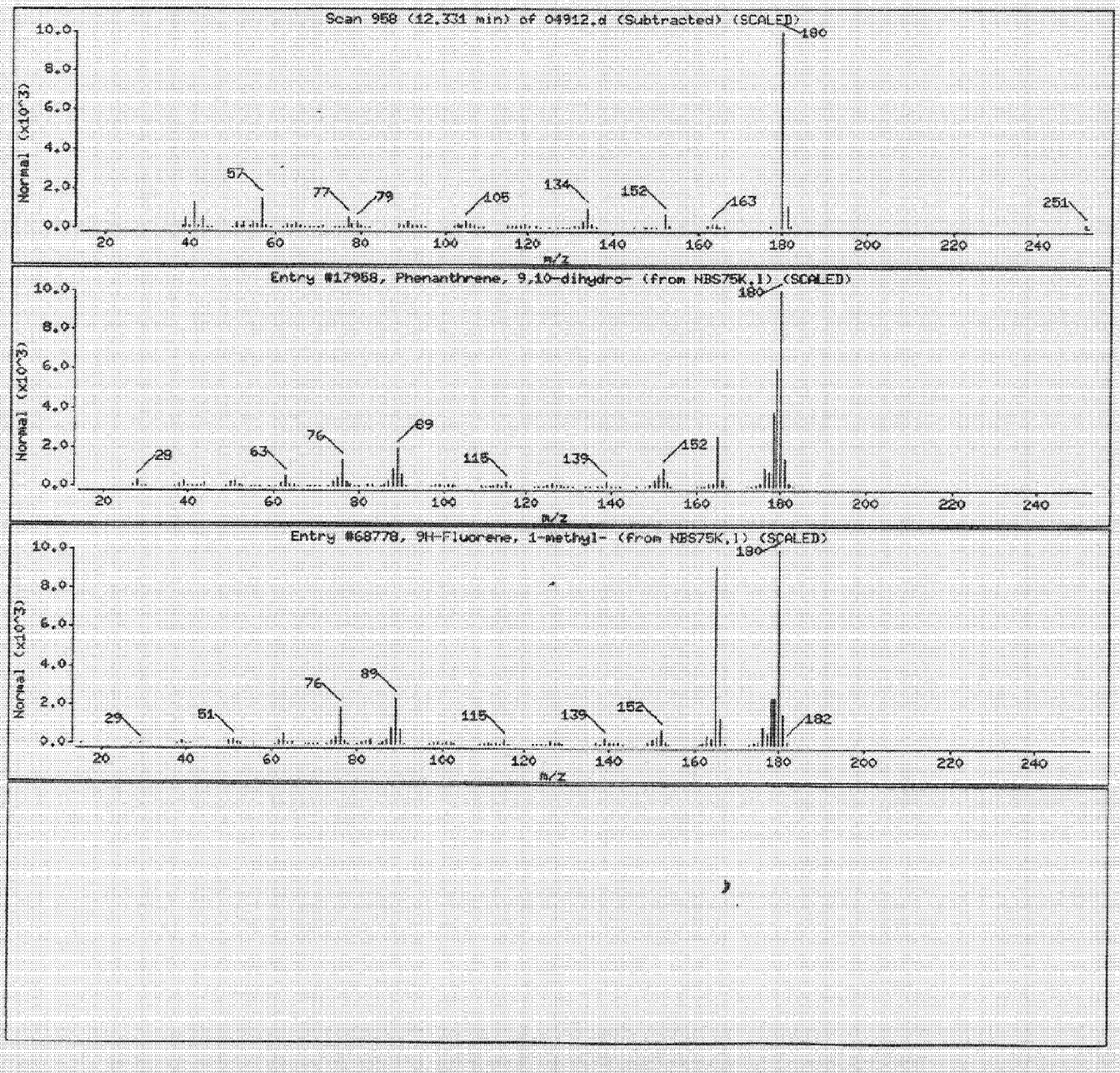
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Phenol, 2-fluoro-4-nitro-	0-00-0	NBS75K.l	11652	96	C6H4FNO3	157
Phenol, 3-fluoro-4-nitro-	394-41-2	NBS75K.l	11656	83	C6H4FNO3	157
4-Fluoro-2-nitrophenol	394-33-2	NBS75K.l	11653	25	C6H4FNO3	157



Volume injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Phenanthrene, 9,10-dihydro-	776-35-2	NBS75K.l	17958	45	C14H12	180
9H-Fluorene, 1-methyl-	1730-37-6	NBS75K.l	68778	38	C14H12	180



Data File: /var/chem/10mss1.i/021804.b/04912.d

Date : 18-FEB-2004 19:44

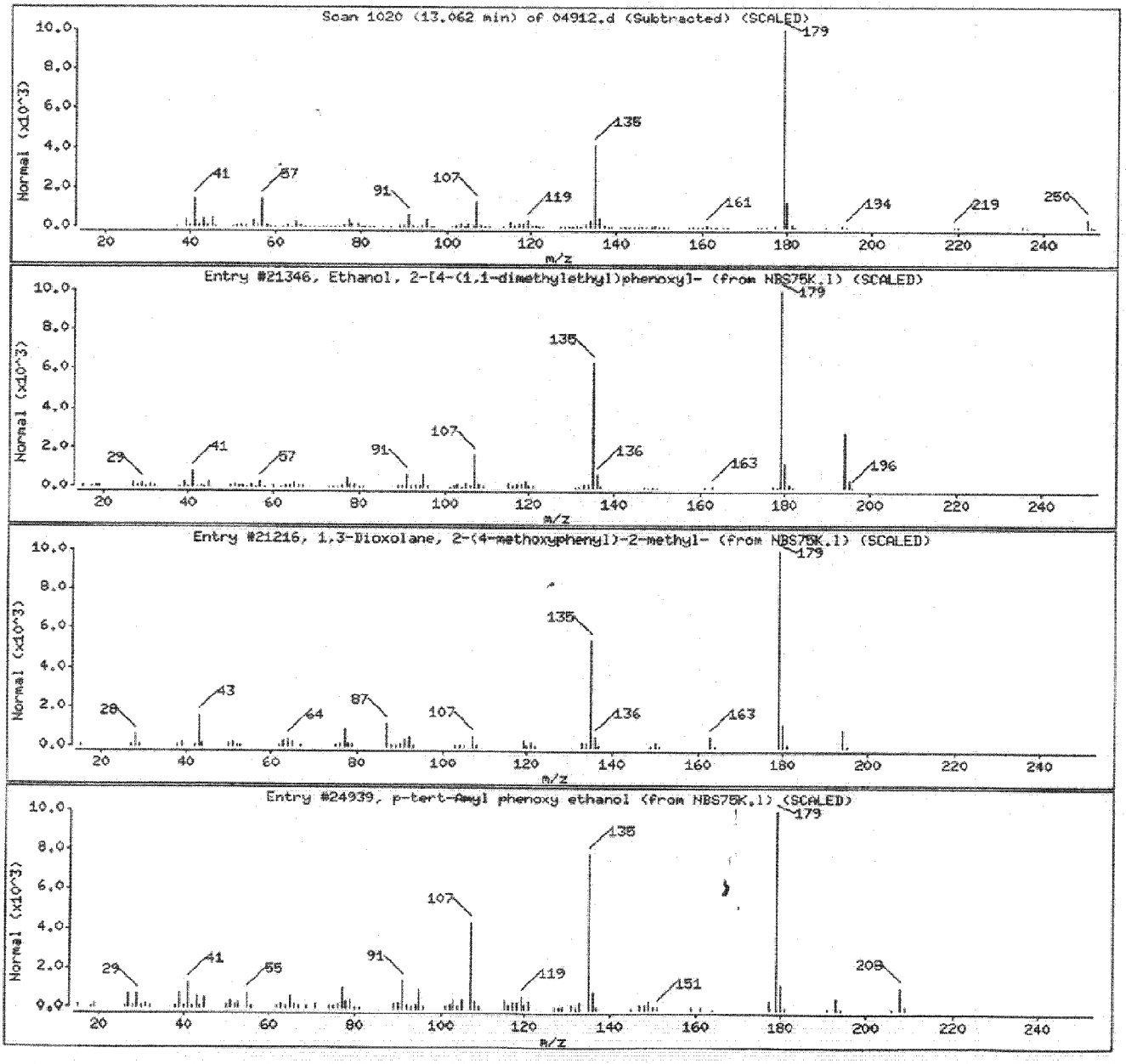
Client ID: E04-0120-67435 Instrument: 10mss1.i

Sample Info: 105333173

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethanol, 2-[4-(1,1-dimethylethyl)phenoxy	713-46-2	NBS75K.l	21346	52	C12H18O2	194
1,3-Dioxolane, 2-(4-methoxyphenyl)-2-met	0-00-0	NBS75K.l	21216	50	C11H14O3	194
p-tert-Amyl phenoxy ethanol	6382-07-6	NBS75K.l	24939	10	C13H20O2	208

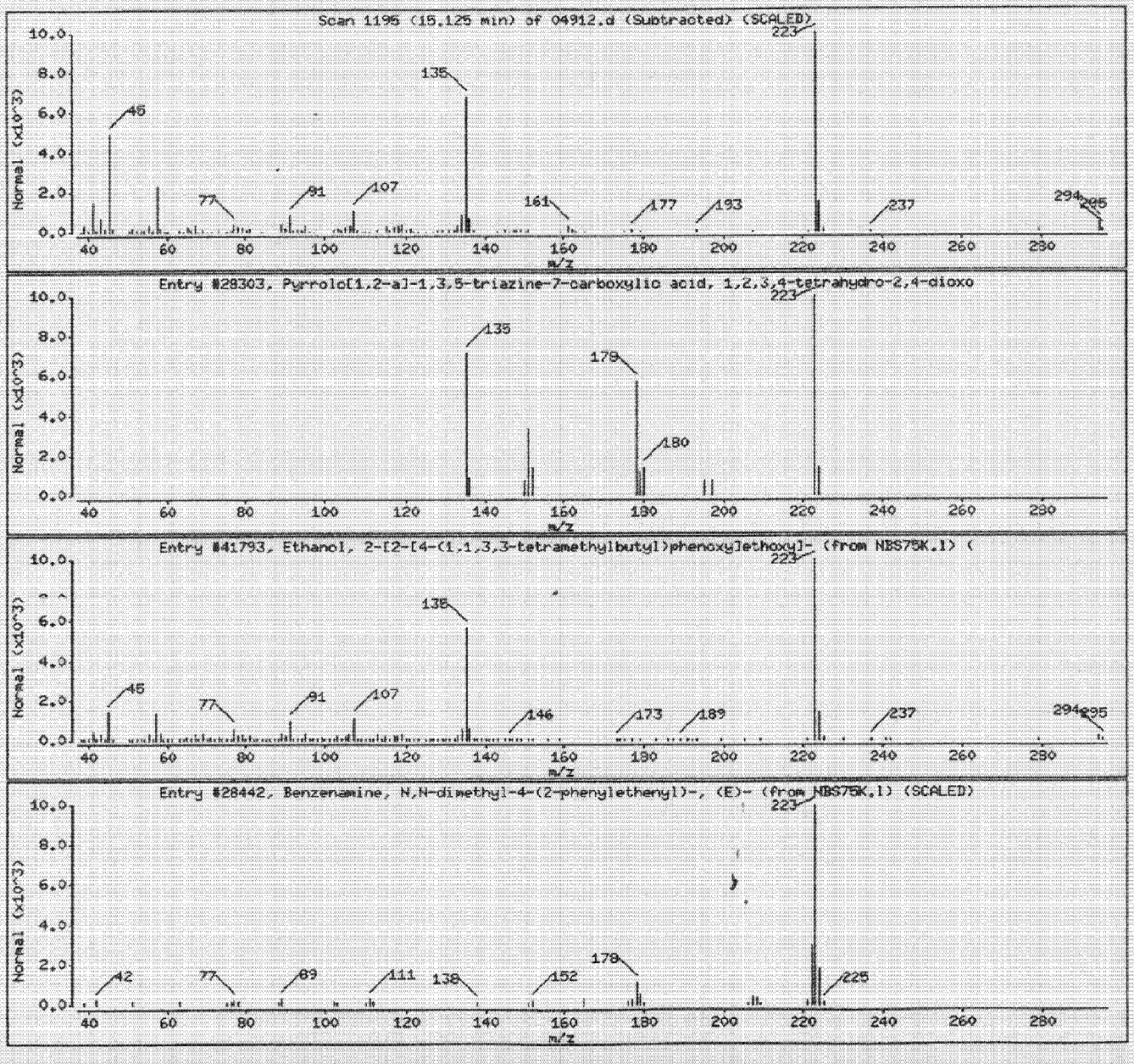


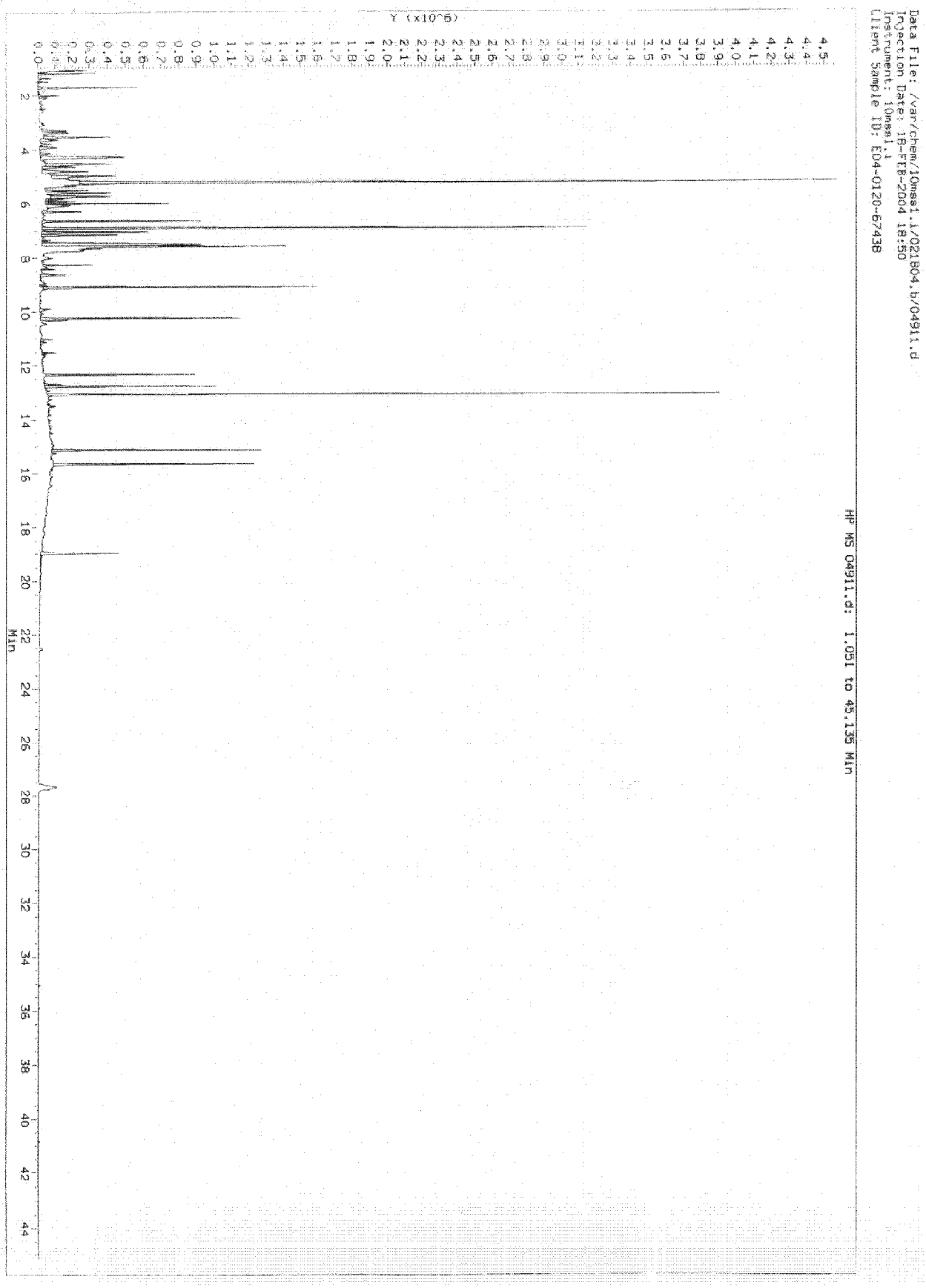
Sample Info: 105333173

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Pyrrolo[1,2-a]-1,3,5-triazine-7-carboxyl	54449-89-7	NBS75K.l	28303	90	C9H9N3O4	223
Ethanol, 2-[2-[4-(1,1,3,3-tetramethylbut	2315-61-9	NBS75K.l	41793	80	C18H30O3	294
Benzenamine, N,N-dimethyl-4-(2-phenyleth	838-95-9	NBS75K.l	28442	25	C16H17N	223




Data File: /var/chem/10mss1.i/021804.b/0491s.d
Injection Date: 18-FEB-2004 18:50
Instrument: 10mss1.i
Client Sample ID: E04-0120-6743B
Y (x10^6)
Min
HP MS 0491s.d: 1.051 to 45.135 Min

Data File: /var/chem/10mss1.i/021804.b/04911.d
Report Date: 23-Feb-2004 12:21

Pace Analytical Services, Inc.

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: 3M ENV
Lab Smp Id: 105333165
Operator : KSK
Sample Location:
Sample Matrix: WATER
Analysis Type: SV

Client SDG: 021804
Client Smp ID: E04-0120-67438
Sample Date: 12-FEB-2004
Sample Point:
Date Received: 13-FEB-2004 00:00
Level: LOW

Number TICs found: 14

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	115-22-0	3-Hydroxy-3-methyl-2-butano	1.711	1.66	NJ
2.	584-03-2	1,2-Butanediol	3.538	2.26	NJ
3.	565-75-3	Pentane, 2,3,4-trimethyl-	4.292	4.48	NJ
4.	922-64-5	Propanedinitrile, methylene	4.516	3.12	NJ
5.		Unknown	4.787	2.09	J
6.	107-86-8	2-Butenal, 3-methyl-	4.988	2.71	NJ
7.	111-96-6	Ethane, 1,1'-oxybis[2-metho	5.223	23.3	NJ
8.	111-90-0	Ethanol, 2-(2-ethoxyethoxy)	5.730	2.12	NJ
9.	110-98-5	2-Propanol, 1,1'-oxybis-	6.084	1.24	NJ
10.	629-06-1	Heptane, 1-chloro-	6.897	14.0	NJ
11.	1526-17-6	2-Fluoro-6-nitrophenol	7.156	1.92	NJ
12.	1730-37-6	9H-Fluorene, 1-methyl-	12.331	31.6	NJ
13.	0-00-0	1,3-Dioxolane, 2-(4-methoxy	13.062	156	NJ
14.	2315-61-9	Ethanol, 2-[2-[4-(1,1,3,3-t	15.125	51.8	NJ

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Data File: /var/chem/10mss1.i/021804.b/04911.d
Report Date: 23-Feb-2004 12:21

Pace Analytical Services, Inc.

BASE, NEUTRAL, ACID QUANT AND RATIO REPORT

Data file : /var/chem/10mss1.i/021804.b/04911.d
Lab Smp Id: 105333165 Client Smp ID: E04-0120-67438
Inj Date : 18-FEB-2004 18:50
Operator : KSK Inst ID: 10mss1.i
Smp Info : 105333165
Misc Info :
Comment : RCRA 8270C - SEMIVOLATILES
Method : /var/chem/10mss1.i/021804.b/SV07-043.m
Meth Date : 23-Feb-2004 11:14 kking Quant Type: ISTD
Cal Date : 12-FEB-2004 20:45 Cal File: 04307.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 625.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

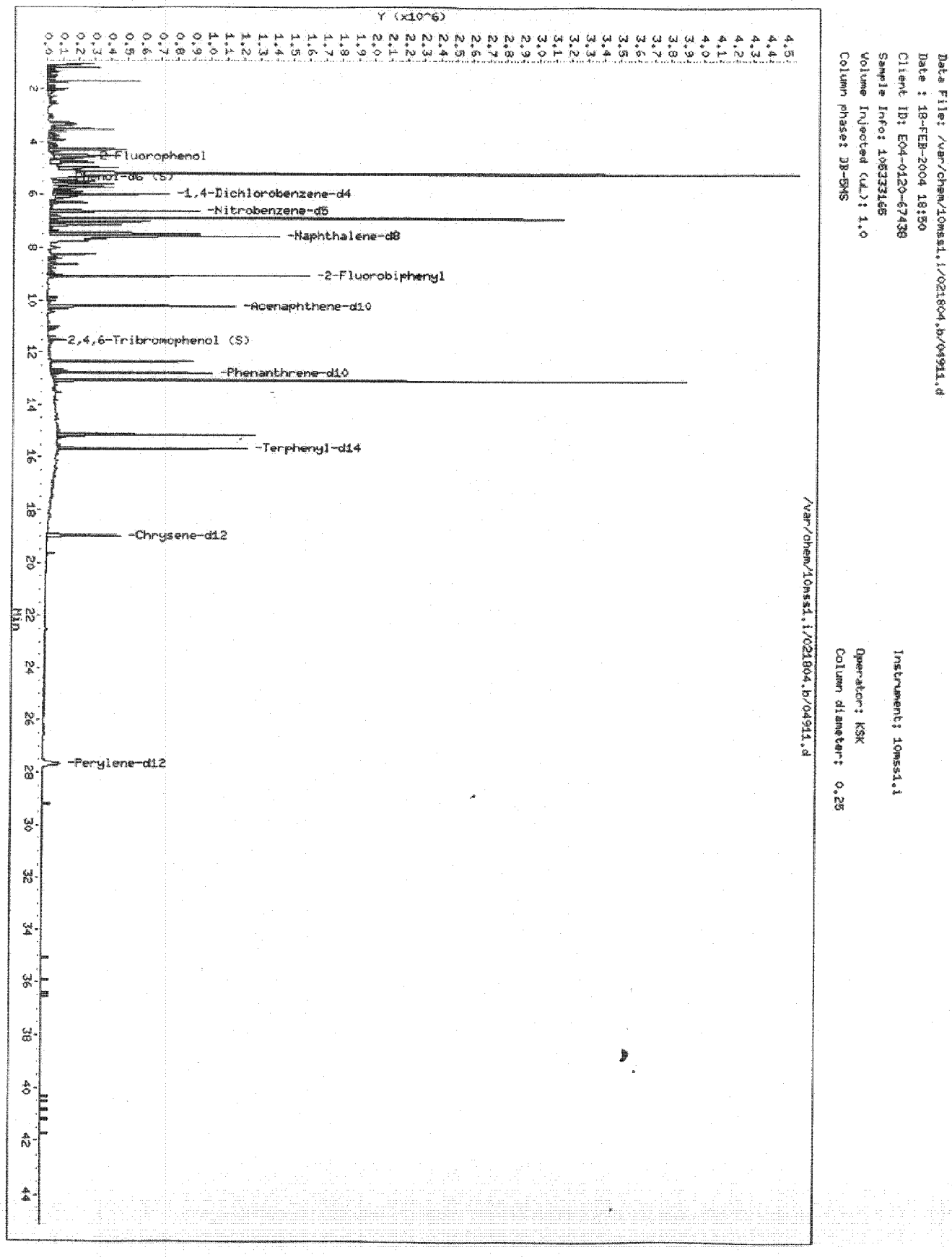
Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 9 1,4-Dichlorobenzene-d4	6.001	1427557	3.000
* 62 Phenanthrene-d10	12.767	1878283	40.000

	CONCENTRATIONS			QUANT			
RT	AREA	ON-COL(NG)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
3-Hydroxy-3-methyl-2-butanone				CAS #: 115-22-0			
1.711	789011	1.65810010	1.66	78	NBS75K.1	63477	9
1,2-Butanediol				CAS #: 584-03-2			
3.538	1077556	2.26447446	2.26	39	NBS75K.1	62989	9

Data File: /var/chem/10mss1.i/021804.b/04911.d
Report Date: 23-Feb-2004 12:21

RT	AREA	CONCENTRATIONS ON-COL(NG)	FINAL(ug/L)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Pentane, 2,3,4-trimethyl-				CAS #: 565-75-3			
4.292	2134302	4.48521780	4.48	37	NBS75K.1	3100	9
Propanedinitrile, methylene-				CAS #: 922-64-5			
4.516	1482959	3.11642546	3.12	42	NBS75K.1	62625	9
Unknown				CAS #:			
4.787	992965	2.08670752	2.09	0		0	9
2-Butenal, 3-methyl-				CAS #: 107-86-8			
4.988	1291502	2.71408094	2.71	38	NBS75K.1	62726	9
Ethane, 1,1'-oxybis[2-methoxy-				CAS #: 111-96-6			
5.223	11068497	23.2603577	23.3	64	NBS75K.1	6085	9
Ethanol, 2-(2-ethoxyethoxy)-				CAS #: 111-90-0			
5.730	1009113	2.12064243	2.12	78	NBS75K.1	6082	9
2-Propanol, 1,1'-oxybis-				CAS #: 110-98-5			
6.084	592710	1.24557445	1.24	56	NBS75K.1	6087	9
Heptane, 1-chloro-				CAS #: 629-06-1			
6.897	6643355	13.9609570	14.0	40	NBS75K.1	65488	9
2-Fluoro-6-nitrophenol				CAS #: 1526-17-6			
7.156	912364	1.91732599	1.92	97	NBS75K.1	11655	9
9H-Fluorene, 1-methyl-				CAS #: 1730-37-6			
12.331	1482394	31.5691177	31.6	38	NBS75K.1	68778	62
1,3-Dioxolane, 2-(4-methoxyphenyl)-2-met				CAS #: 0-00-0			
13.062	7308169	155.635023	156	64	NBS75K.1	21216	62
Ethanol, 2-[2-[4-(1,1,3,3-tetramethylbut				CAS #: 2315-61-9			
15.125	2432689	51.8066195	51.8	91	NBS75K.1	41793	62



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Data File: /var/chem/10mss1.i/021804.b/04911.d

Date : 18-FEB-2004 18:50

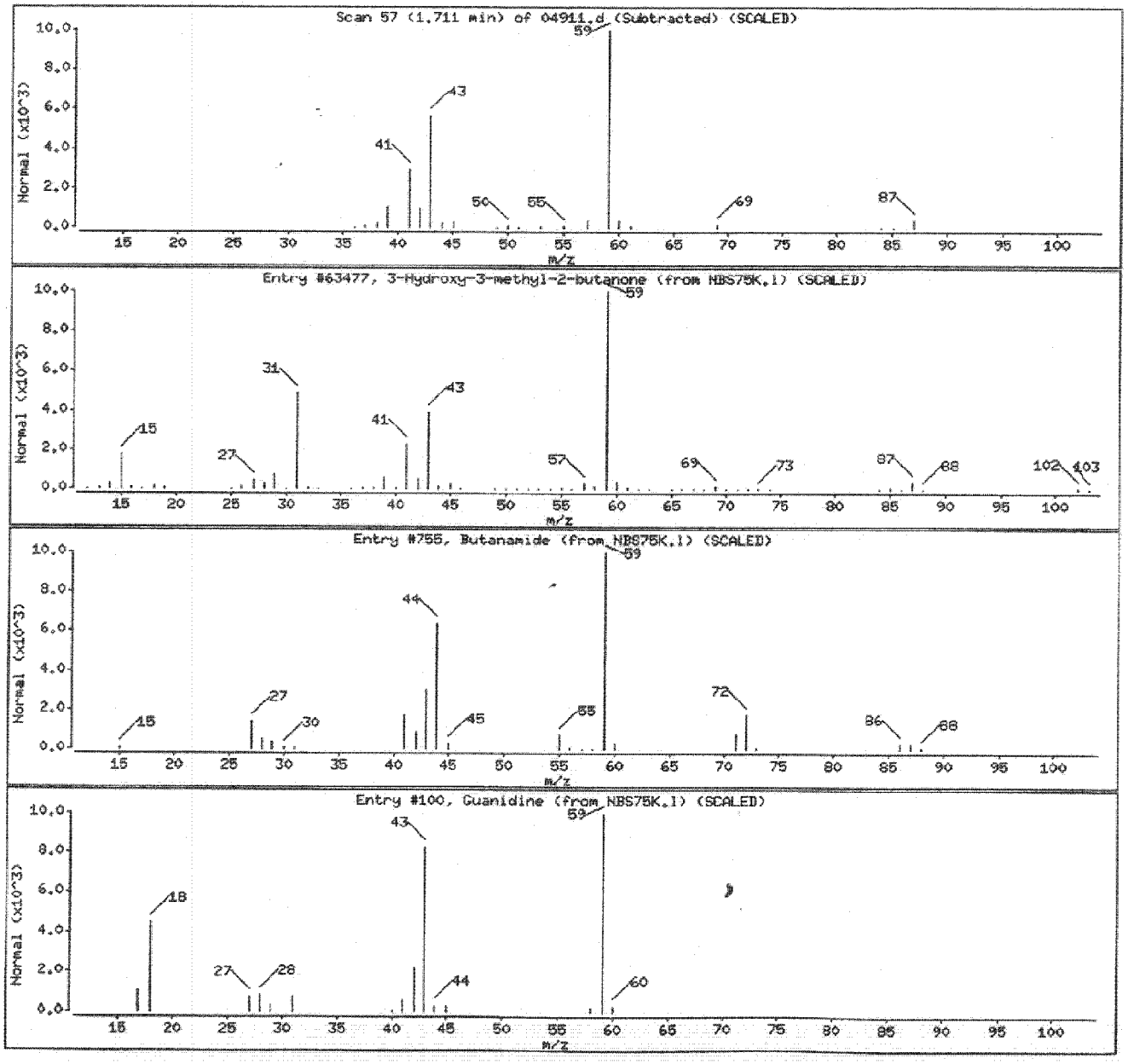
Client ID: E04-0120-67438 Instrument: 10mss1.i

Sample Info: 105333165

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Hydroxy-3-methyl-2-butanone	115-22-0	NBS75K.l	63477	78	C5H10O2	102
Butanamide	541-35-5	NBS75K.l	755	50	C4H9NO	87
Guanidine	113-00-8	NBS75K.l	100	45	CH5N3	59



Data File: /var/chem/10mss1.i/021804.b/04911.d

Date : 18-FEB-2004 18:50

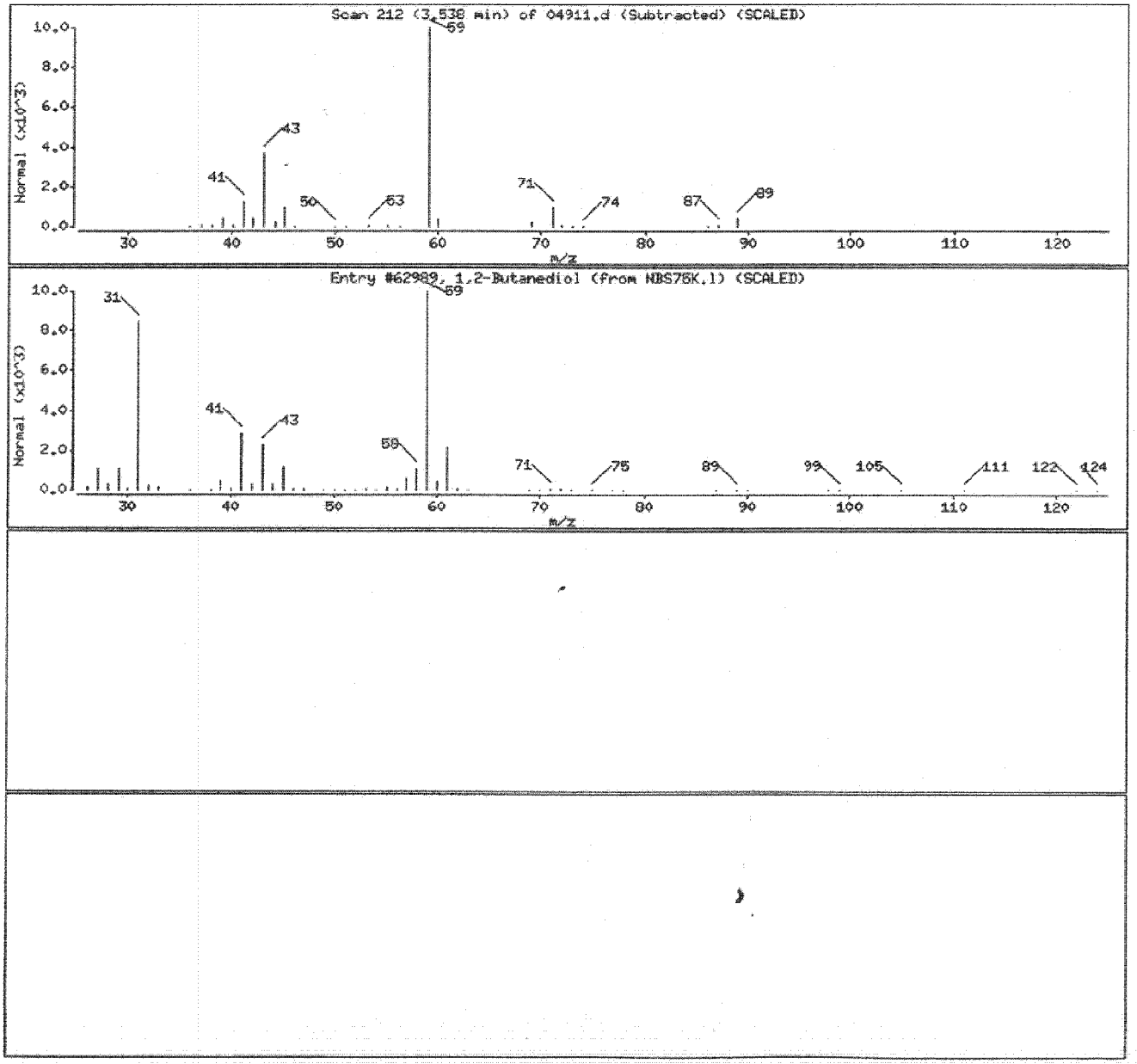
Client ID: E04-0120-67438 Instrument: 10mss1.i

Sample Info: 105333165

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,2-Butanediol	584-03-2	NBS75K.l	62989	39	C4H10O2	90



Data File: /var/chem/10mss1.i/021904.b/04911.d

Date : 18-FEB-2004 18:50

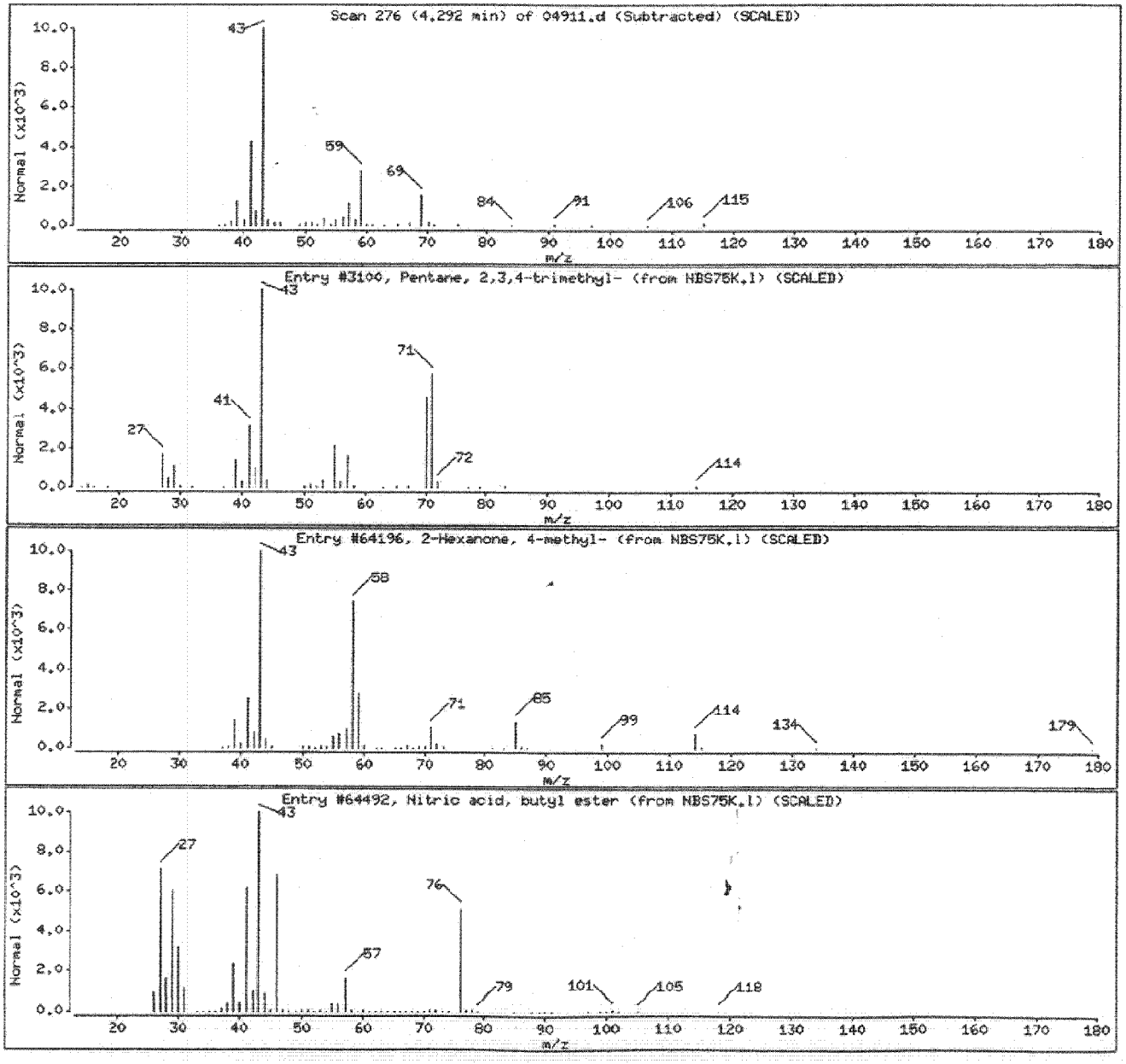
Client ID: E04-0120-67438 Instrument: 10mss1.i

Sample Info: 105333165

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Pentane, 2,3,4-trimethyl-	565-75-3	NBS75K.l	3100	37	C8H18	114
2-Hexanone, 4-methyl-	108-42-0	NBS75K.l	64196	36	C7H14O	114
Nitric acid, butyl ester	928-45-0	NBS75K.l	64492	12	C4H9NO3	119



Data File: /var/chem/10mss1.i/021804.b/04911.d

Date : 18-FEB-2004 18:50

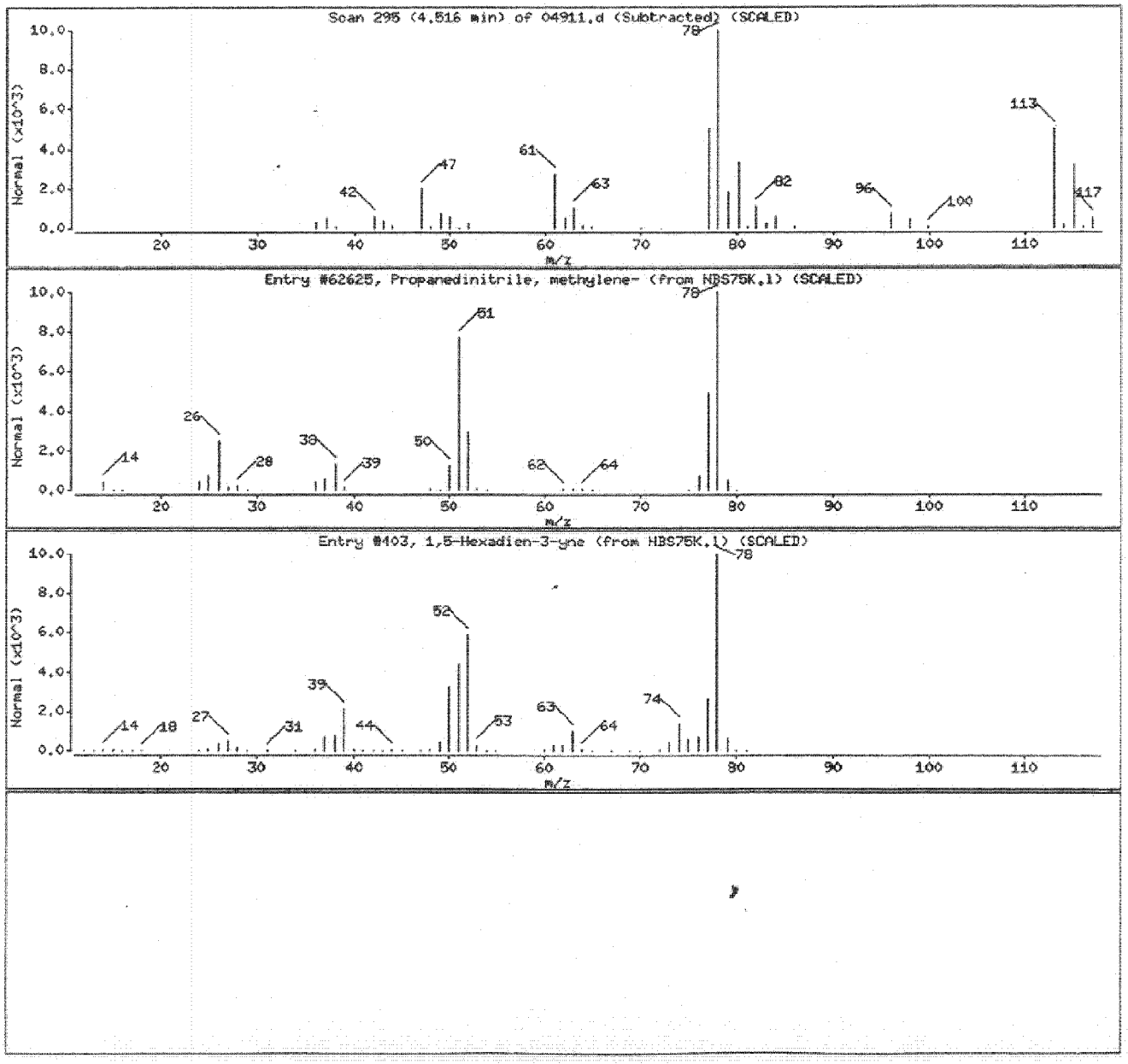
Client ID: E04-0120-67438 Instrument: 10mss1.i

Sample Info: 105333165

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Propanedinitrile, methylene-	922-64-5	NBS75K.l	62625	42	C4H2N2	78
1,5-Hexadien-3-yne	821-08-9	NBS75K.l	403	33	C6H6	78



Date : 18-FEB-2004 18:50

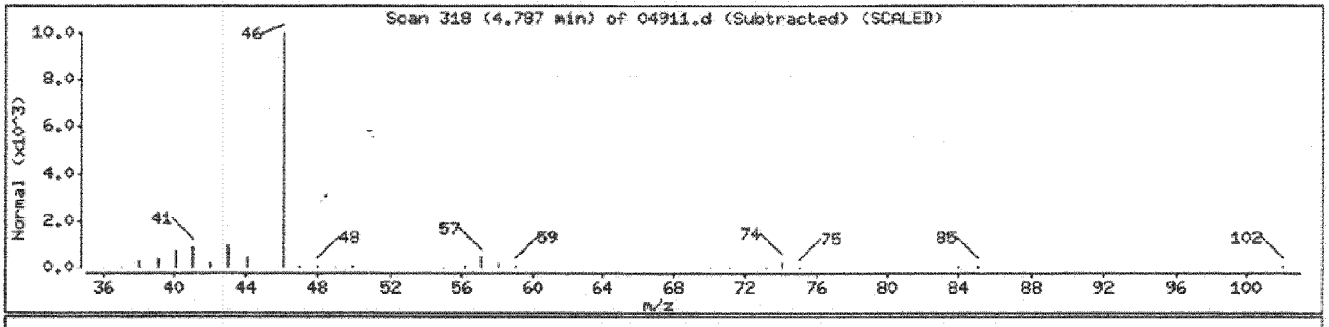
Client ID: E04-0120-67438 Instrument: 10mss1.i

Sample Info: 105333165

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: /var/chem/10mss1.i/021804.b/04911.d

Date : 18-FEB-2004 18:50

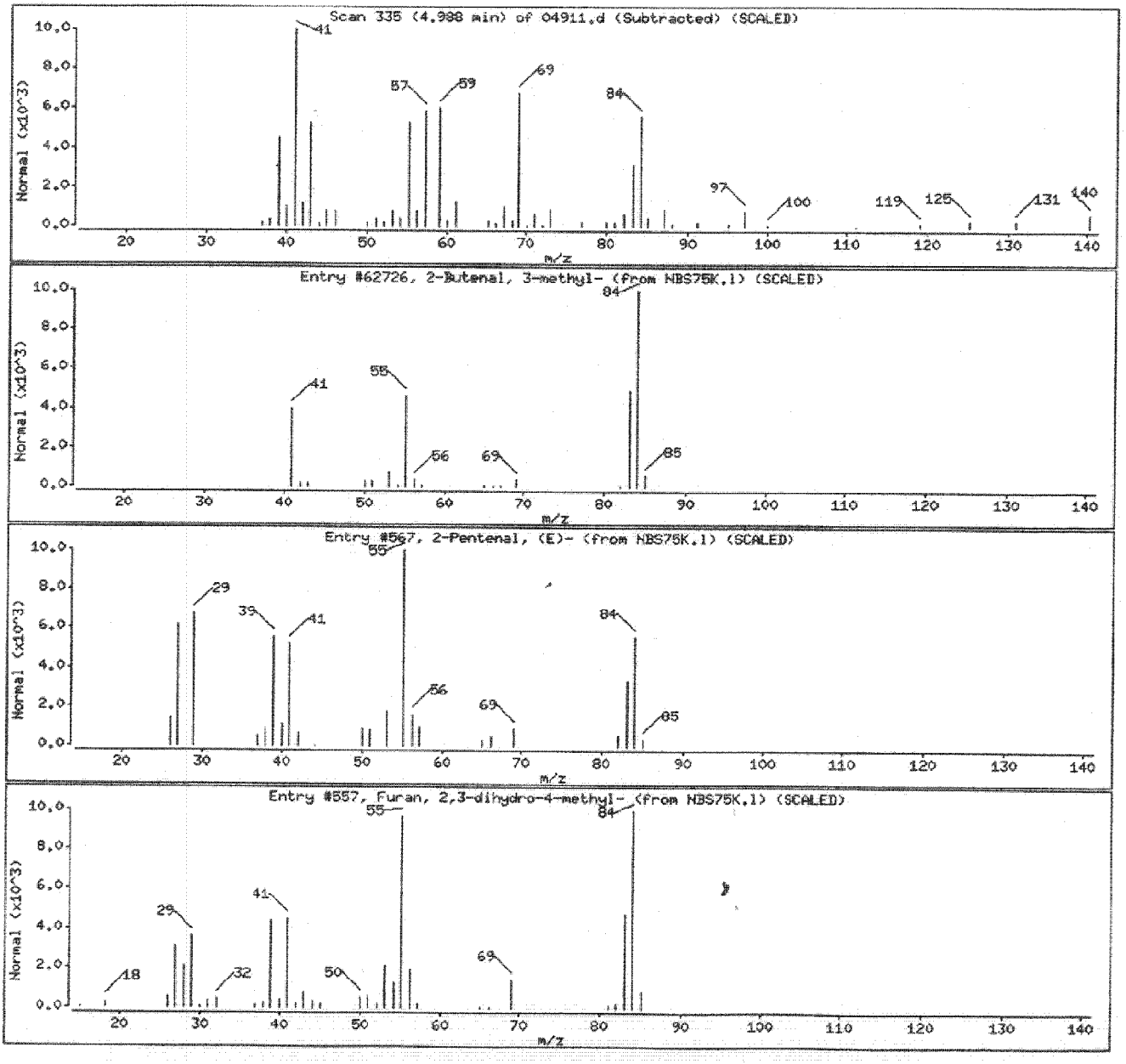
Client ID: E04-0120-67438 Instrument: 10mss1.i

Sample Info: 105333165

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Butenal, 3-methyl-	107-86-8	NBS75K.1	62726	38	C5H8O	84
2-Pentenal, (E)-	1576-87-0	NBS75K.1	567	22	C5H8O	84
Furan, 2,3-dihydro-4-methyl-	34314-83-5	NBS75K.1	557	18	C5H8O	84



Data File: /var/chem/10mss1.i/021804.b/04911.d

Date : 18-FEB-2004 18:50

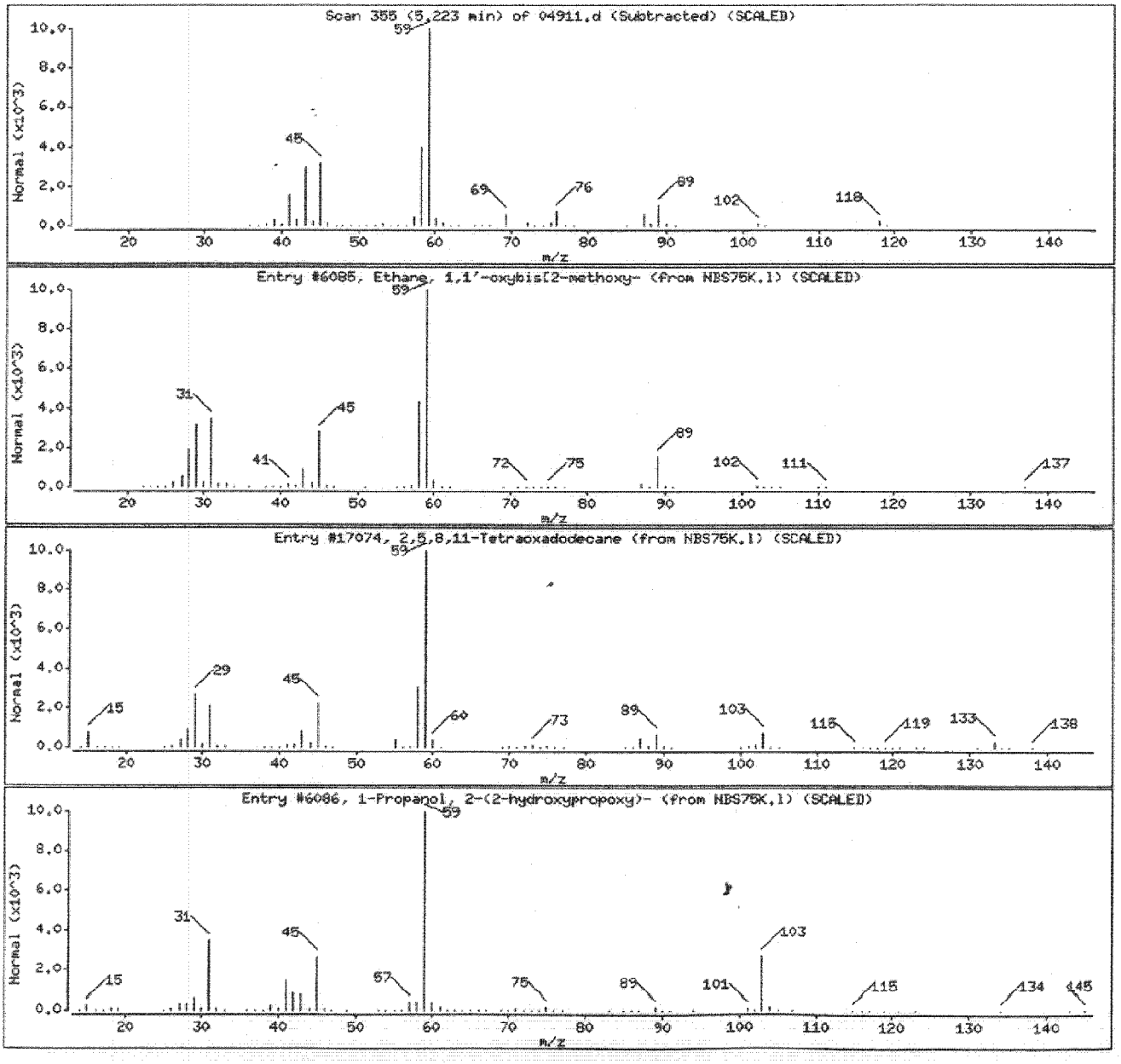
Client ID: E04-0120-67438 Instrument: 10mss1.i

Sample Info: 105333165

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethane, 1,1'-oxybis[2-methoxy-	111-96-6	NBS75K.l	6085	64	C6H1403	134
2,5,8,11-Tetraoxadodecane	112-49-2	NBS75K.l	17074	64	C8H1804	178
1-Propanol, 2-(2-hydroxypropoxy)-	106-62-7	NBS75K.l	6086	50	C6H1403	134



Data File: /var/chem/10mss1.i/021804.b/04911.d

Date : 18-FEB-2004 18:50

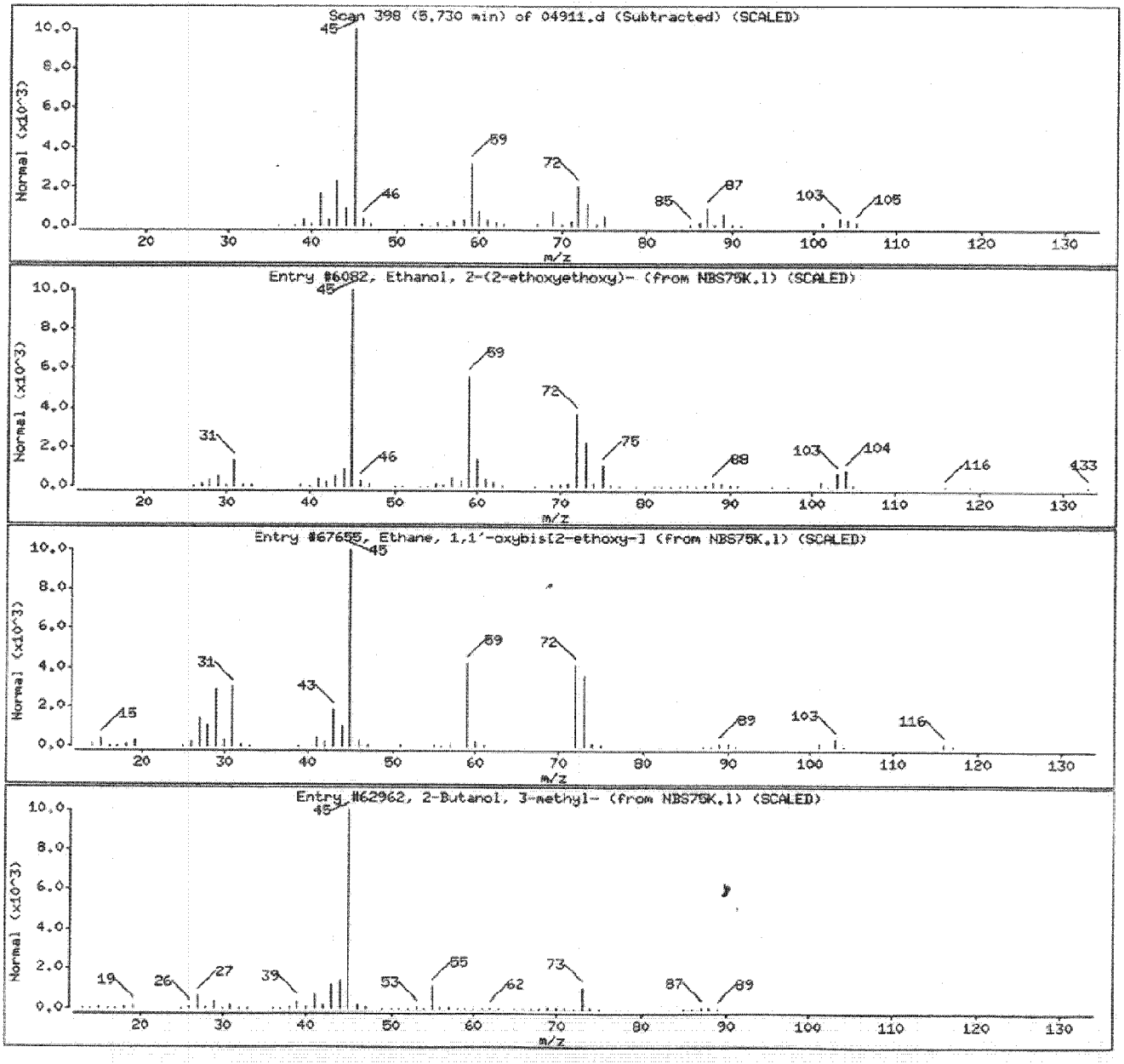
Client ID: E04-0120-67438 Instrument: 10mss1.i

Sample Info: 105333165

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethanol, 2-(2-ethoxyethoxy)-	111-90-0	NBS75K.l	6082	78	C6H1403	134
Ethane, 1,1'-oxybis[2-ethoxy-]	112-36-7	NBS75K.l	67655	72	C8H1803	162
2-Butanol, 3-methyl-	598-75-4	NBS75K.l	62962	47	C5H120	88



Data File: /var/chem/10mss1.i/021804.b/04911.d

Date : 18-FEB-2004 18:50

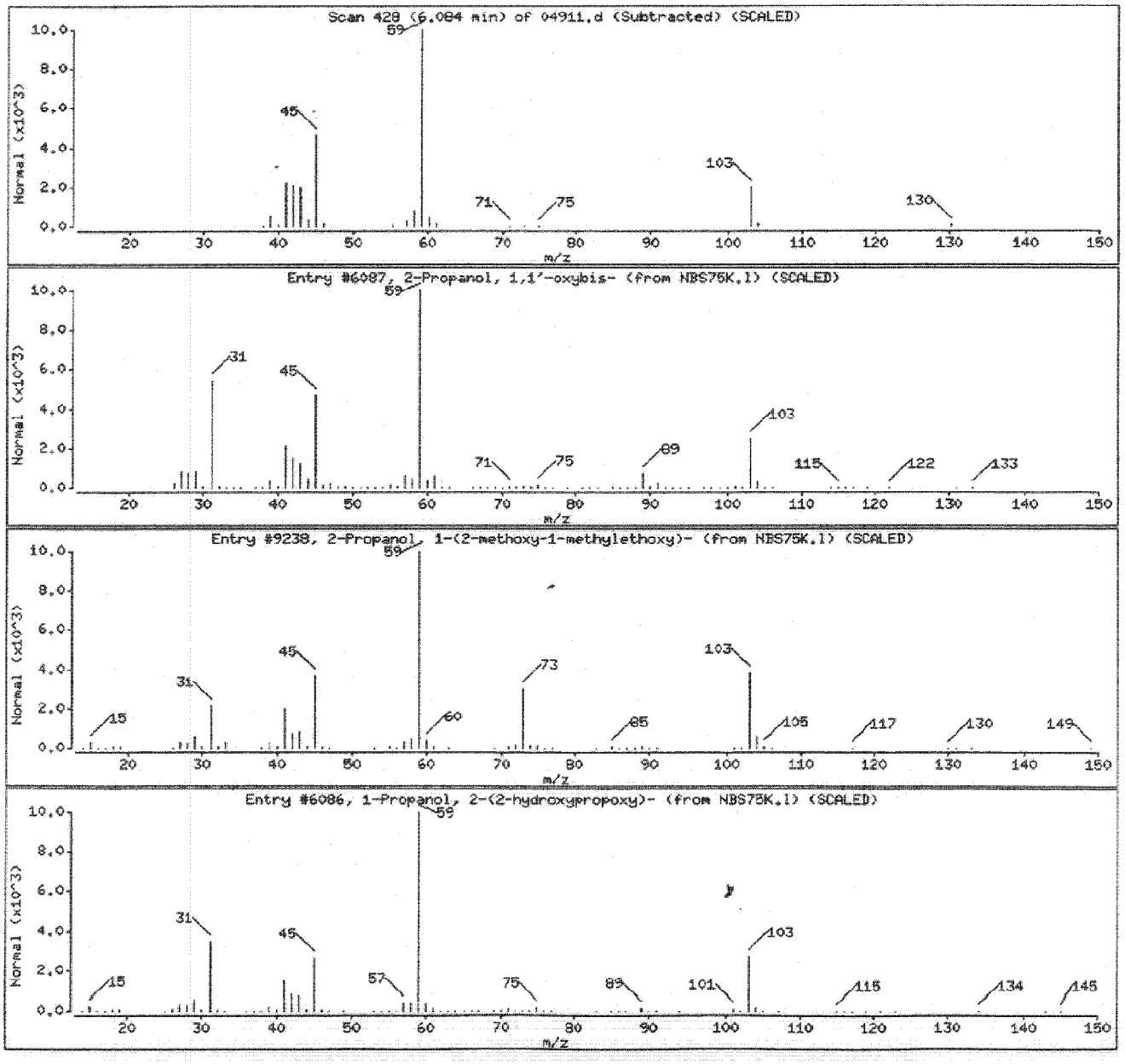
Client ID: E04-0120-67438 Instrument: 10mss1.i

Sample Info: 105333165

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5HS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Propanol, 1,1'-oxybis-	110-98-5	NBS75K.l	6087	56	C6H1403	134
2-Propanol, 1-(2-methoxy-1-methylethoxy)	20324-32-7	NBS75K.l	9238	56	C7H1603	148
1-Propanol, 2-(2-hydroxypropoxy)-	106-62-7	NBS75K.l	6086	45	C6H1403	134



Data File: /var/chem/10mss1.i/021804.b/04911.d

Date : 18-FEB-2004 18:50

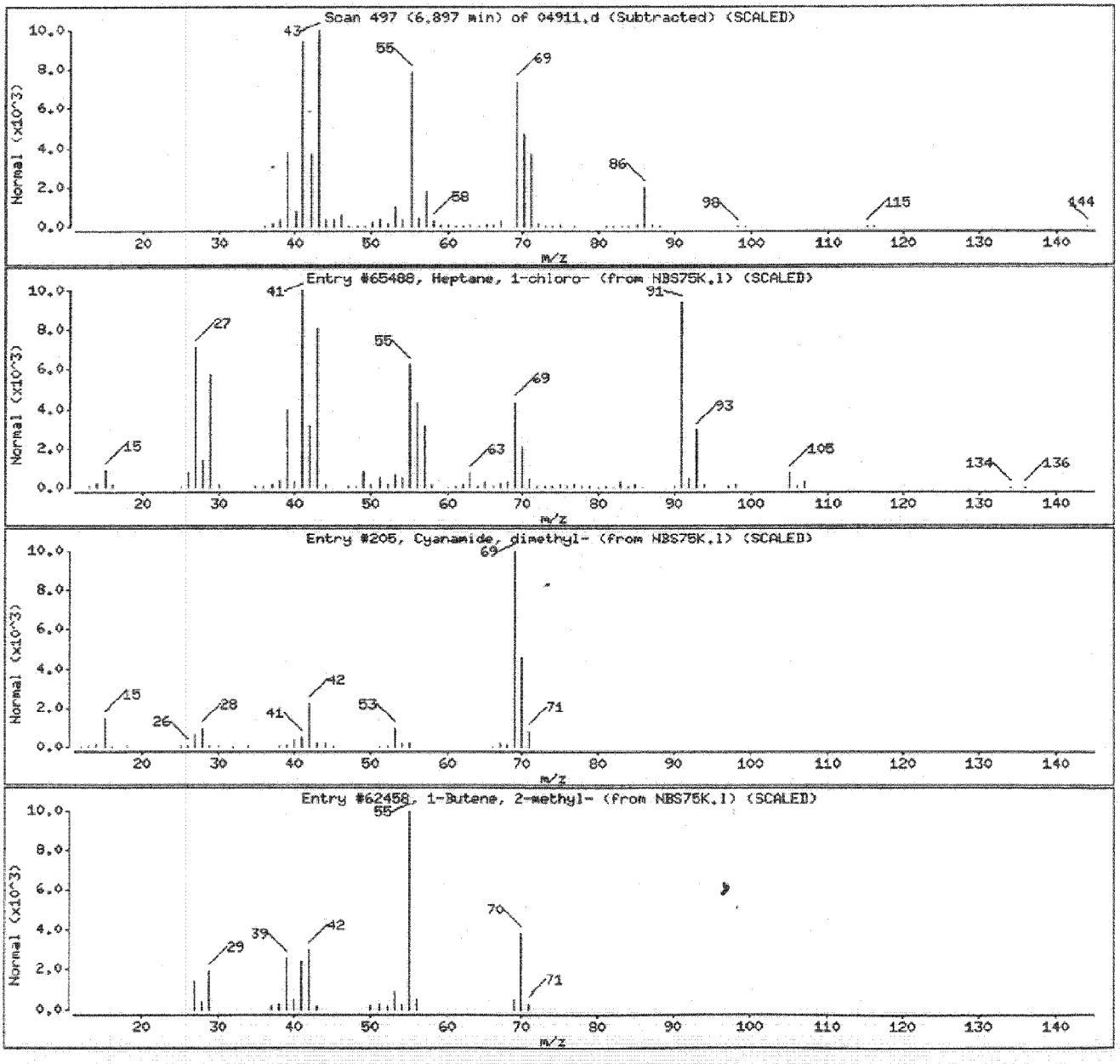
Client ID: E04-0120-67438 Instrument: 10mss1.i

Sample Info: 105333165

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Heptane, 1-chloro-	629-06-1	NBS75K.l	65488	40	C7H15Cl	134
Cyanamide, dimethyl-	1467-79-4	NBS75K.l	205	38	C3H6N2	70
1-Butene, 2-methyl-	563-46-2	NBS75K.l	62458	30	C5H10	70



Data File: /var/chem/10mss1.i/021804.b/04911.d

Date : 18-FEB-2004 18:50

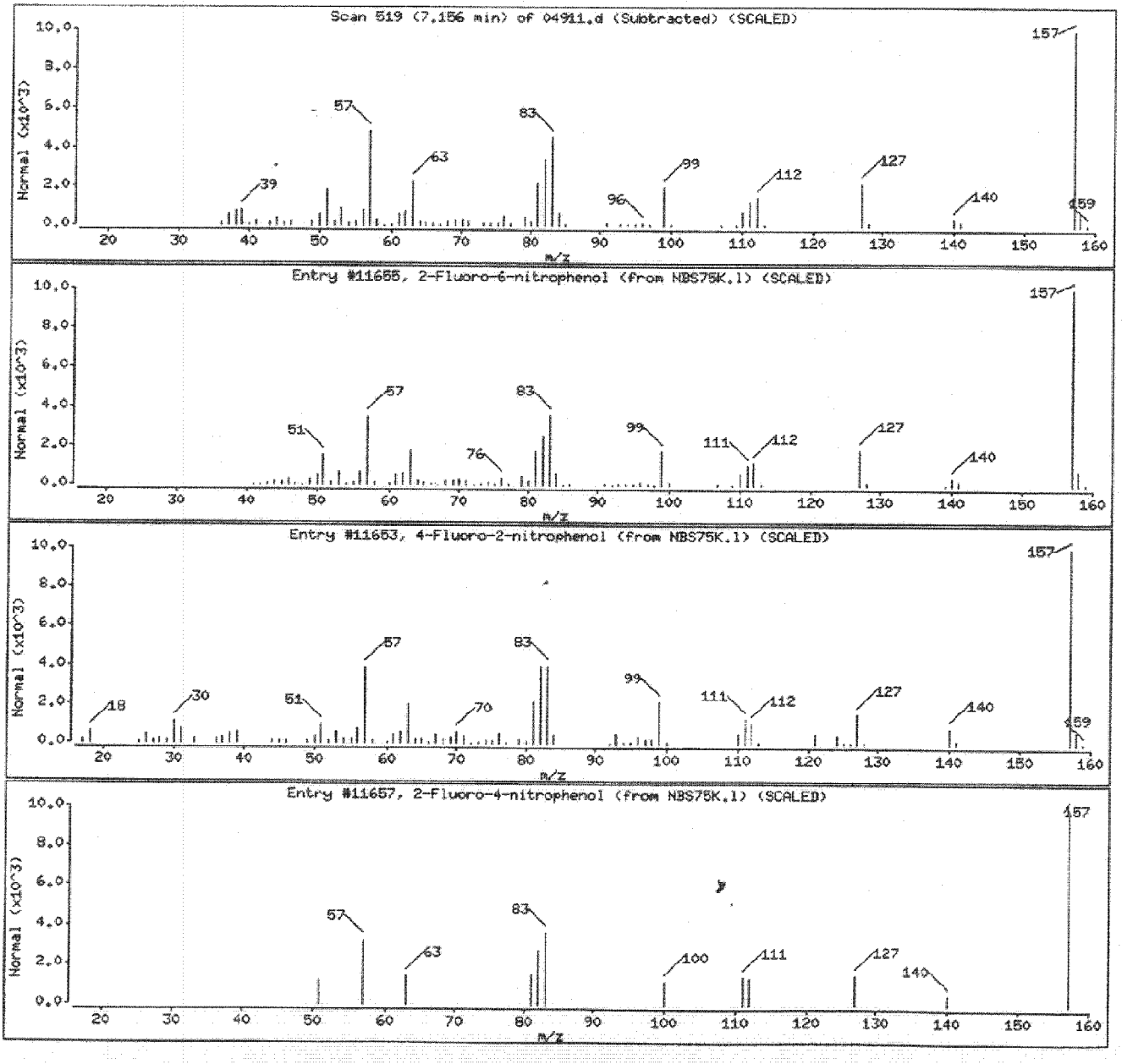
Client ID: E04-0120-67438 Instrument: 10mss1.i

Sample Info: 105333165

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Fluoro-6-nitrophenol	1526-17-6	NBS75K.l	11655	97	C6H4FNO3	157
4-Fluoro-2-nitrophenol	394-33-2	NBS75K.l	11653	90	C6H4FNO3	157
2-Fluoro-4-nitrophenol	403-19-0	NBS75K.l	11657	83	C6H4FNO3	157



Data File: /var/chem/10mss1.i/021804.b/04911.d

Date : 18-FEB-2004 18:50

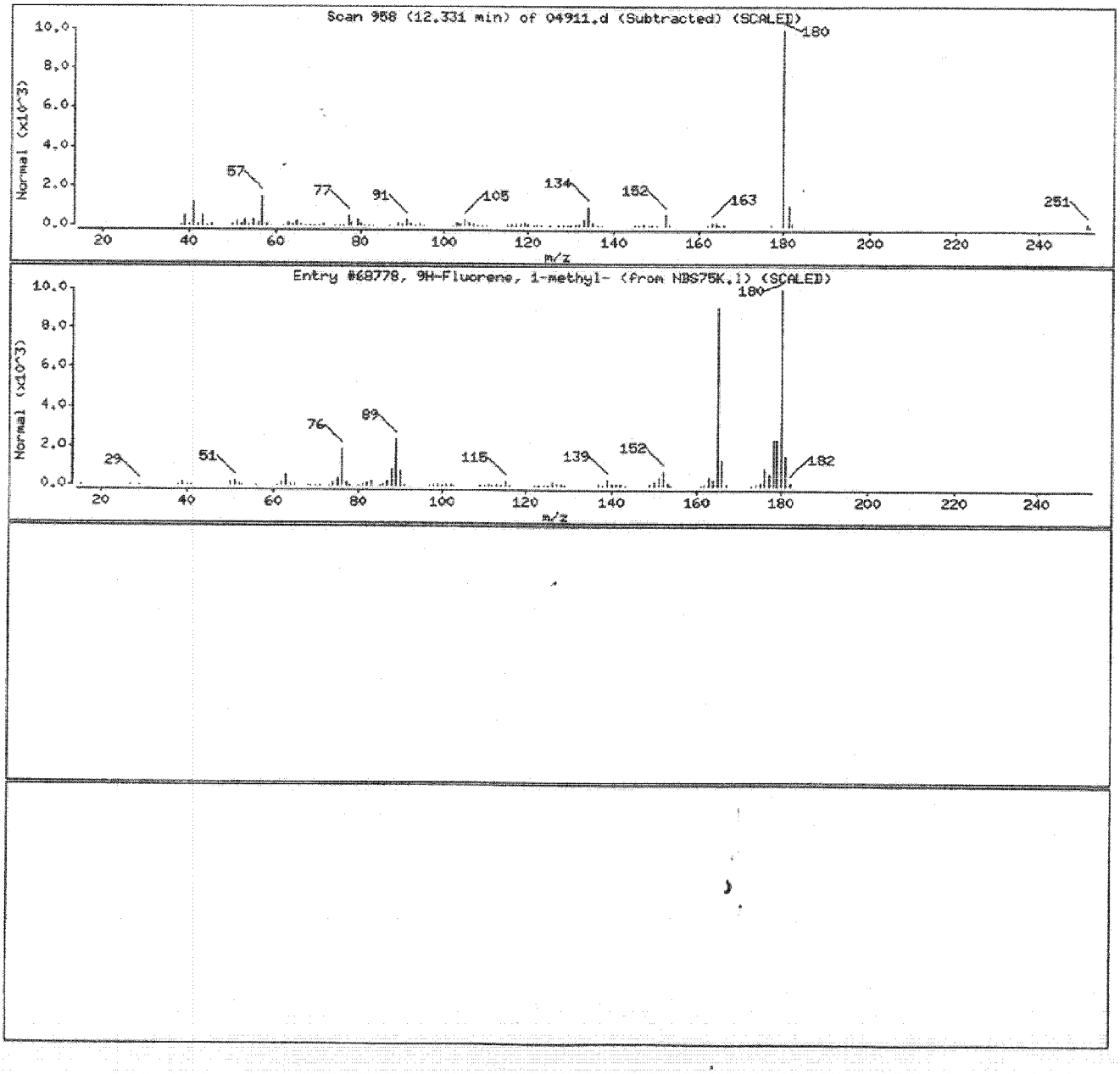
Client ID: E04-0120-67438 Instrument: 10mss1.i

Sample Info: 105333165

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
9H-Fluorene, 1-methyl-	1730-37-6	NBS75K.l	68778	38	C14H12	180



Date : 18-FEB-2004 18:50

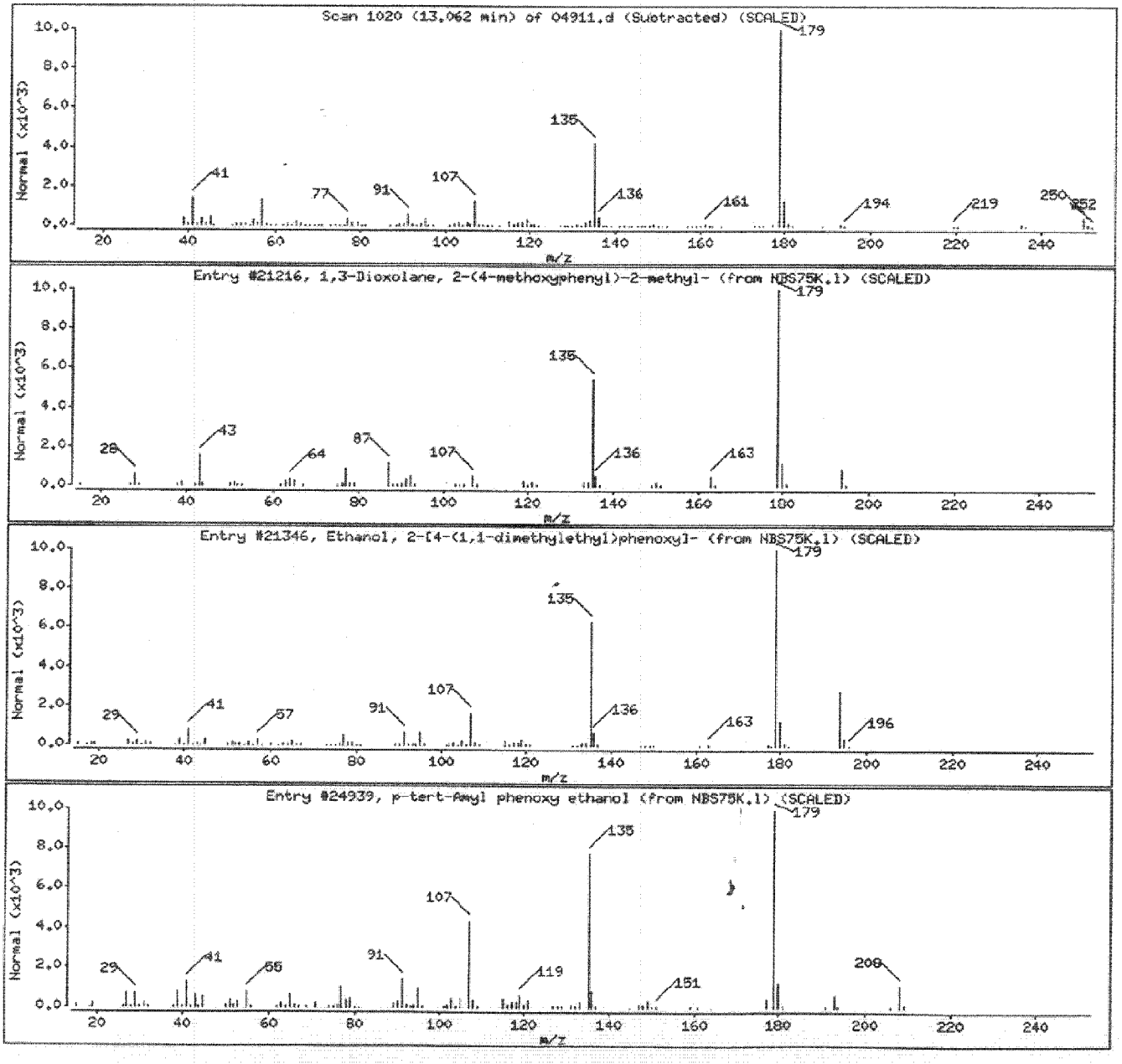
Client ID: E04-0120-67438 Instrument: 10mss1.i

Sample Info: 105333165

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,3-Dioxolane, 2-(4-methoxyphenyl)-2-met	0-00-0	NBS75K.l	21216	64	C11H1403	194
Ethanol, 2-[4-(1,1-dimethylethyl)phenoxy	713-46-2	NBS75K.l	21346	52	C12H1802	194
p-tert-Amyl phenoxy ethanol	6382-07-6	NBS75K.l	24939	38	C13H2002	208



Data File: /var/chem/10mss1.i/021804.b/04911.d

Date : 18-FEB-2004 18:50

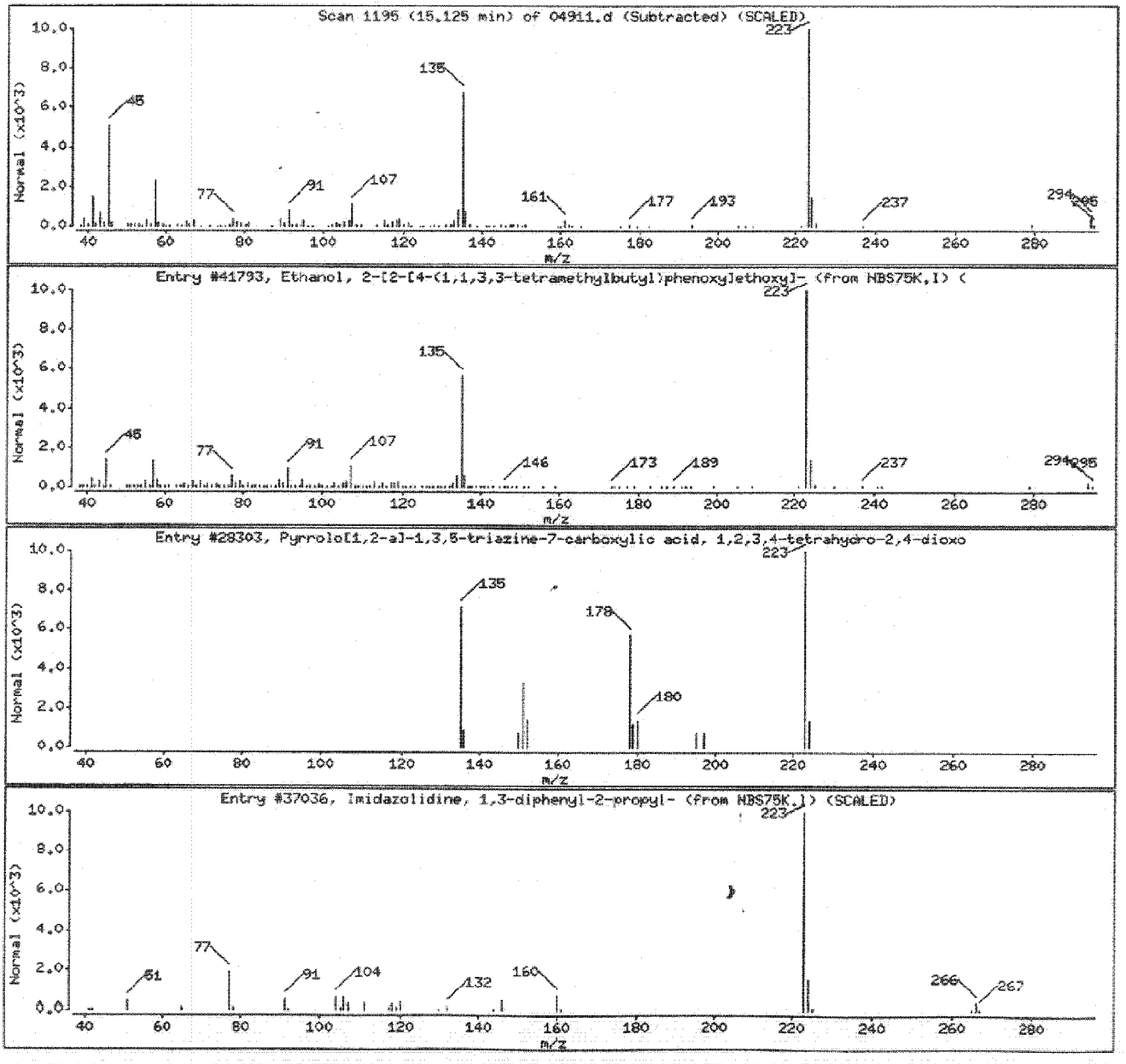
Client ID: E04-0120-67438 Instrument: 10mss1.i

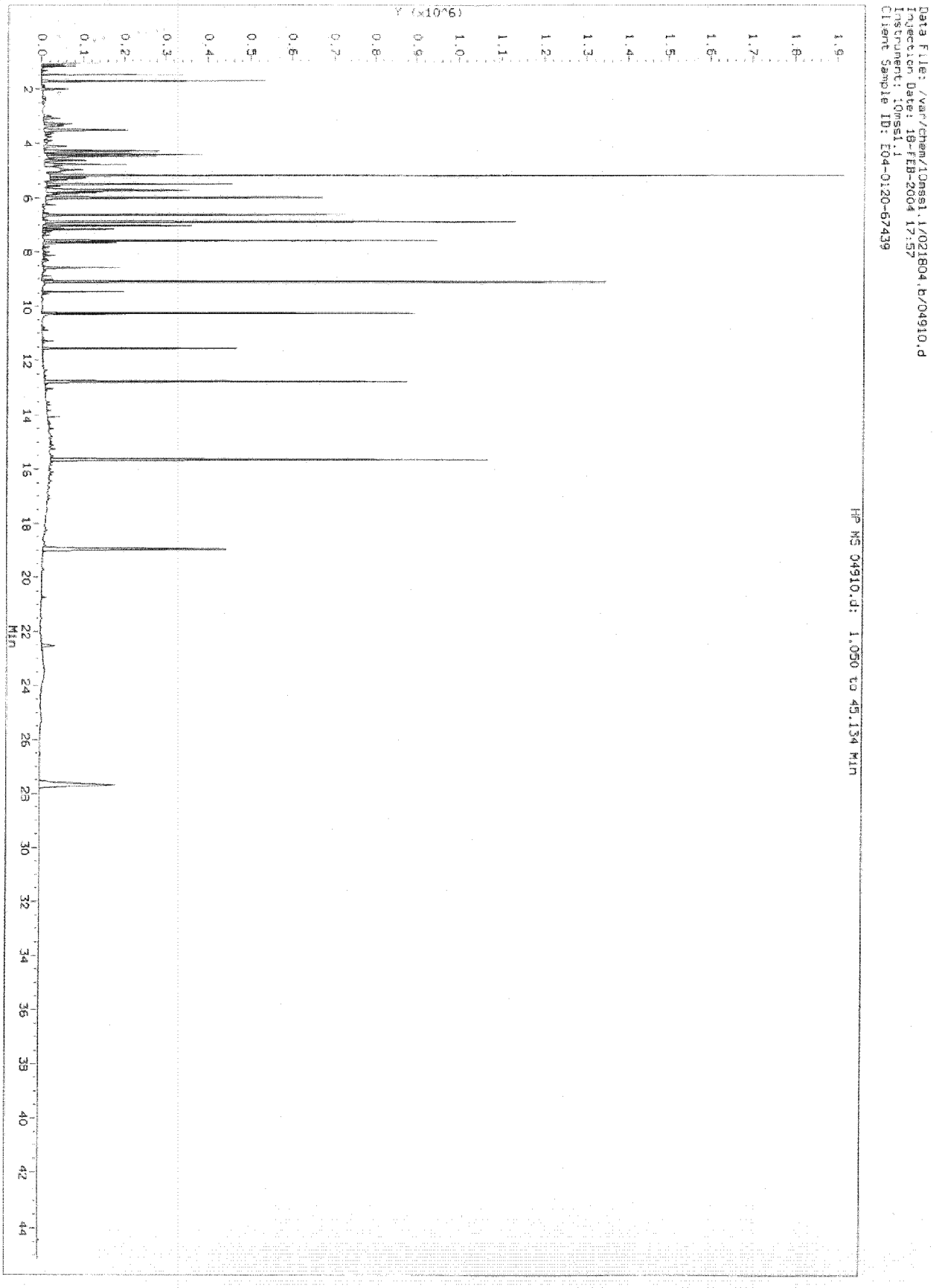
Sample Info: 105333165

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethanol, 2-[2-[4-(1,1,3,3-tetramethylbut	2315-61-9	NBS75K.l	41793	91	C18H30O3	294
Pyrrolo[1,2-a]-1,3,5-triazine-7-carboxyl	54449-89-7	NBS75K.l	28303	90	C9H9N3O4	223
Imidazolidine, 1,3-diphenyl-2-propyl-	55320-82-6	NBS75K.l	37036	17	C18H22N2	266




Data File: /var/chem/10mss1.i/021804.b/04910.d
Injection Date: 18-FEB-2004 17:57
Instrument: 10mss1.i
Client Sample ID: E04-0120-67439
Y (x10^6)
Min
HP MS 04910.d: 1.050 to 45.134 Min

Data File: /var/chem/10mss1.i/021804.b/04910.d
Report Date: 23-Feb-2004 12:20

Pace Analytical Services, Inc.

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: 3M ENV
Lab Smp Id: 105333157
Operator : KSK
Sample Location:
Sample Matrix: WATER
Analysis Type: SV

Client SDG: 021804
Client Smp ID: E04-0120-67439
Sample Date: 12-FEB-2004
Sample Point:
Date Received: 13-FEB-2004 00:00
Level: LOW

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	115-22-0	3-Hydroxy-3-methyl-2-butano	1.710	1.58	NJ
2.	7795-80-4	2-Methyl-2,3-pentanediol	3.525	1.33	NJ
3.	565-75-3	Pentane, 2,3,4-trimethyl-	4.291	1.60	NJ
4.	922-64-5	Propanedinitrile, methylene	4.492	1.38	NJ
5.		Unknown	4.786	1.41	J
6.	615-29-2	3-Hexanol, 4-methyl-	5.199	9.83	NJ
7.	111-90-0	Ethanol, 2-(2-ethoxyethoxy)	5.729	2.36	NJ
8.	592-76-7	1-Heptene	6.873	51.6	NJ

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Data File: /var/chem/10mss1.i/021804.b/04910.d
Report Date: 23-Feb-2004 12:20

Pace Analytical Services, Inc.

BASE, NEUTRAL, ACID QUANT AND RATIO REPORT

Data file : /var/chem/10mss1.i/021804.b/04910.d
Lab Smp Id: 105333157 Client Smp ID: E04-0120-67439
Inj Date : 18-FEB-2004 17:57
Operator : KSK Inst ID: 10mss1.i
Smp Info : 105333157
Misc Info :
Comment : RCRA 8270C - SEMIVOLATILES
Method : /var/chem/10mss1.i/021804.b/SV07-043.m
Meth Date : 23-Feb-2004 11:14 kking Quant Type: ISTD
Cal Date : 12-FEB-2004 20:45 Cal File: 04307.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 625.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

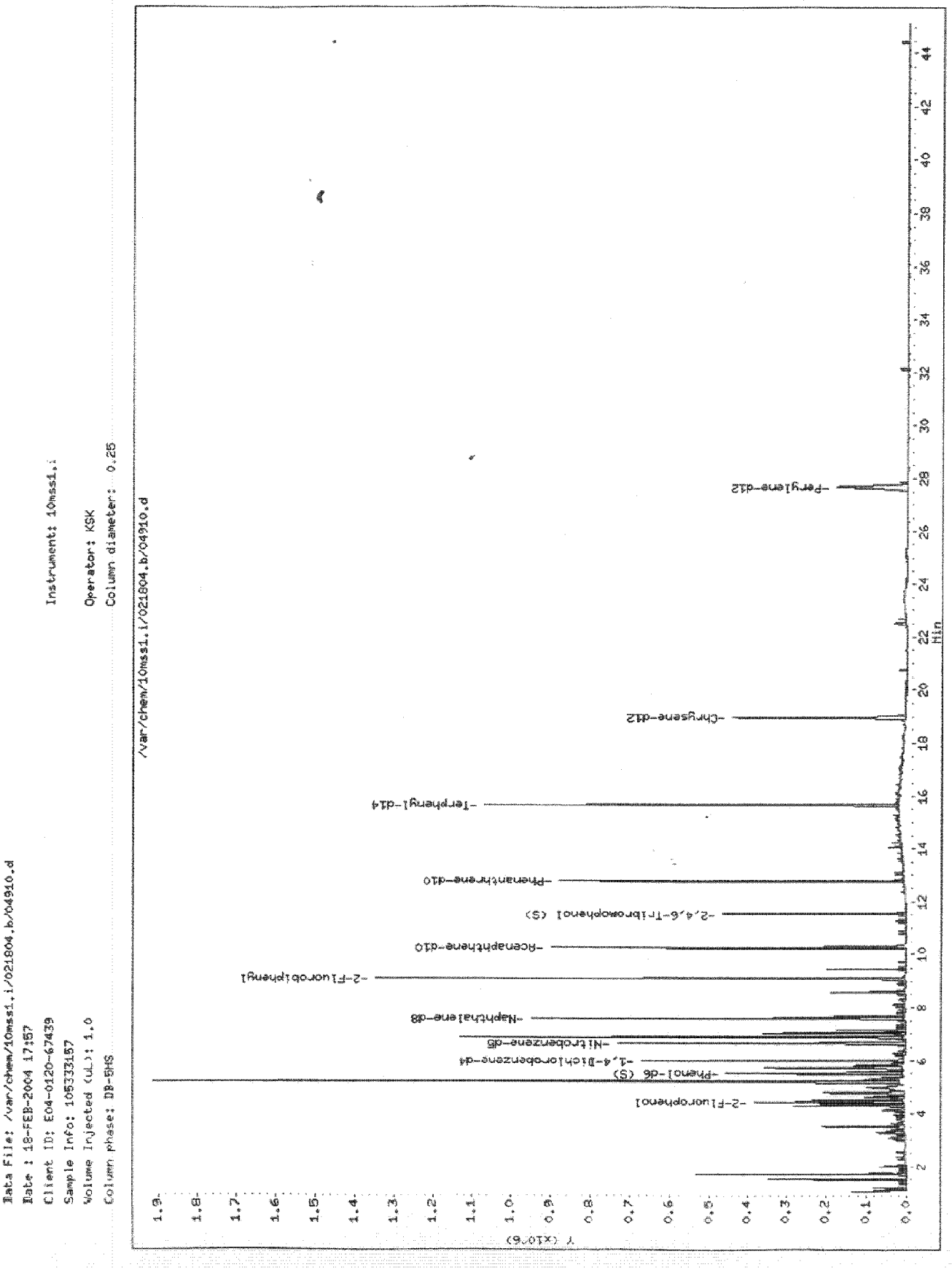
Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 9 1,4-Dichlorobenzene-d4	6.000	1320782	3.000
* 28 Naphthalene-d8	7.580	1789377	40.000

	CONCENTRATIONS			QUANT			
RT	AREA	ON-COL(NG)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
3-Hydroxy-3-methyl-2-butanone			CAS #: 115-22-0				
1.710	697603	1.58452150	1.58	78	NBS75K.1	61477	9
2-Methyl-2,3-pentanediol			CAS #: 7795-80-4				
3.525	584720	1.32812220	1.33	39	NBS75K.1	3532	9

Data File: /var/chem/10mssl.i/021804.b/04910.d
Report Date: 23-Feb-2004 12:20

		CONCENTRATIONS			QUANT		
RT	AREA ON-COL(NG)	FINAL(ng/L)	QUAL	LIBRARY	L/B ENTRY	CPND #	
4.291	706262 1.60419090	1.60	25	NBS75K.1	3100	9	
Pentane, 2,3,4-trimethyl-			CAS #: 565-75-3				
4.492	607343 1.37950792	1.38	59	NBS75K.1	62625	9	
Propanedinitrile, methylene-			CAS #: 922-64-5				
Unknown			CAS #:				
4.786	622146 1.41313126	1.41	0	0		9	
3-Hexanol, 4-methyl-			CAS #: 615-29-2				
5.199	432745 6 9.82933018	9.83	59	NBS75K.1	3362	9	
Ethanol, 2-(2-ethoxyethoxy)-			CAS #: 111-90-0				
5.729	1039473 2.36103937	2.36	83	NBS75K.1	6082	9	
1-Heptene			CAS #: 592-76-7				
6.873	2306273 51.55474690	51.6	59	NBS75K.1	61242	28	


Data File: /var/chem/10mss1.i/021804.b/04910.d
Date : 18-FEB-2004 17:57
Client ID: E04-0120-67439
Sample Info: 105333157
Volume Injected (uL): 1.0
Column phase: DB-5MS
Instrument: 10mss1.i
Operator: KSK
Column diameter: 0.25
/var/chem/10mss1.i/021804.b/04910.d
Y (x10^6)
Min
-2-Fluorophenol
-Phenol-d6 (S)
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol (S)
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12
-Perylene-d12

Data File: /var/chem/10mss1.i/021804.b/04910.d

Date : 18-FEB-2004 17:57

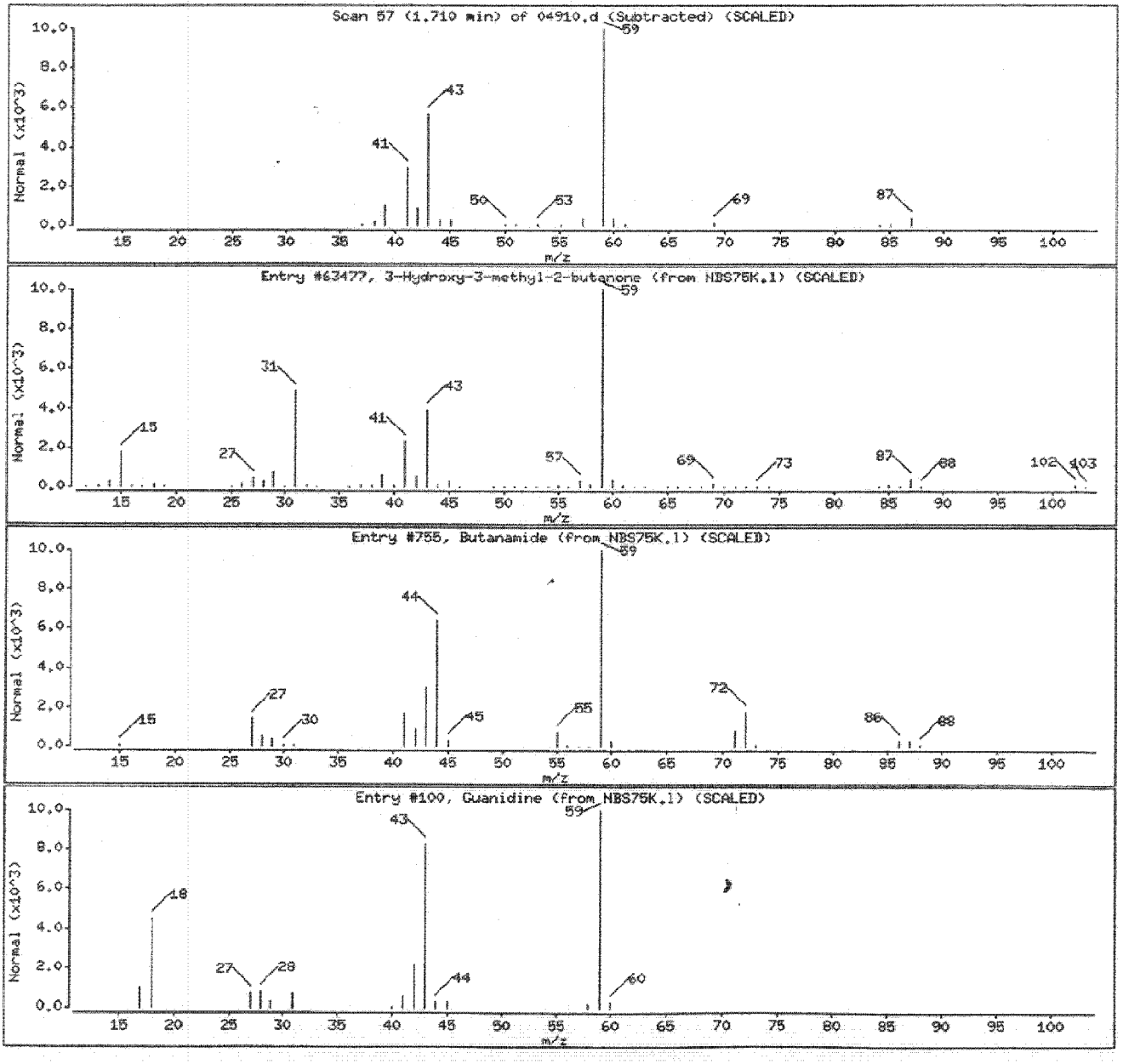
Client ID: E04-0120-67439 Instrument: 10mss1.i

Sample Info: 105333157

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Hydroxy-3-methyl-2-butanone	115-22-0	NBS75K.l	63477	78	C5H10O2	102
Butanamide	541-35-5	NBS75K.l	755	56	C4H9NO	87
Guanidine	113-00-8	NBS75K.l	100	45	CH6N3	59



Data File: /var/chem/10mss1.i/021804.b/04910.d

Date : 18-FEB-2004 17:57

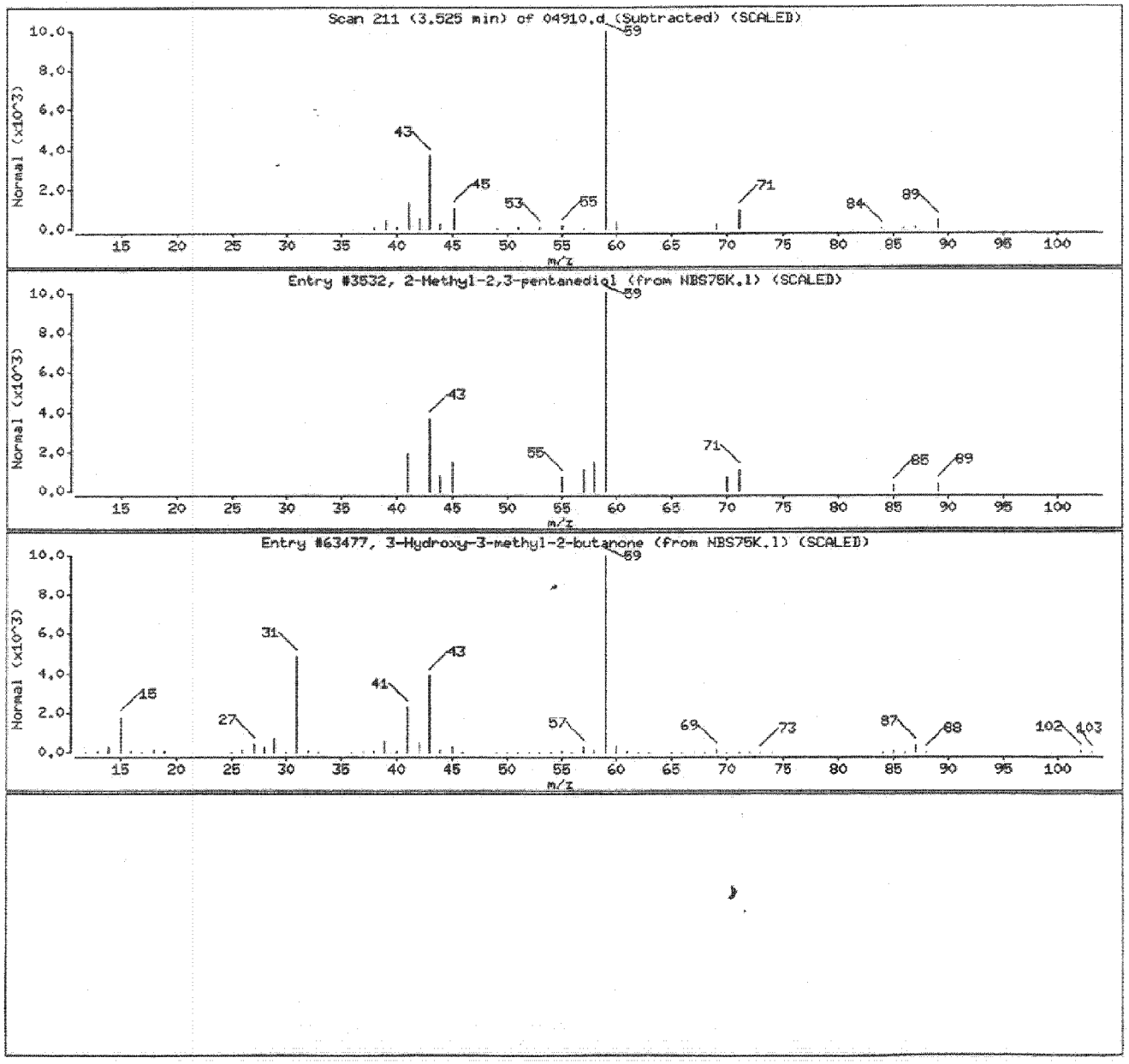
Client ID: E04-0120-67439 Instrument: 10mss1.i

Sample Info: 105333157

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Methyl-2,3-pentanediol	7795-80-4	NBS75K.l	3532	39	C6H1402	118
3-Hydroxy-3-methyl-2-butanone	115-22-0	NBS75K.l	63477	38	C5H1002	102



Data File: /var/chem/10mss1.i/021804.b/04910.d

Date : 18-FEB-2004 17:57

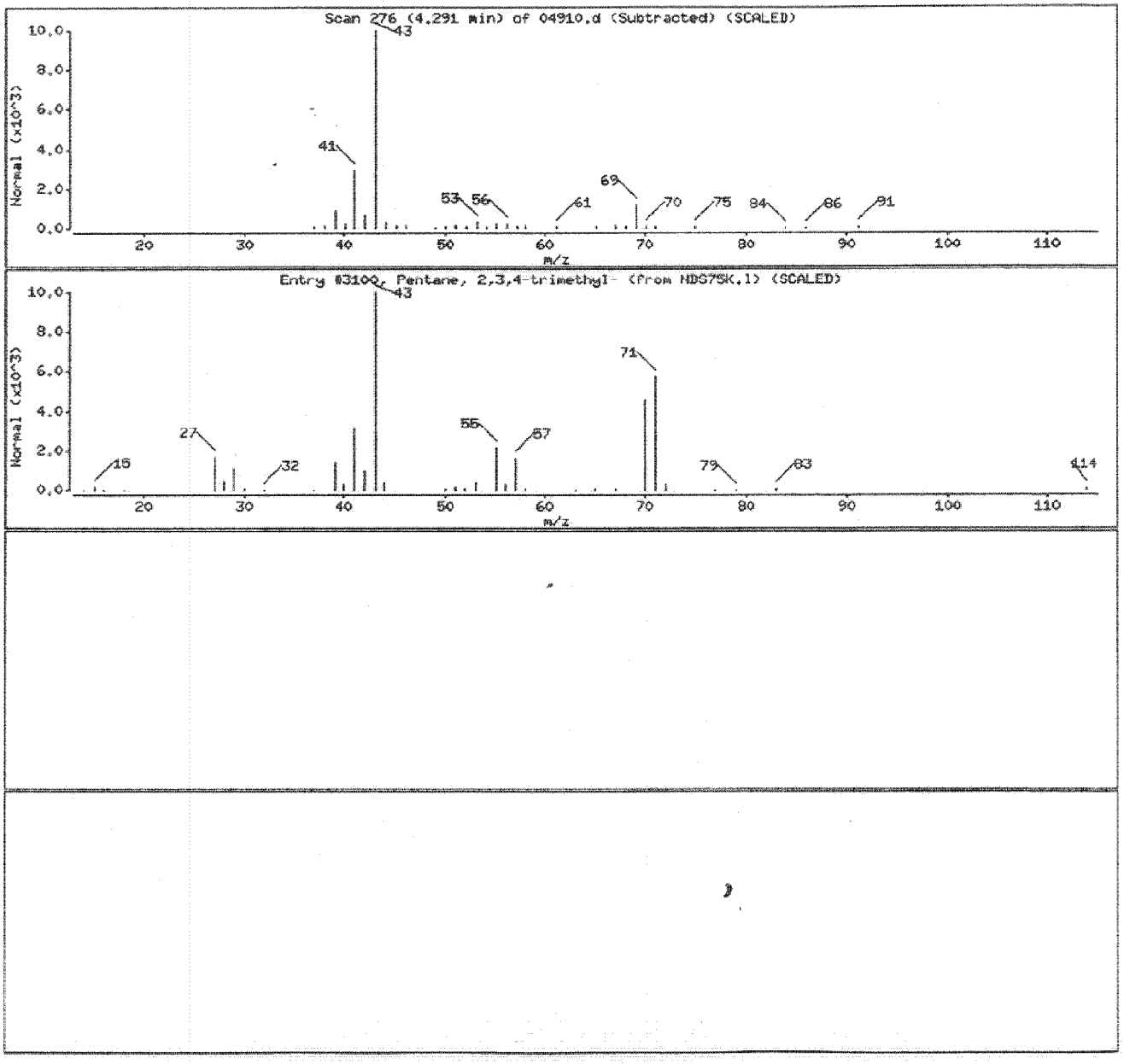
Client ID: E04-0120-67439 Instrument: 10mss1.i

Sample Info: 105333157

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Pentane, 2,3,4-trimethyl-	565-75-3	NBS75K.1	3100	25	C8H18	114



Data File: /var/chem/10mss1.i/021804.b/04910.d

Date : 18-FEB-2004 17:57

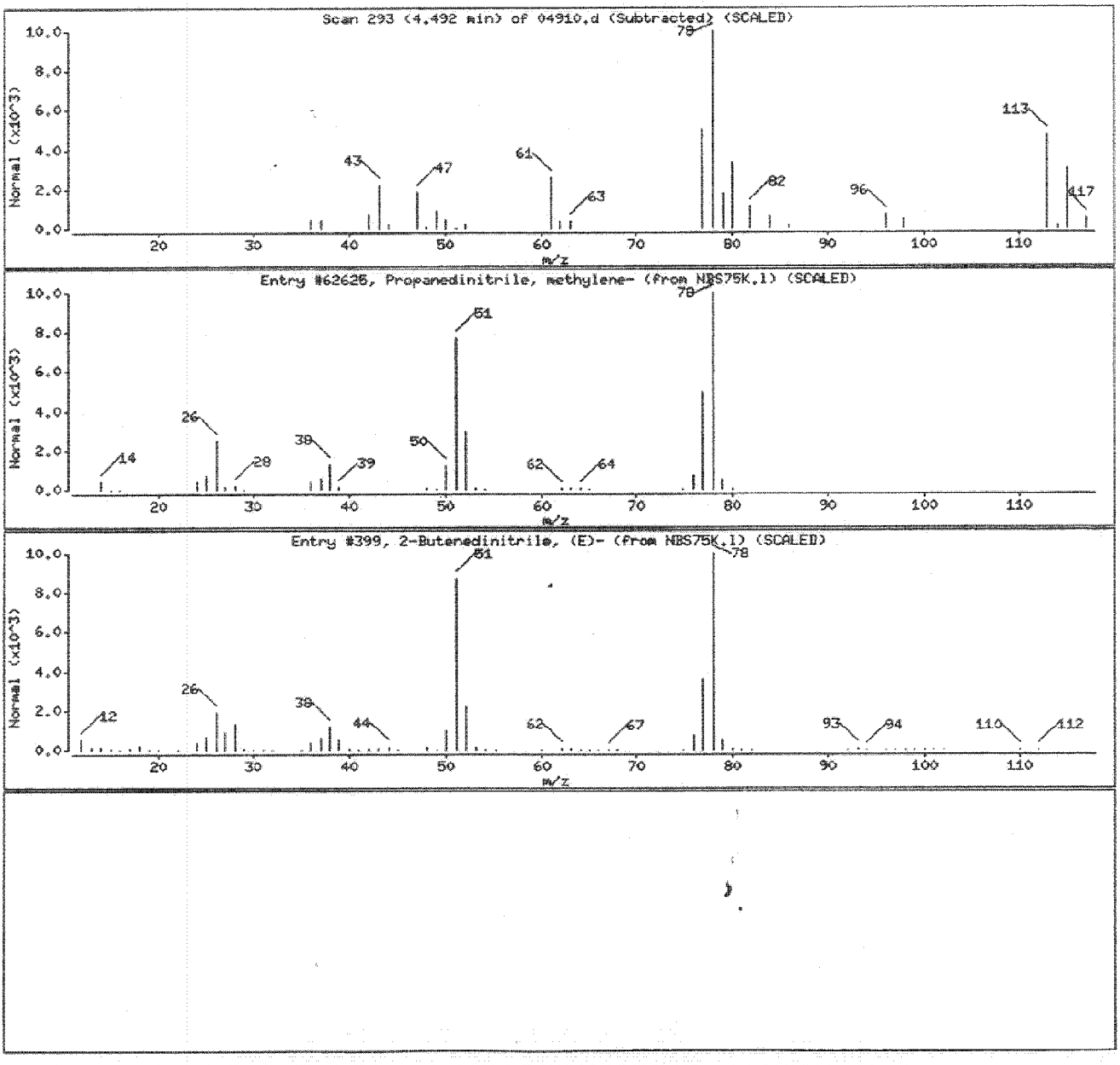
Client ID: E04-0120-67439 Instrument: 10mss1.i

Sample Info: 105333157

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Propanedinitrile, methylene-	922-64-5	NBS75K.l	62625	59	C4H2N2	78
2-Butenedinitrile, (E)-	764-42-1	NBS75K.l	399	36	C4H2N2	78



Data File: /var/chem/10mss1.i/021804.b/04910.d

Date : 18-FEB-2004 17:57

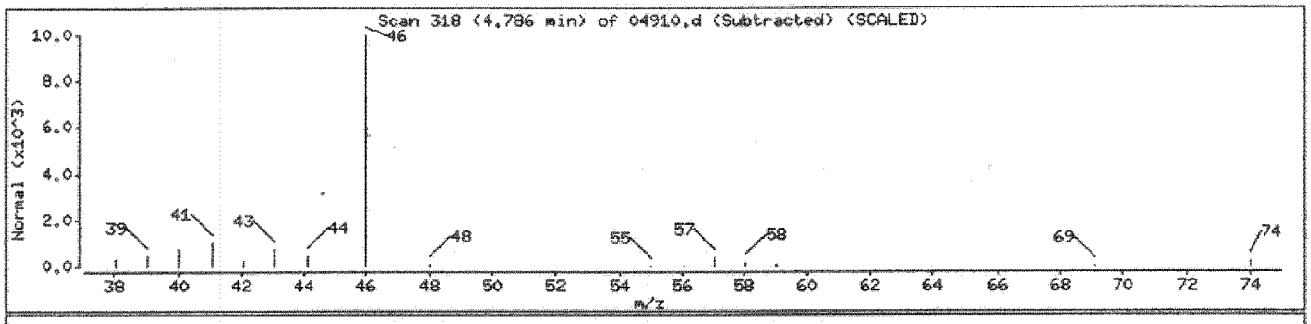
Client ID: E04-0120-67439 Instrument: 10mss1.i

Sample Info: 105333157

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Data File: /var/chem/10mss1.i/021804.b/04910.d

Date : 18-FEB-2004 17:57

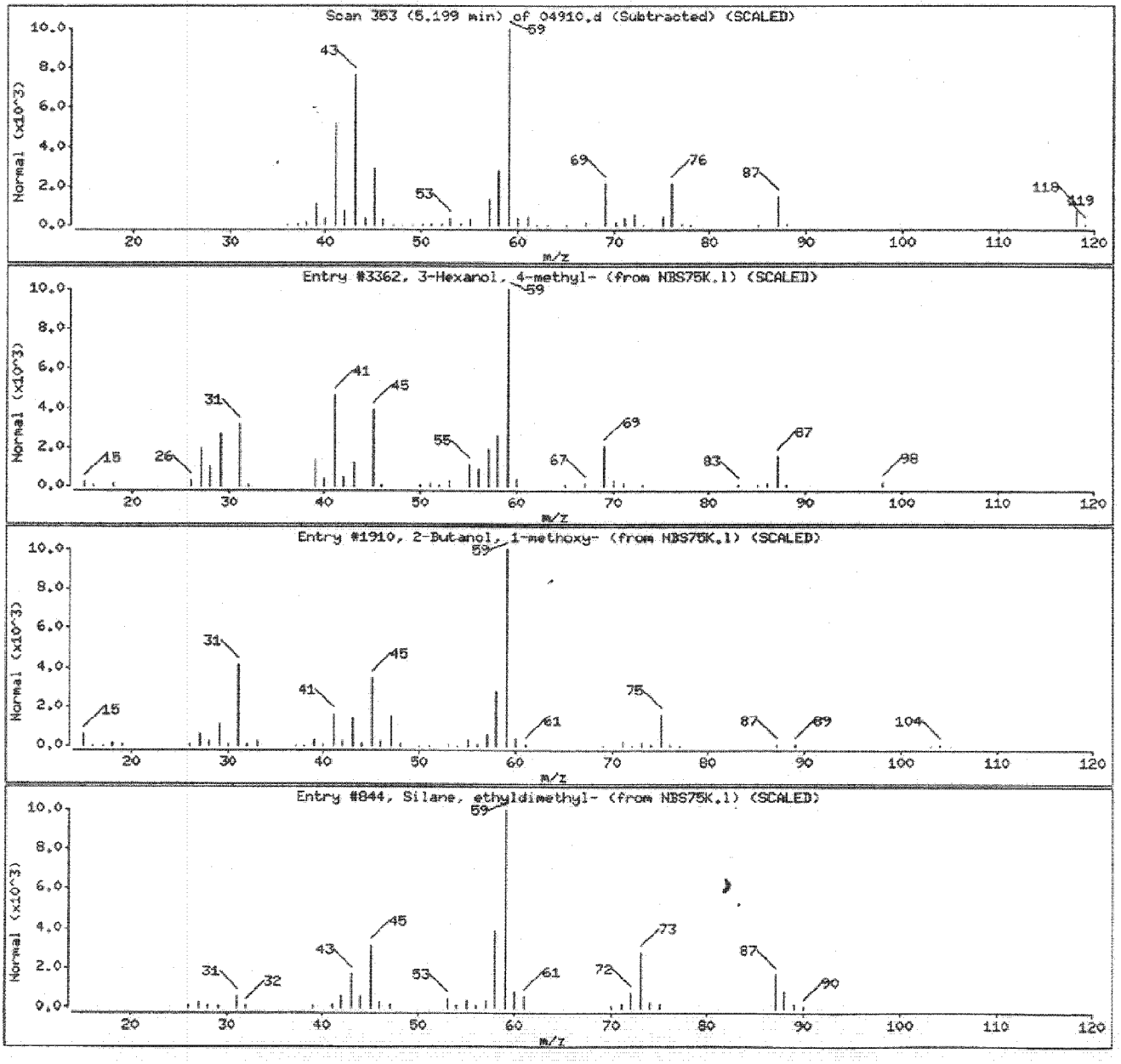
Client ID: E04-0120-67439 Instrument: 10mss1.i

Sample Info: 105333157

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3-Hexanol, 4-methyl-	615-29-2	NBS75K.l	3362	59	C7H16O	116
2-Butanol, 1-methoxy-	53778-73-7	NBS75K.l	1910	59	C5H12O2	104
Silane, ethyldimethyl-	758-21-4	NBS75K.l	844	50	C4H12Si	88



Data File: /var/chem/10mss1.i/021804.b/04910.d

Date : 18-FEB-2004 17:57

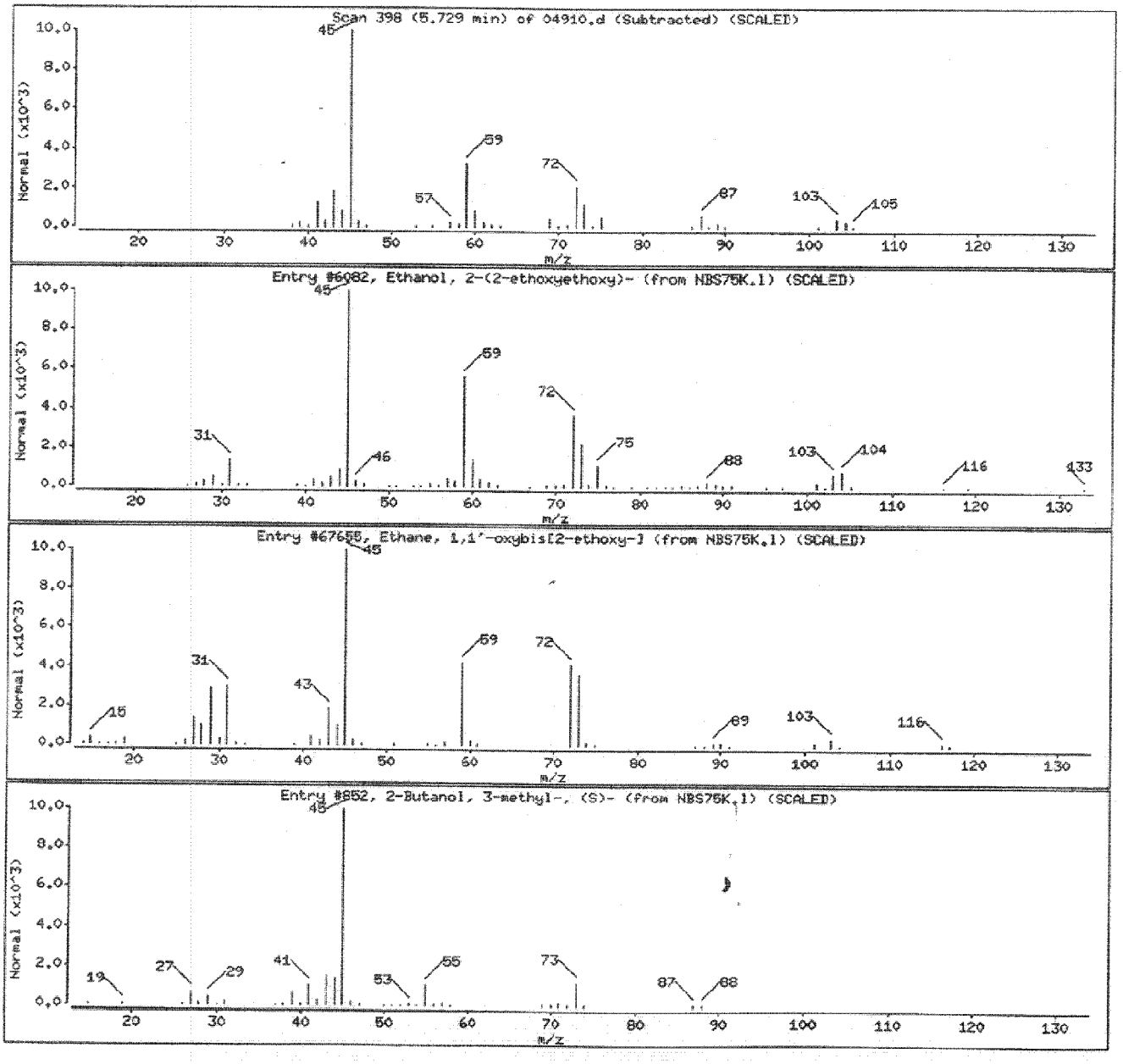
Client ID: E04-0120-67439 Instrument: 10mss1.i

Sample Info: 105333157

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethanol, 2-(2-ethoxyethoxy)-	111-90-0	NBS75K.l	6082	83	C6H1403	134
Ethane, 1,1'-oxybis[2-ethoxy-]	112-36-7	NBS75K.l	67655	72	C8H1803	162
2-Butanol, 3-methyl-, (S)-	1517-66-4	NBS75K.l	852	47	C5H120	88



Data File: /var/chem/10mss1.i/021804,b/04910.d

Date : 18-FEB-2004 17:57

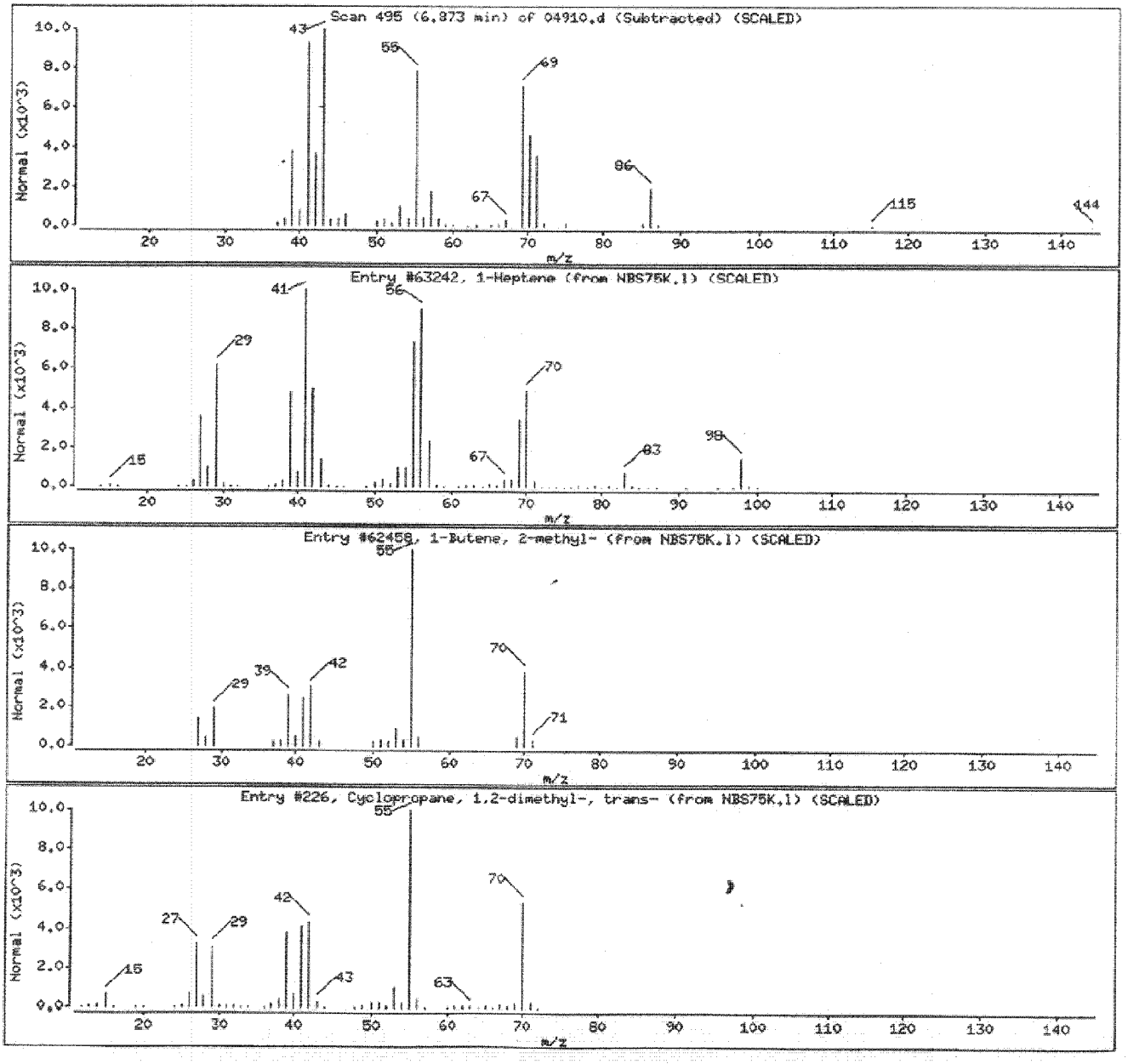
Client ID: E04-0120-67439 Instrument: 10mss1.i

Sample Info: 105333157

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5HS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1-Heptene	592-76-7	NBS75K.l	63242	59	C7H14	98
1-Butene, 2-methyl-	563-46-2	NBS75K.l	62458	58	C5H10	70
Cyclopropane, 1,2-dimethyl-, trans-	2402-06-4	NBS75K.l	226	53	C5H10	70



Data File: /chem/10msv4.i/021704a.b/04812.D
Report Date: 15-Mar-2004 12:26

Pace Analytical Services, Inc. - Minnesota

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: 3M ENV
Lab Smp Id: 105333140
Operator : PN1
Sample Location:
Sample Matrix: WATER
Analysis Type: VOA

Client SDC: 021704a
Client Smp ID: E04-0120-67434
Sample Date: 12-FEB-2004
Sample Point:
Date Received: 13-FEB-2004 00:00
Level: LOW

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
464-58-1	Unknown	1.425	66	NJ
75-65-0	Unknown	2.964	8.3	NJ
	Unknown	3.031	2.2	J
123-91-1	1,4-Dioxane	5.641	4.1	NJ

Data File: /chem/10msv4.i/021704a.b/04812.D
Report Date: 15-Mar-2004 12:26

Pace Analytical Services, Inc. - Minnesota

8260B VOLATILE REPORT

Data file : /chem/10msv4.i/021704a.b/04812.D
Lab Smp Id: 105333140 Client Smp ID: E04-0120-67434
Inj Date : 17-FEB-2004 20:00
Operator : PNI Inst ID: 10msv4.i
Smp Info : 105333140
Misc Info :
Comment : 8260B VOLATILE REPORT
Method : /chem/10msv4.i/021704a.b/V0404040.m
Meth Date : 15-Mar-2004 12:17 rschnobr Quant Type: ISTD
Cal Date : 10-FEB-2004 02:45 Cal File: 04007.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpchems2

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 43 Fluorobenzene	4.905	701598	20.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown			CAS #: 463-58-1				
1.425	2301386	55.6040916	66	5	NBS75K.1	112	43
Unknown			CAS #: 75-65-0				
2.964	291078	8.29737979	8.3	64	NBS75K.1	62573	43
Unknown			CAS #:				
3.031	76646	2.18403654	2.2	0		0	43

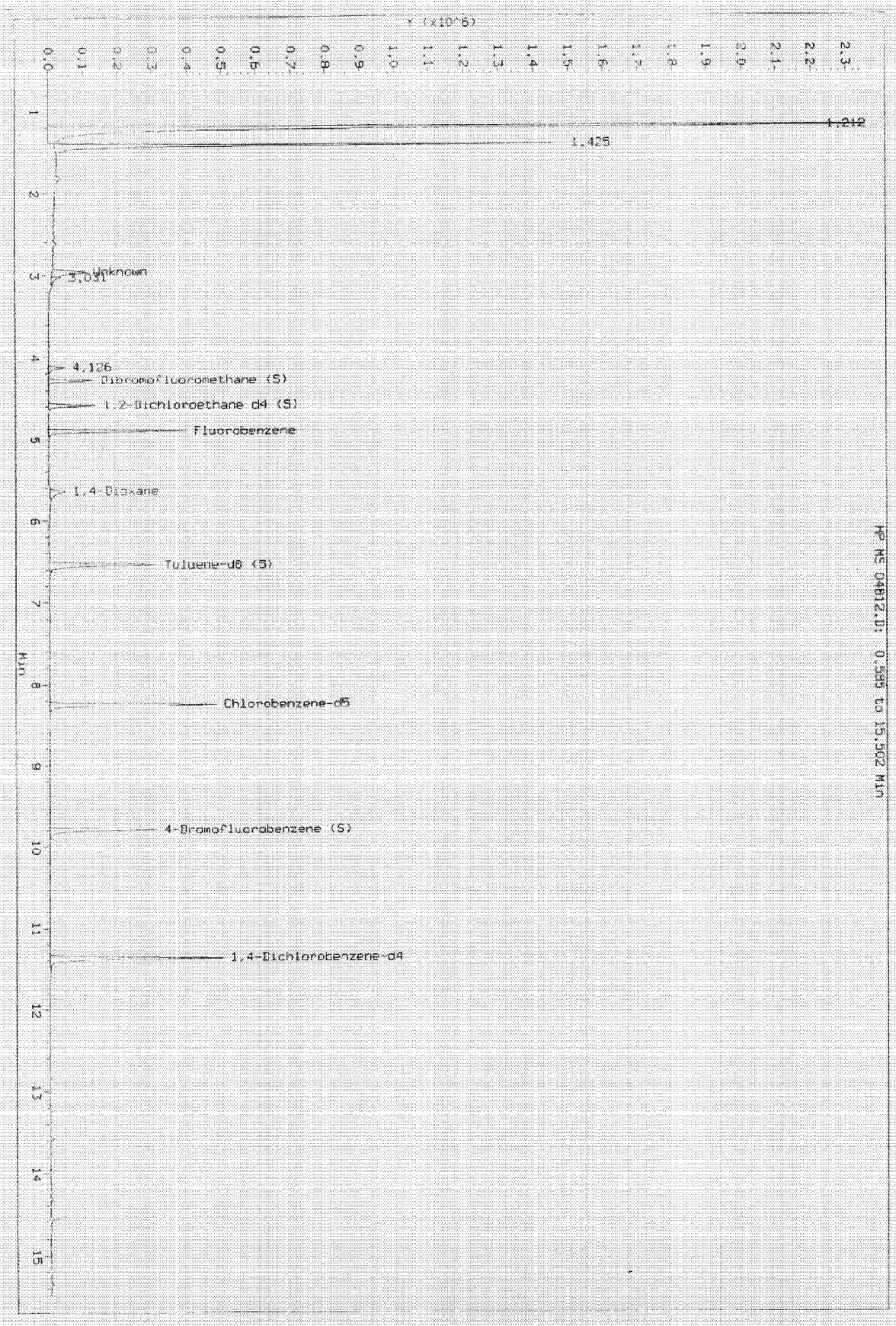
CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Data File: /chem/10msv4.i/021704a.b/04812.D
Report Date: 15-Mar-2004 12:26

RT	AREA	CONCENTRATIONS ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	QUANT LIB ENTRY	CPND #
1,4-Dioxane					CAS #: 123-91-1		
3.641	144672	4.12408366	4.1	86	NBS75K.1	62898	43(L)

QC Flag Legend

L - Operator selected an alternate library search match.


Data File: /chem/10msv4.i/022704a.b/04812.D
Injection Date: 17-FEB-2004 20:00
Instrument: 10msv4.i
Client Sample ID: E04-0120-67434
HP MS 04812.D: 0.588 to 15.502 Min
x (x10^6)
1.125
3.031
Unknown
4.126
Dibromofluoromethane (S)
1,2-Dichloroethane d4 (S)
Fluorobenzene
1,4-Dioxane
Toluene-d8 (S)
Chlorobenzene-d5
4-Bromofluorobenzene (S)
1,4-Dichlorobenzene-d4
Min

Data File: /var/chem/10mss1.i/021804.b/04913.d

Date : 18-FEB-2004 20:37

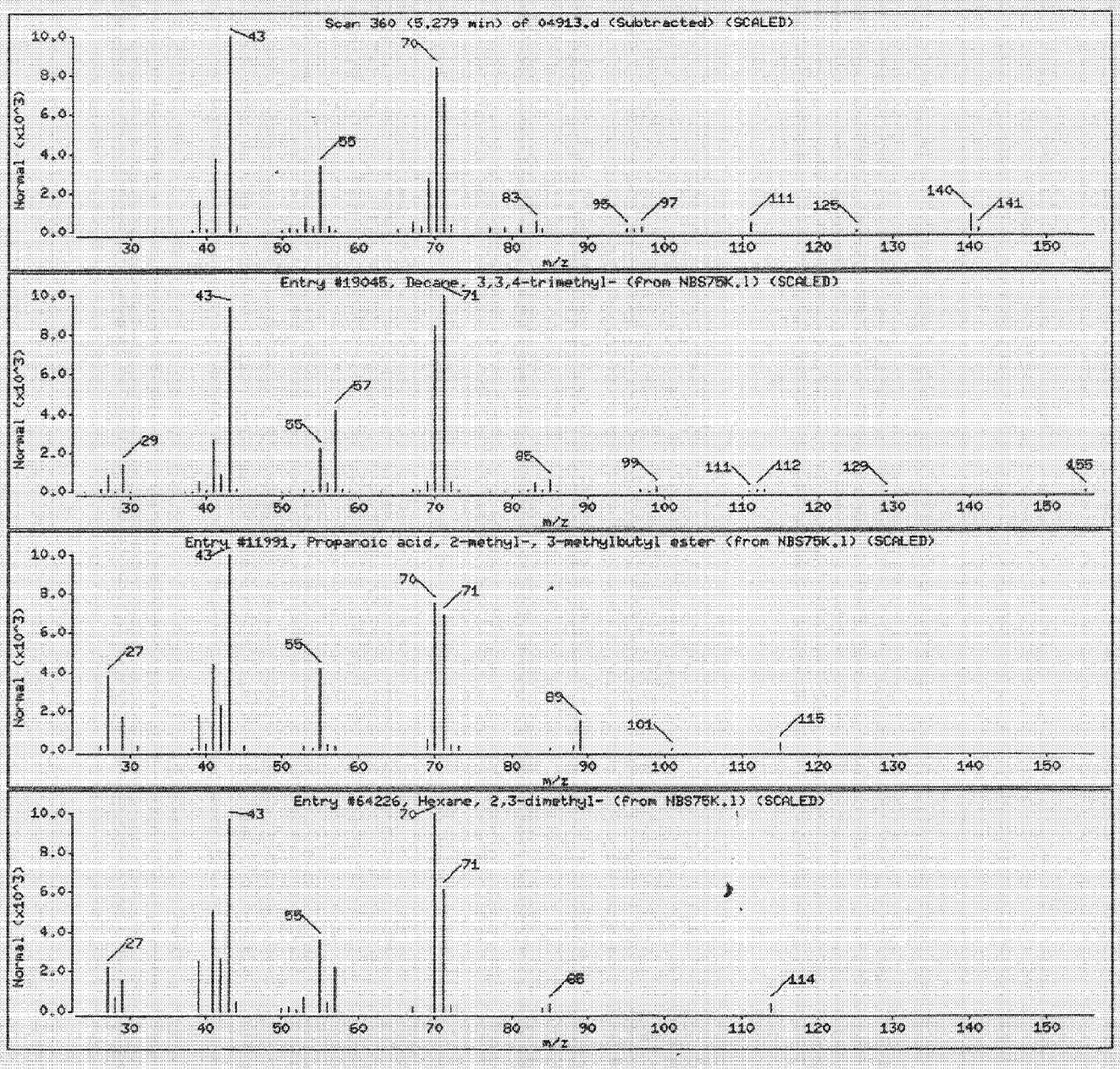
Client ID: E04-0120-67442 Instrument: 10mss1.i

Sample Info: 105333181

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decane, 3,3,4-trimethyl-	49622-18-6	NBS75K.l	19045	72	C13H28	184
Propanoic acid, 2-methyl-, 3-methylbutyl	2050-01-3	NBS75K.l	11991	72	C9H18O2	158
Hexane, 2,3-dimethyl-	584-94-1	NBS75K.l	64226	64	C8H18	114



Data File: /var/chem/10mss1.i/021804.b/04913.d

Date : 18-FEB-2004 20:37

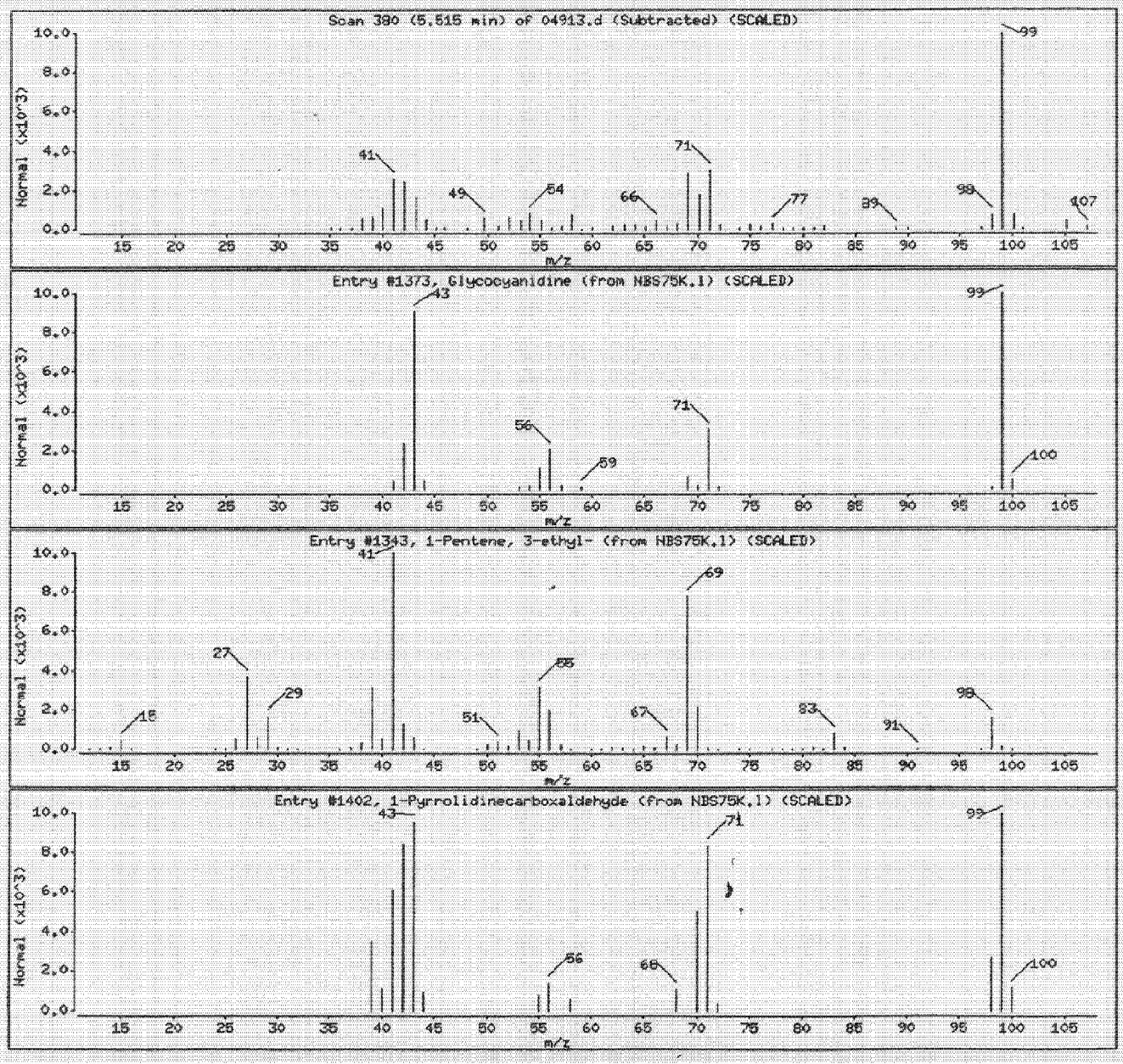
Client ID: E04-0120-67442 Instrument: 10mss1.i

Sample Info: 105333181

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5HS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Glycocyanidine	503-86-6	NBS75K.l	1373	43	C3H5N3O	99
1-Pentene, 3-ethyl-	4038-04-4	NBS75K.l	1343	35	C7H14	98
1-Pyrrolidinecarboxaldehyde	3760-54-1	NBS75K.l	1402	25	C5H9NO	99



Data File: /var/chem/10mss1.i/021804.b/04913.d

Date : 18-FEB-2004 20:37

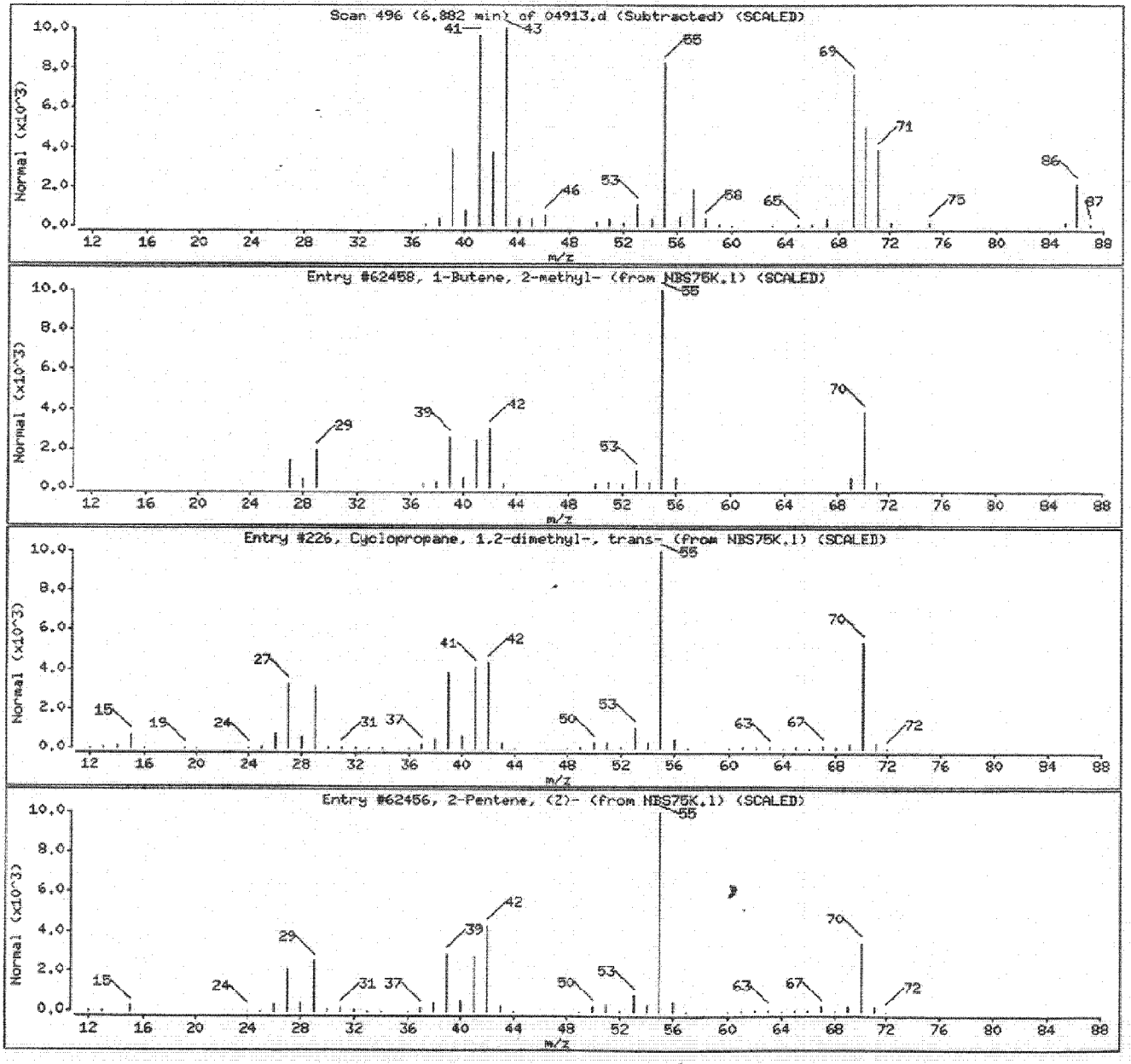
Client ID: E04-0120-67442 Instrument: 10mss1.i

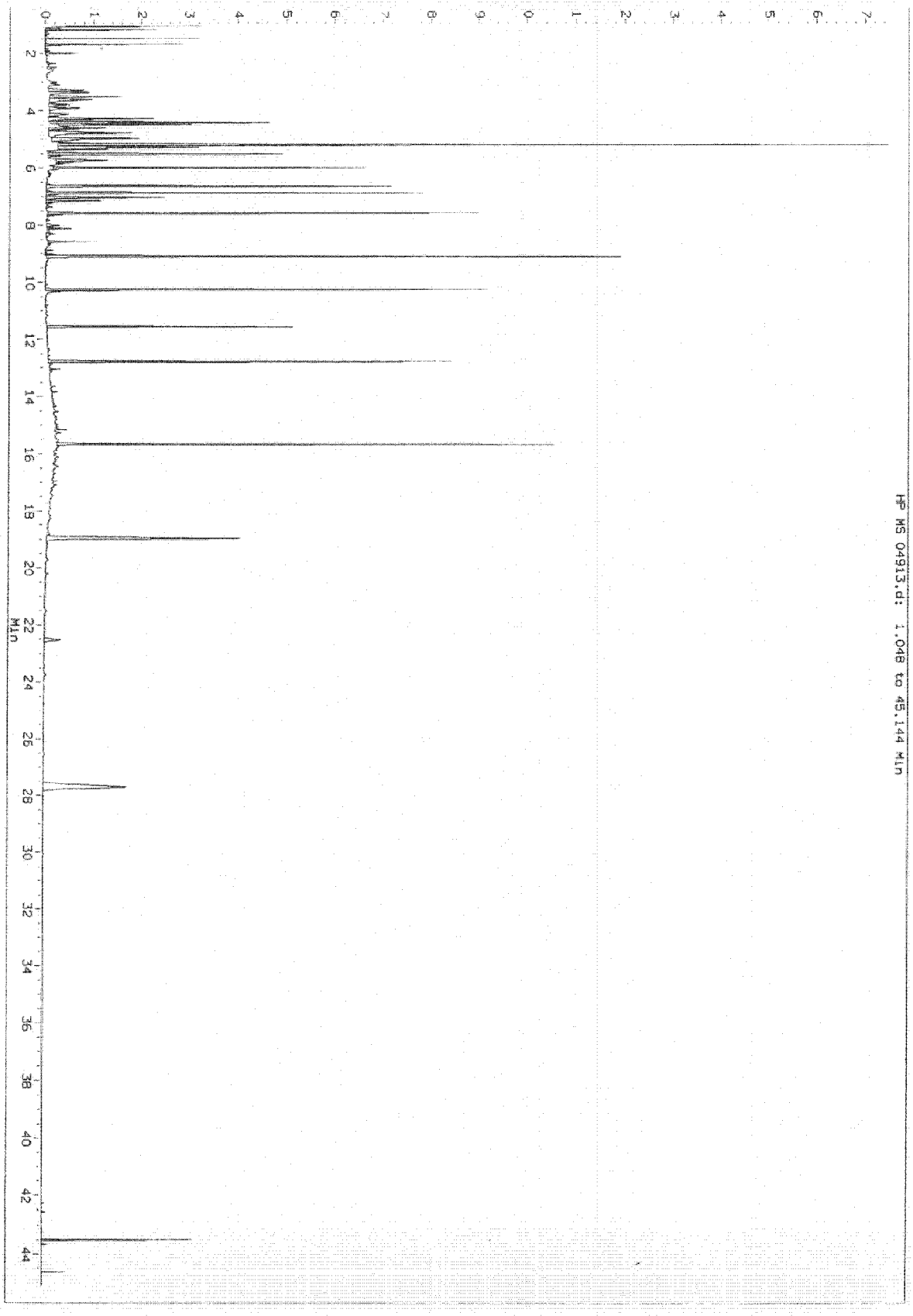
Sample Info: 105333181

Volume Injected (uL): 1.0 Operator: KSK

Column phase: DB-5MS Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1-Butene, 2-methyl-	563-46-2	NBS75K.l	62458	38	C5H10	70
Cyclopropane, 1,2-dimethyl-, trans-	2402-06-4	NBS75K.l	226	38	C5H10	70
2-Pentene, (Z)-	627-20-3	NBS75K.l	62456	38	C5H10	70




File: /var/chem/10mss1.i/021804.b/0491.d
tion Date: 18-FEB-2004 20:37
ument: 10mss1.i
t Sample ID: E04-0120-67442
HP MS 0491.d: 1.048 to 45.144 Min
Min

Data File: /var/chem/10msv4.i/021704a.b/04810.D
Report Date: 23-Feb-2004 21:08

Pace Analytical Services, Inc. - Minnesota

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: 3M ENV
Lab Smp Id: 105333132
Operator : PN1
Sample Location:
Sample Matrix: WATER
Analysis Type: VOA

Client SDG: 021704a
Client Smp ID: E04-0120-67432
Sample Date: 12-FEB-2004
Sample Point:
Date Received: 13-FEB-2004 00:00
Level: LOW

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	96-22-0	3-Pentanone	5.604	450	NJ
2.	590-50-1	2-Pentanone, 4,4-dimethyl-	7.180	5.4	NJ
3.	629-50-5	Tridecane	14.559	2.8	NJ

Data File: /chem/10msv4.i/021704a.b/04810.D
Report Date: 27-Feb-2004 10:13

Pace Analytical Services, Inc. - Minnesota

8260B VOLATILE REPORT

Data file : /chem/10msv4.i/021704a.b/04810.D
Lab Smp Id: 105333132 Client Smp ID: E04-0120-67432
Inj Date : 17-FEB-2004 19:04
Operator : PN1 Inst ID: 10msv4.i
Smp Info : 105333132
Misc Info :
Comment : 8260B VOLATILE REPORT
Method : /var/chem/10msv4.i/021704a.b/V0404040.m
Meth Date : 23-Feb-2004 20:47 pnguyen Quant Type: ISTD
Cal Date : 10-FEB-2004 02:45 Cal File: 04007.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 43 Fluorobenzene	4.904	626883	20.000
* 63 Chlorobenzene-d5	8.250	908867	20.000
* 87 1,4-Dichlorobenzene-d4	11.365	1000673	20.000

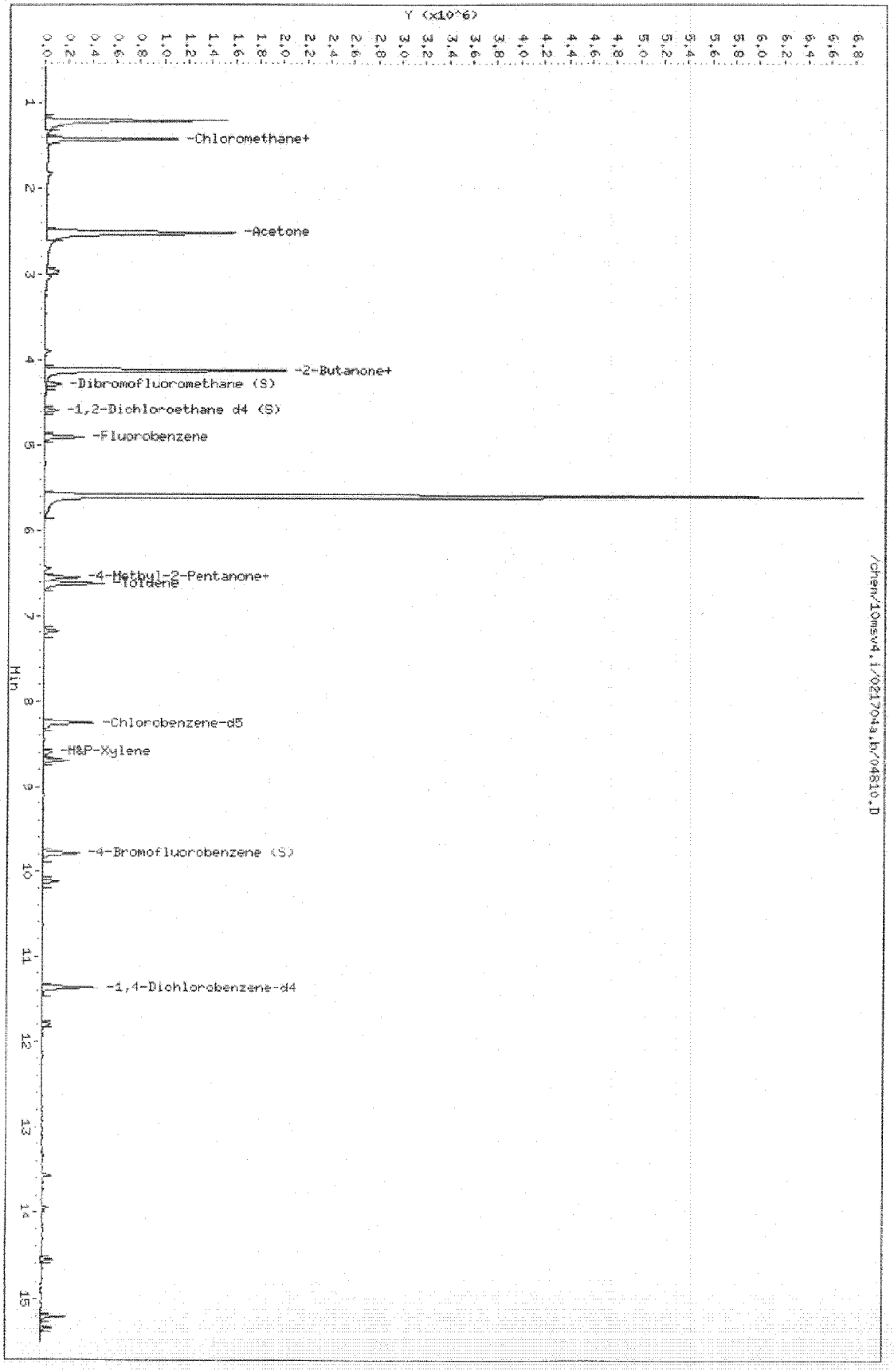
	CONCENTRATIONS				QUANT		
RT	AREA	ON COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
3-Pentanone				CAS #: 96-22-0			
5.604	14086872	449.425785	450	80	NBS75K.1	723	43(L)
2-Pentanone, 4,4-dimethyl-				CAS #: 590-50-1			
7.180	246205	5.41783716	5.4	87	NBS75K.1	3052	63(L)

Data File: /chem/10msv4.i/021704a.b/04810.D
Report Date: 27-Feb-2004 10:13

		CONCENTRATIONS			QUANT		
RT	AREA	ON COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	==========	==========	====	=======	=========	======
Tridecane				CAS #: 629-50-5			
14.559	142293	2.84394501	2.8	94	NBS75K.l	18989	87(L)

QC Flag Legend

L - Operator selected an alternate library search match.


Data File: /chemv10msv4.i/021704a.b/04810.D
Date : 17-FEB-2004 19:04
Client ID: E04-0120-67432
Sample Info: 105333132
Purge Volume: 5.0
Column phase: DB-624
Instrument: 10msv4.i
Operator: PHL
Column diameter: 0.18
/chemv10msv4.i/021704a.b/04810.D
Y (x10^6)
Min
-Chloromethane+
-Acetone
-2-Butanone+
-Dibromofluoromethane (S)
-1,2-Dichloroethane d4 (S)
-Fluorobenzene
-4-Methyl-2-Pentanone+
Toluene
-Chlorobenzene-d5
-M&P-Xylene
-4-Bromofluorobenzene (S)
-1,4-Dichlorobenzene-d4

Data File: /chem/10msv4.i/021704a.b/04814.D
Report Date: 27-Feb-2004 10:13

Pace Analytical Services, Inc. - Minnesota

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: 3M ENV
Lab Smp Id: 105333165
Operator : PN1
Sample Location:
Sample Matrix: WATER
Analysis Type: VOA

Client SDG: 021704a
Client Smp ID: E04-0120-67438
Sample Date: 12-FEB-2004
Sample Point:
Date Received: 13-FEB-2004 00:00
Level: LOW

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	96-22-0	3-Pentanone	5.592	100	NJ
2.	629-50-5	Tridecane	14.559	1.2	NJ

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Data File: /chem/10msv4.i/021704a.b/04814.D
Report Date: 27-Feb-2004 10:13

Pace Analytical Services, Inc. - Minnesota

8260B VOLATILE REPORT

Data file : /chem/10msv4.i/021704a.b/04814.D
Lab Smp Id: 105333165 Client Smp ID: E04-0120-67438
Inj Date : 17-FEB-2004 20:56
Operator : PN1 Inst ID: 10msv4.i
Smp Info : 105333165
Misc Info :
Comment : 8260B VOLATILE REPORT
Method : /var/chem/10msv4.i/021704a.b/V0404040.m
Meth Date : 23-Feb-2004 20:47 pnguyen Quant Type: ISTD
Cal Date : 10-FEB-2004 02:45 Cal File: 04007.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

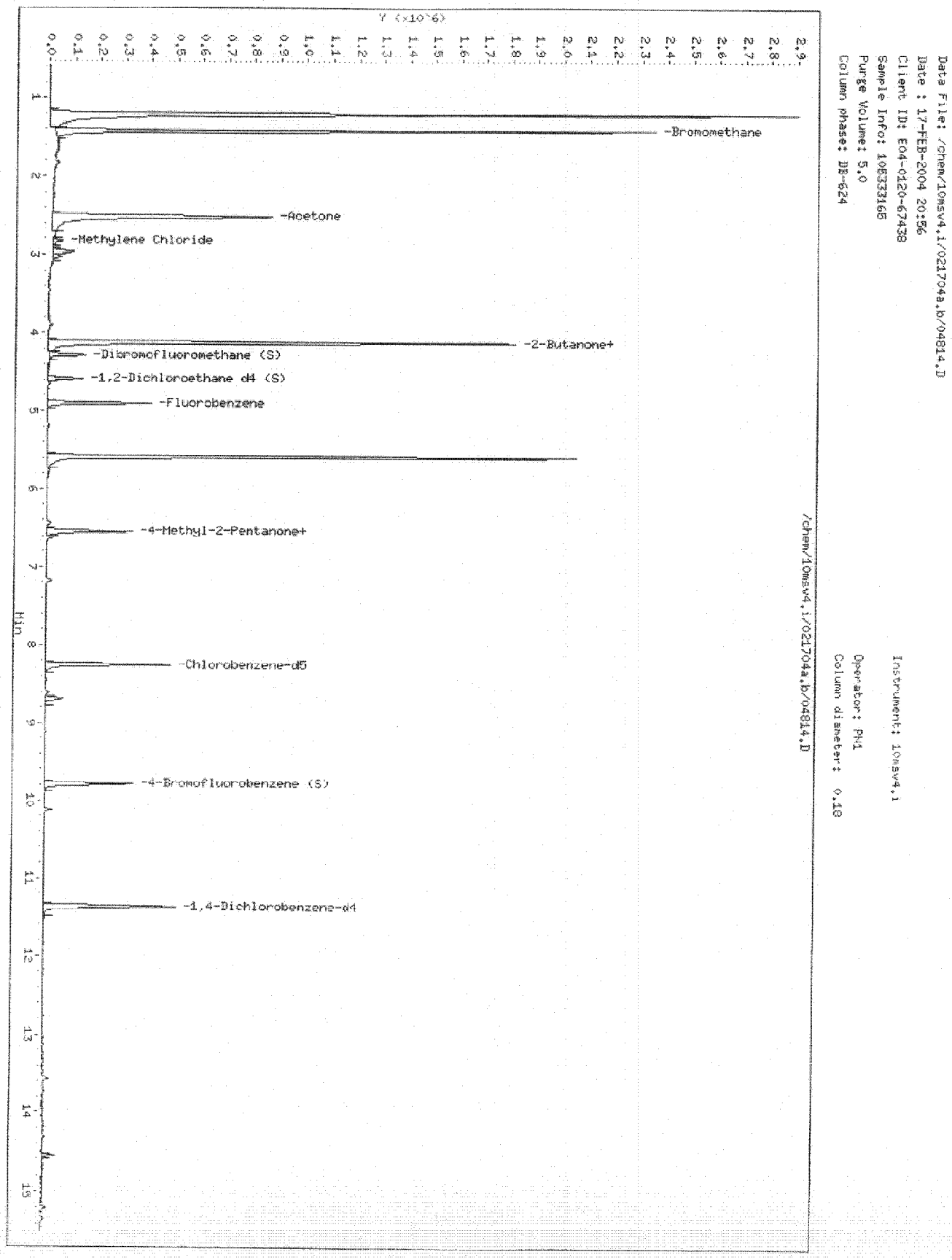
Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 43 Fluorobenzene	4.904	718806	20.000
* 87 1,4-Dichlorobenzene-d4	11.365	1089754	20.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
3-Pentanone			CAS #: 96-22-0				
5.592	3757628	104.551871	100	90	NBS75K.1	723	43(L)
Tridecane			CAS #: 629-50-5				
14.559	66145	1.21394188	1.2	91	NBS75K.1	69016	87(L)


Y (x10^6)
Min
-Bromomethane
-Acetone
-Methylene Chloride
-2-Butanone+
-Dibromofluoromethane (S)
-1,2-Dichloroethane d4 (S)
-Fluorobenzene
-4-Methyl-2-Pentanone+
-Chlorobenzene-d5
-4-Bromofluorobenzene (S)
-1,4-Dichlorobenzene-d4
Data File: /chem/10msv4.i/021704a.b/04814.D
Date : 17-FEB-2004 20:56
Client ID: E04-0120-67438
Sample Info: 10833168
Purge Volume: 5.0
Column phase: DB-624
Instrument: 10msv4.i
Operator: PM1
Column diameter: 0.18
/chem/10msv4.i/021704a.b/04814.D

Data File: /chem/10msv4.i/021704a.b/04815.D
Report Date: 27-Feb-2004 10:13

Pace Analytical Services, Inc. - Minnesota

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: 3M ENV
Lab Smp Id: 105333173
Operator : PN1
Sample Location:
Sample Matrix: WATER
Analysis Type: VOA

Client SDG: 021704a
Client Smp ID: E04-0120-~~67439~~ 67435 HKP 2/27/04
Sample Date: 12-FEB-2004
Sample Point:
Date Received: 13-FEB-2004 00:00
Level: LOW

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	96-22-0	3-Pentanone	5.598	220	NJ
2.	590-50-1	2-Pentanone, 4,4-dimethyl-	7.180	2.1	NJ
3.	112-40-3	Dodecane	13.573	1.6	NJ
4.	629-50-5	Tridecane	14.565	2.0	NJ

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Data File: /chem/10msv4.i/021704a.b/04815.D
Report Date: 27-Feb-2004 10:13

Pace Analytical Services, Inc. - Minnesota

8260B VOLATILE REPORT

Data file : /chem/10msv4.i/021704a.b/04815.D
Lab Smp Id: 105333173 Client Smp ID: E04-0120-~~67439~~ 67435
Inj Date : 17-FEB-2004 21:23
Operator : PN1 Inst ID: 10msv4.i
Smp Info : 105333173
Misc Info :
Comment : 8260B VOLATILE REPORT
Method : /var/chem/10msv4.i/021704a.b/V0404040.m
Meth Date : 23-Feb-2004 20:47 pnguyen Quant Type: ISTD
Cal Date : 10-FEB-2004 02:45 Cal File: 04007.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

HRP 2/27/04

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 43 Fluorobenzene	4.904	663116	20.000
* 63 Chlorobenzene-d5	8.250	919445	20.000
* 87 1,4-Dichlorobenzene-d4	11.371	1016348	20.000

	CONCENTRATIONS			QUANT			
RT	AREA	ON COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
3-Pentanone			CAS #: 96-22-0				
5.598	7290831	219.895924	220	78	NBS75K.1	723	43(L)
2-Pentanone, 4,4-dimethyl			CAS #: 590-50-1				
7.180	98757	2.1461779	2.1	83	NBS75K.1	3052	63(L)

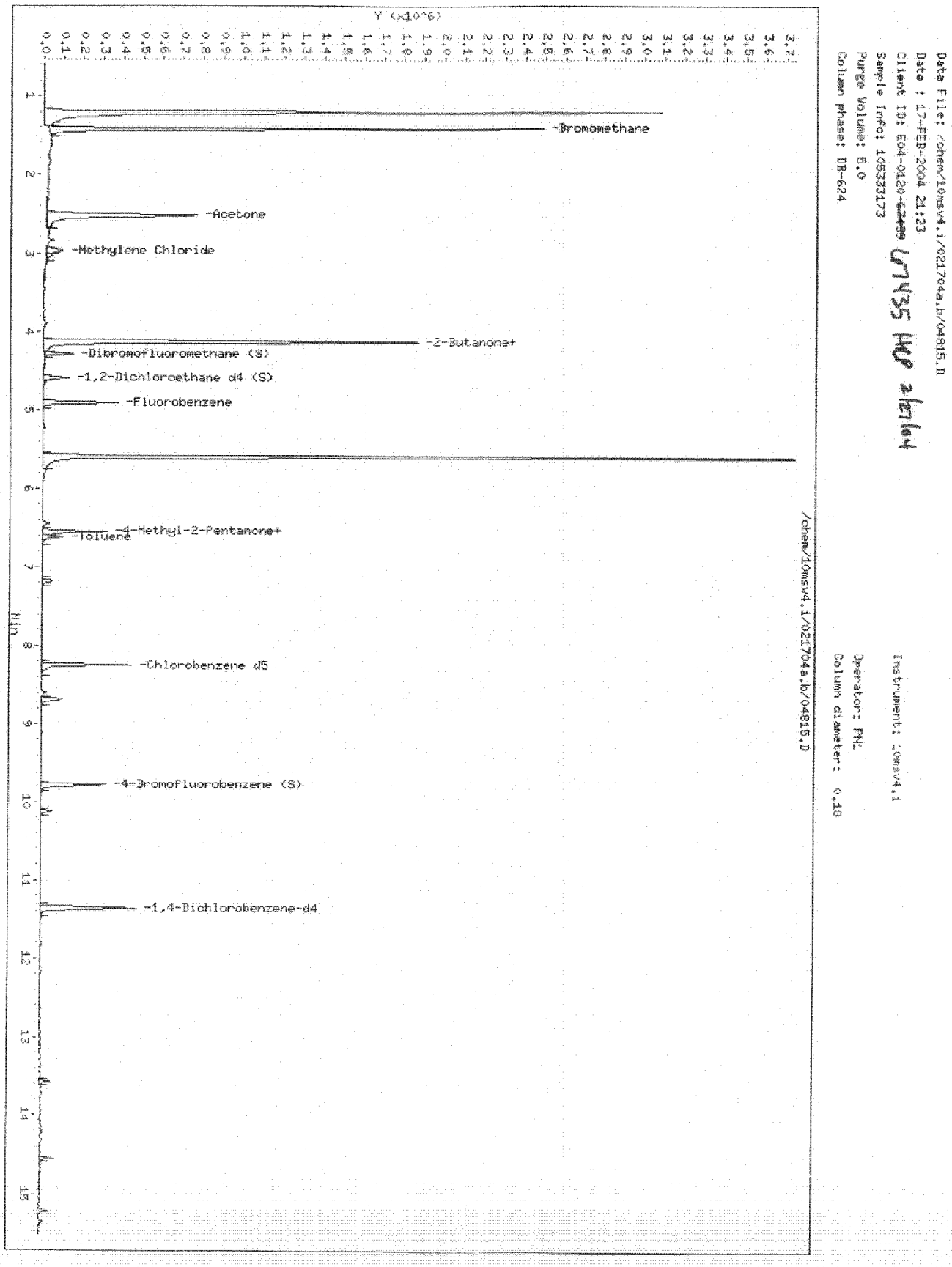
CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Data File: /chem/10msv4.i/021704a.b/04815.D
Report Date: 27-Feb-2004 10:13

		CONCENTRATIONS			QUANT		
RT	AREA	ON COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	==========	==========	====	=======	=========	======
Dodecane					CAS #: 112-40-3		
13.573	84053	1.65402189	1.6	91	NBS75K.1	68254	97(L)
Tridecane					CAS #: 629-50-5		
14.565	101129	1.99005500	2.0	91	NBS75K.1	69019	87(L)

QC Flag Legend

L - Operator selected an alternate library search match.



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

3M_MN01538561

Data File: /chem/10msv4.i/021704a.b/04816.D
Report Date: 27-Feb-2004 10:13

Pace Analytical Services, Inc. - Minnesota

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: 3M ENV
Lab Smp Id: 105333181
Operator : PN1
Sample Location:
Sample Matrix: WATER
Analysis Type: VOA

Client SDG: 021704a
Client Smp ID: E04-0120-67442
Sample Date: 12-FEB-2004
Sample Point:
Date Received: 13-FEB-2004 00:00
Level: LOW

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

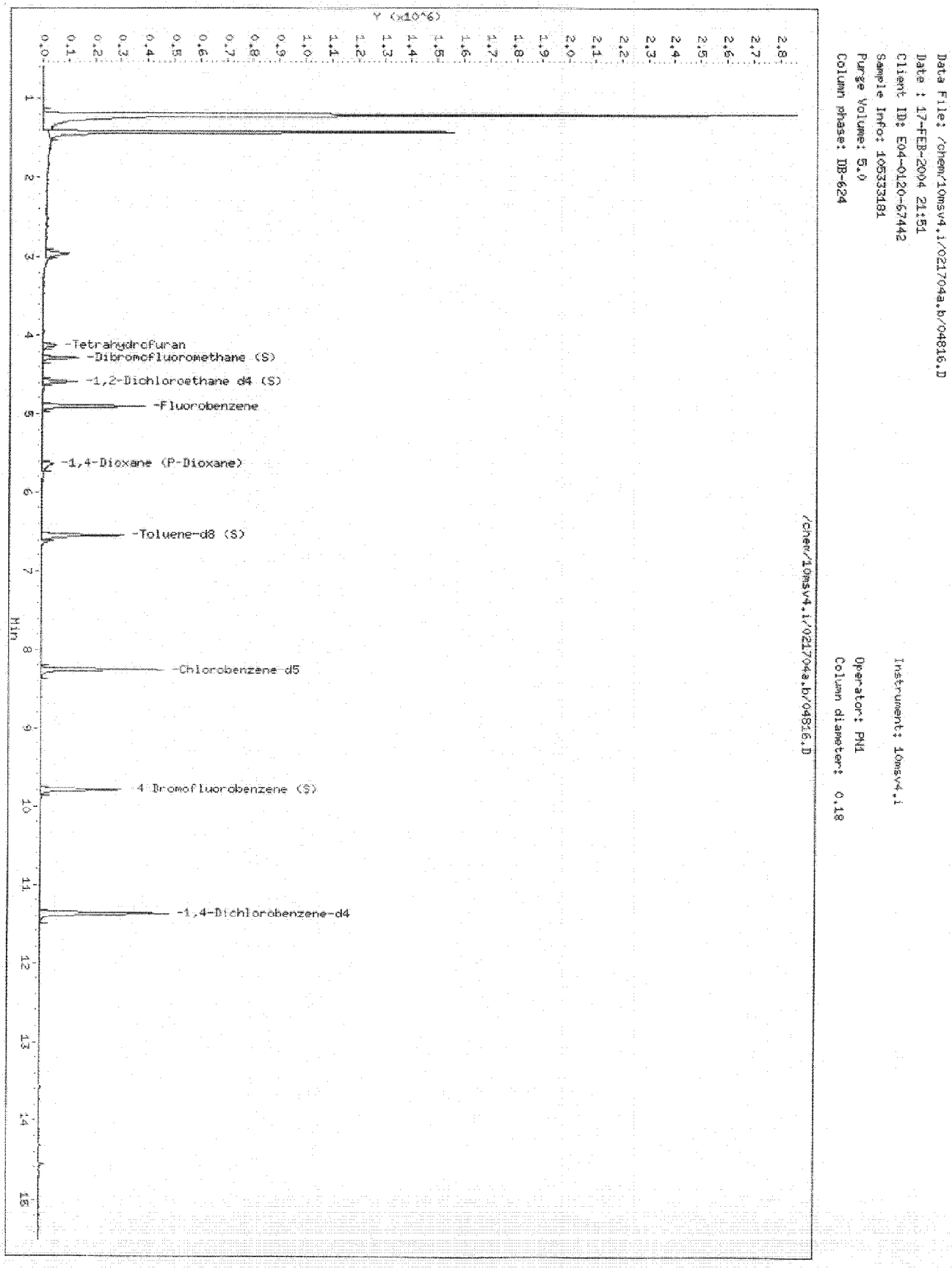
Data File: /chem/10msv4.i/021704a.b/04816.D
Report Date: 27-Feb-2004 10:13

Pace Analytical Services, Inc. - Minnesota

8260B VOLATILE REPORT

Data file	: /chem/10msv4.i/021704a.b/04816.D		
Lab Smp Id:	105333181	Client Smp ID:	E04-0120-67442
Inj Date	: 17-FEB-2004 21:51		
Operator	: PN1	Inst ID:	10msv4.i
Smp Info	: 105333181		
Misc Info	:		
Comment	: 8260B VOLATILE REPORT		
Method	: /var/chem/10msv4.i/021704a.b/V0404040.m		
Meth Date	: 23-Feb-2004 20:47 pnguyen	Quant Type:	ISTD
Cal Date	: 10-FEB-2004 02:45	Cal File:	04007.D
Als bottle:	16		
Dil Factor:	1.00000		
Integrator:	HP RTE	Compound Sublist:	all.sub
Target Version:	3.50		

- NO TENTATIVELY IDENTIFIED COMPOUNDS -


Data File: /chem/10msv4.i/021704a.b/04816.D
Date : 17-FEB-2004 21:51
Client ID: E04-0120-67442
Sample Info: 10533181
Purge Volume: 5.0
Column phase: DB-624
Instrument: 10msv4.i
Operator: PM1
Column diameter: 0.18
/chem/10msv4.i/021704a.b/04816.D
Y (x10^6)
Min
-Tetrahydrofuran
-Dibromofluoromethane (S)
-1,2-Dichloroethane d4 (S)
-Fluorobenzene
-1,4-Dioxane (P-Dioxane)
-Toluene-d8 (S)
-Chlorobenzene-d5
-4 Bromofluorobenzene (S)
-1,4-Dichlorobenzene-d4

Data File: /chem/10msv4.i/021704a.b/04816.D
Report Date: 27-Feb-2004 10:13

Pace Analytical Services, Inc. - Minnesota

8260B VOLATILE REPORT

Data file : /chem/10msv4.i/021704a.b/04816.D
Lab Smp Id: 105333181 Client Smp ID: E04-0120-67442
Inj Date : 17-FEB-2004 21:51
Operator : PN1 Inst ID: 10msv4.i
Smp Info : 105333181
Misc Info :
Comment : 8260B VOLATILE REPORT
Method : /var/chem/10msv4.i/021704a.b/V0404040.m
Meth Date : 23-Feb-2004 20:47 pnguyen Quant Type: ISTD
Cal Date : 10-FEB-2004 02:45 Cal File: 04007.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Data File: /chem/10msv4.i/021704a.b/04813.D
Report Date: 15-Mar-2004 12:28

Pace Analytical Services, Inc. - Minnesota

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: 3M ENV
Lab Smp Id: 105333157
Operator : PN1
Sample Location:
Sample Matrix: WATER
Analysis Type: VOA

Client SDG: 021704a
Client Smp ID: E04-0120-67439
Sample Date: 12-FEB-2004
Sample Point:
Date Received: 13-FEB-2004 00:00
Level: LOW

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	463-58-1	Unknown	1.419	96	NJ
2.	75-65-0	Unknown	2.964	8.0	NJ
3.		Unknown	3.031	2.4	J
4.	123-91-1	1,4-Dioxane	5.647	4.1	NJ

Data File: /chem/10msv4.i/021704a.b/04813.D
Report Date: 15-Mar-2004 12:28

Pace Analytical Services, Inc. - Minnesota

8260B VOLATILE REPORT

Data file : /chem/10msv4.i/021704a.b/04813.D
Lab Smp Id: 105333157 Client Smp ID: E04-0120-67439
Inj Date : 17-FEB-2004 20:28
Operator : PN1 Inst ID: 10msv4.i
Smp Info : 105333157
Misc Info :
Comment : 8260B VOLATILE REPORT
Method : /chem/10msv4.i/021704a.b/V0404040.m
Meth Date : 15-Mar-2004 12:17 rschnobr Quant Type: ISTD
Cal Date : 10-FEB-2004 02:45 Cal File: 04007.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpchems2

Concentration Formula: Amt * DF * Uf * 1/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
Vo	5.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 43 Fluorobenzene	4.905	677744	20.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #: 463-58-1			
1.419	3247133	95.8217074	96	5	NBS75K.1	112	43
Unknown				CAS #: 75-65-0			
2.964	271272	8.00515114	8.0	64	NBS75K.1	62572	43
Unknown				CAS #:			
3.031	80930	2.38879060	2.4	0		0	43

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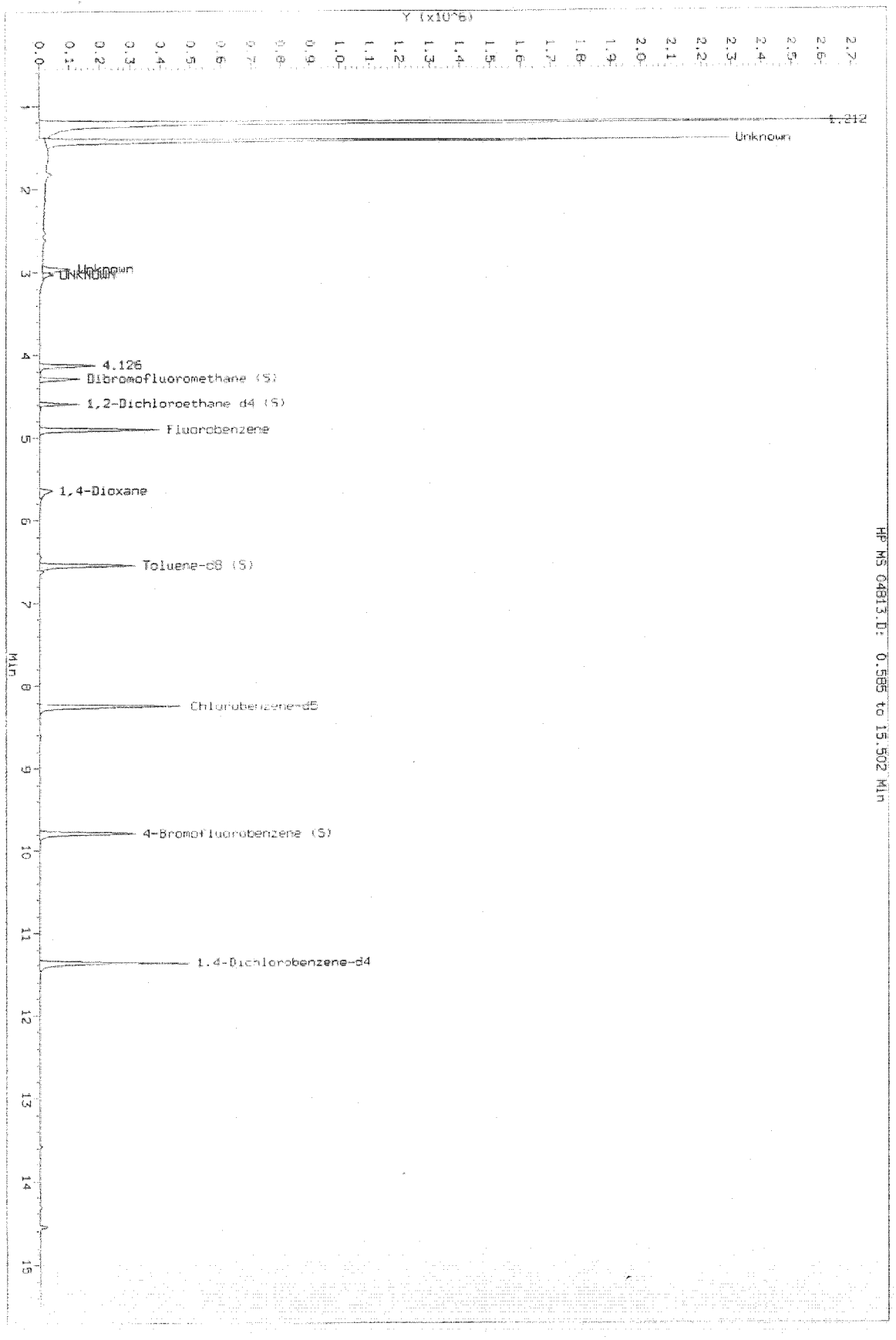
Data File: /chem/10msv4.i/021704a.b/04813.D
Report Date: 15-Mar-2004 12:28

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ug/L)	FINAL ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	==========	==========	====	=======	=========	======
1,4-Dioxane					CAS #: 123-91-1		
5.647	137742	4.06471227	4.1	86	NBS75K.l	62898	43(L)

QC Flag Legend

L - Operator selected an alternate library search match.


Data file: /chem/10msv4.i/021704a.b/04813.D
Injection Date: 17-FEB-2004 20:28
Instrument: 10msv4.i
Client Sample ID: E04-0120-67439
Y (x10^6)
4.312
Unknown
Unknown
UNKNOWN
4.126
Dibromofluoromethane (S)
1,2-Dichloroethane d4 (S)
Fluorobenzene
1,4-Dioxane
Toluene-d8 (S)
Chlorobenzene-d5
4-Bromofluorobenzene (S)
1,4-Dichlorobenzene-d4
Min
HP MS 04813.D: 0.585 to 15.502 Min

Data File: /chem/10msv4.i/021704a.b/04816.D
Report Date: 27-Feb-2004 10:13

Pace Analytical Services, Inc. - Minnesota

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: 3M ENV
Lab Smp Id: 105333181
Operator : PN1
Sample Location:
Sample Matrix: WATER
Analysis Type: VOA

Client SDG: 021704a
Client Smp ID: E04-0120-67442
Sample Date: 12-FEB-2004
Sample Point:
Date Received: 13-FEB-2004 00:00
Level: LOW

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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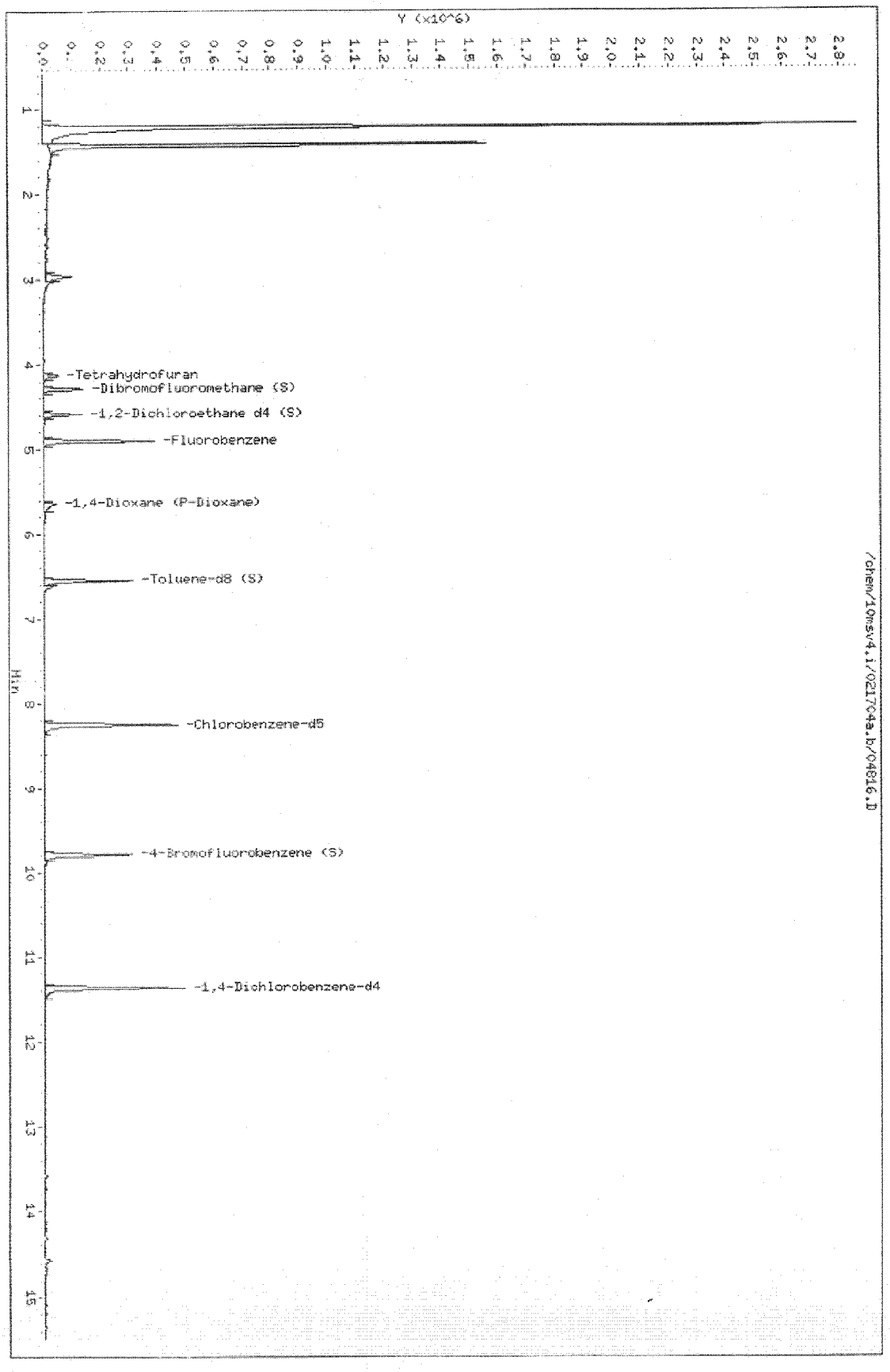
Y (x10^6)
Min
-Tetrahydrofuran
-Dibromofluoromethane (S)
-1,2-Dichloroethane d4 (S)
-Fluorobenzene
-1,4-Dioxane (P-Dioxane)
-Toluene-d8 (S)
-Chlorobenzene-d5
-4-Bromofluorobenzene (S)
-1,4-Dichlorobenzene-d4
/chem/10msv4.i/021704a.b/04816.D
Data File: /chem/10msv4.i/021704a.b/04816.D
Date : 17-FEB-2004 21:51
Client ID: E04-0120-67442
Sample Info: 106333181
Purge Volume: 5.0
Column phase: DB-624
Instrument: 10msv4.i
Operator: PH1
Column diameter: 0.18

Fluorochemicals
FINAL REPORT
EVENT 1

E04-0120
February 12, 2004

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HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Exygen™ RESEARCH
Precise Research. Proven Results.

Analytical Report

Fluorochemical Characterization of Aqueous Samples

Cottage Grove Activated Carbon System FC Monitoring (E04-0120)

Exygen Research Laboratory Report No. L0001874

Testing Laboratory

Exygen Research
3058 Research Drive
State College, PA 16801

Project Lead

Jess Eldridge
3M Environmental Technology and Safety Services
935 Bush Avenue
Building 0002-03-E-09
PO Box 33331
St. Paul, MN 55133-3331

3058 Research Drive
State College, PA 16801, USA
T: 800.281.3219
F: 814.272.1019
exygen.com

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1 Introduction

Results are reported for the analysis of aqueous samples received by Exygen Research (Exygen) from the 3M Cottage Grove facility. The Exygen study number assigned to the project is L0001874.

Specific fluorochemical characterization by liquid chromatography / tandem mass spectrometry (LC/MS/MS) was requested for all samples. A total of 23 samples (including field duplicates, blanks, and spikes) were received for analysis.

The samples were prepared and analyzed by LC/MS/MS for the following list of fluorochemicals:

- Table 1: Target Analysis

Compound Name	Acronym
Perfluorobutanesulfonate	C4 Sulfonate (PFBS)
Perfluorohexanesulfonate	C6 Sulfonate (PFHS)
Perfluorooctanesulfonate	C8 Sulfonate (PFOS)
Perfluorohexanoic Acid	C6 Acid (PFHA)
Perfluorooctanoic Acid	C8 Acid (PFOA)

The analytical methods used were originally developed for groundwater samples and were validated by Exygen. The validation protocol and results are on file with Exygen. Only the C8 Sulfonate and C8 Acid were included in the original method validation. It should be noted that the quality control elements included in this analysis demonstrate the applicability of the method to the additional analytes.

2 Sample Receipt

The water samples were submitted in plastic containers. Samples were received on wet ice at a temperature of 0.1°C. Samples were stored at 4°C from receipt until analysis. Twenty-three individual containers were received. Field samples were collected on 2/12/04. Samples were received on 2/13/04. Chain-of-custody information is presented in Attachment C.

3 Holding Times

Field and laboratory spikes of these fluorochemicals have shown stability for periods greater than 90 days. Samples were analyzed within 30 days of collection.

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4 Methods - Analytical and Preparatory

4.1 LC/MS/MS

4.1.1 Sample Preparation for LC/MS/MS Analysis

Water samples were initially treated with 200 uL of 250 mg/L sodium thiosulfate solution to remove residual chlorine. Solid phase extraction (SPE) was used to prepare the samples for LC/MS/MS analysis. A portion of sample was diluted to forty-milliliters with Type I water. The dilution was performed prior to extraction in order to lessen the effects of matrix enhancement. This matrix enhancement was observed in earlier samples from this location and from screening runs performed on these samples. The diluted samples were transferred to a C_{18} SPE cartridge. The cartridge was eluted with 5 mL of 100% methanol. This treatment resulted in an eight-fold concentration of the diluted samples prior to analysis.

4.1.2 Sample Analysis by LC/MS/MS

In HPLC, an aliquot of extract is injected and passed through a liquid-phase chromatographic column. Based on the affinity of the analyte for the stationary phase in the column relative to the liquid mobile phase, the analyte is retained for a characteristic amount of time. Following HPLC separation, ES/MS provides a rapid and accurate means for analyzing a wide range of organic compounds, including fluorochemicals. Electrospray is generally operated at relatively mild temperatures; molecules are ionized, fragmented, and detected. Ions characteristic of known fluorochemicals are observed and quantitated against standards.

A Hewlett-Packard HP1100 HPLC system coupled to a Micromass Ultima MS/MS was used to analyze the sample extracts. Analysis was performed using selected reaction monitoring (SRM). Samples were extracted on 2/18/04 and analyzed between 2/20/04 and 3/2/04. Raw analytical data is provided in Attachment D.

5 Analysis

5.1 Calibration

A 7-point calibration curve was analyzed at the beginning and end of the analytical sequence for the compounds of interest. The calibration points were prepared at 0, 25, 50, 100, 250, 500, and 1000 ng/L (ppt) for LC/MS/MS analysis. The instrument response versus the concentration was plotted for each point. Using linear regression with 1/x weighting, the slope, y-intercept and correlation coefficient (r) and coefficient of determination (r^2) were determined. A calibration curve is acceptable if $r \geq 0.985$ ($r^2 \geq 0.970$).

Calibration standards are prepared using the same SPE procedure used for samples.

Calibration check standards were analyzed periodically (every three to five sample injections) throughout the analysis sequence. Compliance is obtained if the standard analyte concentrations are within +/-20% of the actual value.

All calibration criteria were met for this analysis.

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5.2 Blanks

Extraction blanks were prepared and analyzed with every extraction batch of samples. The extraction blanks should not have any target analytes present at or above the concentration of the low-level calibration standard. For these samples, the extraction blanks were compliant.

Instrument blanks in the form of clean methanol solvent were also analyzed after every high-level calibration standard, and after known high-level samples. Again, the blanks should not have any target analytes present at or above the low-level calibration standard. For the samples presented here the instrument blanks are compliant.

5.3 Surrogates

Surrogate spikes are not a component of the LC/MS/MS analytical methods.

5.4 Matrix Spikes

Field and laboratory spikes were prepared using all compounds of interest. Field spikes were prepared by adding a measured volume of field sample to a container spiked with the target analytes by the laboratory prior to shipping containers for sample collection. Laboratory spikes consisted of aliquots of un-spiked field samples that were fortified at the laboratory at the time of extraction. Field blank spikes consisted of laboratory water fortified at the laboratory and shipped with the sample containers to the field and back to the laboratory for analysis. Laboratory control spikes (see section 5.6) are samples of laboratory water spiked at the time of extraction. Each type of spike provides information needed to assess analyte stability, extraction efficiency, and matrix effects that may impact analytical results. Matrix spike recoveries are given in Attachment B. Please see Section 5.7 for additional discussion of matrix spike recoveries.

5.5 Duplicates

Field and laboratory duplicates were prepared for each field sample. Duplicate results are given along with the sample results in Attachment A.

5.6 Laboratory Control Samples

For LC/MS/MS analyses, Milliq water was spiked with all compounds of interest at 100 and 500 ng/mL during each extraction set. All recoveries for all compounds were between 70-130% in each LCS. Results are given along with the raw data in Attachment D.

5.7 Statement of Accuracy

Based on results of field spikes, laboratory fortified field samples, field blank spikes, and laboratory control spikes, the analytical accuracy of all compounds except PFBS is ± 30%. All field blank spikes, laboratory control spikes and laboratory matrix spikes for all compounds except PFBS showed recoveries between 70% and 130% except in cases where the spiking level was significantly below the sample concentration with the following exceptions. Laboratory spikes for PFHA showed high recoveries. Also, the laboratory spike for Influent 3 showed a low recovery (44%) for PFHS. Results for PFBS are therefore not quantitative and should be used as screening data quality only. All spike data are reported in the data tables.

6 Data Summary

Please see Attachment A for a detailed listing of the analytical results. Results are reported in parts per billion (ppb) (ng/mL).

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7 *Data/Sample Retention*

Samples are disposed of one month after the report is issued unless otherwise specified. All electronic data is archived on retrievable media and hard copy reports are stored in data folders maintained by Exygen.

8 *Attachments*

8.1 Attachment A: Results

8.2 Attachment B: Matrix Spike Recoveries

8.3 Attachment C: Chain of Custody

8.4 Attachment D: Raw Analytical Data

9 *Signatures*

Paul Connolly, Team Leader - LCMS — Date 3/3/04

John M. Flaherty, Vice President — Date 3/3/04

Other Lab Members Contributing to Data

Karen Smith

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SECTION A

Exygen™ RESEARCH
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Analytical Report

Summary of C6 and C8 Acids and C4, C6 and C8 Sulfonates in Water Samples

	Analyte Found (ng/mL)	
	C6 Acid PFHA	C8 Acid PFOA
Sample ID	Perfluorohexanoic Acid	Perfluorooctanoic Acid
Influent 3	53.0	278
Influent 3*	47.1	281
Influent 3 Dup	45.2	269
Comb Effluent	0.0871	ND
Comb Effluent*	0.0828	ND
Comb Effluent Dup	0.0746	ND
Port 4A	25.5	7.38
Port 4A*	26.4	6.81
Port 4A Dup	28.2	8.41
Effluent 4	ND	ND
Effluent 4*	ND	ND
Effluent 4 Dup	ND	ND
Influent 1/2	8.59	13.5
Influent 1/2*	8.24	11.5
Influent 1/2 Dup	8.39	12.2
Trip Blank	ND	ND

	Analyte Found (ng/mL)		
	C4 Sulfonate PFBS	C6 Sulfonate PFHS	C8 Sulfonate PFOS
Sample ID	Perfluorobutanesulfonate	Perfluorohexanesulfonate	Perfluorooctanesulfonate
Influent 3	86.6	6.90	59.8
Influent 3*	75.2	6.90	56.3
Influent 3 Dup	67.1	7.28	45.4
Comb Effluent	0.0544	ND	ND
Comb Effluent*	0.0600	ND	ND
Comb Effluent Dup	NQ	ND	ND
Port 4A	70.0	2.19	3.10
Port 4A*	68.3	2.17	2.85
Port 4A Dup	72.4	2.53	3.52
Effluent 4	ND	ND	ND
Effluent 4*	ND	ND	ND
Effluent 4 Dup	ND	ND	ND
Influent 1/2	145	4.54	6.60
Influent 1/2*	127	4.23	5.94
Influent 1/2 Dup	132	4.49	6.41
Trip Blank	ND	ND	ND

ND = Not detected = Response between 0 and 0.025 ng/mL.
NQ = Not quantifiable = Response between 0.025 ng/mL and LOQ (0.050 ng/mL)
*Laboratory Duplicate

3058 Research Drive
State College, PA 16801, USA
T: 814.272.1039
F: 814.231.1580
exygen.com

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STANDARD TERMS AND CONDITIONS

Services provided by Exygen Research are limited to the terms and conditions stated herein, unless otherwise agreed to in a formal contract.

CONFIDENTIALITY—Exygen Research ("Exygen," "us," or "we") maintains the strictest confidentiality in all of our client interactions. If a signed confidentiality agreement is required, we will provide one. If a regulatory or legal body subpoenas information, the client will be notified promptly. The client agrees not to use Exygen's name and/or data in any manner that might cause harm to Exygen's reputation or business. Approval must be obtained, in writing, before Exygen's name can be published in any way.

CONTRACTS—All contracts are subject to review and approval by Exygen's legal council and must be signed by a corporate officer.

PAYMENT TERMS—Unless otherwise set forth in this Purchase Order, terms of payment are "Net 30 Days." The time allowable for payment shall begin after both: (a) client's receipt of Exygen's invoice; and (b) the satisfactory performance of the services contemplated hereunder. A 1.5% monthly service charge shall be added to all past due balances. Notwithstanding any payment terms to the contrary set forth in this Purchase Order, Exygen, in its sole discretion, reserves the right to request payment in advance from client. In the event of default in payment for services rendered, Exygen shall be entitled to reasonable costs of collection, including, but not limited to, attorneys' fees.

BILLING—All fees and charges are billed directly to the client requesting services. Exygen will not bill a third party without prior notification in writing, via a signed statement acknowledging and accepting responsibility for payment. Exygen will assume that the paperwork submitted with a sample describes the desired testing protocol. Any changes to the protocol must be submitted in writing. Please fax changes to Exygen marked, "URGENT" to your assigned representative. If changes are made after the originally requested testing has been initiated or completed, the client accepts responsibility for payment. Exygen will not be responsible for hold times that are missed due to such changes.

RUSH SERVICE—Exygen routinely offers expedited turnaround times on critical analyses. Rush analysis services are contingent upon availability and prearrangement with an authorized Exygen representative. A surcharge is usually added to the list fee if rush analysis is requested.

MINIMUM FEE—The minimum fee for commercial services is one hundred dollars ($100).

SAMPLE COLLECTION/SUBMISSION—Client shall be responsible for proper collection, preservation, packing and packaging, and shipment of the sample(s) in accordance with applicable law and good commercial practice. Title and risk of loss with respect to submitted samples shall at all times remain with client prior to acceptance by an Exygen sample custodian. Exygen will initiate a chain-of-custody upon sample receipt unless the client includes one with the sample(s). By request, Exygen will provide chain-of-custody forms for client's use.

All samples submitted must be accompanied by: purchase order, or signed quotation; sample description, including sample type, source, time and date of collection; specific analyses requested; estimated concentration levels; requested report date; current billing address; and other relevant information.

Upon request, Exygen will provide and ship appropriate sample containers to clients. These containers will include the appropriate preservative if particular analyses require one. It is the responsibility of the client to handle these preserved containers safely, and using all appropriate safety precautions. Clients requesting overnight delivery of sample containers will be invoiced for freight. Exygen reserves the right to charge a fee for sample containers.

SAMPLE DISPOSAL—Exygen retains samples for one month after reporting results, then disposes of or returns the sample. Unless the client requests that the sample(s) be returned, or prior arrangements have been made for long-term storage, Exygen shall dispose of the sample(s). Exygen shall charge a monthly fee for long-term storage. Samples found or suspected to contain hazardous waste, according to definitions in state and /or federal guidelines, will be returned to the client upon completion of the analysis. The cost of returning the sample(s) will be invoiced to the client. Exygen reserves the right to charge a disposal fee for the disposal of any and all samples unless returned by Exygen to client. Exygen shall, unless the nature and character of the sample dictates otherwise, store all samples under locked, temperature-controlled conditions. An internal chain-of-custody is maintained for each lot of samples received.

HAZARD COMMUNICATION—The client has the responsibility to inform the laboratory of any known or suspected hazardous characteristics of the sample, and to provide information on hazard prevention and personal protection as necessary or otherwise required by applicable law.

QUALITY ASSURANCE—Exygen will perform services consistent with its Quality Assurance Standard Operating Procedures (SOPs), the terms of which are expressly incorporated herein by reference; provided, however, it shall be the exclusive responsibility of the client to confirm that Exygen's standard practices will meet the client's needs prior to placing an order for work. In the event client desires an alternative to these SOPs, such requests must be made in writing prior to sample submission and acceptance by Exygen.

ETHICS POLICY—Exygen Research strives to provide its clients with the highest quality data in the fastest realistic turnaround time. We balance the high standards of this goal by insisting that each employee also perform within the guidelines of the highest possible professional ethics. Each Exygen employee is required to sign a statement of personal and professional integrity.

SPECIAL REPORTS—Additional charges may be necessary for custom report formats.

LITIGATION—All costs associated with compliance to any subpoena for documents, for testimony in a court of law, or for any other purpose relating to work performed by Exygen Research shall be invoiced by Exygen and paid by client. These costs shall include, but are not limited to, hourly charges for the persons involved, travel, mileage, and accommodations, and for any and all other expenses associated with said litigation.

INDEMNIFICATION, LIABILITY, AND INSURANCE—Exygen agrees to indemnify, defend, and save the client, its officers, directors, employees, agents, and representatives harmless from all losses, expenses, demands, and claims made against the client, its officers, directors, employees, agents and representatives because of any personal injuries, death, or property damage to the extent caused by the negligence or willful misconduct of Exygen, its employees, agents, or representatives in connection with the performance of services under this agreement, except to the extent such losses, expenses, demands, or claims, occur as a result of the negligent or willful acts or omissions of the client, its officers, directors, employees, agents, and representatives; however, such indemnification and damages shall, in the aggregate, be limited to the amount equal to the lesser of (a) damages suffered by the client as the direct result thereof, or (b) the total amount paid to Exygen for the work herein covered. Exygen will, if requested by the client, furnish certificates of insurance from its carrier evidencing appropriate insurance coverage.

WARRANTY AND LIMITS OF LIABILITY—In accepting analytical work, Exygen guarantees the accuracy of the test results for the sample as submitted within the tolerances set forth in the SOPs. We disclaim any other warranties, expressed or implied by law. Exygen does not accept any legal responsibility for the purposes for which client uses the test results. Exygen will not accept any purchase order or any other order for work that includes conditions that vary from these Standard Conditions.

ACCEPTANCE OF PURCHASE ORDER—This Purchase Order becomes a binding agreement, subject to the specific terms and conditions stated herein, upon Exygen's commencement of work.

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Recovery Summary for C6 and C8 Acids and C4, C6 and C8 Sulfonates in Water

Sample Description	C6 Acid PFHA				C8 Acid PFOA		
	Amount Spiked (ng/mL)	Amt Found in Sample (ng/mL)	Amount Recovered (ng/mL)	Recovery (%)	Amt Found in Sample (ng/mL)	Amount Recovered (ng/mL)	Recovery (%)
Influent 3 Low Spk 10 ppb Spike	10	53.0	54.6	^	278	276	^
Influent 3 High Spk 100 ppb Spike	100	53.0	156	103	278	369	91
Influent 3 Spk C Laboratory Spike	10	53.0	35.7	^	278	189	^
Comb Effluent Low Spk 10 ppb Spike	10	0.0871	11.2	111	ND	9.38	94
Comb Effluent High Spk 100 ppb Spike	100	0.0871	87.6	88	ND	71.9	72
Comb Effluent Spk D Laboratory Spike	10	0.0871	15.6	155	ND	11.5	115
Port 4A Low Spk 10 ppb Spike	10	25.5	38.5	130	7.38	16.8	94
Port 4A High Spk 100 ppb Spike	100	25.5	142	117	7.38	90.5	83
Port 4 A Spk E Laboratory Spike	10	25.5	40.6	151	7.38	18.3	109
Effluent 4 Low Spk 10 ppb Spike	10	ND	12.0	120	ND	9.95	100
Effluent 4 High Spk 100 ppb Spike	100	ND	124	124	ND	105	105
Effluent 4 Spk F Laboratory Spike	10	ND	15.8	158	ND	11.8	118
Influent 1/2 Low Spk 10 ppb Spike	10	8.59	19.6	110	13.5	21.9	84
Influent 1/2 High Spk 100 ppb Spike	100	8.59	118	109	13.5	94.1	81
Influent 1/2 Spk G Laboratory Spike	10	8.59	25.7	171	13.5	26.5	130
Trip Blank Low Spk 10 ppb Spike	10	ND	10.1	101	ND	7.82	78
Trip Blank High Spk 100 ppb	100	ND	99.1	99	ND	81.6	82

ND = Not detected = Response between 0 and 0.025 ng/mL.
NQ = Not quantifiable = Response between 0.025 ng/mL and LOQ (0.050 ng/mL)
^Sample residue exceeded the spiking level significantly; therefore an accurate recovery cannot be calculated.

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Recovery Summary for C6 and C8 Acids and C4, C6 and C8 Sulfonates in Water

Sample Description	C4 Sulfonate PFBS				C6 Sulfonate PFHS			C8 Sulfonate PFOS		
	Amount Spiked (ng/mL)	Amt Found in Sample (ng/mL)	Amount Recovered (ng/mL)	Recovery (%)	Amt Found in Sample (ng/mL)	Amount Recovered (ng/mL)	Recovery (%)	Amt Found in Sample (ng/mL)	Amount Recovered (ng/mL)	Recovery (%)
Influent 3 Low Spk 10 ppb Spike	10	86.6	99.2	126	6.90	17.2	103	59.8	46.1	^
Influent 3 High Spk 100 ppb Spike	100	86.6	281	194	6.90	115	108	59.8	146	86
Influent 3 Spk C Laboratory Spike	10	86.6	39.3	^	6.90	11.3	44	59.8	46.3	^
Comb Effluent Low Spk 10 ppb Spike	10	0.0544	12.9	128	ND	10.5	105	ND	10.2	102
Comb Effluent High Spk 100 ppb Spike	100	0.0544	111	111	ND	80.7	81	ND	87.4	87
Comb Effluent Spk D Laboratory Spike	10	0.0544	15.2	151	ND	9.22	92	ND	7.89	79
Port 4A Low Spk 10 ppb Spike	10	70.0	92.2	^	2.19	13.9	117	3.10	11.4	83
Port 4A High Spk 100 ppb Spike	100	70.0	274	204	2.19	116	114	3.10	86.3	83
Port 4 A Spk E Laboratory Spike	10	70.0	84.7	^	2.19	10.5	83	3.10	11.7	86
Effluent 4 Low Spk 10 ppb Spike	10	ND	20.8	208	ND	10.4	104	ND	9.00	90
Effluent 4 High Spk 100 ppb Spike	100	ND	154	154	ND	122	122	ND	92.2	92
Effluent 4 Spk F Laboratory Spike	10	ND	14.7	147	ND	8.05	81	ND	7.80	78
Influent 1/2 Low Spk 10 ppb Spike	10	145	135	^	4.54	14.7	102	6.60	15.3	87
Influent 1/2 High Spk 100 ppb Spike	100	145	263	118	4.54	101	96	6.60	106	99
Influent 1/2 Spk G Laboratory Spike	10	145	160	^	4.54	14.1	96	6.60	17.2	106
Trip Blank Low Spk 10 ppb Spike	10	ND	8.22	82	ND	9.36	94	ND	11.3	113
Trip Blank High Spk 100 ppb	100	ND	75.6	76	ND	104	104	ND	109	109

ND = Not detected = Response between 0 and 0.025 ng/mL.
NQ = Not quantifiable = Response between 0.025 ng/mL and LOQ (0.050 ng/mL)
^Sample residue exceeded the spiking level significantly; therefore an accurate recovery cannot be calculated.

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SECTION B

SECTION C

Exygen® RESEARCH
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State College, PA 16801
Phone: 814-272-1039
Fax: 814-231-1580

Login

Login Group: L0001874

Login #:	1984	Conform COC Sample:	True
Project:	P0000644	Conform COC:	True
		Conform Sample:	True
Company Name:	3M	Conform Request:	True
Submitted By:	KENT LINDSTROM		
Login Type:	Immediate Receipt of Samples		
Started:	T		
Date Start:	02/16/2004		
Due Date:	03/01/2004		
Received Date:	02/13/2004		
Received By:	AMMERMAN, MARK		
Spread Sample:			
Label:			
Project Title/Type:	Cottage Grove Activated Carbon System Fluorochemical Monitoring / ROUTINE		
Exygen SD/PI:	RISHA, KAREN		
Login Notes:			
Conform Notes:			

Packages / Containers

Package	Carton	Mail Date / Condition	Shipper / ID	Temp. Control/Temp.	Direction / Handled By
PK0002470		2/13/2004 11:45:28PM Package & Contents Uncompromised	FEDEX 316801441100000179257O 728697201	Wet Ice 0.1	RECEIVED AMMERMAN, MARK

Container #	Gross Weight	pH	Container Type	Preservative	Mfg. Lot	Mfg. ID
C0027262	613.8 g		500 ml Clear Plastic Narrow	NONE		
C0027263	603.6 g		500 ml Clear Plastic Narrow	NONE		
C0027264	255.5 g		500 ml Clear Plastic Narrow	NONE		
C0027265	254.1 g		500 ml Clear Plastic Narrow	NONE		
C0027266	600.9 g		500 ml Clear Plastic Narrow	NONE		
C0027267	603.4 g		500 ml Clear Plastic Narrow	NONE		
C0027268	254.5 g		500 ml Clear Plastic Narrow	NONE		
C0027269	250.1 g		500 ml Clear Plastic Narrow	NONE		
C0027270	596.2 g		500 ml Clear Plastic Narrow	NONE		
C0027271	591.3 g		500 ml Clear Plastic Narrow	NONE		
C0027272	252.6 g		500 ml Clear Plastic Narrow	NONE		
C0027273	257.8 g		500 ml Clear Plastic Narrow	NONE		
C0027274	598.7 g		500 ml Clear Plastic Narrow	NONE		
C0027275	599.2 g		500 ml Clear Plastic Narrow	NONE		
C0027276	266.2 g		500 ml Clear Plastic Narrow	NONE		
C0027277	267.2 g		500 ml Clear Plastic Narrow	NONE		

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Login

Login Group: L0001874

Login #:	1984	Conform COC Sample:	True
Project:	P0000644	Conform COC:	True
		Conform Sample:	True
Company Name:	3M	Conform Request:	True
Submitted By:	KENT LINDSTROM		
Login Type:	Immediate Receipt of Samples		
Started:	T		
Date Start:	02/16/2004		
Due Date:	03/01/2004		
Received Date:	02/13/2004		
Received By:	AMMERMAN, MARK		
Spread Sample:			
Label:			
Project Title/Type:	Cottage Grove Activated Carbon System Fluorochemical Monitoring / ROUTINE		
Exygen SD/PI:	RISHA, KAREN		
Login Notes:			
Conform Notes:			

Packages / Containers

Package	Carton	Mail Date / Condition	Shipper / ID	Temp. Control/Temp.	Direction / Handled By
PK0002470		2/13/2004 11:45:28PM Package & Contents Uncompromised	FEDEX 316801441100000179257O 728697201	Wet Ice 0.1	RECEIVED AMMERMAN, MARK

Container #	Gross Weight	pH	Container Type	Preservative	Mfg. Lot	Mfg. ID
C0027278	591.3 g		500 ml Clear Plastic Narrow	NONE		
C0027279	600.7 g		500 ml Clear Plastic Narrow	NONE		
C0027280	258.2 g		500 ml Clear Plastic Narrow	NONE		
C0027281	265.1 g		500 ml Clear Plastic Narrow	NONE		
C0027282	251.3 g		500 ml Clear Plastic Narrow	NONE		
C0027283	253.3 g		500 ml Clear Plastic Narrow	NONE		
C0027284	252.8 g		500 ml Clear Plastic Narrow	NONE		

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3M_MN01538586

1937.0200

Login

Samples

Sample ID	Matrix	Fraction	Sample	Date Sampled	Date Received	Date Due
L0001874-0001	LIQUID	Water	Influent 3	02/12/2004	02/13/2004	03/01/2004
L0001874-0002	LIQUID	Water	Influent 3 Dup	02/12/2004	02/13/2004	03/01/2004
L0001874-0003	LIQUID	Water	Influent 3 Low Spike	02/12/2004	02/13/2004	03/01/2004
L0001874-0004	LIQUID	Water	Influent 3 High Spike	02/12/2004	02/13/2004	03/01/2004
L0001874-0005	LIQUID	Water	Comb Effluent	02/12/2004	02/13/2004	03/01/2004
L0001874-0006	LIQUID	Water	Comb Effluent Dup	02/12/2004	02/13/2004	03/01/2004
L0001874-0007	LIQUID	Water	Comb Effluent Low Spike	02/12/2004	02/13/2004	03/01/2004
L0001874-0008	LIQUID	Water	Comb Effluent High Spike	02/12/2004	02/13/2004	03/01/2004
L0001874-0009	LIQUID	Water	Port 4A	02/12/2004	02/13/2004	03/01/2004
L0001874-0010	LIQUID	Water	Port 4A Dup	02/12/2004	02/13/2004	03/01/2004
L0001874-0011	LIQUID	Water	Port 4A Low Spike	02/12/2004	02/13/2004	03/01/2004
L0001874-0012	LIQUID	Water	Port 4A High Spike	02/12/2004	02/13/2004	03/01/2004
L0001874-0013	LIQUID	Water	Effluent 4	02/12/2004	02/13/2004	03/01/2004
L0001874-0014	LIQUID	Water	Effluent 4 Dup	02/12/2004	02/13/2004	03/01/2004
L0001874-0015	LIQUID	Water	Effluent 4 Low Spike	02/12/2004	02/13/2004	03/01/2004
L0001874-0016	LIQUID	Water	Effluent 4 High Spike	02/12/2004	02/13/2004	03/01/2004
L0001874-0017	LIQUID	Water	Influent 1/2	02/12/2004	02/13/2004	03/01/2004
L0001874-0018	LIQUID	Water	Influent 1/2 Dup	02/12/2004	02/13/2004	03/01/2004
L0001874-0019	LIQUID	Water	Influent 1/2 Low Spike	02/12/2004	02/13/2004	03/01/2004
L0001874-0020	LIQUID	Water	Influent 1/2 High Spike	02/12/2004	02/13/2004	03/01/2004
L0001874-0021	LIQUID	Water	Trip Blank		02/13/2004	03/01/2004
L0001874-0022	LIQUID	Water	Trip Blank Low Spike		02/13/2004	03/01/2004
L0001874-0023	LIQUID	Water	Trip Blank High Spike		02/13/2004	03/01/2004

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

3M_MN01538587

Login

Bottles

L0001874-0001

Container
C0027262 / 500 ml Clear Plastic Narrow / NONE

Method

L0001874-0002

Container
C0027263 / 500 ml Clear Plastic Narrow / NONE

Method

L0001874-0003

Container
C0027264 / 500 ml Clear Plastic Narrow / NONE

Method

L0001874-0004

Container
C0027265 / 500 ml Clear Plastic Narrow / NONE

Method

L0001874-0005

Container
C0027266 / 500 ml Clear Plastic Narrow / NONE

Method

L0001874-0006

Container
C0027267 / 500 ml Clear Plastic Narrow / NONE

Method

L0001874-0007

Container
C0027268 / 500 ml Clear Plastic Narrow / NONE

Method

L0001874-0008

Container
C0027269 / 500 ml Clear Plastic Narrow / NONE

Method

L0001874-0009

Container
C0027270 / 500 ml Clear Plastic Narrow / NONE

Method

L0001874-0010

Container
C0027271 / 500 ml Clear Plastic Narrow / NONE

Method

L0001874-0011

Container
C0027272 / 500 ml Clear Plastic Narrow / NONE

Method

L0001874-0012

Container
C0027273 / 500 ml Clear Plastic Narrow / NONE

Method

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3M_MN01538588

Login

L0001874-0013

Container — Method
C0027274 / 500 ml Clear Plastic Narrow / NONE

L0001874-0014

Container — Method
C0027275 / 500 ml Clear Plastic Narrow / NONE

L0001874-0015

Container — Method
C0027276 / 500 ml Clear Plastic Narrow / NONE

L0001874-0016

Container — Method
C0027277 / 500 ml Clear Plastic Narrow / NONE

L0001874-0017

Container — Method
C0027278 / 500 ml Clear Plastic Narrow / NONE

L0001874-0018

Container — Method
C0027279 / 500 ml Clear Plastic Narrow / NONE

L0001874-0019

Container — Method
C0027280 / 500 ml Clear Plastic Narrow / NONE

L0001874-0020

Container — Method
C0027281 / 500 ml Clear Plastic Narrow / NONE

L0001874-0021

Container — Method
C0027282 / 500 ml Clear Plastic Narrow / NONE

L0001874-0022

Container — Method
C0027283 / 500 ml Clear Plastic Narrow / NONE

L0001874-0023

Container — Method
C0027284 / 500 ml Clear Plastic Narrow / NONE

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3M_MN01538589

Exygen RESEARCH — CHAIN OF CUSTODY/ANALYSIS REQUEST FORM

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PROJECT INFORMATION

Client (name & address):
3M COTTAGE GROVE
10746-INNOVATION RD.
COTTAGE GROVE, MN 55016
Phone: 651-768-1206
Fax: 651-458-2029
Sampler: TINA GALLOWAY / MATT MEDERMOTT

Project Manager (Name & E-mail Address):
KARI LINDSTROM
KRLINDSTROM@MMM.COM
Project Name:
Cottage Grove Landboy Post
P.O. #: E04-0120
Quotation #:

Please fill out this form *completely* to ensure correct analysis and proper handling of your samples.

ANALYSES REQUESTED

SAMPLE ANALYSIS

ExyLIMS#	Client Sample Identification	Collection Date	Collection Time	Grab	Composite	Number of Containers	Specify Matrix	Comments
	INFLUENT 3	2/12/04	12:16	X			WATER	
	3 DUP							
	3 LOW SPIKE							
	3 HIGH SPIKE							
	COMB. EFFLUENT		11:56					
	DUP							
	LOW SPIKE							
	HIGH SPIKE							

LAB USE ONLY

CHAIN OF CUSTODY

Relinquished by	Date	Time
[signature]	2/12/04	14:25

Cooler ID # CR1000:54 Cooler Temp. (°C) 0.1

Received by	Date	Time
[signature]	2/13/2004	1145

LAB USE ONLY

PROJECT REQUIREMENTS

Results Deadline:

Laboratory Report Options:
- ☐ Sample results only
- ☐ Add case narrative
- ☐ Add quality control summary
- ☐ Add calibration summary
- ☐ Add raw data
- ☐ Other

OTHER INFORMATION

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CHAIN OF CUSTODY/ANALYSIS REQUEST FORM

Exygen Research

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Page ____ of ____

PROJECT INFORMATION

Client (name & address):
3M COTTAGE GROVE
10746-INNOVATION RD.
COTTAGE GROVE, MN 55016
Phone: 651-768-1125
Fax: 651-458-2029
Sampler: TINA GALLOWAY / MATT KLIDERMOTH

Project Manager (Name & E-mail Address):
Kent Lindstrom
KRLINDSTROM@MMM.COM
Project Name:
Cottage Grove Carbon Testing
P.O. #: Eorr 0126
Quotation #:

Please fill out this form *completely* to ensure correct analysis and proper handling of your samples.

ANALYSES REQUESTED

SAMPLE ANALYSIS

ExyLIMS#	Client Sample Identification	Collection Date	Collection Time	Grab	Composite	Number of Containers	Specify Matrix	Comments
	PORT 4A	2/12/04	11:35	X			Leaker	
	PORT 4A DUP	2/12/04						
	PORT 4A LOW SPIKE							
	PORT 4A HIGH SPIKE							
	EFFLUENT 4	2/12/04	11:46					
	4 DUP							
	4 LOW SPIKE							
	4 HIGH SPIKE							

LAB USE ONLY

CHAIN OF CUSTODY

Relinquished by	Date	Time
	2/12/04	1425

Cooler ID # CR0000054 Cooler Temp. (°C) 0.1

Received by	Date	Time
	2/13/2004	1145

LAB USE ONLY

PROJECT REQUIREMENTS

Results Deadline:

Laboratory Report Options:
- ☐ Sample results only
- ☐ Add case narrative
- ☐ Add quality control summary
- ☐ Add calibration summary
- ☐ Add raw data
- ☐ Other

OTHER INFORMATION

REV 3-02

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

CHAIN OF CUSTODY/ANALYSIS REQUEST FORM

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Page ____ of ____

PROJECT INFORMATION

Client (name & address):
3m Cottage Grove
10746- Innovation Rd.
Cottage Grove, MN 55016
Phone: 651-768-1206
Fax: 651-458-2029
Sampler: Tina Galloway/Matt Wedermott

Project Manager (Name & E-mail Address):
~~Roman Mager~~ Kent Lindstrom
k krlindstrom@mmm.com
Project Name:
Cottage Grove Carbon Testing
P.O. #: E04-0120
Quotation #:

Please fill out this form *completely* to ensure correct analysis and proper handling of your samples.

ANALYSES REQUESTED

SAMPLE ANALYSIS

ExyLIMS#	Client Sample Identification	Collection Date	Collection Time	Grab	Composite	Number of Containers	Specify Matrix	Comments
	Influent 1/2	2/12/04	11:00	X			water	
	DUP	↓	↓	X			↓	
	LowSpike			X				
	High Spike			X				
	trip blank							
	trip blank low spike							
	trip blank high spike							

LAB USE ONLY

CHAIN OF CUSTODY

Relinquished by	Date	Time
[signature]	2/12/04	1425

Cooler ID # Cooler 54 Cooler Temp. (°C) 0.1

Received by	Date	Time
[signature]	2/12/04	1145

LAB USE ONLY

PROJECT REQUIREMENTS

Results Deadline:

Laboratory Report Options:
- ☐ Sample results only
- ☐ Add case narrative
- ☐ Add quality control summary
- ☐ Add calibration summary
- ☐ Add raw data
- ☐ Other

OTHER INFORMATION

REV. 3-07

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

3M ENVIRONMENTAL LABORATORY
Preliminary/Unauthorized Report

Project: E04-0120

Requester: Galloway, Tina M. (145-01, COTTAG
Department: 112583 Site Source: 016Z8120
Project Number:
Date Received: 2/11/2004
Project Description: Cottage Grove Carbon System Testing
Copy List: Mader, Brian (2-3E-09)

Completion Date:
Project Lead: Jess S. Eldridge
Phone Number: 651-778-5233
Email Address: jseldridge@mmm.com

Comments:

The Filtered TOC needs to be filtered with a Teflon filter.

TOC samples were preserved at time of collection. The preserved samples were filtered before analysis (RAS-Pace-2/12/04).

3M Sample Number	Sampled Date	Sample Description
E04-0120-67432	2/12/2004	**Influent Phase 1/2**

LAB	Analytical Method	Components	Result	RL	Qualifier
PACE	Total Organic Carbon	Filtered Total Organic Carbon			
PACE	BOD (5-day)	Biochemical Oxygen Demand			
PACE	EPA 420.4	Phenol (AAP)			
PACE	EPA 624	1,1,1-Trichloroethane			
		1,1,2,2-Tetrachloroethane			
		1,1,2-Trichloroethane			
		1,1-Dichloroethane			
		1,1-Dichloroethene			
		1,2-Dichlorobenzene			
		1,2-Dichloroethane			
		1,2-Dichloropropane			
		1,3-Dichlorobenzene			
		1,4-Dichlorobenzene			
		2-Chloroethyl Vinyl Ether			
		Benzene			
		Bromodichloromethane			
		Bromoform			
		Bromomethane			
		Carbon tetrachloride			
		Chlorobenzene			
		Chloroethane			
		Chloroform			
		Chloromethane			
		cis-1,3-Dichloropropene			
		Dibromochloromethane			
		Ethylbenzene			
		Methylene chloride			
		Tetrachloroethene			
		Toluene			
		trans-1,2-Dichloroethene			
		trans-1,3-Dichloropropene			
		Trichloroethene			

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3M ENVIRONMENTAL LABORATORY
Preliminary/Unauthorized Report

Project: E04-0120 (cont.)

3M Sample Number	Sampled Date	Sample Description
E04-0120-67432 (cont.)	2/12/2004	**Influent Phase 1/2**

LAB	Analytical Method	Components	Result	RL	Qualifier
PACE	EPA 624 (cont.)	Trichlorofluoromethane			
		Vinyl chloride			
		1,2-Dichloroethane-d4 (surr)			
		4-Bromofluorobenzene (surr)			
		Dibromofluoromethane (surr)			
		Toluene-d8 (surr)			
PACE	EPA 625	Phenol			
		bis(2-Chloroethyl)ether			
		2-Chlorophenol			
		1,3-Dichlorobenzene			
		1,4-Dichlorobenzene			
		1,2-Dichlorobenzene			
		bis(2-Chloroisopropyl)ether			
		N-Nitroso-di-n-propylamine			
		Nitrobenzene			
		Isophorone			
		2-Nitrophenol			
		2,4-Dimethylphenol			
		bis(2-Chloroethoxy)methane			
		2,4-Dichlorophenol			
		1,2,4-Trichlorobenzene			
		Naphthalene			
		Hexachlorobutadiene			
		4-Chloro-3-methylphenol			
		2,4,6-Trichlorophenol			
		2-Chloronaphthalene			
		Dimethylphthalate			
		Acenaphthylene			
		2,6-Dinitrotoluene			
		Acenaphthene			
		2,4-Dinitrophenol			
		4-Nitrophenol			
		2,4-Dinitrotoluene			
		Diethylphthalate			
		4-Chlorophenyl-phenylether			
		Fluorene			
		4,6-Dinitro-2-methylphenol			
		4-Bromophenyl-phenylether			
		Hexachlorobenzene			
		Pentachlorophenol			
		Phenanthrene			
		Anthracene			
		Di-n-butylphthalate			
		Fluoranthene			
		Pyrene			
		Butylbenzylphthalate			

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3M ENVIRONMENTAL LABORATORY
Preliminary/Unauthorized Report

Project: E04-0120 (cont.)

3M Sample Number	Sampled Date	Sample Description
E04-0120-67432 (cont.)	2/12/2004	**Influent Phase 1/2**

LAB	Analytical Method	Components	Result	RL	Qualifier
PACE	EPA 625 (cont.)	3,3'-Dichlorobenzidine			
		Benzo(a)anthracene			
		Chrysene			
		bis(2-Ethylhexyl)phthalate			
		Di-n-octylphthalate			
		Benzo(b)fluoranthene			
		Benzo(k)fluoranthene			
		Benzo(a)pyrene			
		Indeno(1,2,3-cd)pyrene			
		Dibenz(a,h)anthracene			
		Benzo(g,h,i)perylene			
		Hexachloroethane			
		Nitrobenzene-d5 (surr)			
		2-Fluorobiphenyl (surr)			
		Terphenyl-d14 (surr)			
		Phenol-d6 (surr)			
		2-Fluorophenol (surr)			
		2,4,6-Tribromophenol (surr)			
ERA	Fish Acute Test - 96	Fish Acute Test - 96 hour			
ERA	Total Res Chlorine	Total Residual Chlorine			
ERA	Ammonia Nitrogen	Ammonia (as NH3)			
ERA	pH	pH			
ERA	Conductivity	Conductivity			
ERA	Dissolved Oxygen	Dissolved Oxygen (Field)			
ERA	Temperature	Temperature			
3M_ENVLAB	ETS-8-148.0	APE0			
		APE1			
		APE2			
		APE3			
		APE4			
		APE5			
		APE14			
		APE15			
		APE16			
EXYGEN	LCMS	PFOS			
		PFHS			
		PFBS			
		PFOA			
		PFHA			

E04-0120-67433	2/12/2004	**Influent Phase 3**

LAB	Analytical Method	Components	Result	RL	Qualifier
PACE	Total Organic Carbon	Filtered Total Organic Carbon			
NSA	Mercury (EPA 1631)	Mercury			
ERA	Fish Acute Test - 96	Fish Acute Test - 96 hour			
ERA	Total Res Chlorine	Total Residual Chlorine			
ERA	Ammonia Nitrogen	Ammonia (as NH3)			

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Project: E04-0120 (cont.)

3M Sample Number	Sampled Date	Sample Description
E04-0120-67433 (cont.)	2/12/2004	**Influent Phase 3**

LAB	Analytical Method	Components	Result	RL	Qualifier
ERA	pH	pH			
ERA	Conductivity	Conductivity			
ERA	Dissolved Oxygen	Dissolved Oxygen (Field)			
ERA	Temperature	Temperature			
EXYGEN	LCMS	PFOS			
		PFHS			
		PFBS			
		PFOA			
		PFHA			

E04-0120-67434	2/12/2004	**Effluent Carbon 4**

LAB	Analytical Method	Components	Result	RL	Qualifier
PACE	Total Organic Carbon	Filtered Total Organic Carbon			
PACE	BOD (5-day)	Biochemical Oxygen Demand			
PACE	EPA 420.4	Phenol (AAP)			
PACE	EPA 624	1,1,1-Trichloroethane			
		1,1,2,2-Tetrachloroethane			
		1,1,2-Trichloroethane			
		1,1-Dichloroethane			
		1,1-Dichloroethene			
		1,2-Dichlorobenzene			
		1,2-Dichloroethane			
		1,2-Dichloropropane			
		1,3-Dichlorobenzene			
		1,4-Dichlorobenzene			
		2-Chloroethyl Vinyl Ether			
		Benzene			
		Bromodichloromethane			
		Bromoform			
		Bromomethane			
		Carbon tetrachloride			
		Chlorobenzene			
		Chloroethane			
		Chloroform			
		Chloromethane			
		cis-1,3-Dichloropropene			
		Dibromochloromethane			
		Ethylbenzene			
		Methylene chloride			
		Tetrachloroethene			
		Toluene			
		trans-1,2-Dichloroethene			
		trans-1,3-Dichloropropene			
		Trichloroethene			
		Trichlorofluoromethane			
		Vinyl chloride			
		1,2-Dichloroethane-d4 (surr)			

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Project: E04-0120 (cont.)

3M Sample Number	Sampled Date	Sample Description
E04-0120-67434 (cont.)	2/12/2004	**Effluent Carbon 4**

LAB	Analytical Method	Components	Result	RL	Qualifier
PACE	EPA 624 (cont.)	4-Bromofluorobenzene (surr)			
		Dibromofluoromethane (surr)			
		Toluene-d8 (surr)			
PACE	EPA 625	Phenol			
		bis(2-Chloroethyl)ether			
		2-Chlorophenol			
		1,3-Dichlorobenzene			
		1,4-Dichlorobenzene			
		1,2-Dichlorobenzene			
		bis(2-Chloroisopropyl)ether			
		N-Nitroso-di-n-propylamine			
		Nitrobenzene			
		Isophorone			
		2-Nitrophenol			
		2,4-Dimethylphenol			
		bis(2-Chloroethoxy)methane			
		2,4-Dichlorophenol			
		1,2,4-Trichlorobenzene			
		Naphthalene			
		Hexachlorobutadiene			
		4-Chloro-3-methylphenol			
		2,4,6-Trichlorophenol			
		2-Chloronaphthalene			
		Dimethylphthalate			
		Acenaphthylene			
		2,6-Dinitrotoluene			
		Acenaphthene			
		2,4-Dinitrophenol			
		4-Nitrophenol			
		2,4-Dinitrotoluene			
		Diethylphthalate			
		4-Chlorophenyl-phenylether			
		Fluorene			
		4,6-Dinitro-2-methylphenol			
		4-Bromophenyl-phenylether			
		Hexachlorobenzene			
		Pentachlorophenol			
		Phenanthrene			
		Anthracene			
		Di-n-butylphthalate			
		Fluoranthene			
		Pyrene			
		Butylbenzylphthalate			
		3,3'-Dichlorobenzidine			
		Benzo(a)anthracene			
		Chrysene			

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Project: E04-0120 (cont.)

3M Sample Number	Sampled Date	Sample Description
E04-0120-67434 (cont.)	2/12/2004	**Effluent Carbon 4**

LAB	Analytical Method	Components	Result	RL	Qualifier
PACE	EPA 625 (cont.)	bis(2-Ethylhexyl)phthalate			
		Di-n-octylphthalate			
		Benzo(b)fluoranthene			
		Benzo(k)fluoranthene			
		Benzo(a)pyrene			
		Indeno(1,2,3-cd)pyrene			
		Dibenz(a,h)anthracene			
		Benzo(g,h,i)perylene			
		Hexachloroethane			
		Nitrobenzene-d5 (surr)			
		2-Fluorobiphenyl (surr)			
		Terphenyl-d14 (surr)			
		Phenol-d6 (surr)			
		2-Fluorophenol (surr)			
		2,4,6-Tribromophenol (surr)			
ERA	Fish Acute Test - 96	Fish Acute Test - 96 hour			
ERA	Total Res Chlorine	Total Residual Chlorine			
ERA	Ammonia Nitrogen	Ammonia (as NH3)			
ERA	pH	pH			
ERA	Conductivity	Conductivity			
ERA	Dissolved Oxygen	Dissolved Oxygen (Field)			
ERA	Temperature	Temperature			
3M_ENVLAB	ETS-8-148.0	APE0			
		APE1			
		APE2			
		APE3			
		APE4			
		APE5			
		APE14			
		APE15			
		APE16			
EXYGEN	LCMS	PFOS			
		PFHS			
		PFBS			
		PFOA			
		PFHA			

E04-0120-67435	2/12/2004	**Effluent Carbon 1**

LAB	Analytical Method	Components	Result	RL	Qualifier
PACE	Total Organic Carbon	Filtered Total Organic Carbon			
PACE	BOD (5-day)	Biochemical Oxygen Demand			
PACE	EPA 420.4	Phenol (AAP)			
PACE	EPA 624	1,1,1-Trichloroethane			
		1,1,2,2-Tetrachlorocthane			
		1,1,2-Trichloroethane			
		1,1-Dichloroethane			
		1,1-Dichloroethene			

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Project: E04-0120 (cont.)

3M Sample Number	Sampled Date	Sample Description
E04-0120-67435 (cont.)	2/12/2004	**Effluent Carbon 1**

LAB	Analytical Method	Components	Result	RL	Qualifier
PACE	EPA 624 (cont.)	1,2-Dichlorobenzene			
		1,2-Dichloroethane			
		1,2-Dichloropropane			
		1,3-Dichlorobenzene			
		1,4-Dichlorobenzene			
		2-Chloroethyl Vinyl Ether			
		Benzene			
		Bromodichloromethane			
		Bromoform			
		Bromomethane			
		Carbon tetrachloride			
		Chlorobenzene			
		Chloroethane			
		Chloroform			
		Chloromethane			
		cis-1,3-Dichloropropene			
		Dibromochloromethane			
		Ethylbenzene			
		Methylene chloride			
		Tetrachloroethene			
		Toluene			
		trans-1,2-Dichloroethene			
		trans-1,3-Dichloropropene			
		Trichloroethene			
		Trichlorofluoromethane			
		Vinyl chloride			
		1,2-Dichloroethane-d4 (surr)			
		4-Bromofluorobenzene (surr)			
		Dibromofluoromethane (surr)			
		Toluene-d8 (surr)			
PACE	EPA 625	Phenol			
		bis(2-Chloroethyl)ether			
		2-Chlorophenol			
		1,3-Dichlorobenzene			
		1,4-Dichlorobenzene			
		1,2-Dichlorobenzene			
		bis(2-Chloroisopropyl)ether			
		N-Nitroso-di-n-propylamine			
		Nitrobenzene			
		Isophorone			
		2-Nitrophenol			
		2,4-Dimethylphenol			
		bis(2-Chloroethoxy)methane			
		2,4-Dichlorophenol			
		1,2,4-Trichlorobenzene			
		Naphthalene			

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Project: E04-0120 (cont.)

3M Sample Number	Sampled Date	Sample Description
E04-0120-67435 (cont.)	2/12/2004	**Effluent Carbon 1**

LAB	Analytical Method	Components	Result	RL	Qualifier
PACE	EPA 625 (cont.)	Hexachlorobutadiene			
		4-Chloro-3-methylphenol			
		2,4,6-Trichlorophenol			
		2-Chloronaphthalene			
		Dimethylphthalate			
		Acenaphthylene			
		2,6-Dinitrotoluene			
		Acenaphthene			
		2,4-Dinitrophenol			
		4-Nitrophenol			
		2,4-Dinitrotoluene			
		Diethylphthalate			
		4-Chlorophenyl-phenylether			
		Fluorene			
		4,6-Dinitro-2-methylphenol			
		4-Bromophenyl-phenylether			
		Hexachlorobenzene			
		Pentachlorophenol			
		Phenanthrene			
		Anthracene			
		Di-n-butylphthalate			
		Fluoranthene			
		Pyrene			
		Butylbenzylphthalate			
		3,3'-Dichlorobenzidine			
		Benzo(a)anthracene			
		Chrysene			
		bis(2-Ethylhexyl)phthalate			
		Di-n-octylphthalate			
		Benzo(b)fluoranthene			
		Benzo(k)fluoranthene			
		Benzo(a)pyrene			
		Indeno(1,2,3-cd)pyrene			
		Dibenz(a,h)anthracene			
		Benzo(g,h,i)perylene			
		Hexachloroethane			
		Nitrobenzene-d5 (surr)			
		2-Fluorobiphenyl (surr)			
		Terphenyl-d14 (surr)			
		Phenol-d6 (surr)			
		2-Fluorophenol (surr)			
		2,4,6-Tribromophenol (surr)			
ERA	Fish Acute Test - 96	Fish Acute Test - 96 hour			
ERA	Total Res Chlorine	Total Residual Chlorine			
ERA	Ammonia Nitrogen	Ammonia (as NH3)			
ERA	pH	pH			

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Project: E04-0120 (cont.)

3M Sample Number	Sampled Date	Sample Description
E04-0120-67435 (cont.)	2/12/2004	**Effluent Carbon 1**

LAB	Analytical Method	Components	Result	RL	Qualifier
ERA	Conductivity	Conductivity			
ERA	Dissolved Oxygen	Dissolved Oxygen (Field)			
ERA	Temperature	Temperature			
3M_ENVLAB	ETS-8-148.0	APE0			
		APE1			
		APE2			
		APE3			
		APE4			
		APE5			
		APE14			
		APE15			
		APE16			

E04-0120-67436	2/12/2004	**Effluent Carbon 11**

LAB	Analytical Method	Components	Result	RL	Qualifier
PACE	Total Organic Carbon	Filtered Total Organic Carbon			
NSA	Mercury (EPA 1631)	Mercury			
ERA	Fish Acute Test - 96	Fish Acute Test - 96 hour			
ERA	Total Res Chlorine	Total Residual Chlorine			
ERA	Ammonia Nitrogen	Ammonia (as NH3)			
ERA	pH	pH			
ERA	Conductivity	Conductivity			
ERA	Dissolved Oxygen	Dissolved Oxygen (Field)			
ERA	Temperature	Temperature			
EXYGEN	LCMS	PFOS			
		PFHS			
		PFBS			
		PFOA			
		PFHA			

E04-0120-67437	2/12/2004	**Effluent Carbon 13**

LAB	Analytical Method	Components	Result	RL	Qualifier
PACE	Total Organic Carbon	Filtered Total Organic Carbon			
NSA	Mercury (EPA 1631)	Mercury			
ERA	Fish Acute Test - 96	Fish Acute Test - 96 hour			
ERA	Total Res Chlorine	Total Residual Chlorine			
ERA	Ammonia Nitrogen	Ammonia (as NH3)			
ERA	pH	pH			
ERA	Conductivity	Conductivity			
ERA	Dissolved Oxygen	Dissolved Oxygen (Field)			
ERA	Temperature	Temperature			
EXYGEN	LCMS	PFOS			
		PFHS			
		PFBS			
		PFOA			
		PFHA			

E04-0120-67438	2/12/2004	**Carbon 4, Port A**

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Project: E04-0120 (cont.)

3M Sample Number	Sampled Date	Sample Description
E04-0120-67438 (cont.)	2/12/2004	**Carbon 4, Port A**

LAB	Analytical Method	Components	Result	RL	Qualifier
PACE	Total Organic Carbon	Filtered Total Organic Carbon			
PACE	BOD (5-day)	Biochemical Oxygen Demand			
PACE	EPA 420.4	Phenol (AAP)			
PACE	EPA 624	1,1,1-Trichloroethane			
		1,1,2,2-Tetrachloroethane			
		1,1,2-Trichloroethane			
		1,1-Dichloroethane			
		1,1-Dichloroethene			
		1,2-Dichlorobenzene			
		1,2-Dichloroethane			
		1,2-Dichloropropane			
		1,3-Dichlorobenzene			
		1,4-Dichlorobenzene			
		2-Chloroethyl Vinyl Ether			
		Benzene			
		Bromodichloromethane			
		Bromoform			
		Bromomethane			
		Carbon tetrachloride			
		Chlorobenzene			
		Chloroethane			
		Chloroform			
		Chloromethane			
		cis-1,3-Dichloropropene			
		Dibromochloromethane			
		Ethylbenzene			
		Methylene chloride			
		Tetrachloroethene			
		Toluene			
		trans-1,2-Dichloroethene			
		trans-1,3-Dichloropropene			
		Trichloroethene			
		Trichlorofluoromethane			
		Vinyl chloride			
		1,2-Dichloroethane-d4 (surr)			
		4-Bromofluorobenzene (surr)			
		Dibromofluoromethane (surr)			
		Toluene-d8 (surr)			
PACE	EPA 625	Phenol			
		bis(2-Chloroethyl)ether			
		2-Chlorophenol			
		1,3-Dichlorobenzene			
		1,4-Dichlorobenzene			
		1,2-Dichlorobenzene			
		bis(2-Chloroisopropyl)ether			
		N-Nitroso-di-n-propylamine			

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Project: E04-0120 (cont.)

3M Sample Number	Sampled Date	Sample Description
E04-0120-67438 (cont.)	2/12/2004	**Carbon 4, Port A**

LAB	Analytical Method	Components	Result	RL	Qualifier
PACE	EPA 625 (cont.)	Nitrobenzene			
		Isophorone			
		2-Nitrophenol			
		2,4-Dimethylphenol			
		bis(2-Chloroethoxy)methane			
		2,4-Dichlorophenol			
		1,2,4-Trichlorobenzene			
		Naphthalene			
		Hexachlorobutadiene			
		4-Chloro-3-methylphenol			
		2,4,6-Trichlorophenol			
		2-Chloronaphthalene			
		Dimethylphthalate			
		Acenaphthylene			
		2,6-Dinitrotoluene			
		Acenaphthene			
		2,4-Dinitrophenol			
		4-Nitrophenol			
		2,4-Dinitrotoluene			
		Diethylphthalate			
		4-Chlorophenyl-phenylether			
		Fluorene			
		4,6-Dinitro-2-methylphenol			
		4-Bromophenyl-phenylether			
		Hexachlorobenzene			
		Pentachlorophenol			
		Phenanthrene			
		Anthracene			
		Di-n-butylphthalate			
		Fluoranthene			
		Pyrene			
		Butylbenzylphthalate			
		3,3'-Dichlorobenzidine			
		Benzo(a)anthracene			
		Chrysene			
		bis(2-Ethylhexyl)phthalate			
		Di-n-octylphthalate			
		Benzo(b)fluoranthene			
		Benzo(k)fluoranthene			
		Benzo(a)pyrene			
		Indeno(1,2,3-cd)pyrene			
		Dibenz(a,h)anthracene			
		Benzo(g,h,i)perylene			
		Hexachloroethane			
		Nitrobenzene-d5 (surr)			
		2-Fluorobiphenyl (surr)			

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Project: E04-0120 (cont.)

3M Sample Number	Sampled Date	Sample Description
E04-0120-67438 (cont.)	2/12/2004	**Carbon 4, Port A**

LAB	Analytical Method	Components	Result	RL	Qualifier
PACE	EPA 625 (cont.)	Terphenyl-d14 (surr)			
		Phenol-d6 (surr)			
		2-Fluorophenol (surr)			
		2,4,6-Tribromophenol (surr)			
ERA	Fish Acute Test - 96	Fish Acute Test - 96 hour			
ERA	Total Res Chlorine	Total Residual Chlorine			
ERA	Ammonia Nitrogen	Ammonia (as NH3)			
ERA	pH	pH			
ERA	Conductivity	Conductivity			
ERA	Dissolved Oxygen	Dissolved Oxygen (Field)			
ERA	Temperature	Temperature			
3M_ENVLAB	ETS-8-148.0				
EXYGEN	LCMS	PFOS			
		PFHS			
		PFBS			
		PFOA			
		PFHA			

3M Sample Number	Sampled Date	Sample Description
E04-0120-67439	2/12/2004	**Carbon 1, Port A**

LAB	Analytical Method	Components	Result	RL	Qualifier
PACE	Total Organic Carbon	Filtered Total Organic Carbon			
PACE	BOD (5-day)	Biochemical Oxygen Demand			
PACE	EPA 420.4	Phenol (AAP)			
PACE	EPA 624	1,1,1-Trichloroethane			
		1,1,2,2-Tetrachloroethane			
		1,1,2-Trichloroethane			
		1,1-Dichloroethane			
		1,1-Dichloroethene			
		1,2-Dichlorobenzene			
		1,2-Dichloroethane			
		1,2-Dichloropropane			
		1,3-Dichlorobenzene			
		1,4-Dichlorobenzene			
		2-Chloroethyl Vinyl Ether			
		Benzene			
		Bromodichloromethane			
		Bromoform			
		Bromomethane			
		Carbon tetrachloride			
		Chlorobenzene			
		Chloroethane			
		Chloroform			
		Chloromethane			
		cis-1,3-Dichloropropene			
		Dibromochloromethane			
		Ethylbenzene			
		Methylene chloride			

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Project: E04-0120 (cont.)

3M Sample Number	Sampled Date	Sample Description
E04-0120-67439 (cont.)	2/12/2004	**Carbon 1, Port A**

LAB	Analytical Method	Components	Result	RL	Qualifier
PACE	EPA 624 (cont.)	Tetrachloroethene			
		Toluene			
		trans-1,2-Dichloroethene			
		trans-1,3-Dichloropropene			
		Trichloroethene			
		Trichlorofluoromethane			
		Vinyl chloride			
		1,2-Dichloroethane-d4 (surr)			
		4-Bromofluorobenzene (surr)			
		Dibromofluoromethane (surr)			
		Toluene-d8 (surr)			
PACE	EPA 625	Phenol			
		bis(2-Chloroethyl)ether			
		2-Chlorophenol			
		1,3-Dichlorobenzene			
		1,4-Dichlorobenzene			
		1,2-Dichlorobenzene			
		bis(2-Chloroisopropyl)ether			
		N-Nitroso-di-n-propylamine			
		Nitrobenzene			
		Isophorone			
		2-Nitrophenol			
		2,4-Dimethylphenol			
		bis(2-Chloroethoxy)methane			
		2,4-Dichlorophenol			
		1,2,4-Trichlorobenzene			
		Naphthalene			
		Hexachlorobutadiene			
		4-Chloro-3-methylphenol			
		2,4,6-Trichlorophenol			
		2-Chloronaphthalene			
		Dimethylphthalate			
		Acenaphthylene			
		2,6-Dinitrotoluene			
		Acenaphthene			
		2,4-Dinitrophenol			
		4-Nitrophenol			
		2,4-Dinitrotoluene			
		Diethylphthalate			
		4-Chlorophenyl-phenylether			
		Fluorene			
		4,6-Dinitro-2-methylphenol			
		4-Bromophenyl-phenylether			
		Hexachlorobenzene			
		Pentachlorophenol			
		Phenanthrene			

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Project: E04-0120 (cont.)

3M Sample Number	Sampled Date	Sample Description
E04-0120-67439 (cont.)	2/12/2004	**Carbon 1, Port A**

LAB	Analytical Method	Components	Result	RL	Qualifier
PACE	EPA 625 (cont.)	Anthracene			
		Di-n-butylphthalate			
		Fluoranthene			
		Pyrene			
		Butylbenzylphthalate			
		3,3'-Dichlorobenzidine			
		Benzo(a)anthracene			
		Chrysene			
		bis(2-Ethylhexyl)phthalate			
		Di-n-octylphthalate			
		Benzo(b)fluoranthene			
		Benzo(k)fluoranthene			
		Benzo(a)pyrene			
		Indeno(1,2,3-cd)pyrene			
		Dibenz(a,h)anthracene			
		Benzo(g,h,i)perylene			
		Hexachloroethane			
		Nitrobenzene-d5 (surr)			
		2-Fluorobiphenyl (surr)			
		Terphenyl-d14 (surr)			
		Phenol-d6 (surr)			
		2-Fluorophenol (surr)			
		2,4,6-Tribromophenol (surr)			
ERA	Fish Acute Test - 96	Fish Acute Test - 96 hour			
ERA	Total Res Chlorine	Total Residual Chlorine			
ERA	Ammonia Nitrogen	Ammonia (as NH3)			
ERA	pH	pH			
ERA	Conductivity	Conductivity			
ERA	Dissolved Oxygen	Dissolved Oxygen (Field)			
ERA	Temperature	Temperature			
3M_ENVLAB	ETS-8-148.0	APE0			
		APE1			
		APE2			
		APE3			
		APE4			
		APE5			
		APE14			
		APE15			
		APE16			

E04-0120-67440	2/12/2004	**Carbon 11, Port D**

LAB	Analytical Method	Components	Result	RL	Qualifier
PACE	Total Organic Carbon	Filtered Total Organic Carbon			
NSA	Mercury (EPA 1631)	Mercury			
ERA	Fish Acute Test - 96	Fish Acute Test - 96 hour			
ERA	Total Res Chlorine	Total Residual Chlorine			
ERA	Ammonia Nitrogen	Ammonia (as NH3)			

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3M ENVIRONMENTAL LABORATORY
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Project: E04-0120 (cont.)

3M Sample Number	Sampled Date	Sample Description
E04-0120-67440 (cont.)	2/12/2004	**Carbon 11, Port D**

LAB	Analytical Method	Components	Result	RL	Qualifier
ERA	pH	pH			
ERA	Conductivity	Conductivity			
ERA	Dissolved Oxygen	Dissolved Oxygen (Field)			
ERA	Temperature	Temperature			
EXYGEN	LCMS	PFOS			
		PFHS			
		PFBS			
		PFOA			
		PFHA			

E04-0120-67441	2/12/2004	**Carbon 13, Port D**

LAB	Analytical Method	Components	Result	RL	Qualifier
PACE	Total Organic Carbon	Filtered Total Organic Carbon			
NSA	Mercury (EPA 1631)	Mercury			
ERA	Fish Acute Test - 96	Fish Acute Test - 96 hour			
ERA	Total Res Chlorine	Total Residual Chlorine			
ERA	Ammonia Nitrogen	Ammonia (as NH3)			
ERA	pH	pH			
ERA	Conductivity	Conductivity			
ERA	Dissolved Oxygen	Dissolved Oxygen (Field)			
ERA	Temperature	Temperature			
EXYGEN	LCMS	PFOS			
		PFHS			
		PFBS			
		PFOA			
		PFHA			

E04-0120-67442	2/12/2004	**Combined Effluent**

LAB	Analytical Method	Components	Result	RL	Qualifier
PACE	Total Organic Carbon	Filtered Total Organic Carbon			
PACE	BOD (5-day)	Biochemical Oxygen Demand			
PACE	EPA 420.4	Phenol (AAP)			
PACE	EPA 624	1,1,1-Trichloroethane			
		1,1,2,2-Tetrachloroethane			
		1,1,2-Trichloroethane			
		1,1-Dichloroethane			
		1,1-Dichloroethene			
		1,2-Dichlorobenzene			
		1,2-Dichloroethane			
		1,2-Dichloropropane			
		1,3-Dichlorobenzene			
		1,4-Dichlorobenzene			
		2-Chloroethyl Vinyl Ether			
		Benzene			
		Bromodichloromethane			
		Bromoform			
		Bromomethane			

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

3M ENVIRONMENTAL LABORATORY
Preliminary/Unauthorized Report

Project: E04-0120 (cont.)

3M Sample Number	Sampled Date	Sample Description
E04-0120-67442 (cont.)	2/12/2004	**Combined Effluent**

LAB	Analytical Method	Components	Result	RL	Qualifier
PACE	EPA 624 (cont.)	Carbon tetrachloride			
		Chlorobenzene			
		Chloroethane			
		Chloroform			
		Chloromethane			
		cis-1,3-Dichloropropene			
		Dibromochloromethane			
		Ethylbenzene			
		Methylene chloride			
		Tetrachloroethene			
		Toluene			
		trans-1,2-Dichloroethene			
		trans-1,3-Dichloropropene			
		Trichloroethene			
		Trichlorofluoromethane			
		Vinyl chloride			
		1,2-Dichloroethane-d4 (surr)			
		4-Bromofluorobenzene (surr)			
		Dibromofluoromethane (surr)			
		Toluene-d8 (surr)			
PACE	EPA 625	Phenol			
		bis(2-Chloroethyl)ether			
		2-Chlorophenol			
		1,3-Dichlorobenzene			
		1,4-Dichlorobenzene			
		1,2-Dichlorobenzene			
		bis(2-Chloroisopropyl)ether			
		N-Nitroso-di-n-propylamine			
		Nitrobenzene			
		Isophorone			
		2-Nitrophenol			
		2,4-Dimethylphenol			
		bis(2-Chloroethoxy)methane			
		2,4-Dichlorophenol			
		1,2,4-Trichlorobenzene			
		Naphthalene			
		Hexachlorobutadiene			
		4-Chloro-3-methylphenol			
		2,4,6-Trichlorophenol			
		2-Chloronaphthalene			
		Dimethylphthalate			
		Acenaphthylene			
		2,6-Dinitrotoluene			
		Acenaphthene			
		2,4-Dinitrophenol			
		4-Nitrophenol			

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3M ENVIRONMENTAL LABORATORY
Preliminary/Unauthorized Report

Project: E04-0120 (cont.)

3M Sample Number	Sampled Date	Sample Description
E04-0120-67442 (cont.)	2/12/2004	**Combined Effluent**

LAB	Analytical Method	Components	Result	RL	Qualifier
PACE	EPA 625 (cont.)	2,4-Dinitrotoluene			
		Diethylphthalate			
		4-Chlorophenyl-phenylether			
		Fluorene			
		4,6-Dinitro-2-methylphenol			
		4-Bromophenyl-phenylether			
		Hexachlorobenzene			
		Pentachlorophenol			
		Phenanthrene			
		Anthracene			
		Di-n-butylphthalate			
		Fluoranthene			
		Pyrene			
		Butylbenzylphthalate			
		3,3'-Dichlorobenzidine			
		Benzo(a)anthracene			
		Chrysene			
		bis(2-Ethylhexyl)phthalate			
		Di-n-octylphthalate			
		Benzo(b)fluoranthene			
		Benzo(k)fluoranthene			
		Benzo(a)pyrene			
		Indeno(1,2,3-cd)pyrene			
		Dibenz(a,h)anthracene			
		Benzo(g,h,i)perylene			
		Hexachloroethane			
		Nitrobenzene-d5 (surr)			
		2-Fluorobiphenyl (surr)			
		Terphenyl-d14 (surr)			
		Phenol-d6 (surr)			
		2-Fluorophenol (surr)			
		2,4,6-Tribromophenol (surr)			
ERA	Fish Acute Test - 96	Fish Acute Test - 96 hour			
ERA	Total Res Chlorine	Total Residual Chlorine			
ERA	Ammonia Nitrogen	Ammonia (as NH3)			
ERA	pH	pH			
ERA	Conductivity	Conductivity			
ERA	Dissolved Oxygen	Dissolved Oxygen (Field)			
ERA	Temperature	Temperature			
3M_ENVLAB	ETS-8-148.0	APE0			
		APE1			
		APE2			
		APE3			
		APE4			
		APE5			
		APE14			

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

3M ENVIRONMENTAL LABORATORY
Preliminary/Unauthorized Report

Project: E04-0120 (cont.)

3M Sample Number	Sampled Date	Sample Description
E04-0120-67442 (cont.)	2/12/2004	**Combined Effluent**

LAB	Analytical Method	Components	Result	RL	Qualifier
3M_ENVLAB	ETS-8-148.0 (cont.)	APE15			
		APE16			
EXYGEN	LCMS	PFOS			
		PFHS			
		PFBS			
		PFOA			
		PFHA			

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Exygen™ RESEARCH
Precise Research. Proven Results.

Sample "Condition Upon Receipt" Form

Protocol # NA

Exygen Study # * 060 1874

Date & Time Received 2/13/2004 1145

Condition of Samples wet Ice Retrieved

Temporary Storage Location Bldg 1 Room 8 with In Cooler 3

Initials & Date scm 2/13/2004

Waybill # 7925 7072 8697 Fed X

Comments: *waiting for study Numb. scm 2/13/2004

May 24, 2002/3

3058 Research Drive
State College, PA 16801, USA
T: 800.281.3219
F: 814.272.1019

Q: WORD process-login\SampleConditiononReceipt.doc

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

From: TINA TMC GALLOWAY (651)768-1206
3M COMPANY CORP/INCINERATOR
10746 INNOVATION ROAD BUILDING 47

COTTAGE GROVE, MN, 55016

REVENUE BARCODE

FedEx.

To: John Flaherty (800)281-3219
Exygen Research
3058 Research Drive

State College, PA, 16801

SHIP DATE: 12FEB04
WEIGHT: 55 LBS

Ref:

DELIVERY ADDRESS BARCODE(FEDEX-EDR)

FedEx PRIORITY OVERNIGHT

FRI
AA

Deliver by:
13FEB04

TRK # 7925 7072 8697 FORM 0201

PIT

16801-PA-US NU SCEA

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

SECTION D

DATA SET: 021904D

REJECTED RUN REASON

- ☐ Poor Chromatography
- ☐ Drifting Baseline
- ☐ Drifting Retention Time
- ☒ Unstable Response
- ☐ Power Interruption
- ☐ Unacceptable Recoveries
- ☐ Apparent Contamination
- ☐ Other: _____

ACTION TAKEN

- ☒ Re-Inject Initials: KG
- ☐ Re-Extract Date: 03/02/04

KG 03/02/04

NOTE: DILUTION FACTORS IN THE RE-INJECTED SET ARE BASED ON DATA OBTAINED IN THIS SET.
KG 03/02/04

FOR RE-INJECTION SEE DATA SET: 021804AR.

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Analyst Version: 1.2
Printing Time: 02:53:47 PM
Printing Date: Thursday, February 19, 2004

Exygen Study No.: L1874 74 CC GRD 2/19/04

Instrument No.: LC/MS/MS # 8

KJF 02/19/04

Project: D:\Analyst Data\Projects\Fluorochems\2003_04_29 Batch:021804A CG ACSFM Tab:Sample Set:SET AcqMethod:NPDES.dam
Sample 021904D ACSFM CC GRD 2/19/04

	Sample Name	Sample Data	Vial Location	Data File	Comments
1	XC021004-0, 0 ng/L	021904-401	21	021904D\L1874	XC021004-0, 0 ng/L
2	XC021004-1, 25 ng/L	021904-402	22	021904D\L1874	XC021004-1, 25 ng/L
3	XC021004-2, 50 ng/L	021904-403	23	021904D\L1874	XC021004-2, 50 ng/L
4	XC021004-3, 100 ng/L	021904-404	24	021904D\L1874	XC021004-3, 100 ng/L
5	XC021004-4, 250 ng/L	021904-405	25	021904D\L1874	XC021004-4, 250 ng/L
6	XC021004-5, 500 ng/L	021904-406	26	021904D\L1874	XC021004-5, 500 ng/L
7	XC021004-6, 1000 ng/L	021904-407	27	021904D\L1874	XC021004-6, 1000 ng/L
8	Methanol Wash	021904-408	92	021904D\L1874	Methanol Wash
9	0106020 Control	021904-409	31	021904D\L1874	0106020 Control
10	0106020 Spk A, 50 ng/L	021904-410	32	021904D\L1874	0106020 Spk A, 50 ng/L
11	0106020 Spk B, 500 ng/L	021904-411	33	021904D\L1874	0106020 Spk B, 500 ng/L
12	L1874-1 Spk C, 10000 ng/L DF = 100	021904-412	34	021904D\L1874	L1874-1 Spk C, 10000 ng/L DF = 100
13	L1874-5 Spk D, 10000 ng/L DF = 100	021904-413	35	021904D\L1874	L1874-5 Spk D, 10000 ng/L DF = 100
14	L1874-9 Spk E, 10000 ng/L DF = 100	021904-414	36	021904D\L1874	L1874-9 Spk E, 10000 ng/L DF = 100
15	L1874-13 Spk F, 10000 ng/L DF = 100	021904-415	37	021904D\L1874	L1874-13 Spk F, 10000 ng/L DF = 100
16	L1874-17 Spk G, 10000 ng/L DF = 100	021904-416	38	021904D\L1874	L1874-17 Spk G, 10000 ng/L DF = 100
17	XC021004-1, 25 ng/L	021904-417	22	021904D\L1874	XC021004-1, 25 ng/L
18	L1874-1	021904-418	39	021904D\L1874	L1874-1
19	L1874-1 Rep	021904-419	40	021904D\L1874	L1874-1 Rep
20	L1874-2	021904-420	41	021904D\L1874	L1874-2
21	L1874-3 DF = 100	021904-421	42	021904D\L1874	L1874-3 DF = 100
22	L1874-4 DF = 1000	021904-422	43	021904D\L1874	L1874-4 DF = 1000
23	XC021004-2, 50 ng/L	021904-423	23	021904D\L1874	XC021004-2, 50 ng/L
24	L1874-5	021904-424	44	021904D\L1874	L1874-5
25	L1874-5 Rep	021904-425	45	021904D\L1874	L1874-5 Rep
26	L1874-6	021904-426	46	021904D\L1874	L1874-6
27	L1874-7 DF = 100	021904-427	47	021904D\L1874	L1874-7 DF = 100
28	L1874-8 DF = 1000	021904-428	48	021904D\L1874	L1874-8 DF = 1000
29	XC021004-3, 100 ng/L	021904-429	24	021904D\L1874	XC021004-3, 100 ng/L
30	L1874-9	021904-430	49	021904D\L1874	L1874-9
31	L1874-9 Rep	021904-431	50	021904D\L1874	L1874-9 Rep
32	L1874-10	021904-432	51	021904D\L1874	L1874-10
33	L1874-11 DF = 100	021904-433	52	021904D\L1874	L1874-11 DF = 100
34	L1874-12 DF = 1000	021904-434	53	021904D\L1874	L1874-12 DF = 1000
35	XC021004-3, 100 ng/L	021904-435	24	021904D\L1874	XC021004-3, 100 ng/L
36	L1874-13	021904-436	54	021904D\L1874	L1874-13
37	L1874-13 Rep	021904-437	55	021904D\L1874	L1874-13 Rep
38	L1874-14	021904-438	56	021904D\L1874	L1874-14
39	L1874-15 DF = 100	021904-439	57	021904D\L1874	L1874-15 DF = 100
40	L1874-16 DF = 1000	021904-440	58	021904D\L1874	L1874-16 DF = 1000
41	XC021004-3, 250 ng/L	021904-441	25	021904D\L1874	XC021004-3, 250 ng/L

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3M_MN01538615

1937.0229

Project: D:\Analyst Data\Projects\Fluorochems\2003_04_29 Batch:021804A.CG.ACQFM 021904D ACQFM 2/19/04 Tab:Sample Set:SET AcqMethod:NPDES.dam
Sample

	Sample Name	Sample ID	Data File	Comment
42	L1874-17	021904-442	021904D\L1874	L1874-17
43	L1874-17 Rep	021904-443	021904D\L1874	L1874-17 Rep
44	L1874-18	021904-444	021904D\L1874	L1874-18
45	L1874-19 DF = 100	021904-445	021904D\L1874	L1874-19 DF = 100
46	L1874-20 DF = 1000	021904-446	021904D\L1874	L1874-20 DF = 1000
47	XC021004-3, 500 ng/L	021904-447	021904D\L1874	XC021004-3, 500 ng/L
48	Methanol Wash	021904-448	021904D\L1874	Methanol Wash
49	L1874-21	021904-449	021904D\L1874	L1874-21
50	L1874-22 DF = 100	021904-450	021904D\L1874	L1874-22 DF = 100
51	L1874-23 DF = 1000	021904-451	021904D\L1874	L1874-23 DF = 1000
52	XC021004-6, 1000 ng/L	021904-452	021904D\L1874	XC021004-6, 1000 ng/L

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

3M_MN01538616

Exygen RESEARCH
3058 Research Drive
State College, PA 16801
Phone: 814-272-1039
Fax: 814-231-1580

PREPARATION OF EXTRACTED CALIBRATION STANDARDS

Protocol No.: None | Exygen Study No.: NA | Matrix: Type I Water^
Method No.: $$ | Analytes: C4,C5,C6,C7 and C8 Acids; C4, C6 & C8 Sulfonates | Sample Vol: 40 mL

Sponsor Sample ID	Exygen Sample ID	Sample Description	Fort. Solution ID	Fort. Soln. Conc. (ng/mL)	Fort. Volume (µL)	Micropipet used (µL)	Fort. Level (ppt)	Final Solution ID # **	Reagents/ Materials	Lot #
NA	0106020	Type I Water^	-	-	-	-	-	XC021004-0	Methanol	43308345
NA	0106020	Type I Water^	F012004-10	10	100	200	25	XC021004-1	C18 SPE	W33108I
NA	0106020	Type I Water^	F012004-10	10	200	200	50	XC021004-2	Type I Water	NA
NA	0106020	Type I Water^	F012004-10	10	400	200	100	XC021004-3	-	-
NA	0106020	Type I Water^	F012004-9	100	100	200	250	XC021004-4	-	-
NA	0106020	Type I Water^	F012004-9	100	200	200	500	XC021004-5	-	-
NA	0106020	Type I Water^	F012004-9	100	400	200	1000	XC021004-6	-	-
-	-	-	-	-	-	-	-	-	Initials/Date:	EH 2/10/04
-	-	-	-	-	-	-	-	-		

Vertical arrows in a column indicate identical values.

***This must be a unique number. Use this system: Extracted Calibration Soln ID #: XCMMDDYY-0,1,2,3. etc.*

Samples removed from (refrigerator) / freezer # 32 Time: 1050 Initials/Date: EH / 2/10/04
40 mL of each sample measured using a 50 mL graduated cylinder. Initials/Date: EH / 2/10/04
After measuring, samples returned to (refrigerator) / freezer # 32 Time: 1610 Initials/Date: KB / 02/10/04
Samples fortified: Initials/Date: KB / 02/10/04
SPE clean-up (omitting 40% Wash): Initials/Date: KB / 02/10/04
Final volume adjusted to 5 mL: Initials/Date: KB / 02/10/04
Extracts placed in refrigerator # 32 Initials/Date: KB / 02/10/04

"THIS IS AN EXACT COPY OF THE ORIGINAL DOCUMENT"
BY KB DATE 02/16/04

STANDARD EXPIRATION DATE: 2/24/04

Comments: ^This type I water has been filtered through a hypercarb filter

$$ Method of Analysis for the Determination of Perfluorooctane sulfonate (PFOS), Perfluorooctane sulfonylamide (PFOSA), and Perfluorooctanoate (POAA) in Water

July 10, 2001/0

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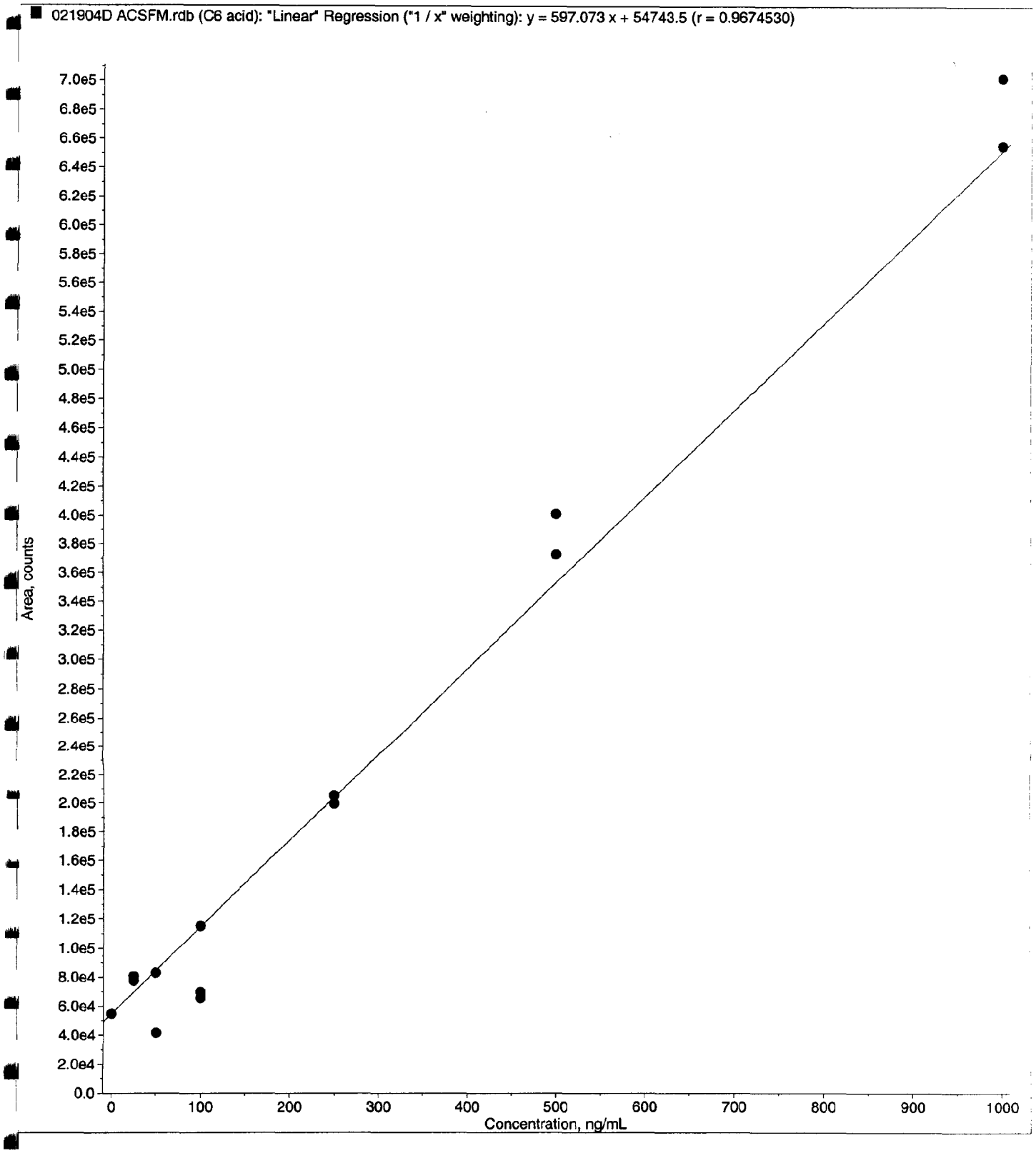
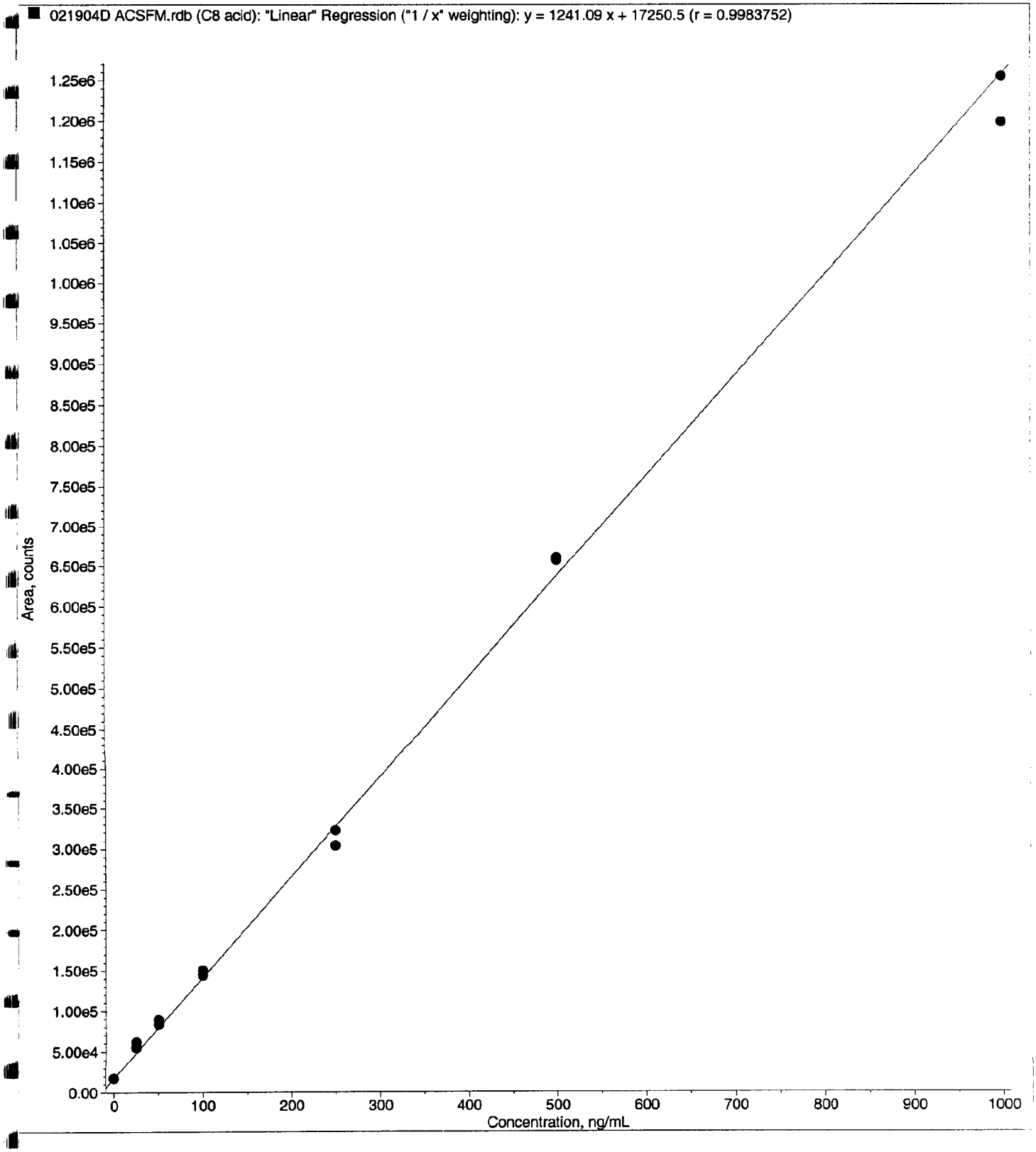
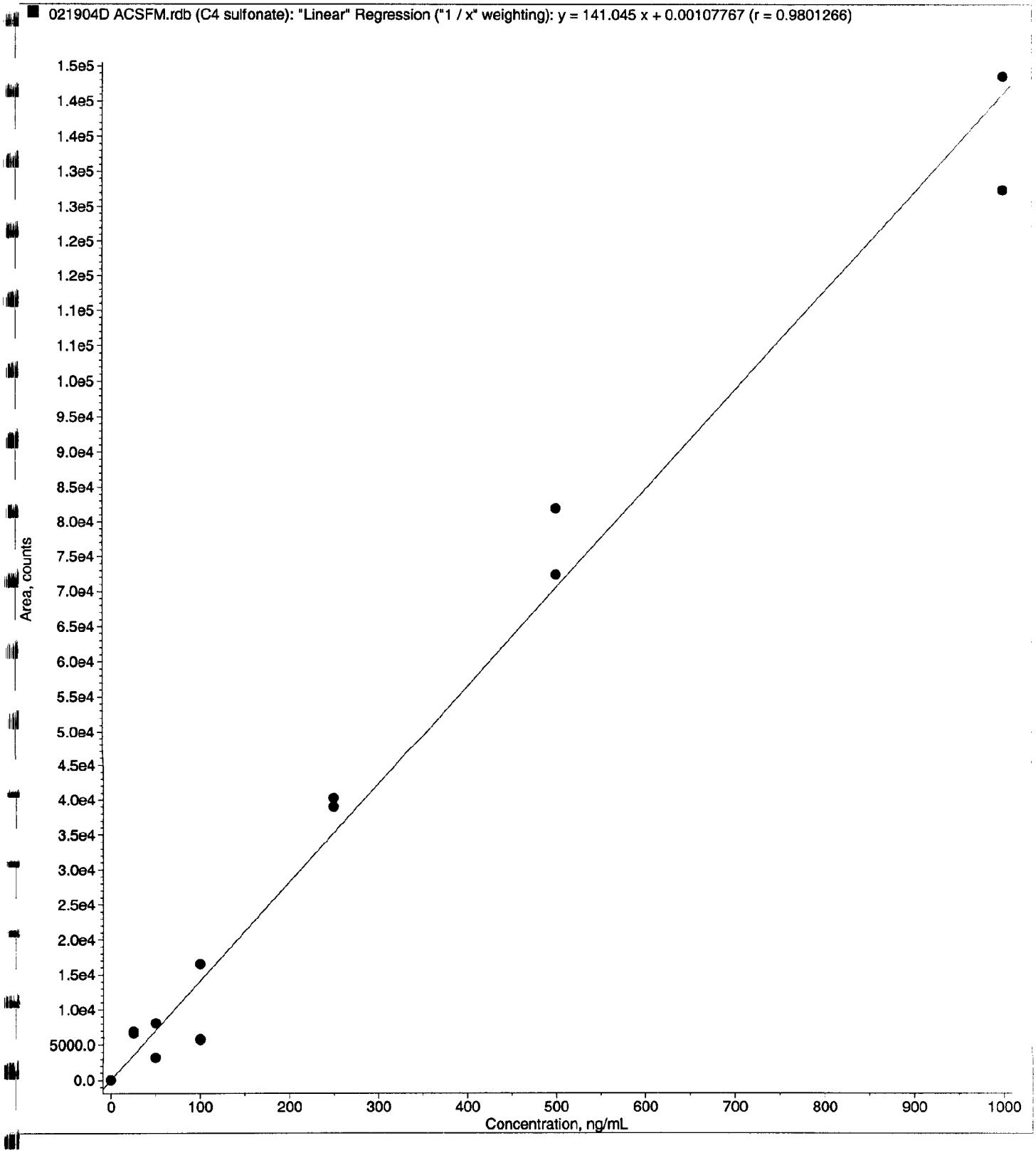
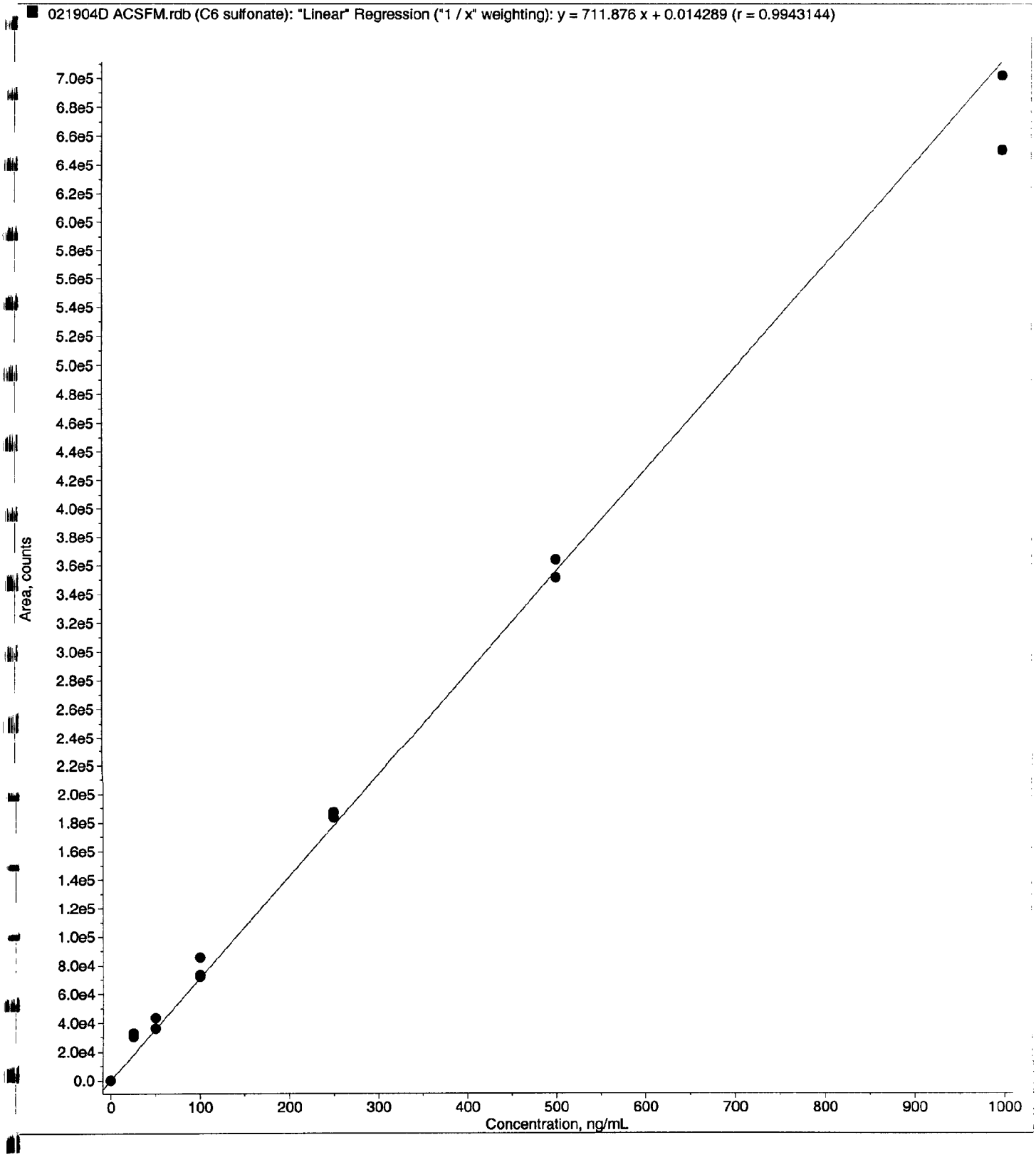
Printing Date: Monday, March 01, 2004 Set Number: 021904D ACSFM Page 1 of 1
Printing Time: 02:17:11 PM LC/MS/MS #8
Exygen Study Number: L1874

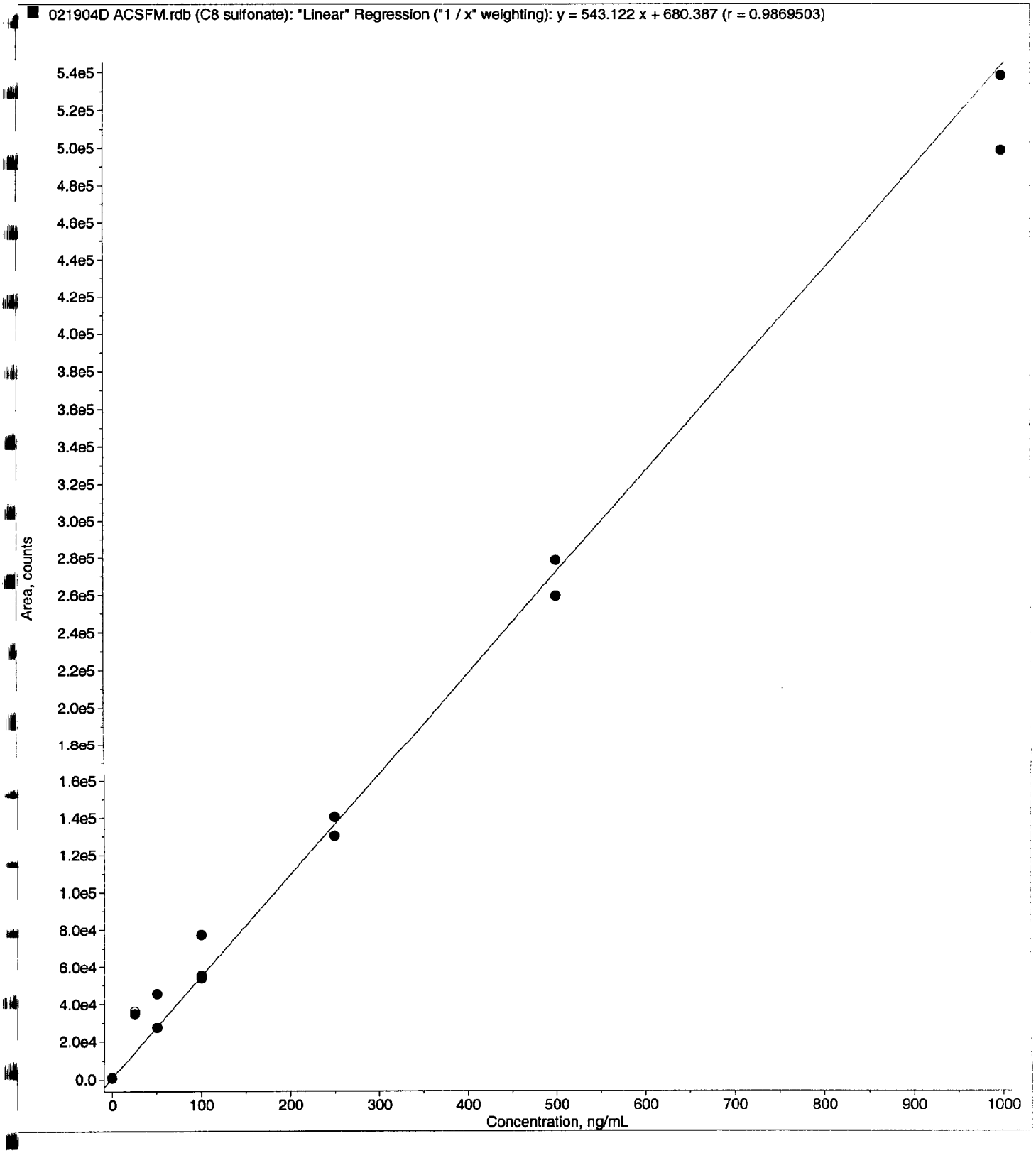


Printing Date: Monday, March 01, 2004 Set Number: 021904D ACSFM Page 1 of 1
Printing Time: 02:17:16 PM LC/MS/MS #8
Exygen Study Number: L1874

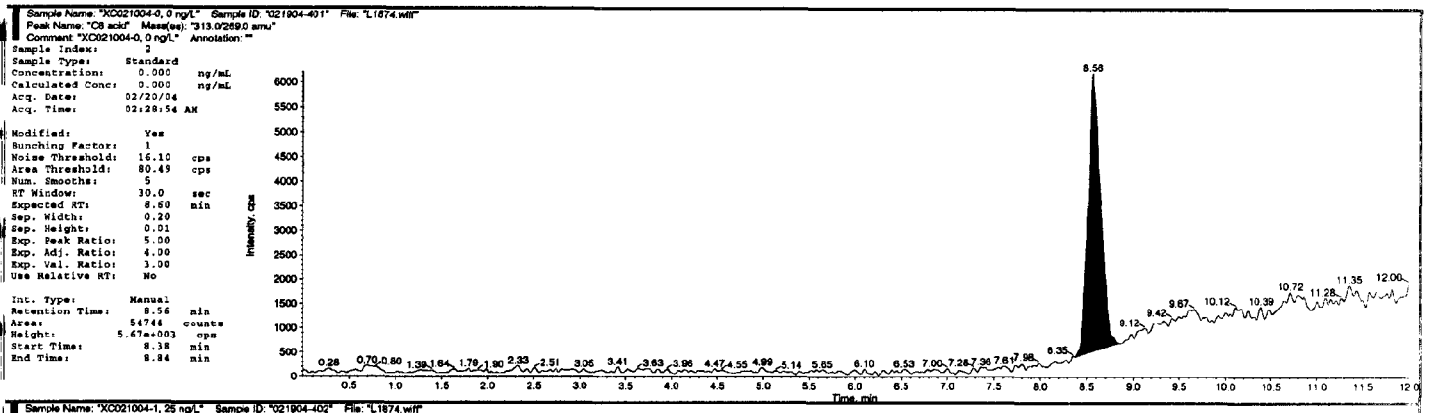


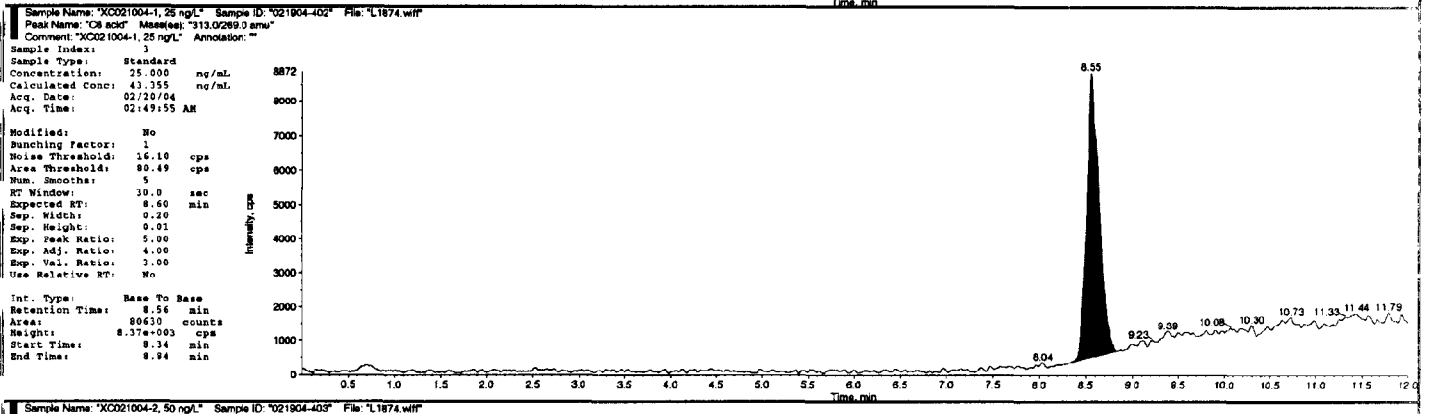

021904D ACSFM.rdb (C4 sulfonate): "Linear" Regression ("1 / x" weighting): y = 141.045 x + 0.00107767 (r = 0.9801266)
Area, counts
1.5e5
1.4e5
1.4e5
1.3e5
1.3e5
1.2e5
1.2e5
1.1e5
1.1e5
1.0e5
9.5e4
9.0e4
8.5e4
8.0e4
7.5e4
7.0e4
6.5e4
6.0e4
5.5e4
5.0e4
4.5e4
4.0e4
3.5e4
3.0e4
2.5e4
2.0e4
1.5e4
1.0e4
5000.0
0.0
0
100
200
300
400
500
600
700
800
900
1000
Concentration, ng/mL

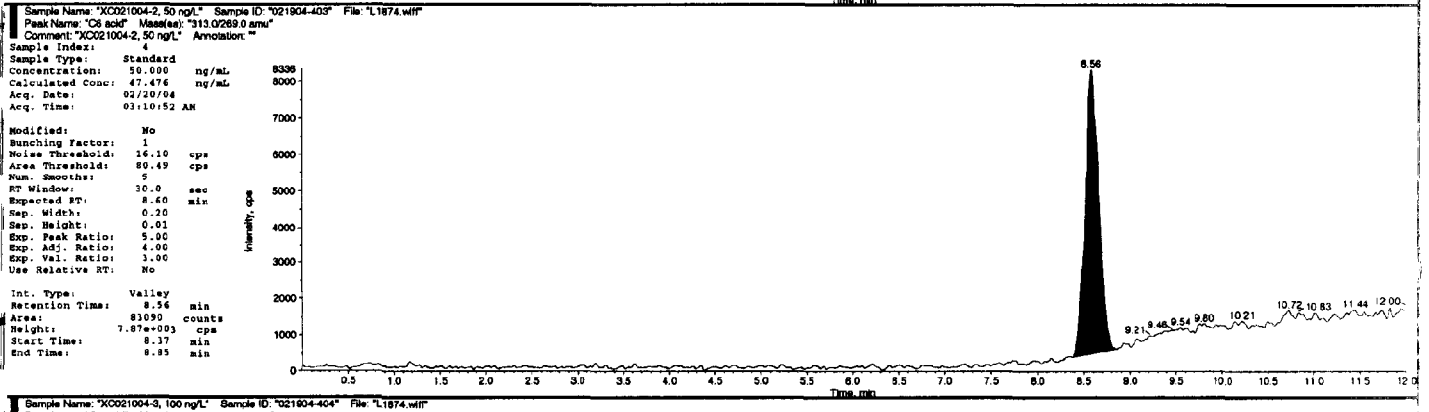

021904D ACSFM.rdb (C6 sulfonate): "Linear" Regression ("1 / x" weighting): y = 711.876 x + 0.014289 (r = 0.9943144)
Area, counts
7.0e5
6.8e5
6.6e5
6.4e5
6.2e5
6.0e5
5.8e5
5.6e5
5.4e5
5.2e5
5.0e5
4.8e5
4.6e5
4.4e5
4.2e5
4.0e5
3.8e5
3.6e5
3.4e5
3.2e5
3.0e5
2.8e5
2.6e5
2.4e5
2.2e5
2.0e5
1.8e5
1.6e5
1.4e5
1.2e5
1.0e5
8.0e4
6.0e4
4.0e4
2.0e4
0.0
0
100
200
300
400
500
600
700
800
900
1000
Concentration, ng/mL

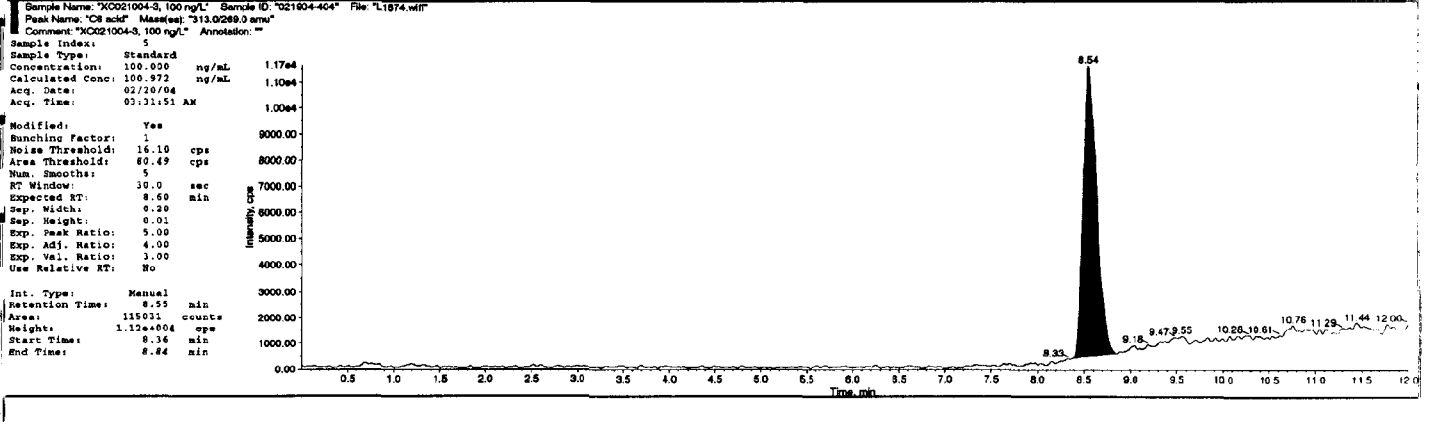


CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862


Sample Name: "XC021004-0, 0 ng/L" Sample ID: "021904-401" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "313.0/269.0 amu"
Comment: "XC021004-0, 0 ng/L" Annotation: ""
Sample Index: 2
Sample Type: Standard
Concentration: 0.000 ng/mL
Calculated Conc: 0.000 ng/mL
Acq. Date: 02/20/04
Acq. Time: 02:28:54 AM
Modified: Yes
Bunching Factor: 1
Noise Threshold: 16.10 cps
Area Threshold: 80.49 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 8.60 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Manual
Retention Time: 8.56 min
Area: 54744 counts
Height: 5.67e+003 cps
Start Time: 8.38 min
End Time: 8.84 min
Intensity, cps
Time, min

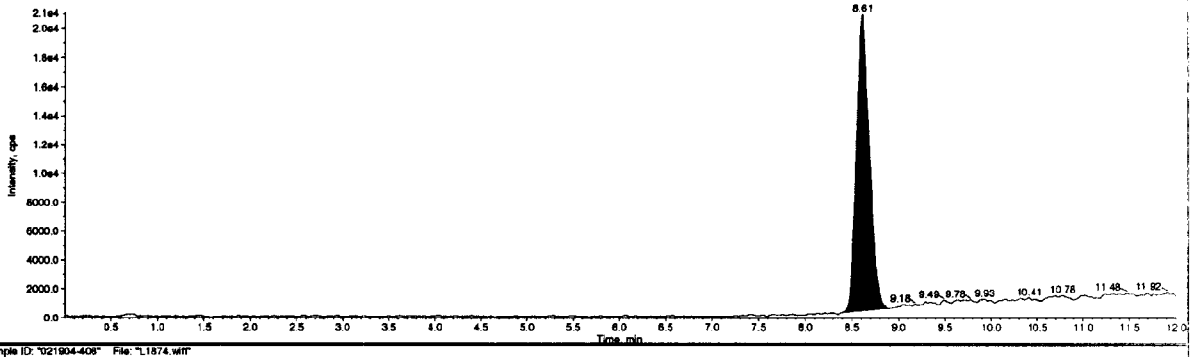

Sample Name: "XC021004-1, 25 ng/L" Sample ID: "021904-402" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "313.0/269.0 amu"
Comment: "XC021004-1, 25 ng/L" Annotation: ""
Sample Index: 3
Sample Type: Standard
Concentration: 25.000 ng/mL
Calculated Conc: 43.355 ng/mL
Acq. Date: 02/20/04
Acq. Time: 02:49:55 AM
Modified: No
Bunching Factor: 1
Noise Threshold: 16.10 cps
Area Threshold: 80.49 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 8.60 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Base To Base
Retention Time: 8.56 min
Area: 80630 counts
Height: 8.37e+003 cps
Start Time: 8.34 min
End Time: 8.94 min
Intensity, cps
Time, min


Sample Name: "XC021004-2, 50 ng/L" Sample ID: "021904-403" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "313.0/269.0 amu"
Comment: "XC021004-2, 50 ng/L" Annotation: ""
Sample Index: 4
Sample Type: Standard
Concentration: 50.000 ng/mL
Calculated Conc: 47.476 ng/mL
Acq. Date: 02/20/04
Acq. Time: 03:10:52 AM
Modified: No
Bunching Factor: 1
Noise Threshold: 16.10 cps
Area Threshold: 80.49 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 8.60 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Valley
Retention Time: 8.56 min
Area: 83090 counts
Height: 7.87e+003 cps
Start Time: 8.37 min
End Time: 8.85 min
Intensity, cps
Time, min


Sample Name: "XC021004-3, 100 ng/L" Sample ID: "021904-404" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "313.0/269.0 amu"
Comment: "XC021004-3, 100 ng/L" Annotation: ""
Sample Index: 5
Sample Type: Standard
Concentration: 100.000 ng/mL
Calculated Conc: 100.972 ng/mL
Acq. Date: 02/20/04
Acq. Time: 03:31:51 AM
Modified: Yes
Bunching Factor: 1
Noise Threshold: 16.10 cps
Area Threshold: 80.49 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 8.60 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Manual
Retention Time: 8.55 min
Area: 115031 counts
Height: 1.12e+004 cps
Start Time: 8.36 min
End Time: 8.84 min
Intensity, cps
Time, min

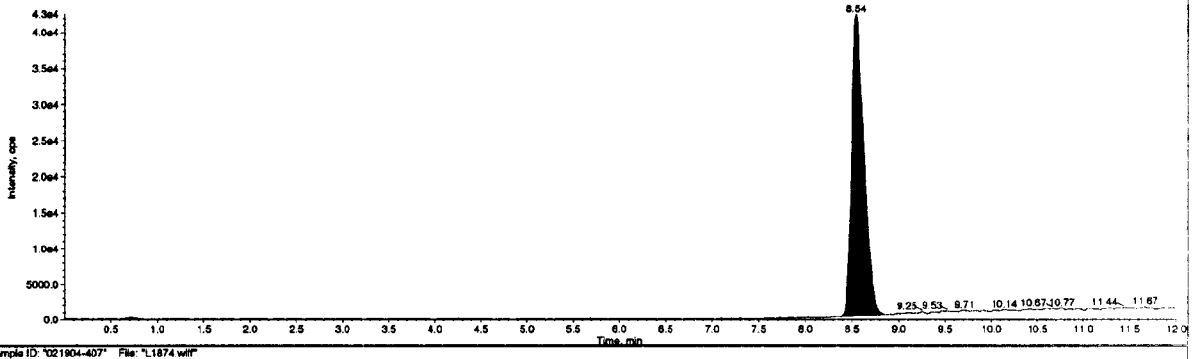
Sample Name: "XC021004-4, 250 ng/L" Sample ID: "021904-405" File: "L1874.wiff"
Peak Name: "D8 acid" Mass(es): "313.0/269.0 amu"
Comment: "XC021004-4, 250 ng/L" Annotation: ""

Sample Index:	6	
Sample Type:	Standard	
Concentration:	250.000	ng/mL
Calculated Conc:	252.244	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	03:52:48 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.60	min
Area:	205351	counts
Height:	2.06e+004	cps
Start Time:	8.40	min
End Time:	8.91	min



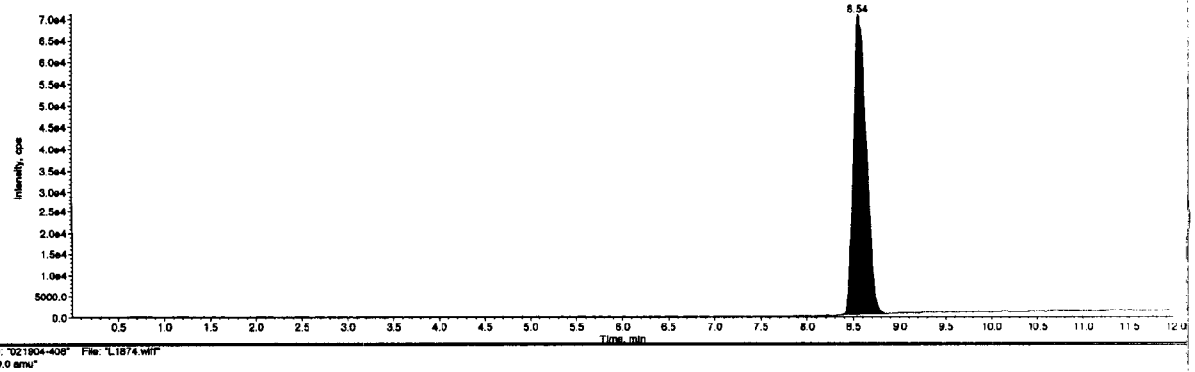
Sample Name: "XC021004-5, 500 ng/L" Sample ID: "021904-406" File: "L1874.wiff"
Peak Name: "D8 acid" Mass(es): "313.0/269.0 amu"
Comment: "XC021004-5, 500 ng/L" Annotation: ""

Sample Index:	7	
Sample Type:	Standard	
Concentration:	500.000	ng/mL
Calculated Conc:	580.456	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	04:13:49 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Valley	
Retention Time:	8.55	min
Area:	401318	counts
Height:	4.21e+004	cps
Start Time:	8.38	min
End Time:	8.86	min



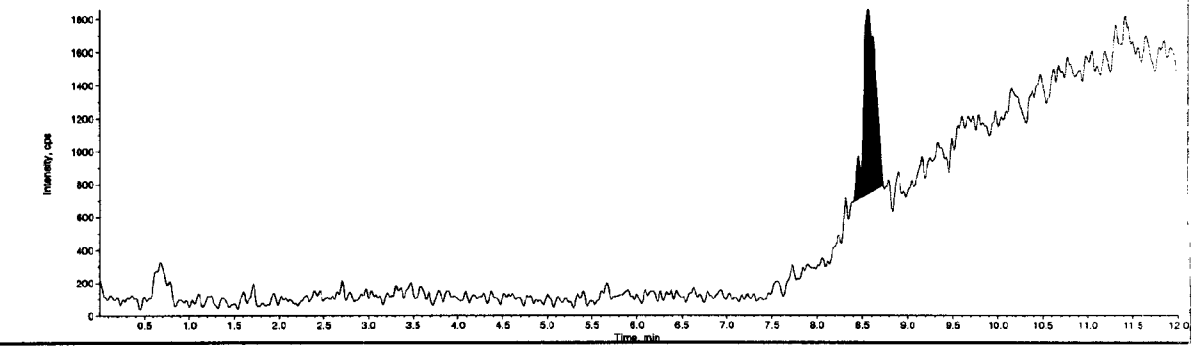
Sample Name: "XC021004-6, 1000 ng/L" Sample ID: "021904-407" File: "L1874.wiff"
Peak Name: "D8 acid" Mass(es): "313.0/269.0 amu"
Comment: "XC021004-6, 1000 ng/L" Annotation: ""

Sample Index:	8	
Sample Type:	Standard	
Concentration:	1000.000	ng/mL
Calculated Conc:	1084.244	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	04:34:48 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.54	min
Area:	702116	counts
Height:	7.06e+004	cps
Start Time:	8.36	min
End Time:	8.84	min



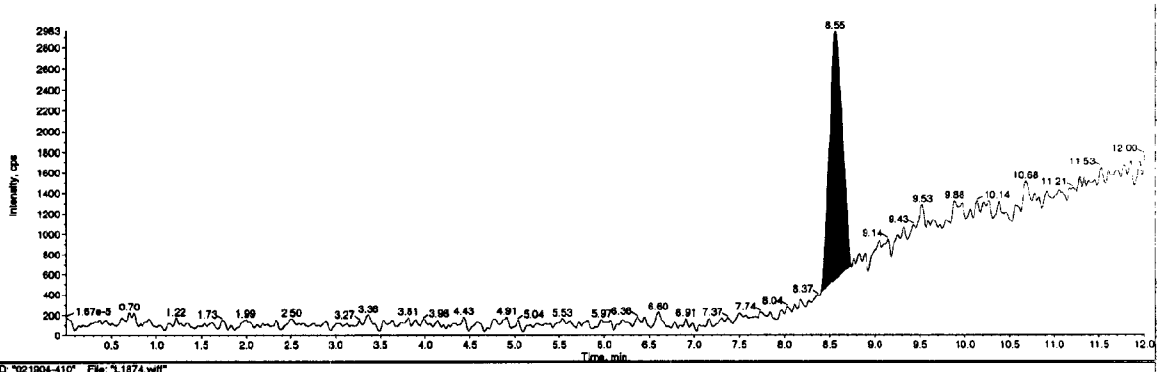
Sample Name: "Methanol Wash" Sample ID: "021904-408" File: "L1874.wiff"
Peak Name: "D8 acid" Mass(es): "313.0/269.0 amu"
Comment: "Methanol Wash" Annotation: ""

Sample Index:	9	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	No Intercept	
Acq. Date:	02/20/04	
Acq. Time:	04:55:46 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.57	min
Area:	10919	counts
Height:	1.12e+003	cps
Start Time:	8.40	min
End Time:	8.76	min



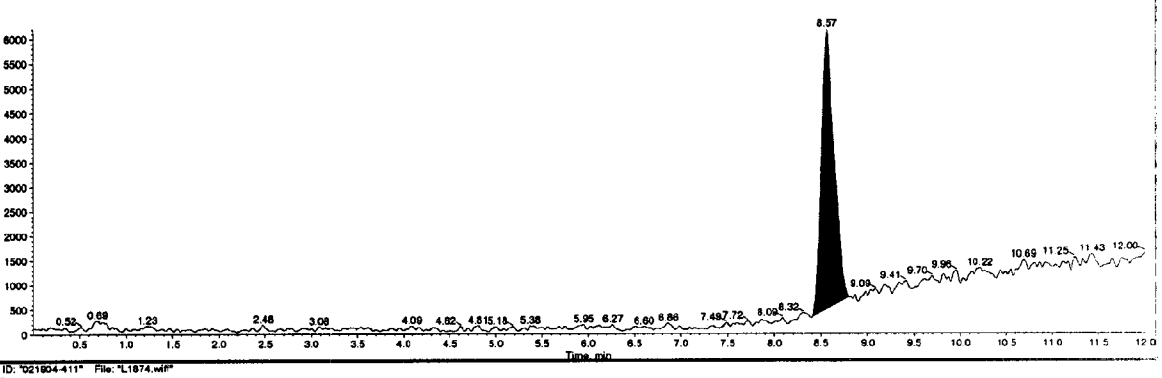
Sample Name: "0106020 Control" Sample ID: "021904-409" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "313.0/269.0 amu"
Comment: "0106020 Control" Annotation: ""

Sample Index:	10	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	No Intercept	
Acq. Date:	02/20/04	
Acq. Time:	05:16:48 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.56	min
Area:	24655	counts
Height:	2.42e+003	cps
Start Time:	8.39	min
End Time:	8.73	min



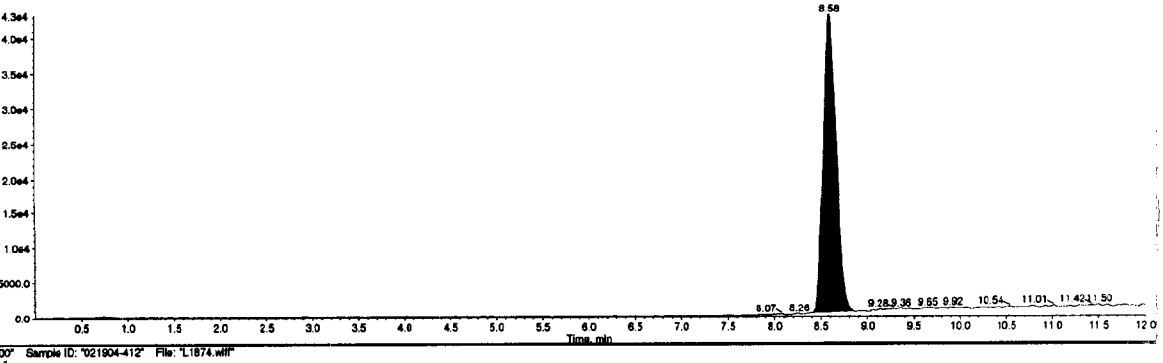
Sample Name: "0106020 Spk A, 50 ng/L" Sample ID: "021904-410" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "313.0/269.0 amu"
Comment: "0106020 Spk A, 50 ng/L" Annotation: ""

Sample Index:	11	
Sample Type:	QC	
Concentration:	50.000	ng/mL
Calculated Conc:	0.349	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	05:37:50 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.57	min
Area:	54952	counts
Height:	5.70e+003	cps
Start Time:	8.40	min
End Time:	8.82	min



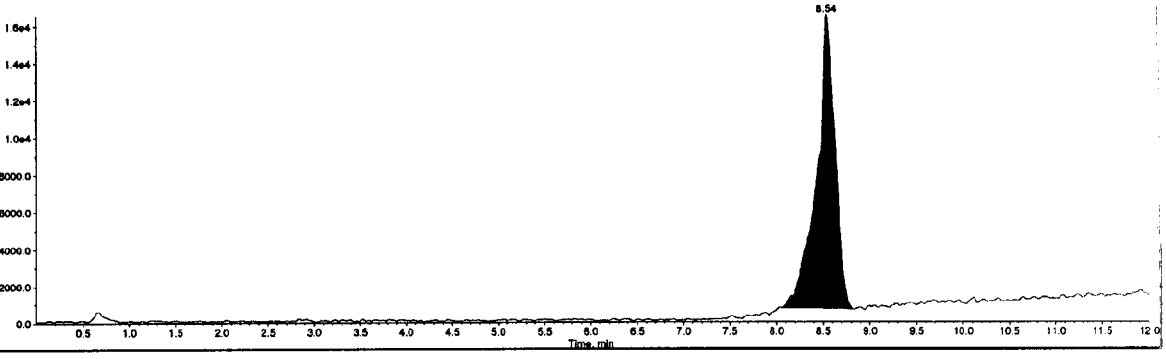
Sample Name: "0106020 Spk B, 500 ng/L" Sample ID: "021904-411" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "313.0/269.0 amu"
Comment: "0106020 Spk B, 500 ng/L" Annotation: ""

Sample Index:	12	
Sample Type:	QC	
Concentration:	500.000	ng/mL
Calculated Conc:	618.212	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	05:58:47 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.58	min
Area:	423861	counts
Height:	4.27e+004	cps
Start Time:	8.40	min
End Time:	8.87	min



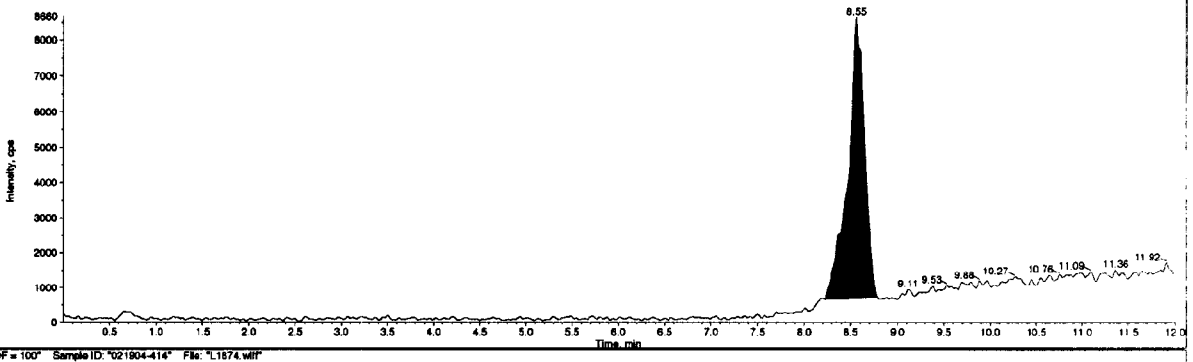
Sample Name: "L1874-1 Spk C, 10000 ng/L DF = 100" Sample ID: "021904-412" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "313.0/269.0 amu"
Comment: "L1874-1 Spk C, 10000 ng/L DF = 100" Annotation: ""

Sample Index:	13	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	285.080	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	06:19:50 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.55	min
Area:	224957	counts
Height:	1.59e+004	cps
Start Time:	8.05	min
End Time:	8.83	min



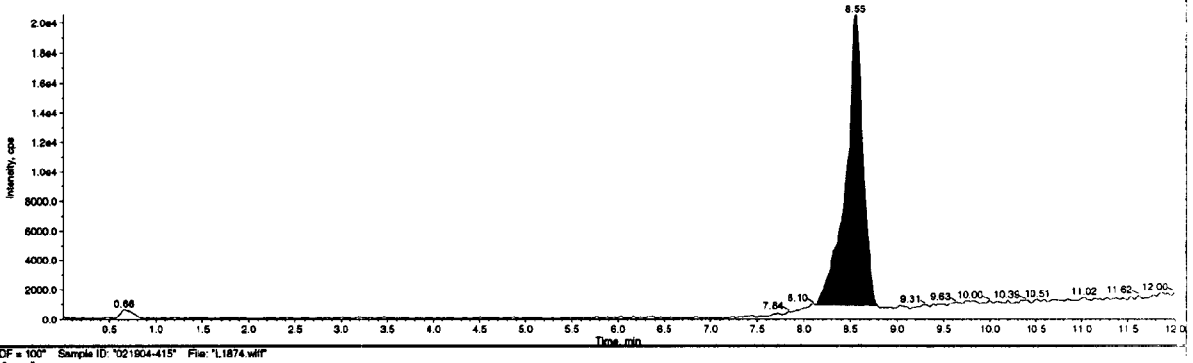
Sample Name: "L1874-5 Spk D, 10000 ng/L DF = 100" Sample ID: "021904-413" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "313.0/269.0 amu"
Comment: "L1874-5 Spk D, 10000 ng/L DF = 100" Annotation: ""

Sample Index:	14	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	79.503	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	06:40:51 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.55	min
Area:	102213	counts
Height:	7.97e+003	cps
Start Time:	8.22	min
End Time:	8.81	min



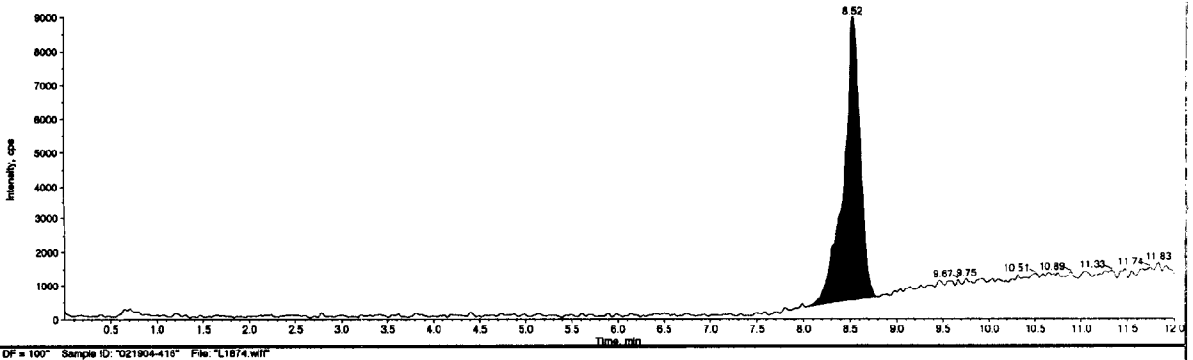
Sample Name: "L1874-9 Spk E, 10000 ng/L DF = 100" Sample ID: "021904-414" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "313.0/269.0 amu"
Comment: "L1874-9 Spk E, 10000 ng/L DF = 100" Annotation: ""

Sample Index:	15	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	339.636	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	07:01:46 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.55	min
Area:	257531	counts
Height:	1.96e+004	cps
Start Time:	8.13	min
End Time:	8.81	min



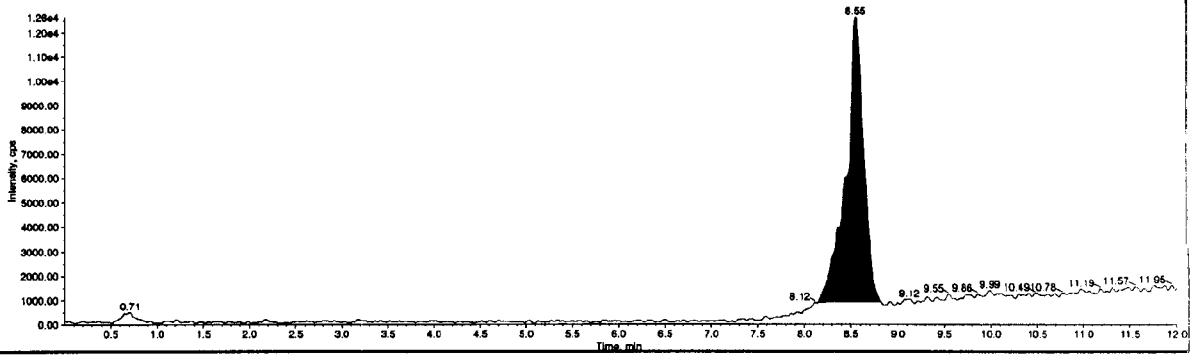
Sample Name: "L1874-13 Spk F, 10000 ng/L DF = 100" Sample ID: "021904-415" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "313.0/269.0 amu"
Comment: "L1874-13 Spk F, 10000 ng/L DF = 100" Annotation: ""

Sample Index:	16	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	88.673	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	07:22:46 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Valley	
Retention Time:	8.52	min
Area:	107688	counts
Height:	8.46e+003	cps
Start Time:	8.05	min
End Time:	8.79	min



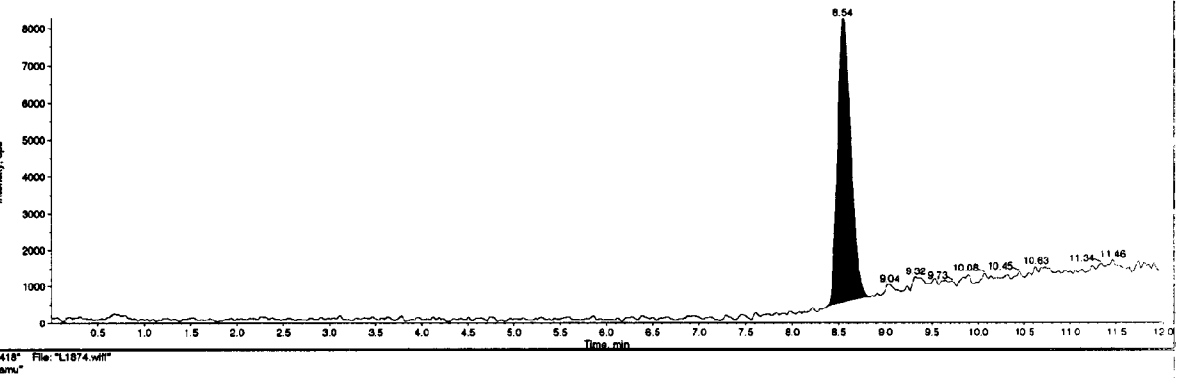
Sample Name: "L1874-17 Spk G, 10000 ng/L DF = 100" Sample ID: "021904-416" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "313.0/269.0 amu"
Comment: "L1874-17 Spk G, 10000 ng/L DF = 100" Annotation: ""

Sample Index:	17	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	171.802	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	07:43:49 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.55	min
Area:	157322	counts
Height:	1.17e+004	cps
Start Time:	8.14	min
End Time:	8.84	min



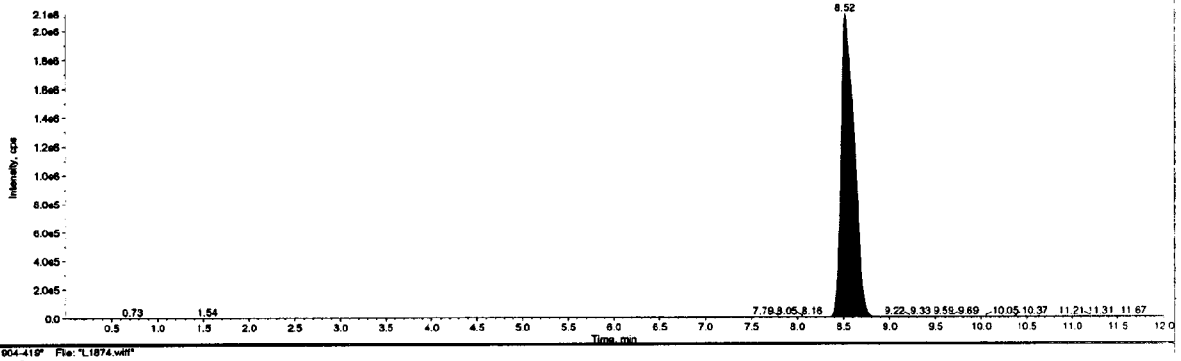
Sample Name: "KC021004-1, 25 ng/L" Sample ID: "021904-417" File: "L1874.wiff"
Peak Name: "C6 acid" Mass(es): "313.0/269.0 amu"
Comment: "KC021004-1, 25 ng/L" Annotation: ""

Sample Index:	18	
Sample Type:	Standard	
Concentration:	25.000	ng/mL
Calculated Conc:	38.174	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	08:04:48 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.54	min
Area:	77536	counts
Height:	7.74e+003	cps
Start Time:	8.36	min
End Time:	8.82	min



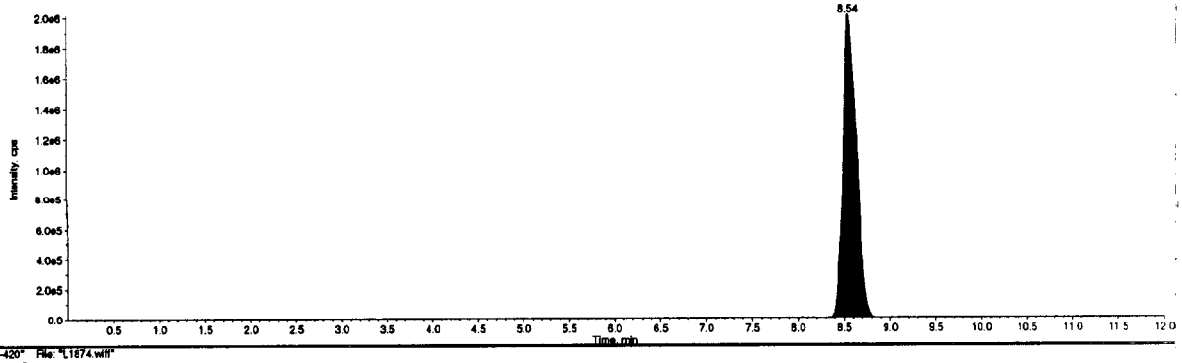
Sample Name: "L1874-1" Sample ID: "021904-418" File: "L1874.wiff"
Peak Name: "C6 acid" Mass(es): "313.0/269.0 amu"
Comment: "L1874-1" Annotation: ""

Sample Index:	19	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	35558.552	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	08:25:46 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Valley	
Retention Time:	8.52	min
Area:	21285786	counts
Height:	2.12e+006	cps
Start Time:	8.21	min
End Time:	8.90	min



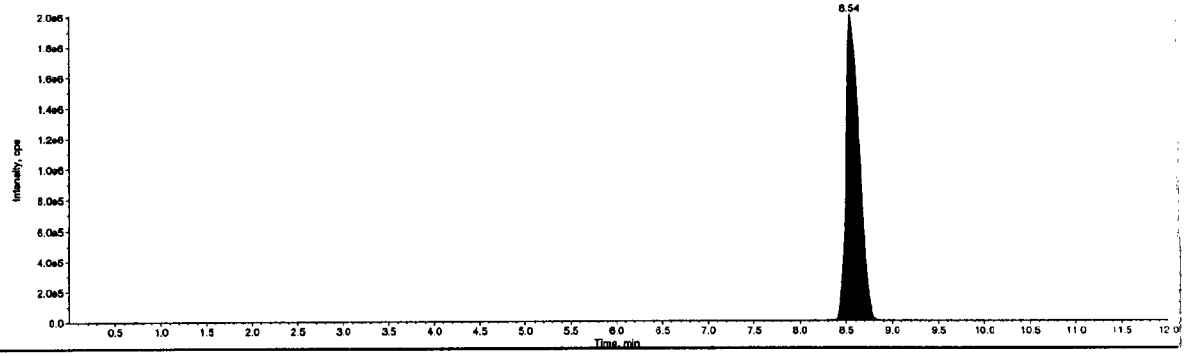
Sample Name: "L1874-1 Rep" Sample ID: "021904-419" File: "L1874.wiff"
Peak Name: "C6 acid" Mass(es): "313.0/269.0 amu"
Comment: "L1874-1 Rep" Annotation: ""

Sample Index:	20	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	35327.363	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	08:46:45 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Base To Base	
Retention Time:	8.53	min
Area:	21147749	counts
Height:	2.01e+006	cps
Start Time:	8.19	min
End Time:	8.95	min



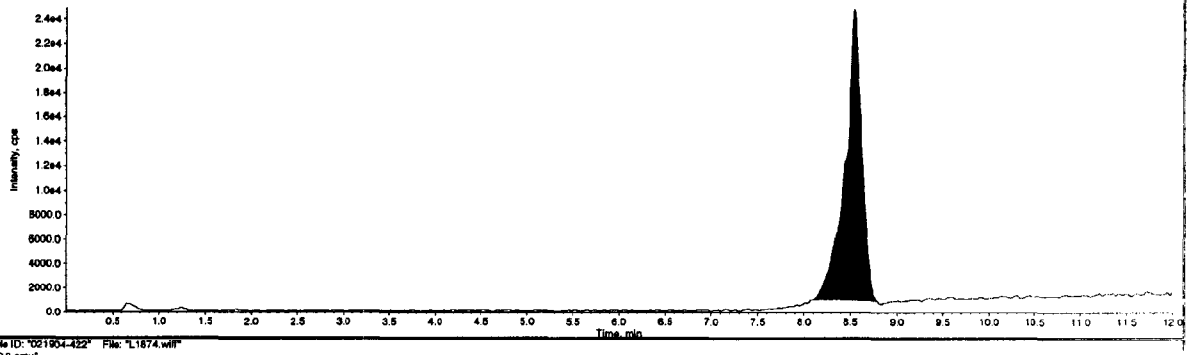
Sample Name: "L1874-2" Sample ID: "021904-420" File: "L1874.wiff"
Peak Name: "C6 acid" Mass(es): "313.0/269.0 amu"
Comment: "L1874-2" Annotation: ""

Sample Index:	21	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	34432.512	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	09:07:45 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Valley	
Retention Time:	8.55	min
Area:	20613458	counts
Height:	2.01e+006	cps
Start Time:	8.24	min
End Time:	8.93	min



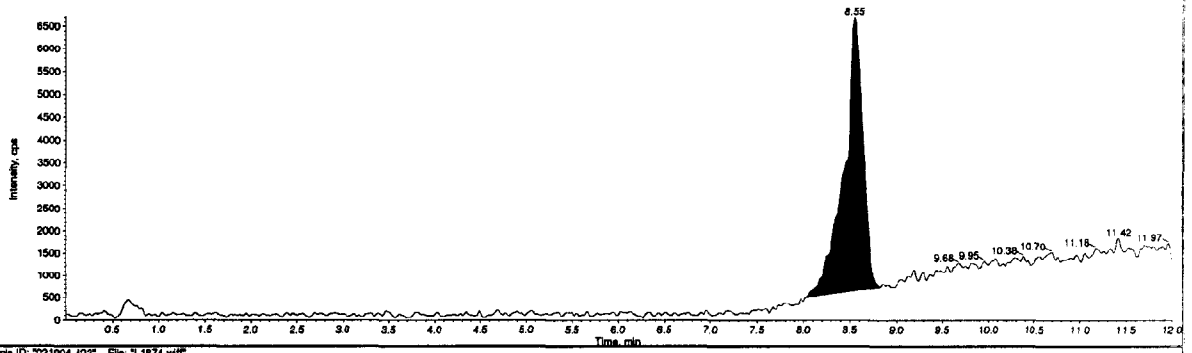
Sample Name: "L1874-3 DF = 100" Sample ID: "021904-421" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "313.0/269.0 amu"
Comment: "L1874-3 DF = 100" Annotation: ""

Sample Index:	22	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	419.542	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	09:28:48 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.54	min
Area:	305241	counts
Height:	2.39e+004	cps
Start Time:	8.10	min
End Time:	8.81	min



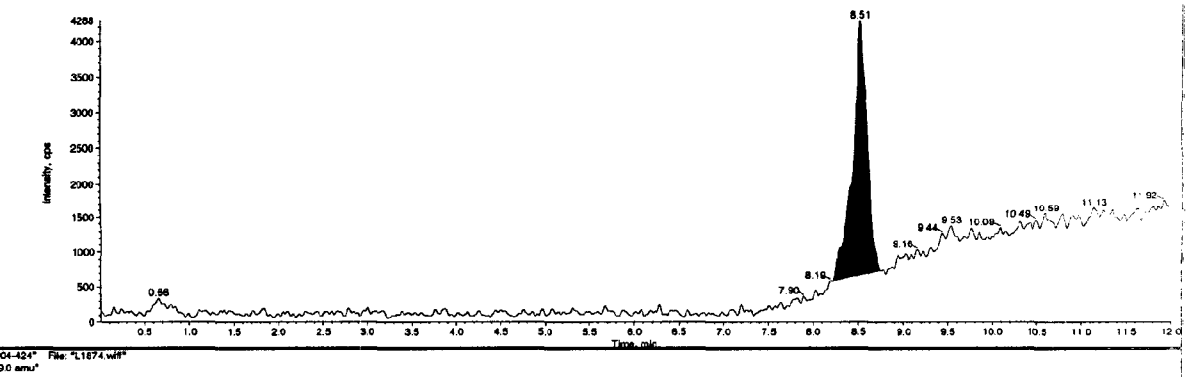
Sample Name: "L1874-4 DF = 1000" Sample ID: "021904-422" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "313.0/269.0 amu"
Comment: "L1874-4 DF = 1000" Annotation: ""

Sample Index:	23	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	56.320	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	09:49:47 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.56	min
Area:	88370	counts
Height:	6.08e+003	cps
Start Time:	8.04	min
End Time:	8.82	min



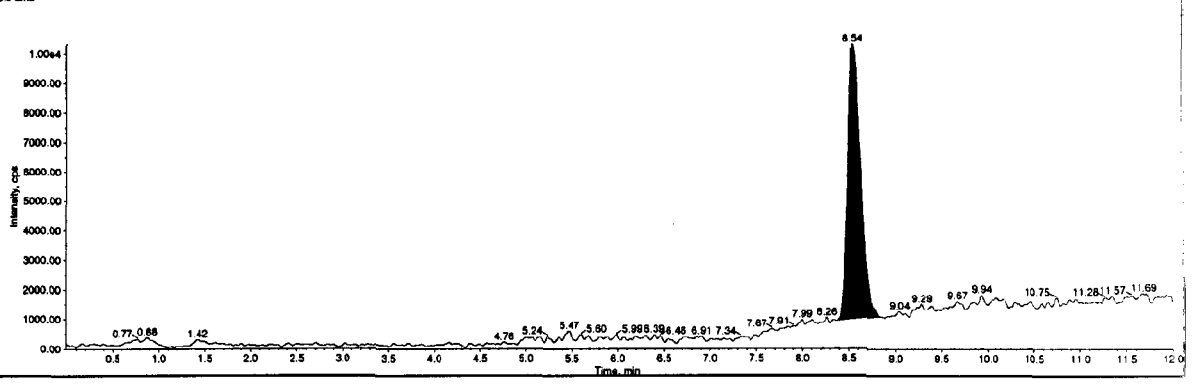
Sample Name: "XC021004-2, 50 ng/L" Sample ID: "021904-423" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "313.0/269.0 amu"
Comment: "XC021004-2, 50 ng/L" Annotation: ""

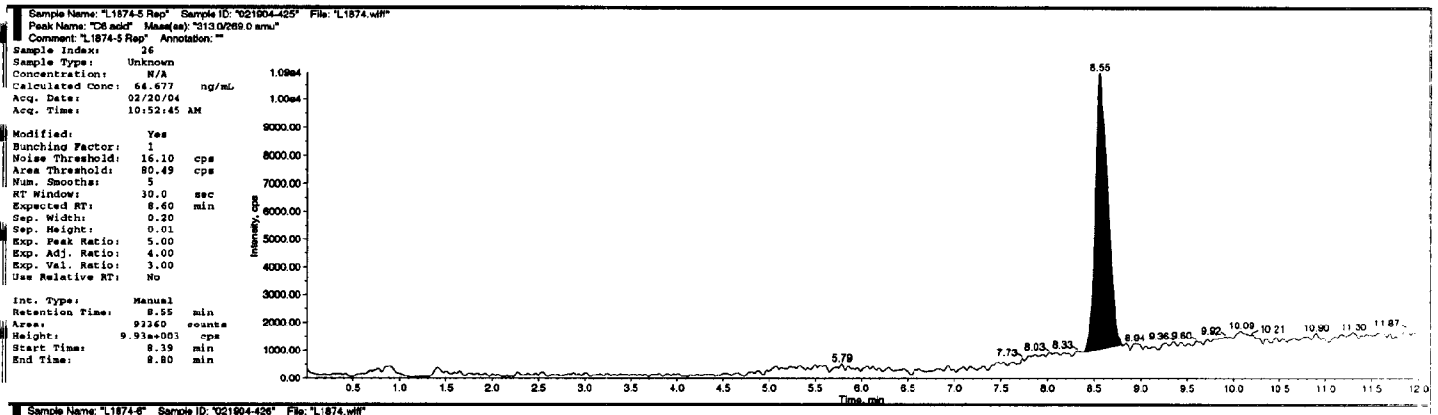
Sample Index:	24	
Sample Type:	Standard	
Concentration:	50.000	ng/mL
Calculated Conc:	No Intercept	
Acq. Date:	02/20/04	
Acq. Time:	10:10:46 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.51	min
Area:	41552	counts
Height:	3.63e+003	cps
Start Time:	8.21	min
End Time:	8.76	min

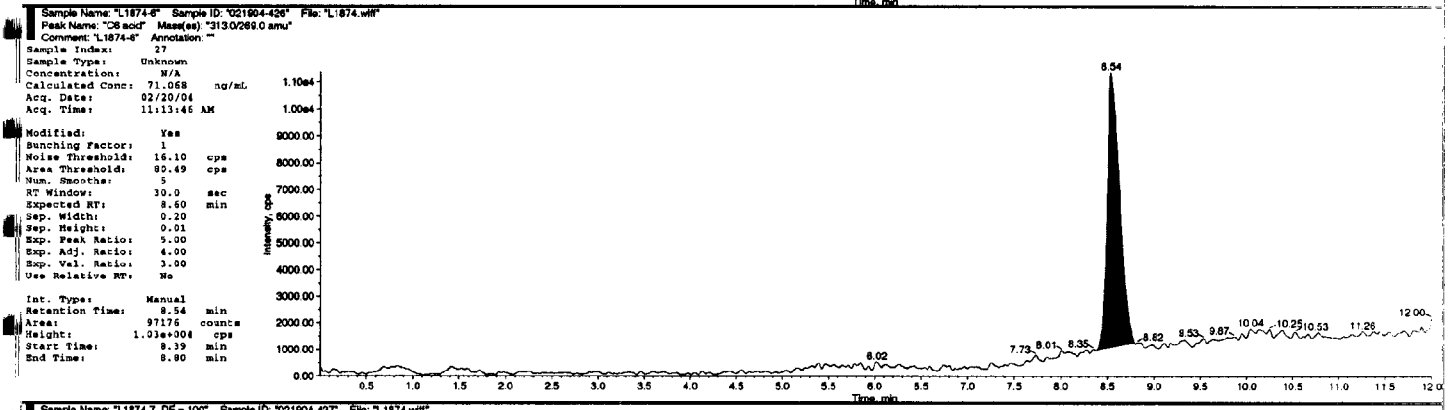


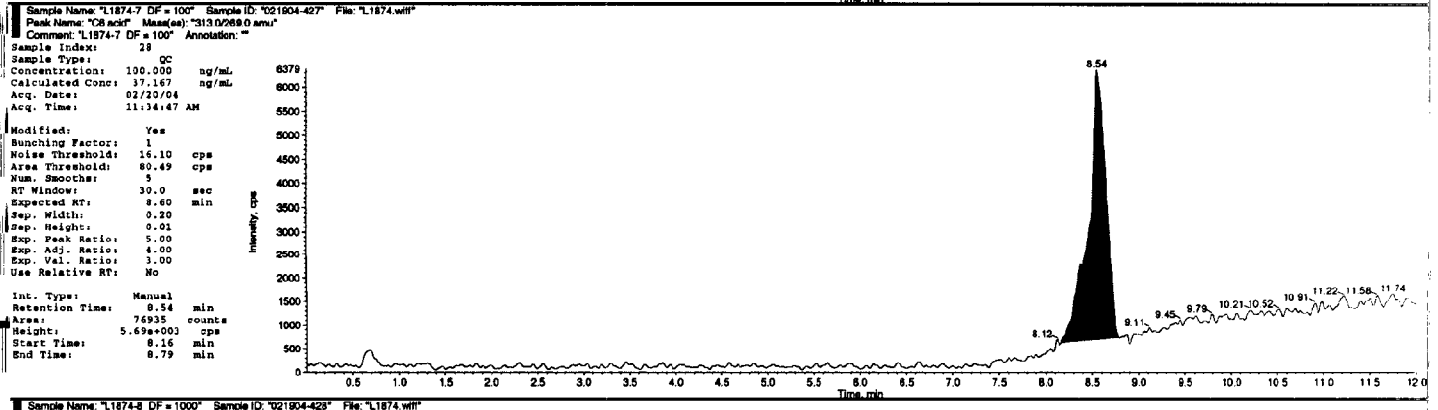
Sample Name: "L1874-5" Sample ID: "021904-424" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "313.0/269.0 amu"
Comment: "L1874-5" Annotation: ""

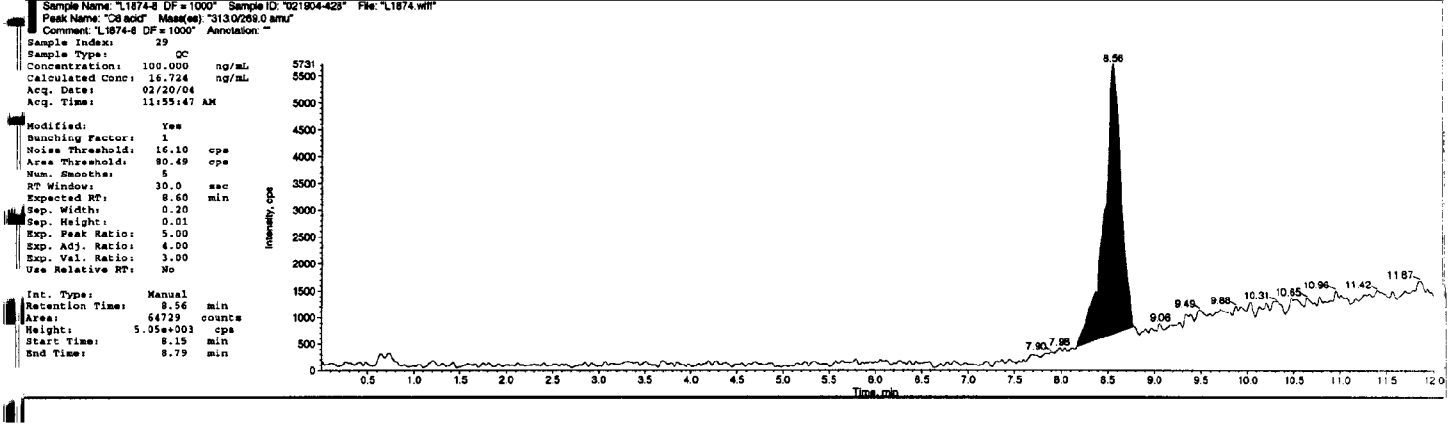
Sample Index:	25	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	64.394	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	10:31:45 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.54	min
Area:	93192	counts
Height:	9.36e+003	cps
Start Time:	8.36	min
End Time:	8.84	min







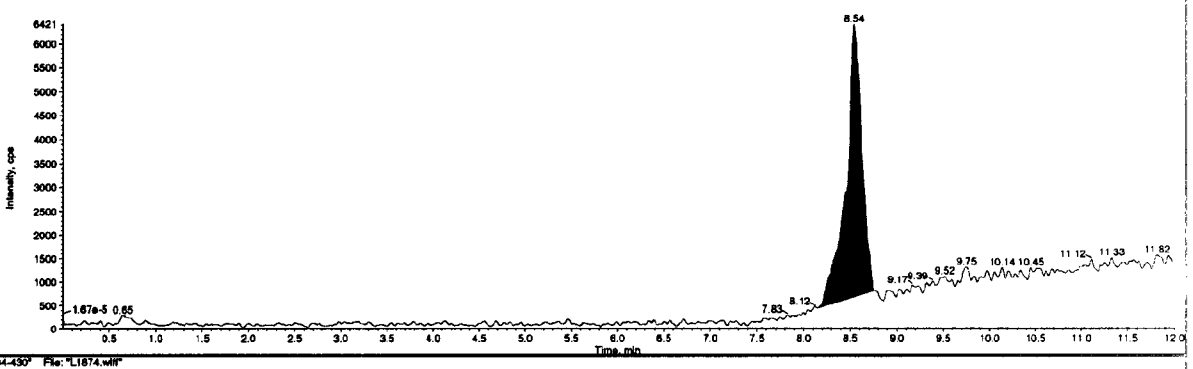




CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

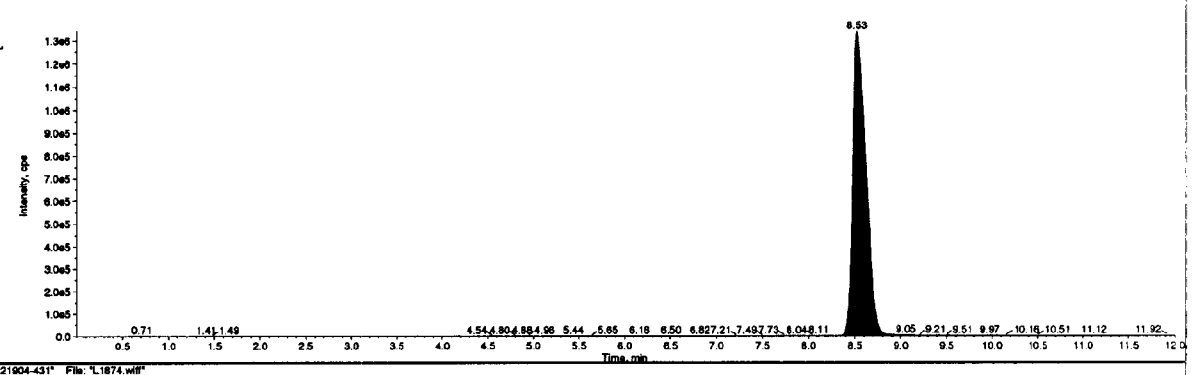
Sample Name: "XC021004-3, 100 ng/L" Sample ID: "021904-429" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "313.0/269.0 amu"
Comment: "XC021004-3, 100 ng/L" Annotation: ""

Sample Index:	30	
Sample Type:	Standard	
Concentration:	100.000	ng/mL
Calculated Conc:	24.974	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	12:16:46 PM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.54	min
Area:	69655	counts
Height:	5.75e+003	cps
Start Time:	8.16	min
End Time:	8.78	min



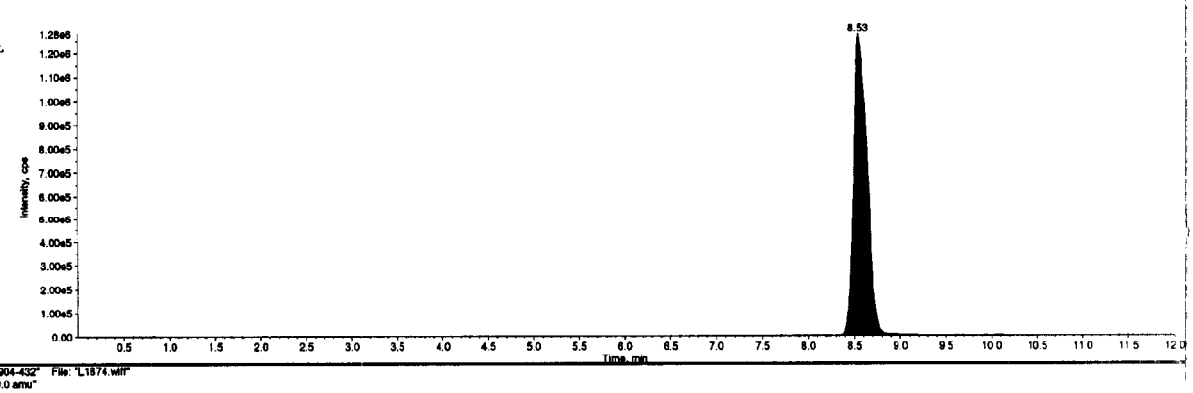
Sample Name: "L1874-9" Sample ID: "021904-430" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "313.0/269.0 amu"
Comment: "L1874-9" Annotation: ""

Sample Index:	31	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	22679.287	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	12:37:45 PM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.53	min
Area:	13595928	counts
Height:	1.34e+006	cps
Start Time:	8.33	min
End Time:	8.91	min



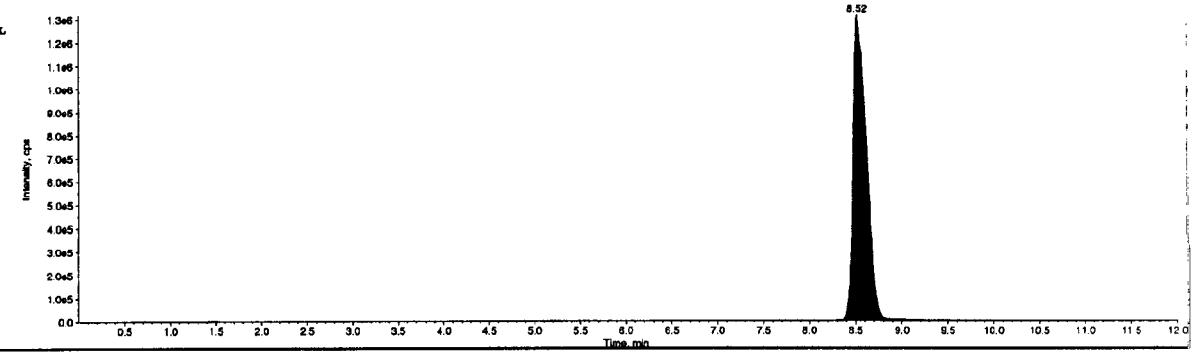
Sample Name: "L1874-9 Rep" Sample ID: "021904-431" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "313.0/269.0 amu"
Comment: "L1874-9 Rep" Annotation: ""

Sample Index:	32	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	22163.540	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	12:58:44 PM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Base To Base	
Retention Time:	8.53	min
Area:	13287589	counts
Height:	1.28e+006	cps
Start Time:	8.26	min
End Time:	8.95	min



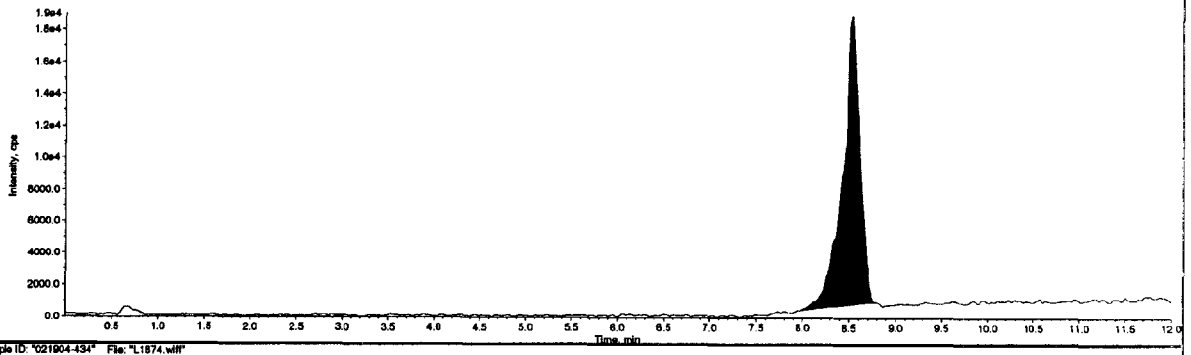
Sample Name: "L1874-10" Sample ID: "021904-432" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "313.0/269.0 amu"
Comment: "L1874-10" Annotation: ""

Sample Index:	33	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	22407.801	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	01:19:42 PM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.52	min
Area:	13433831	counts
Height:	1.32e+006	cps
Start Time:	8.31	min
End Time:	8.90	min



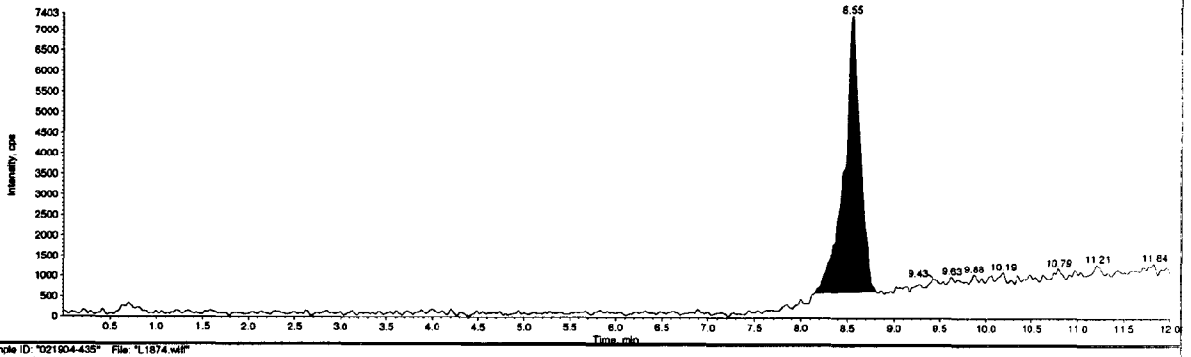
Sample Name: "L1874-11 DF = 100" Sample ID: "021904-433" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "313.0/269.0 amu"
Comment: "L1874-11 DF = 100" Annotation: ""

Sample Index:	34	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	107.842	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	01:40:41 PM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.52	min
Area:	238547	counts
Height:	1.82e+004	cps
Start Time:	7.98	min
End Time:	8.89	min



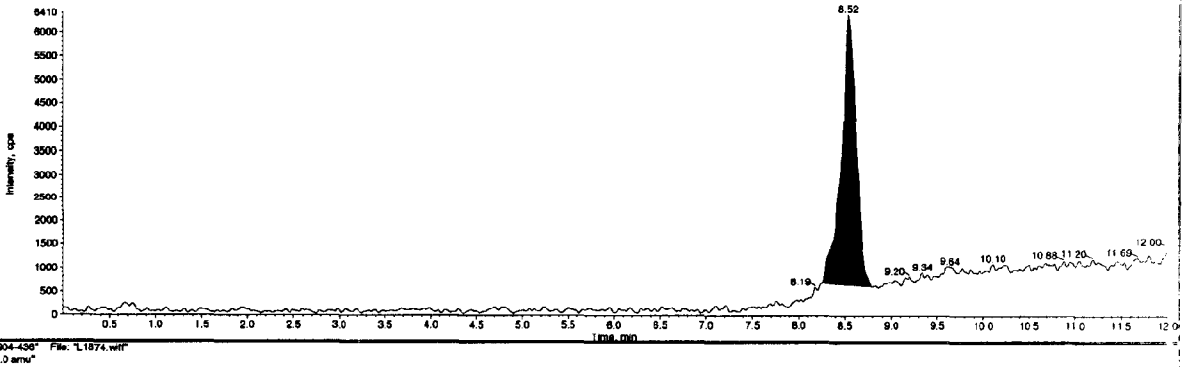
Sample Name: "L1874-12 DF = 1000" Sample ID: "021904-434" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "313.0/269.0 amu"
Comment: "L1874-12 DF = 1000" Annotation: ""

Sample Index:	35	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	47.175	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	02:01:39 PM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.56	min
Area:	82910	counts
Height:	6.76e+003	cps
Start Time:	8.13	min
End Time:	8.92	min



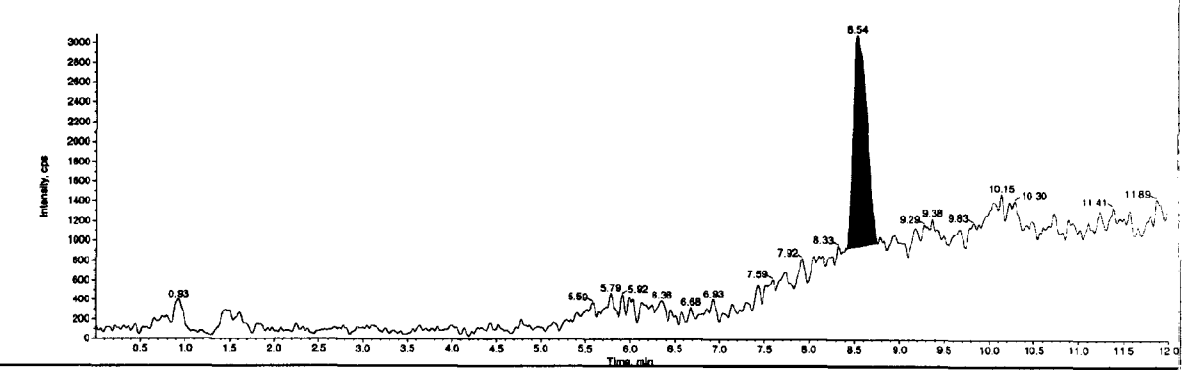
Sample Name: "XC021004-3, 100 ng/L" Sample ID: "021904-435" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "313.0/269.0 amu"
Comment: "XC021004-3, 100 ng/L" Annotation: ""

Sample Index:	36	
Sample Type:	Standard	
Concentration:	100.000	ng/mL
Calculated Conc:	18.164	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	02:22:40 PM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.52	min
Area:	65589	counts
Height:	5.76e+003	cps
Start Time:	8.26	min
End Time:	8.79	min



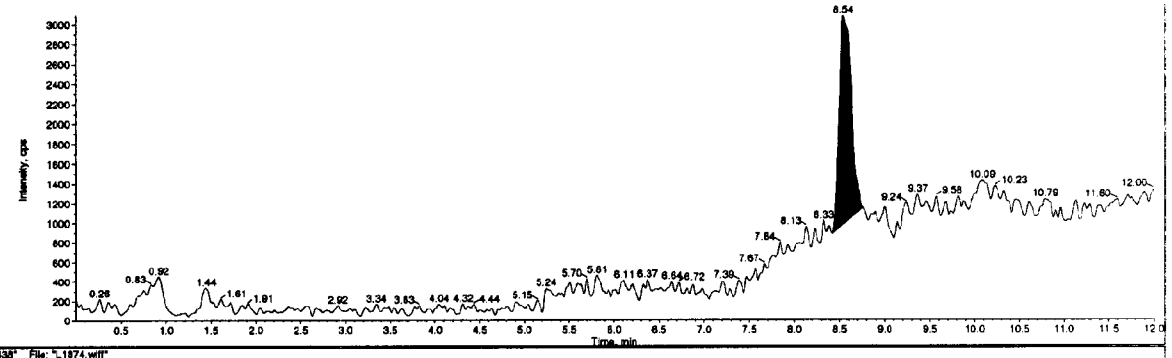
Sample Name: "L1874-13" Sample ID: "021904-436" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "313.0/269.0 amu"
Comment: "L1874-13" Annotation: ""

Sample Index:	37	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	No Intercept	
Acq. Date:	02/20/04	
Acq. Time:	02:43:38 PM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.54	min
Area:	22638	counts
Height:	3.14e+003	cps
Start Time:	8.40	min
End Time:	8.76	min



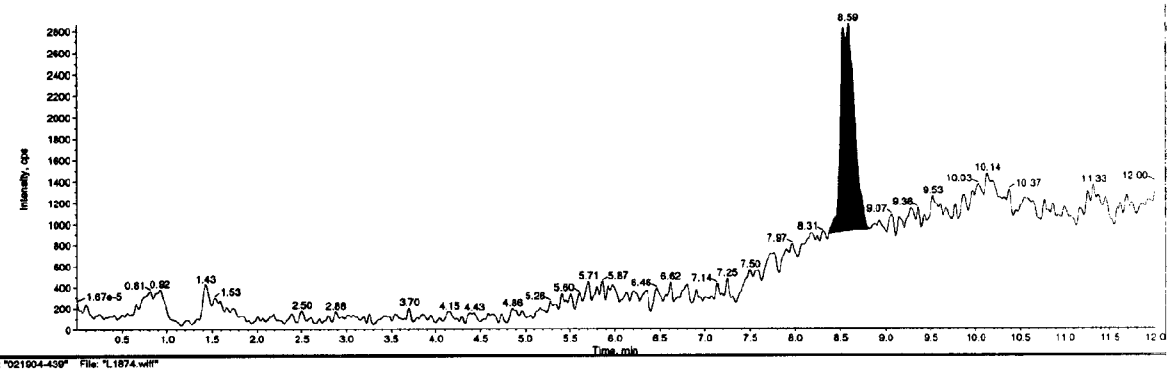
Sample Name: "L1874-13 Rep" Sample ID: "021904-437" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "313.0/269.0 amu"
Comment: "L1874-13 Rep" Annotation: ""

Sample Index:	38	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	No Intercept	
Acq. Date:	02/20/04	
Acq. Time:	03:04:38 PM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Valley	
Retention Time:	8.54	min
Area:	20525	counts
Height:	2.12e+003	cps
Start Time:	8.42	min
End Time:	8.76	min



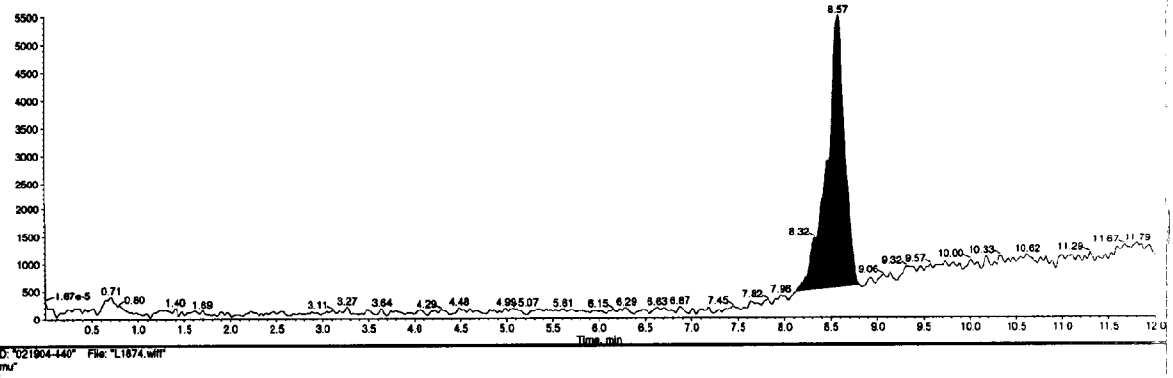
Sample Name: "L1874-14" Sample ID: "021904-438" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "313.0/269.0 amu"
Comment: "L1874-14" Annotation: ""

Sample Index:	39	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	No Intercept	
Acq. Date:	02/20/04	
Acq. Time:	03:25:38 PM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.59	min
Area:	21570	counts
Height:	1.95e+003	cps
Start Time:	8.36	min
End Time:	8.81	min



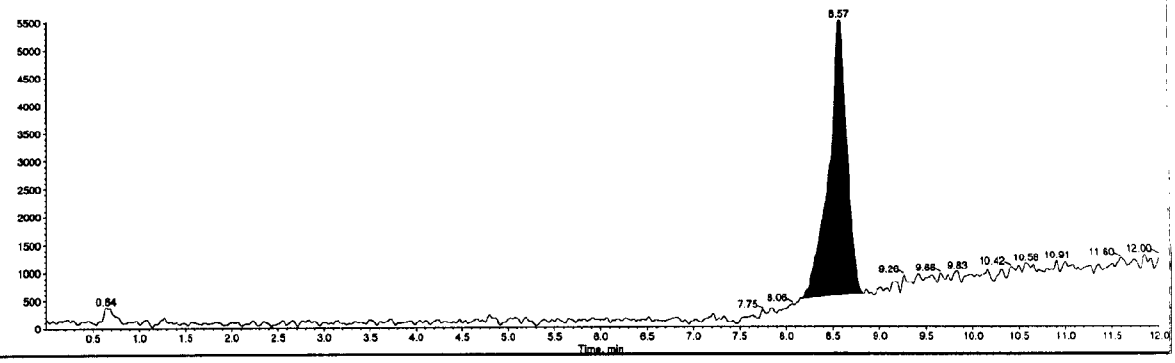
Sample Name: "L1874-15 DF = 100" Sample ID: "021904-439" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "313.0/269.0 amu"
Comment: "L1874-15 DF = 100" Annotation: ""

Sample Index:	40	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	22.820	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	03:46:36 PM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.57	min
Area:	68368	counts
Height:	4.97e+003	cps
Start Time:	8.12	min
End Time:	8.79	min



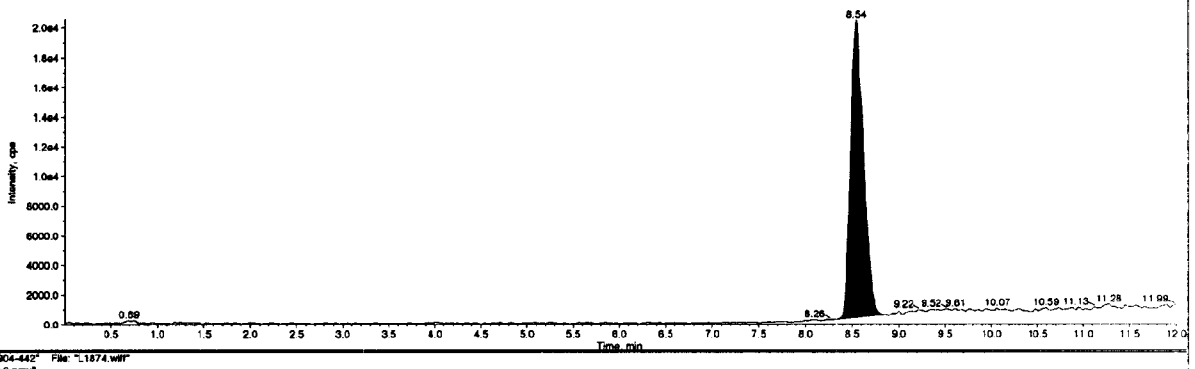
Sample Name: "L1874-16 DF = 1000" Sample ID: "021904-440" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "313.0/269.0 amu"
Comment: "L1874-16 DF = 1000" Annotation: ""

Sample Index:	41	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	21.918	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	04:07:38 PM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.58	min
Area:	67830	counts
Height:	4.96e+003	cps
Start Time:	8.15	min
End Time:	8.83	min



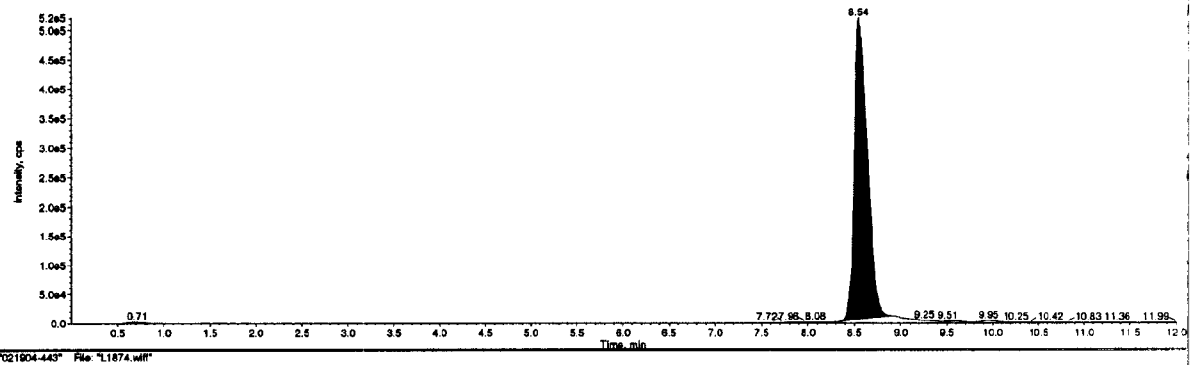
Sample Name: "XC021004-3, 250 ng/L" Sample ID: "021904-441" File: "L1874.wiff"
Peak Name: "D8 acid" Mass(es): "313.0/269.0 amu"
Comment: "XC021004-3, 250 ng/L" Annotation: ""

Sample Index:	42
Sample Type:	Standard
Concentration:	250.000 ng/mL
Calculated Conc:	242.786 ng/mL
Acq. Date:	02/20/04
Acq. Time:	04:28:37 PM
Modified:	No
Bunching Factor:	1
Noise Threshold:	16.10 cps
Area Threshold:	80.49 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.60 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	8.54 min
Area:	199705 counts
Height:	2.01e+004 cps
Start Time:	8.33 min
End Time:	8.83 min



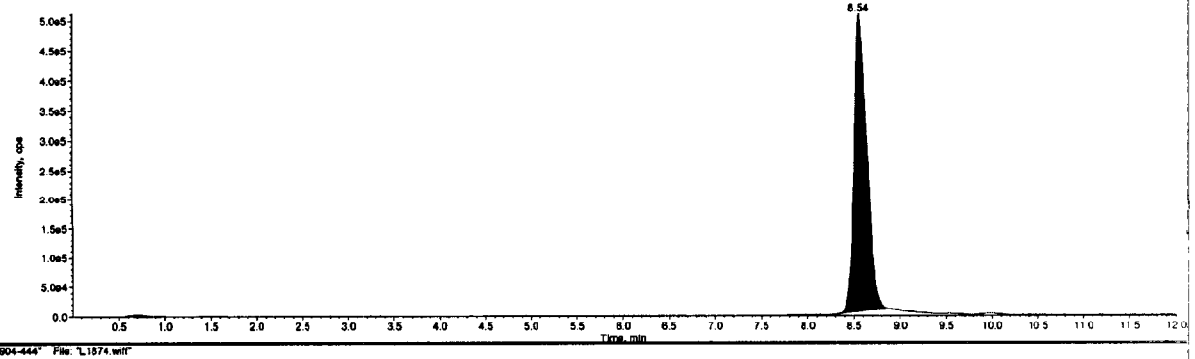
Sample Name: "L1874-17" Sample ID: "021904-442" File: "L1874.wiff"
Peak Name: "D8 acid" Mass(es): "313.0/269.0 amu"
Comment: "L1874-17" Annotation: ""

Sample Index:	43
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	8559.254 ng/mL
Acq. Date:	02/20/04
Acq. Time:	04:49:36 PM
Modified:	Yes
Bunching Factor:	1
Noise Threshold:	16.10 cps
Area Threshold:	80.49 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.60 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Manual
Retention Time:	8.54 min
Area:	5165241 counts
Height:	5.15e+005 cps
Start Time:	8.32 min
End Time:	8.92 min



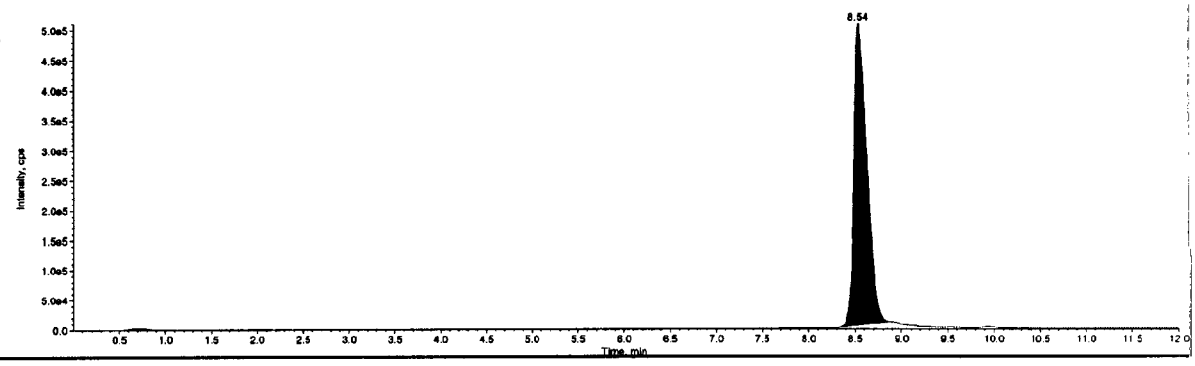
Sample Name: "L1874-17 Rep" Sample ID: "021904-443" File: "L1874.wiff"
Peak Name: "D8 acid" Mass(es): "313.0/269.0 amu"
Comment: "L1874-17 Rep" Annotation: ""

Sample Index:	44
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	8263.185 ng/mL
Acq. Date:	02/20/04
Acq. Time:	05:10:34 PM
Modified:	Yes
Bunching Factor:	1
Noise Threshold:	16.10 cps
Area Threshold:	80.49 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.60 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Manual
Retention Time:	8.54 min
Area:	4986466 counts
Height:	5.06e+005 cps
Start Time:	8.33 min
End Time:	8.90 min



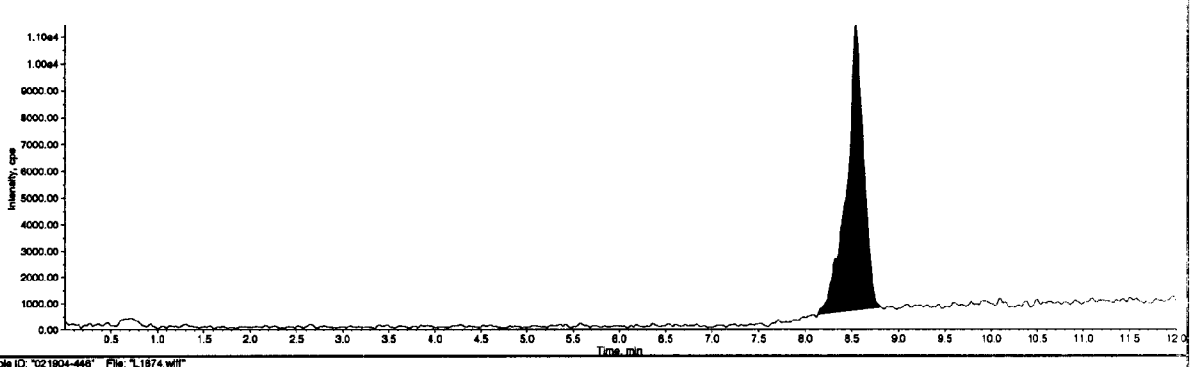
Sample Name: "L1874-18" Sample ID: "021904-444" File: "L1874.wiff"
Peak Name: "D8 acid" Mass(es): "313.0/269.0 amu"
Comment: "L1874-18" Annotation: ""

Sample Index:	45
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	8284.408 ng/mL
Acq. Date:	02/20/04
Acq. Time:	05:31:36 PM
Modified:	Yes
Bunching Factor:	1
Noise Threshold:	16.10 cps
Area Threshold:	80.49 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.60 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Manual
Retention Time:	8.54 min
Area:	5001138 counts
Height:	5.04e+005 cps
Start Time:	8.32 min
End Time:	8.92 min



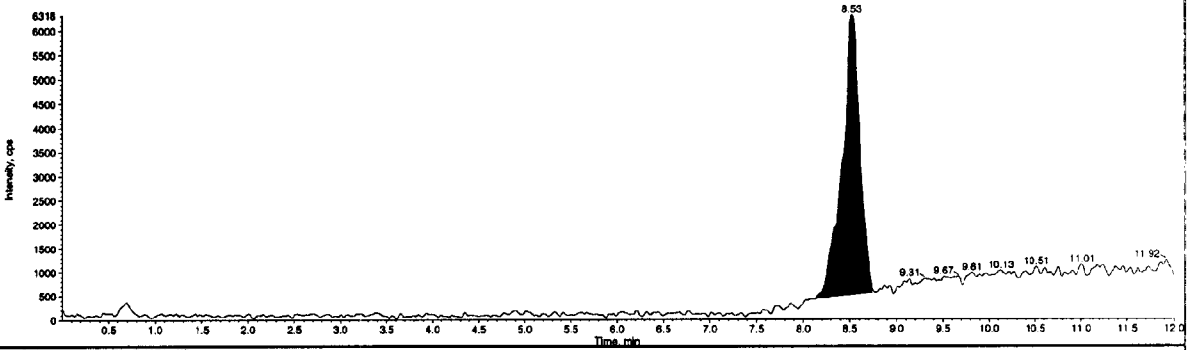
Sample Name: "L1874-19 DF = 100" Sample ID: "021904-445" File: "L1874.wiff"
Peak Name: "C6 acid" Mass(es): "313.0/269.0 amu"
Comment: "L1874-19 DF = 100" Annotation: ""

Sample Index:	46	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	141.419	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	05:52:38 PM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.53	min
Area:	139181	counts
Height:	1.07e+004	cps
Start Time:	8.09	min
End Time:	8.85	min



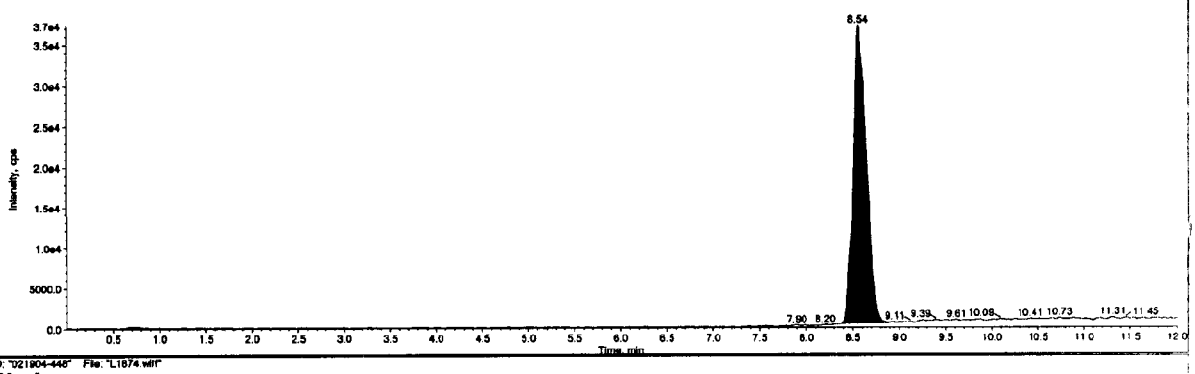
Sample Name: "L1874-20 DF = 1000" Sample ID: "021904-446" File: "L1874.wiff"
Peak Name: "C6 acid" Mass(es): "313.0/269.0 amu"
Comment: "L1874-20 DF = 1000" Annotation: ""

Sample Index:	47	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	40.815	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	06:13:37 PM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.53	min
Area:	79113	counts
Height:	5.81e+003	cps
Start Time:	8.11	min
End Time:	8.74	min



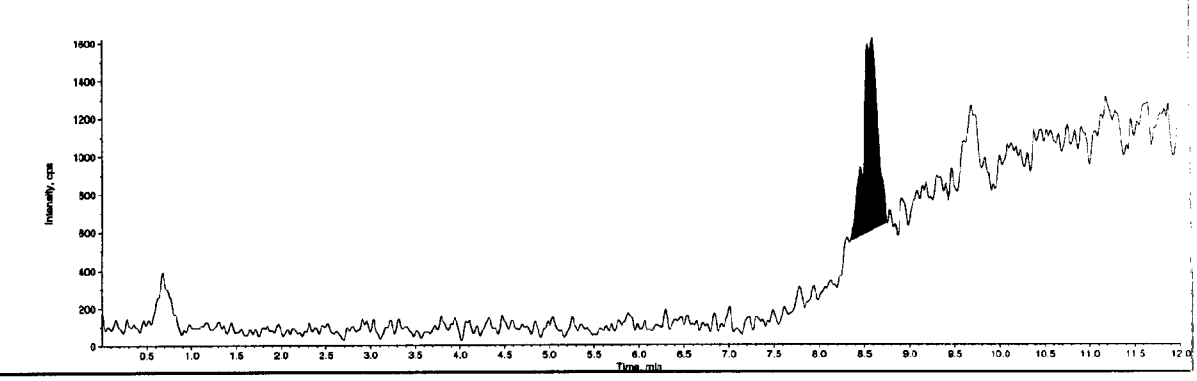
Sample Name: "XC021004-3, 500 ng/L" Sample ID: "021904-447" File: "L1874.wiff"
Peak Name: "C6 acid" Mass(es): "313.0/269.0 amu"
Comment: "XC021004-3, 500 ng/L" Annotation: ""

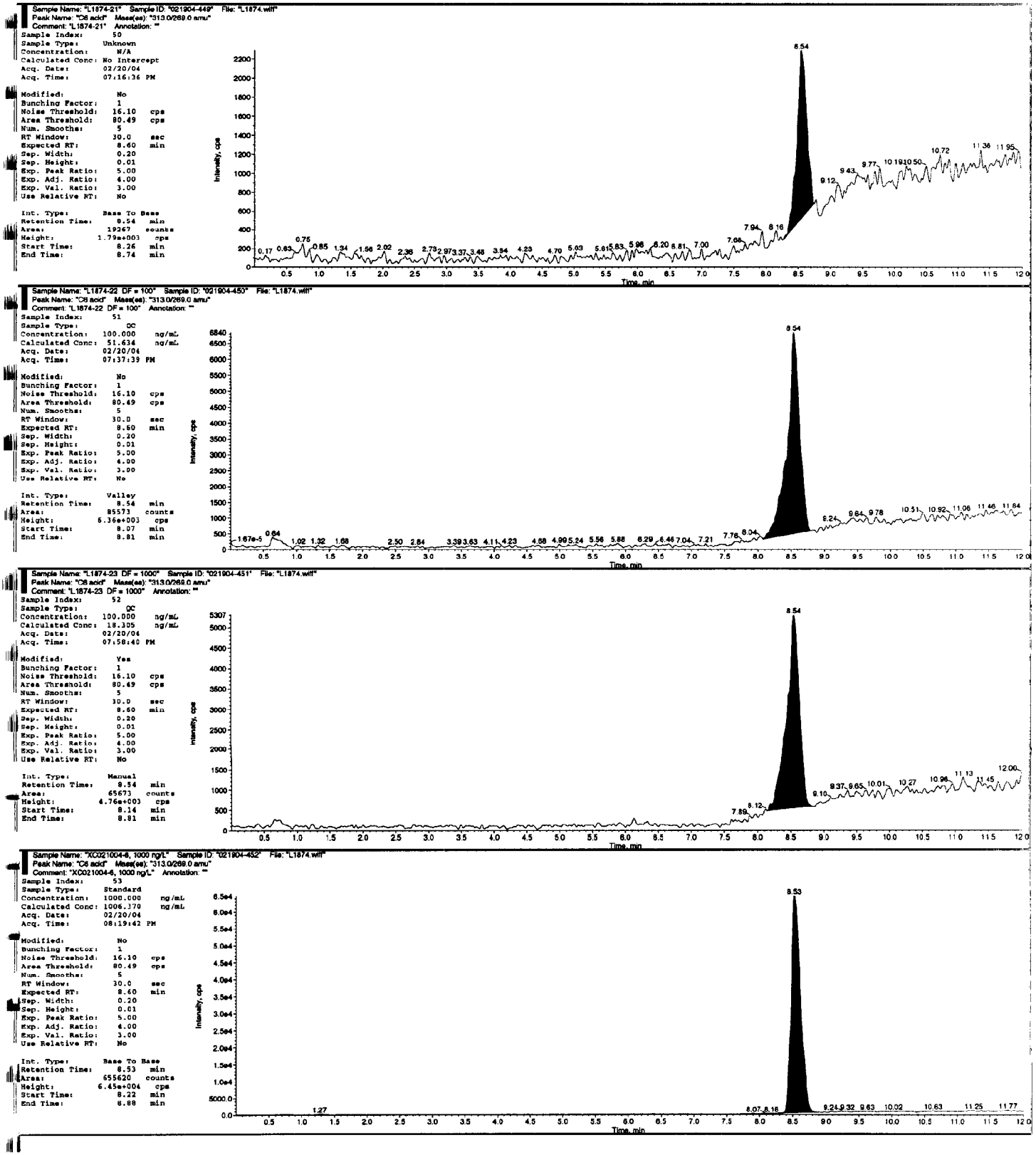
Sample Index:	48	
Sample Type:	Standard	
Concentration:	500.000	ng/mL
Calculated Conc:	532.878	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	06:34:36 PM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.55	min
Area:	372911	counts
Height:	3.68e+004	cps
Start Time:	8.33	min
End Time:	8.88	min



Sample Name: "Methanol Wash" Sample ID: "021904-448" File: "L1874.wiff"
Peak Name: "C6 acid" Mass(es): "313.0/269.0 amu"
Comment: "Methanol Wash" Annotation: ""

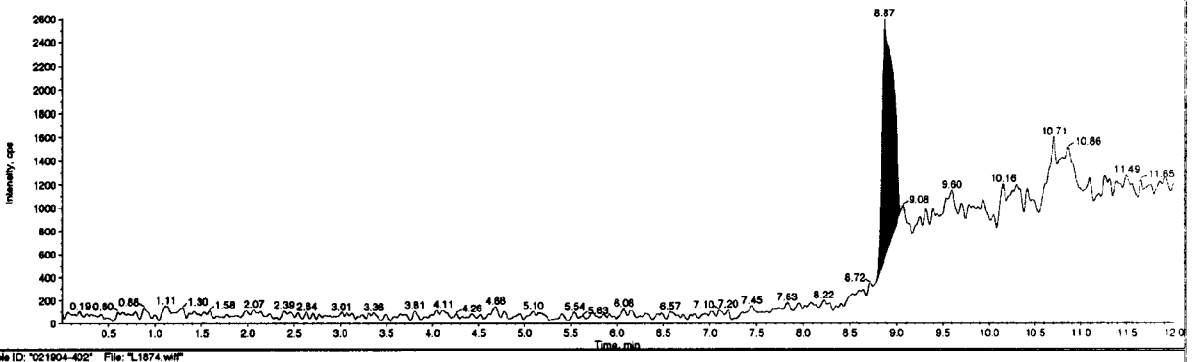
Sample Index:	49	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	No Intercept	
Acq. Date:	02/20/04	
Acq. Time:	06:55:35 PM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	16.10	cps
Area Threshold:	80.49	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.60	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.59	min
Area:	11557	counts
Height:	1.02e+003	cps
Start Time:	8.34	min
End Time:	8.76	min




Sample Name: "L1874-21" Sample ID: "021904-449" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "313.0/269.0 amu"
Comment: "L1874-21" Annotation: ""
Sample Index: 50
Sample Type: Unknown
Concentration: N/A
Calculated Conc: No Intercept
Acq. Date: 02/20/04
Acq. Time: 07:16:36 PM
Modified: No
Bunching Factor: 1
Noise Threshold: 16.10 cps
Area Threshold: 80.49 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 8.60 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Base To Base
Retention Time: 8.54 min
Area: 19267 counts
Height: 1.79e+003 cps
Start Time: 8.26 min
End Time: 8.74 min
Intensity, cps
Time, min
Sample Name: "L1874-22 DF = 100" Sample ID: "021904-450" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "313.0/269.0 amu"
Comment: "L1874-22 DF = 100" Annotation: ""
Sample Index: 51
Sample Type: QC
Concentration: 100.000 ng/mL
Calculated Conc: 51.634 ng/mL
Acq. Date: 02/20/04
Acq. Time: 07:37:39 PM
Modified: No
Bunching Factor: 1
Noise Threshold: 16.10 cps
Area Threshold: 80.49 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 8.60 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Valley
Retention Time: 8.54 min
Area: 85573 counts
Height: 6.36e+003 cps
Start Time: 8.07 min
End Time: 8.81 min
Intensity, cps
Time, min
Sample Name: "L1874-23 DF = 1000" Sample ID: "021904-451" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "313.0/269.0 amu"
Comment: "L1874-23 DF = 1000" Annotation: ""
Sample Index: 52
Sample Type: QC
Concentration: 100.000 ng/mL
Calculated Conc: 18.305 ng/mL
Acq. Date: 02/20/04
Acq. Time: 07:58:40 PM
Modified: Yes
Bunching Factor: 1
Noise Threshold: 16.10 cps
Area Threshold: 80.49 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 8.60 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Manual
Retention Time: 8.54 min
Area: 65673 counts
Height: 4.76e+003 cps
Start Time: 8.14 min
End Time: 8.81 min
Intensity, cps
Time, min
Sample Name: "XC021004-6, 1000 ng/L" Sample ID: "021904-452" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "313.0/269.0 amu"
Comment: "XC021004-6, 1000 ng/L" Annotation: ""
Sample Index: 53
Sample Type: Standard
Concentration: 1000.000 ng/mL
Calculated Conc: 1006.370 ng/mL
Acq. Date: 02/20/04
Acq. Time: 08:19:42 PM
Modified: No
Bunching Factor: 1
Noise Threshold: 16.10 cps
Area Threshold: 80.49 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 8.60 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Base To Base
Retention Time: 8.53 min
Area: 655620 counts
Height: 6.45e+004 cps
Start Time: 8.22 min
End Time: 8.88 min
Intensity, cps
Time, min

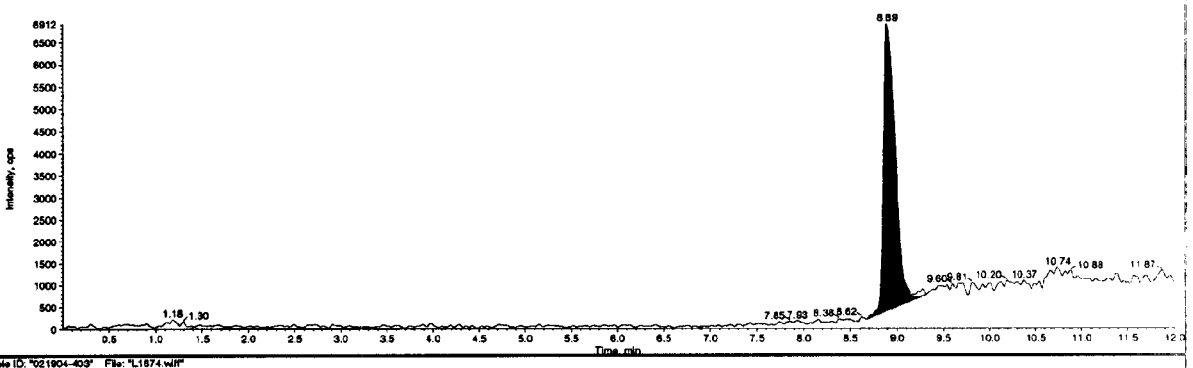
Sample Name: "XC021004-0, 0 ng/L" Sample ID: "021904-401" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "XC021004-0, 0 ng/L" Annotation: ""

Sample Index:	2
Sample Type:	Standard
Concentration:	0.000 ng/mL
Calculated Conc:	< 0
Acq. Date:	02/20/04
Acq. Time:	02:28:54 AM
Modified:	No
Bunching Factor:	1
Noise Threshold:	17.18 cps
Area Threshold:	85.91 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.92 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	8.87 min
Area:	17251 counts
Height:	2.06e+003 cps
Start Time:	8.78 min
End Time:	9.05 min



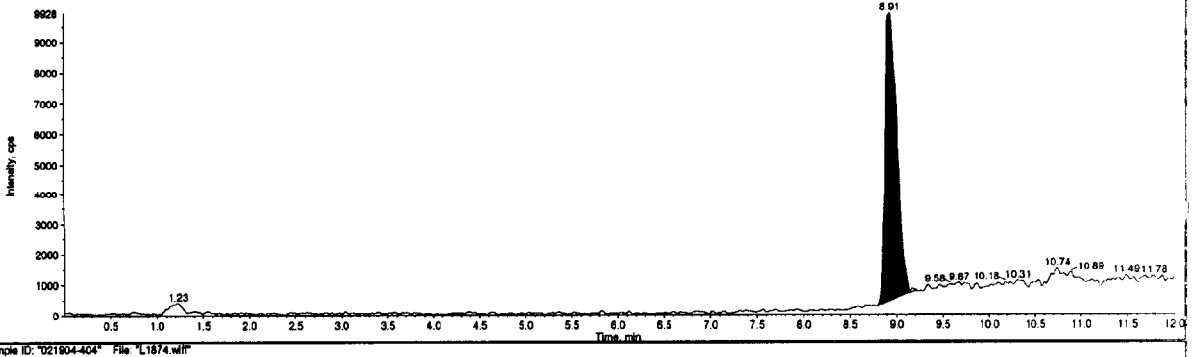
Sample Name: "XC021004-1, 25 ng/L" Sample ID: "021904-402" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "XC021004-1, 25 ng/L" Annotation: ""

Sample Index:	3
Sample Type:	Standard
Concentration:	25.000 ng/mL
Calculated Conc:	35.622 ng/mL
Acq. Date:	02/20/04
Acq. Time:	02:49:55 AM
Modified:	No
Bunching Factor:	1
Noise Threshold:	17.18 cps
Area Threshold:	85.91 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.92 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Exponential Skim
Retention Time:	8.89 min
Area:	61461 counts
Height:	6.52e+003 cps
Start Time:	8.68 min
End Time:	9.15 min



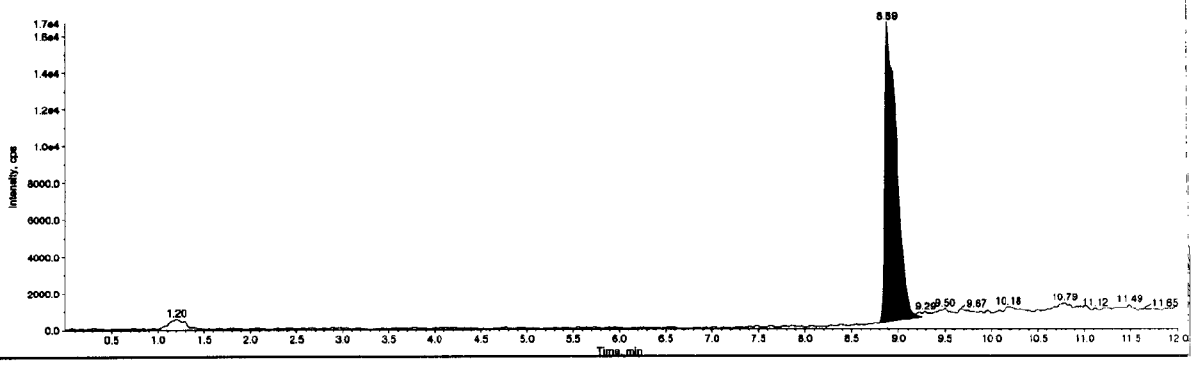
Sample Name: "XC021004-2, 50 ng/L" Sample ID: "021904-403" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "XC021004-2, 50 ng/L" Annotation: ""

Sample Index:	4
Sample Type:	Standard
Concentration:	50.000 ng/mL
Calculated Conc:	57.838 ng/mL
Acq. Date:	02/20/04
Acq. Time:	03:10:52 AM
Modified:	No
Bunching Factor:	1
Noise Threshold:	17.18 cps
Area Threshold:	85.91 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.92 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Exponential Skim
Retention Time:	8.91 min
Area:	89033 counts
Height:	9.51e+003 cps
Start Time:	8.79 min
End Time:	9.15 min



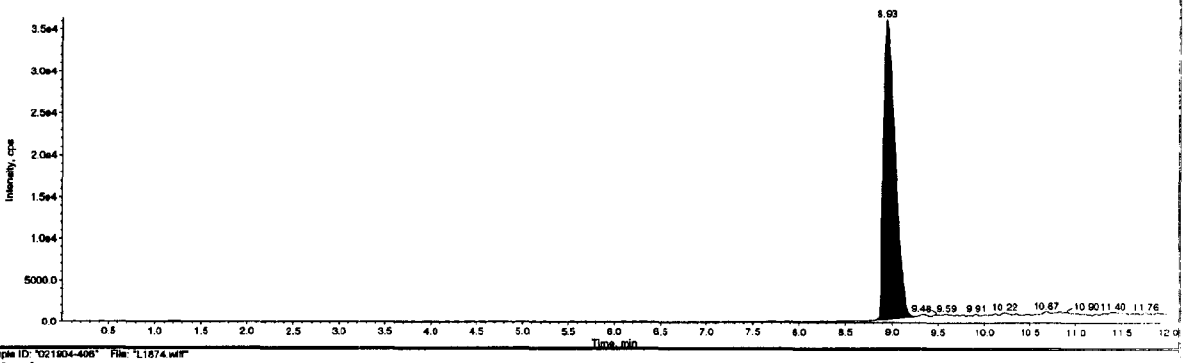
Sample Name: "XC021004-3, 100 ng/L" Sample ID: "021904-404" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "XC021004-3, 100 ng/L" Annotation: ""

Sample Index:	5
Sample Type:	Standard
Concentration:	100.000 ng/mL
Calculated Conc:	107.246 ng/mL
Acq. Date:	02/20/04
Acq. Time:	03:31:51 AM
Modified:	No
Bunching Factor:	1
Noise Threshold:	17.18 cps
Area Threshold:	85.91 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.92 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Exponential Skim
Retention Time:	8.89 min
Area:	150353 counts
Height:	1.64e+004 cps
Start Time:	8.79 min
End Time:	9.15 min



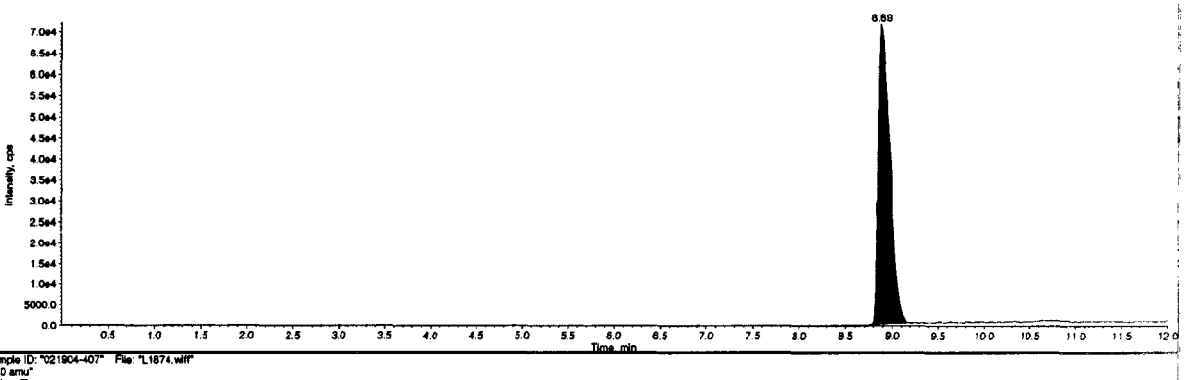
Sample Name: "XC021004-4, 250 ng/L" Sample ID: "021904-405" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "XC021004-4, 250 ng/L" Annotation: ""

Sample Index:	6	
Sample Type:	Standard	
Concentration:	250.000	ng/mL
Calculated Conc:	245.850	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	03:52:48 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	17.18	cps
Area Threshold:	85.91	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.92	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Valley	
Retention Time:	8.93	min
Area:	322374	counts
Height:	1.61e+004	cps
Start Time:	8.70	min
End Time:	9.24	min



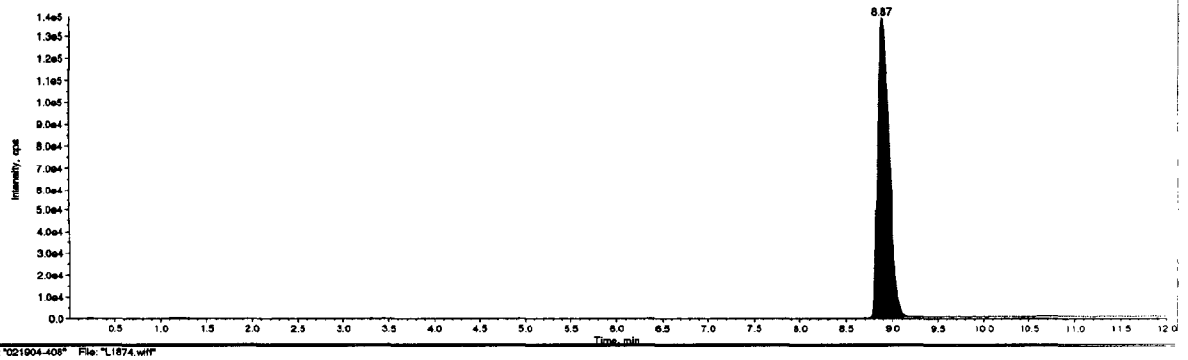
Sample Name: "XC021004-5, 500 ng/L" Sample ID: "021904-406" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "XC021004-5, 500 ng/L" Annotation: ""

Sample Index:	7	
Sample Type:	Standard	
Concentration:	500.000	ng/mL
Calculated Conc:	518.354	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	04:13:49 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	17.18	cps
Area Threshold:	85.91	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.92	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Base To Base	
Retention Time:	8.88	min
Area:	660575	counts
Height:	7.19e+004	cps
Start Time:	8.75	min
End Time:	9.19	min



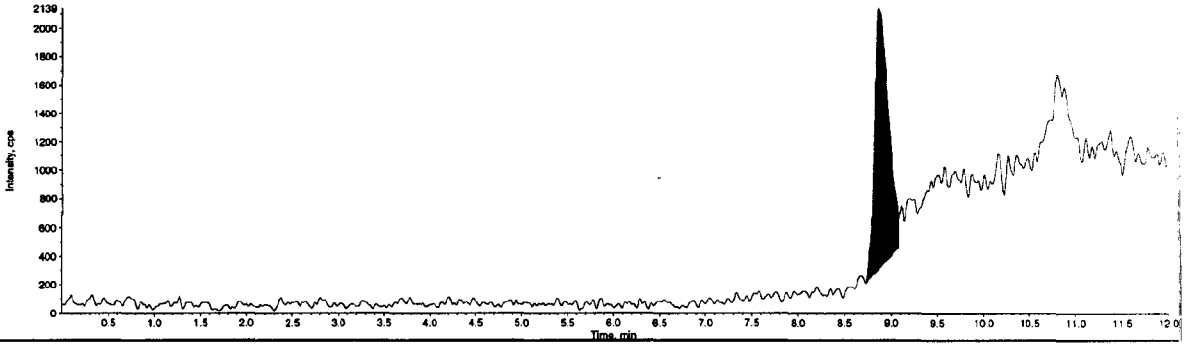
Sample Name: "XC021004-6, 1000 ng/L" Sample ID: "021904-407" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "XC021004-6, 1000 ng/L" Annotation: ""

Sample Index:	8	
Sample Type:	Standard	
Concentration:	1000.000	ng/mL
Calculated Conc:	997.044	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	04:34:48 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	17.18	cps
Area Threshold:	85.91	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.92	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Base To Base	
Retention Time:	8.87	min
Area:	1254675	counts
Height:	1.38e+005	cps
Start Time:	8.75	min
End Time:	9.18	min



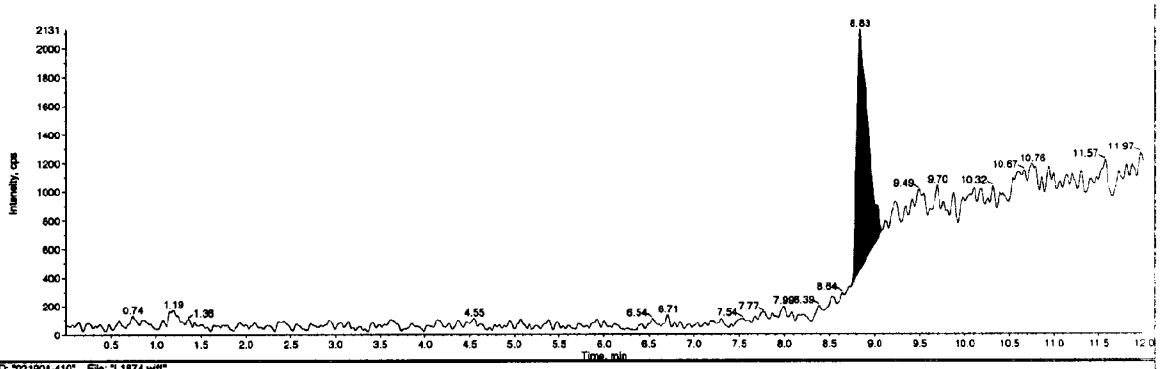
Sample Name: "Methanol Wash" Sample ID: "021904-408" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "Methanol Wash" Annotation: ""

Sample Index:	9	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	1.849	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	04:55:46 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	17.18	cps
Area Threshold:	85.91	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.92	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Valley	
Retention Time:	8.87	min
Area:	19545	counts
Height:	1.84e+003	cps
Start Time:	8.73	min
End Time:	9.09	min



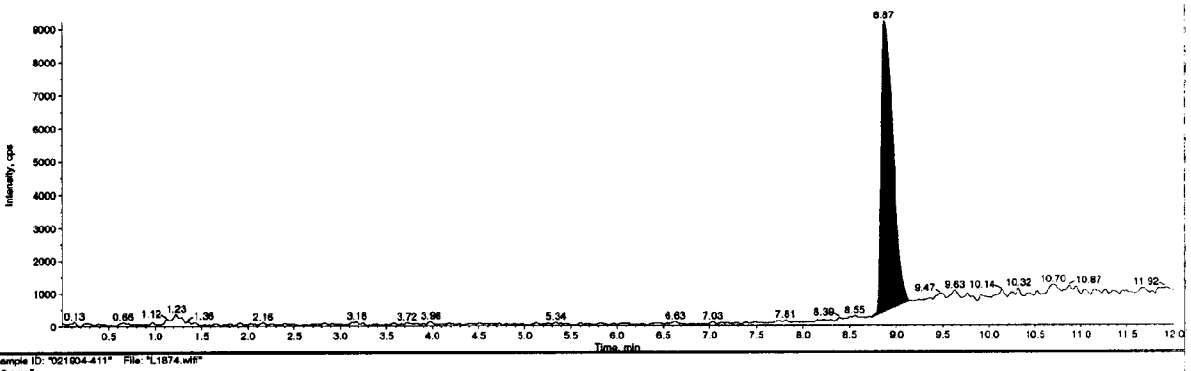
Sample Name: "0106020 Control" Sample ID: "021904-409" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "0106020 Control" Annotation: ""

Sample Index:	10
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	No Intercept
Acq. Date:	02/20/04
Acq. Time:	05:16:48 AM
Modified:	No
Bunching Factor:	1
Noise Threshold:	17.18 cps
Area Threshold:	85.91 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.92 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	8.83 min
Area:	14730 counts
Height:	1.69e+003 cps
Start Time:	8.74 min
End Time:	9.09 min



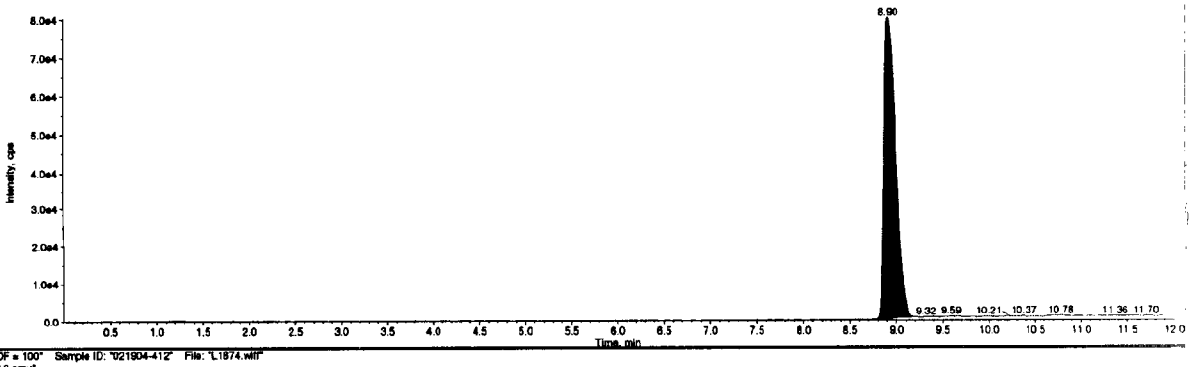
Sample Name: "0106020 Spk A, 50 ng/L" Sample ID: "021904-410" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "0106020 Spk A, 50 ng/L" Annotation: ""

Sample Index:	11
Sample Type:	QC
Concentration:	50.000 ng/mL
Calculated Conc:	52.756 ng/mL
Acq. Date:	02/20/04
Acq. Time:	05:37:50 AM
Modified:	No
Bunching Factor:	1
Noise Threshold:	17.18 cps
Area Threshold:	85.91 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.92 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	8.87 min
Area:	82726 counts
Height:	8.86e+003 cps
Start Time:	8.75 min
End Time:	9.15 min



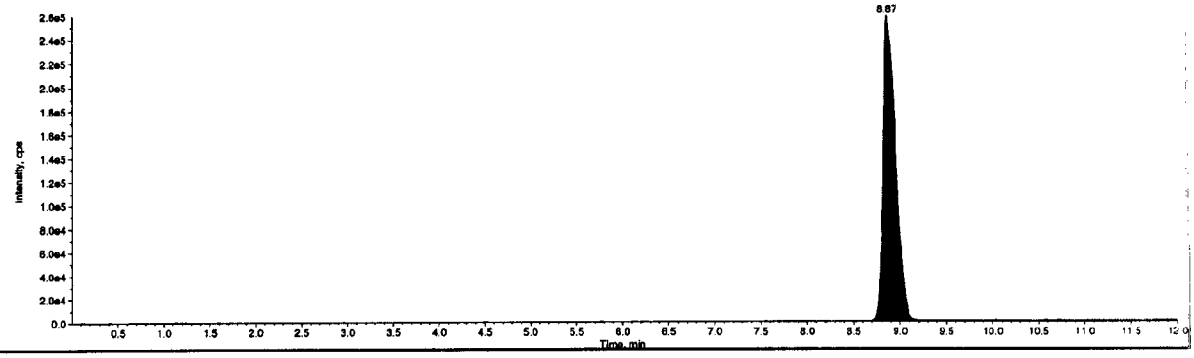
Sample Name: "0106020 Spk B, 500 ng/L" Sample ID: "021904-411" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "0106020 Spk B, 500 ng/L" Annotation: ""

Sample Index:	12
Sample Type:	QC
Concentration:	500.000 ng/mL
Calculated Conc:	581.733 ng/mL
Acq. Date:	02/20/04
Acq. Time:	05:58:47 AM
Modified:	No
Bunching Factor:	1
Noise Threshold:	17.18 cps
Area Threshold:	85.91 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.92 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	8.90 min
Area:	739235 counts
Height:	7.99e+004 cps
Start Time:	8.73 min
End Time:	9.21 min



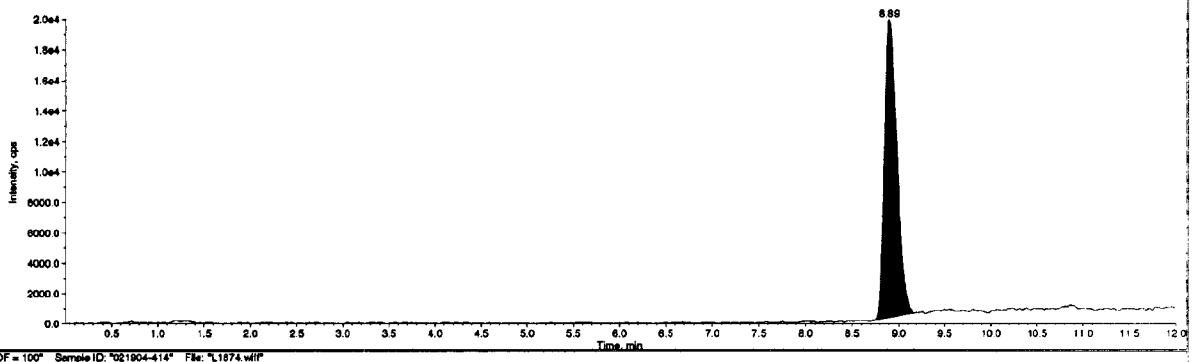
Sample Name: "L1874-1 Spk C, 10000 ng/L DF = 100" Sample ID: "021904-412" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-1 Spk C, 10000 ng/L DF = 100" Annotation: ""

Sample Index:	13
Sample Type:	QC
Concentration:	100.000 ng/mL
Calculated Conc:	2042.032 ng/mL
Acq. Date:	02/20/04
Acq. Time:	06:19:50 AM
Modified:	No
Bunching Factor:	1
Noise Threshold:	17.18 cps
Area Threshold:	85.91 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.92 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	8.87 min
Area:	2551601 counts
Height:	2.59e+005 cps
Start Time:	8.68 min
End Time:	9.22 min



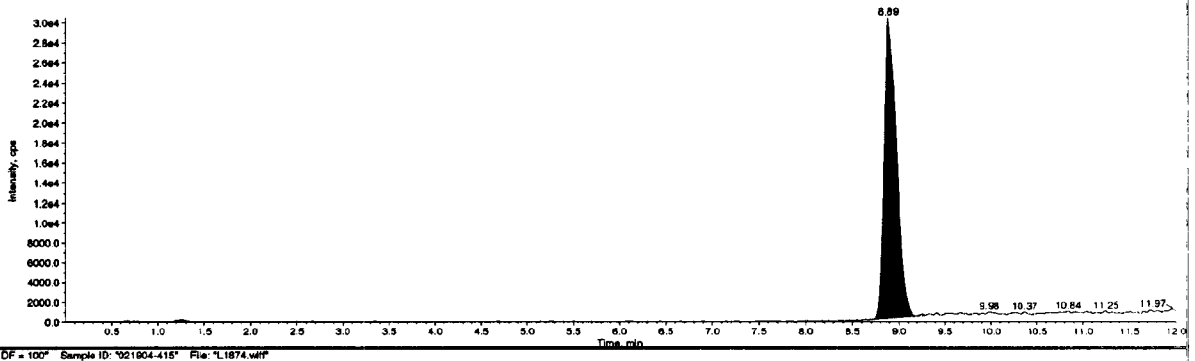
Sample Name: "L1874-5 Spk D, 10000 ng/L DF = 100" Sample ID: "021904-413" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-5 Spk D, 10000 ng/L DF = 100" Annotation: ""

Sample Index:	14	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	139.078	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	06:40:51 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	17.18	cps
Area Threshold:	85.91	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.92	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Base To Base	
Retention Time:	8.89	min
Area:	189859	counts
Height:	1.97e+004	cps
Start Time:	8.75	min
End Time:	9.17	min



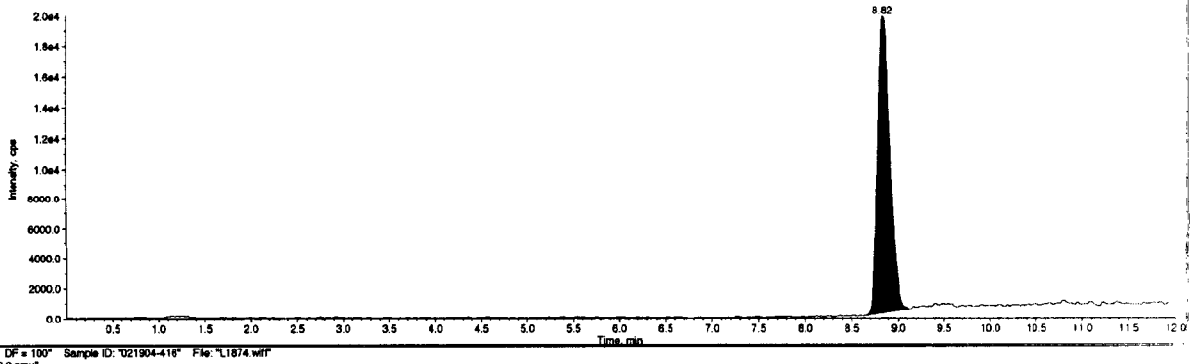
Sample Name: "L1874-9 Spk E, 10000 ng/L DF = 100" Sample ID: "021904-414" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-9 Spk E, 10000 ng/L DF = 100" Annotation: ""

Sample Index:	15	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	219.286	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	07:01:46 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	17.18	cps
Area Threshold:	85.91	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.92	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Exponential Skim	
Retention Time:	8.88	min
Area:	299405	counts
Height:	3.02e+004	cps
Start Time:	8.69	min
End Time:	9.17	min



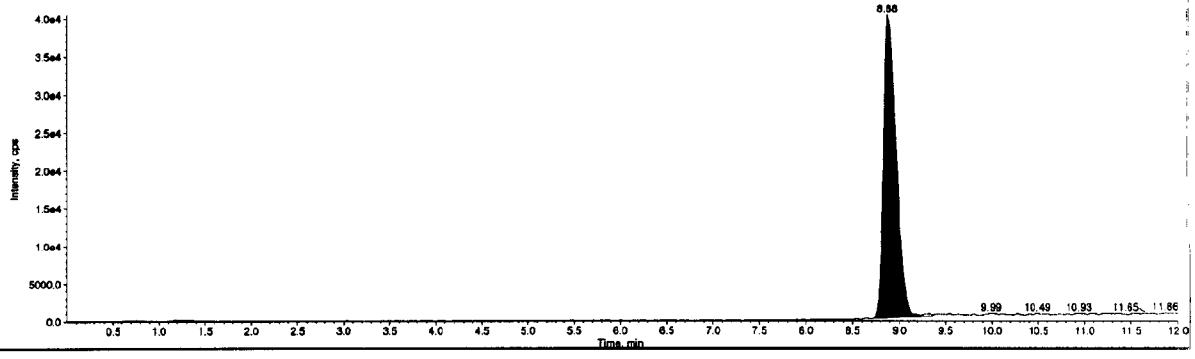
Sample Name: "L1874-13 Spk F, 10000 ng/L DF = 100" Sample ID: "021904-415" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-13 Spk F, 10000 ng/L DF = 100" Annotation: ""

Sample Index:	16	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	135.892	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	07:22:46 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	17.18	cps
Area Threshold:	85.91	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.92	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Base To Base	
Retention Time:	8.82	min
Area:	185906	counts
Height:	1.96e+004	cps
Start Time:	8.62	min
End Time:	9.12	min



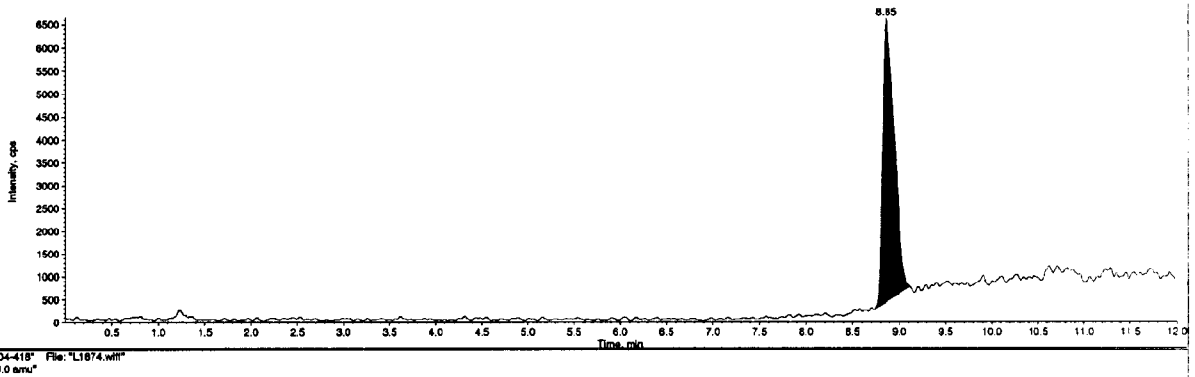
Sample Name: "L1874-17 Spk G, 10000 ng/L DF = 100" Sample ID: "021904-416" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-17 Spk G, 10000 ng/L DF = 100" Annotation: ""

Sample Index:	17	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	304.306	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	07:43:49 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	17.18	cps
Area Threshold:	85.91	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.92	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Exponential Skim	
Retention Time:	8.88	min
Area:	394923	counts
Height:	4.02e+004	cps
Start Time:	8.69	min
End Time:	9.14	min



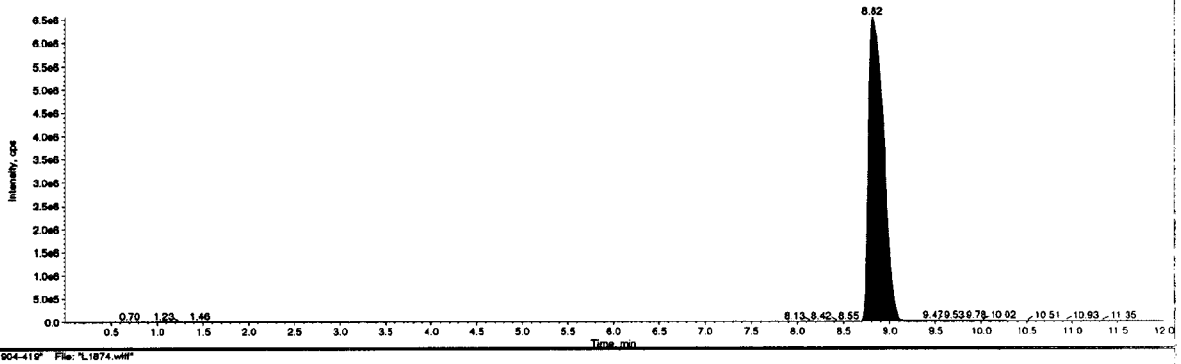
Sample Name: "XC021004-1, 25 ng/L" Sample ID: "021904-417" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "XC021004-1, 25 ng/L" Annotation: ""

Sample Index:	18
Sample Type:	Standard
Concentration:	25.000 ng/mL
Calculated Conc:	30.484 ng/mL
Acq. Date:	02/20/04
Acq. Time:	08:04:48 AM
Modified:	No
Bunching Factor:	1
Noise Threshold:	17.18 cps
Area Threshold:	85.91 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.92 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	8.85 min
Area:	55084 counts
Height:	6.24e+003 cps
Start Time:	8.74 min
End Time:	9.11 min



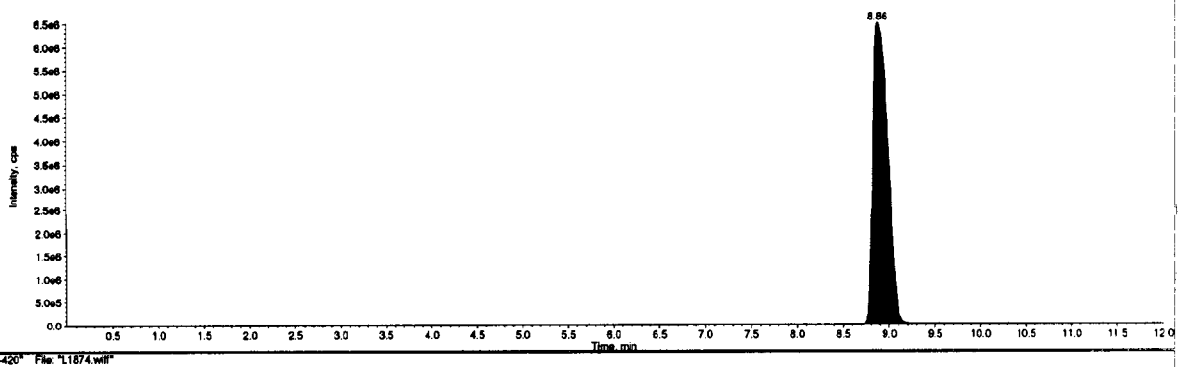
Sample Name: "L1874-1" Sample ID: "021904-418" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-1" Annotation: ""

Sample Index:	19
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	62063.451 ng/mL
Acq. Date:	02/20/04
Acq. Time:	08:25:46 AM
Modified:	No
Bunching Factor:	1
Noise Threshold:	17.18 cps
Area Threshold:	85.91 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.92 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Exponential Skim
Retention Time:	8.82 min
Area:	770437750 counts
Height:	6.56e+006 cps
Start Time:	8.67 min
End Time:	9.14 min



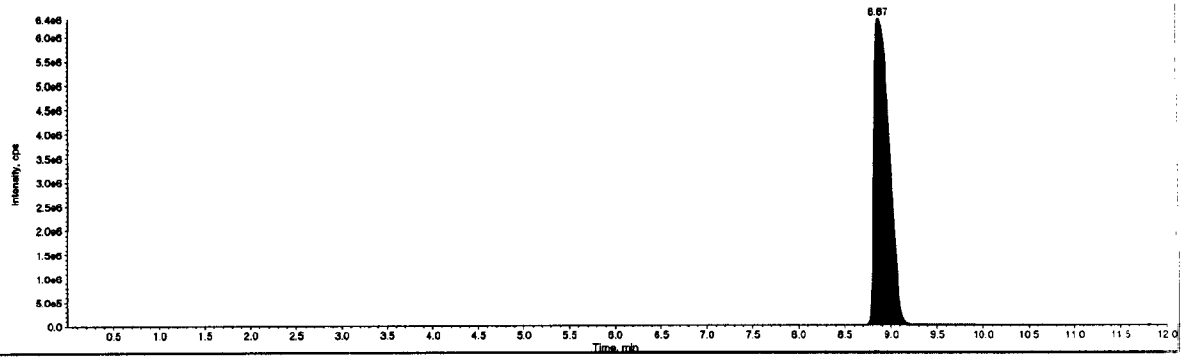
Sample Name: "L1874-1 Rep" Sample ID: "021904-419" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-1 Rep" Annotation: ""

Sample Index:	20
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	62139.761 ng/mL
Acq. Date:	02/20/04
Acq. Time:	08:46:45 AM
Modified:	No
Bunching Factor:	1
Noise Threshold:	17.18 cps
Area Threshold:	85.91 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.92 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Exponential Skim
Retention Time:	8.86 min
Area:	771138458 counts
Height:	6.53e+006 cps
Start Time:	8.70 min
End Time:	9.18 min



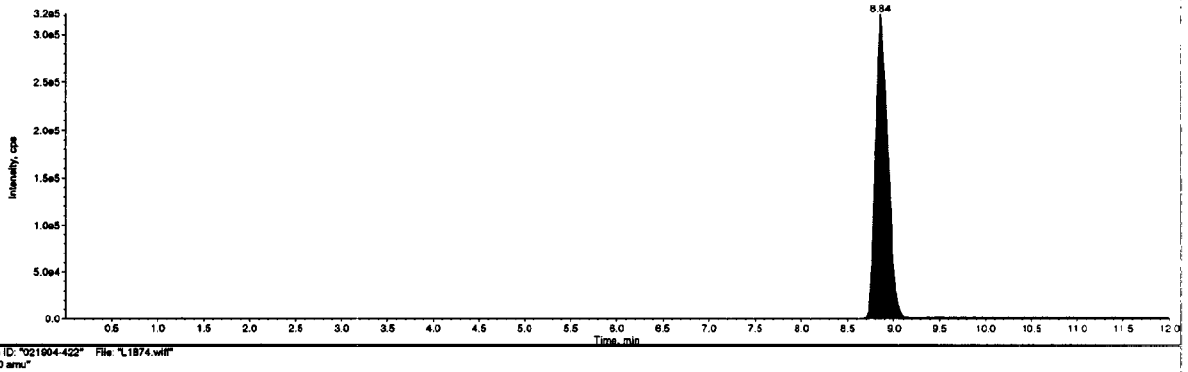
Sample Name: "L1874-2" Sample ID: "021904-420" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-2" Annotation: ""

Sample Index:	21
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	61004.408 ng/mL
Acq. Date:	02/20/04
Acq. Time:	09:07:45 AM
Modified:	No
Bunching Factor:	1
Noise Threshold:	17.18 cps
Area Threshold:	85.91 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.92 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	8.87 min
Area:	75729380 counts
Height:	6.37e+006 cps
Start Time:	8.72 min
End Time:	9.26 min



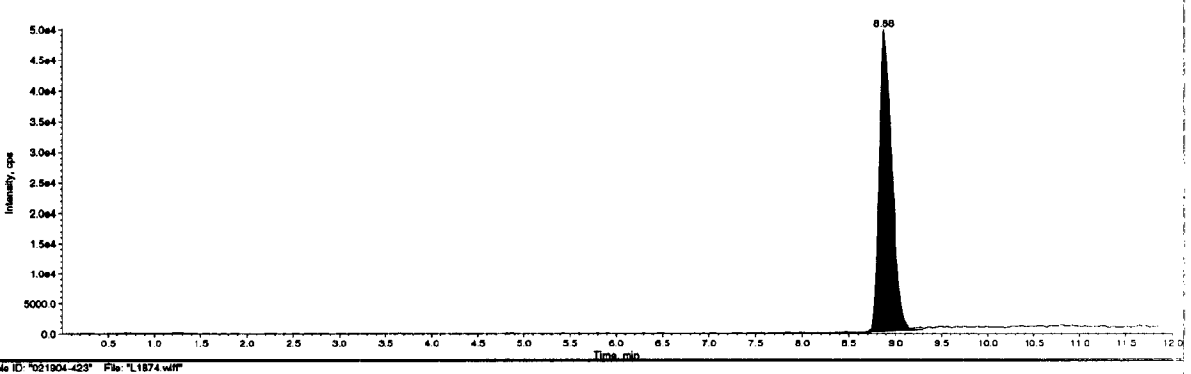
Sample Name: "L1874-3 DF = 100" Sample ID: "021904-421" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-3 DF = 100" Annotation: ""

Sample Index:	22	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	2492.109	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	09:28:48 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	17.18	cps
Area Threshold:	85.91	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.92	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Exponential Skim	
Retention Time:	8.85	min
Area:	3110189	counts
Height:	3.23e+005	cps
Start Time:	8.64	min
End Time:	9.17	min



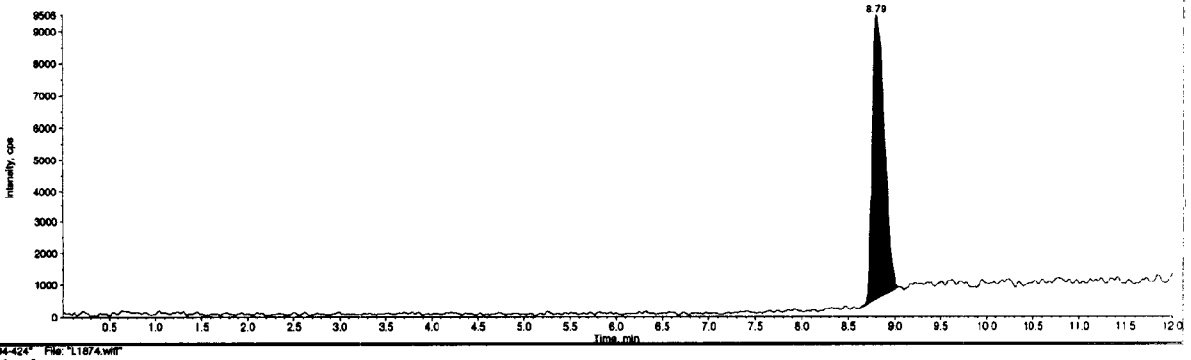
Sample Name: "L1874-4 DF = 1000" Sample ID: "021904-422" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-4 DF = 1000" Annotation: ""

Sample Index:	23	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	379.082	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	09:49:47 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	17.18	cps
Area Threshold:	85.91	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.92	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Exponential Skim	
Retention Time:	8.88	min
Area:	487727	counts
Height:	4.97e+004	cps
Start Time:	8.66	min
End Time:	9.15	min



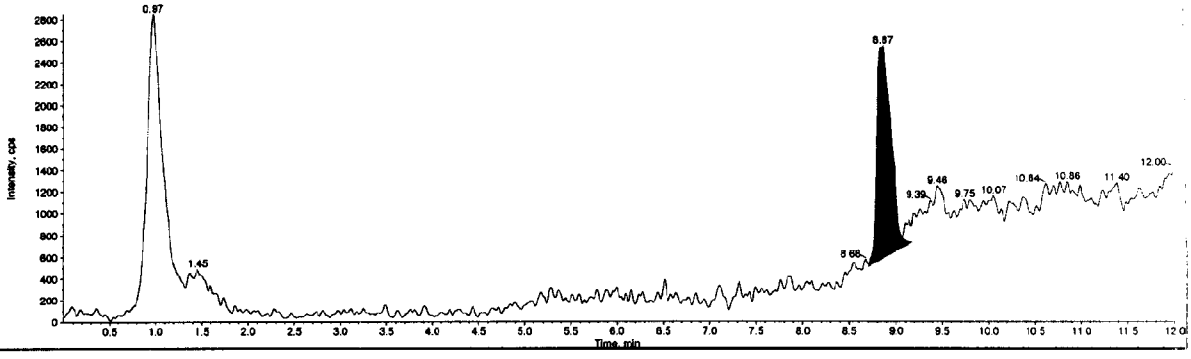
Sample Name: "XC021004-2, 50 ng/L" Sample ID: "021904-423" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "XC021004-2, 50 ng/L" Annotation: ""

Sample Index:	24	
Sample Type:	Standard	
Concentration:	50.000	ng/mL
Calculated Conc:	53.321	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	10:10:46 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	17.18	cps
Area Threshold:	85.91	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.92	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Base To Base	
Retention Time:	8.79	min
Area:	83427	counts
Height:	9.00e+003	cps
Start Time:	8.61	min
End Time:	9.04	min



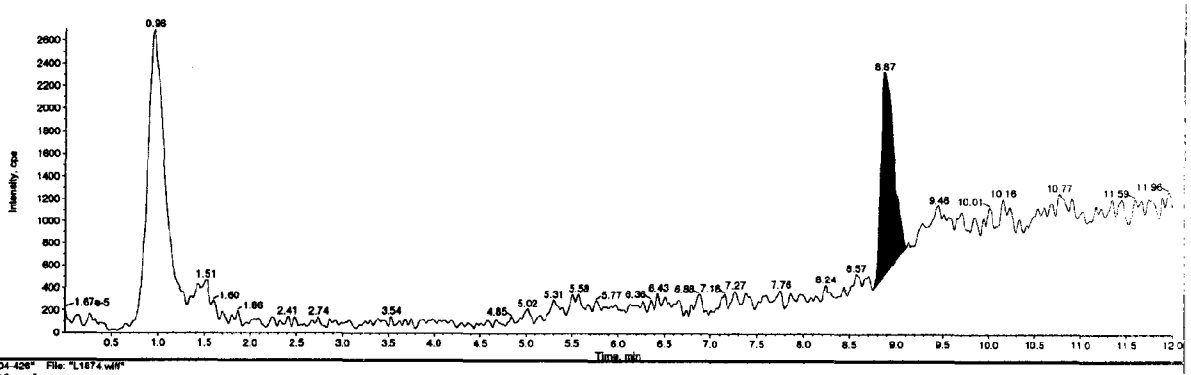
Sample Name: "L1874-5" Sample ID: "021904-424" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-5" Annotation: ""

Sample Index:	25	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	3.261	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	10:31:45 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	17.18	cps
Area Threshold:	85.91	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.92	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Exponential Skim	
Retention Time:	8.87	min
Area:	21298	counts
Height:	1.96e+003	cps
Start Time:	8.70	min
End Time:	9.06	min



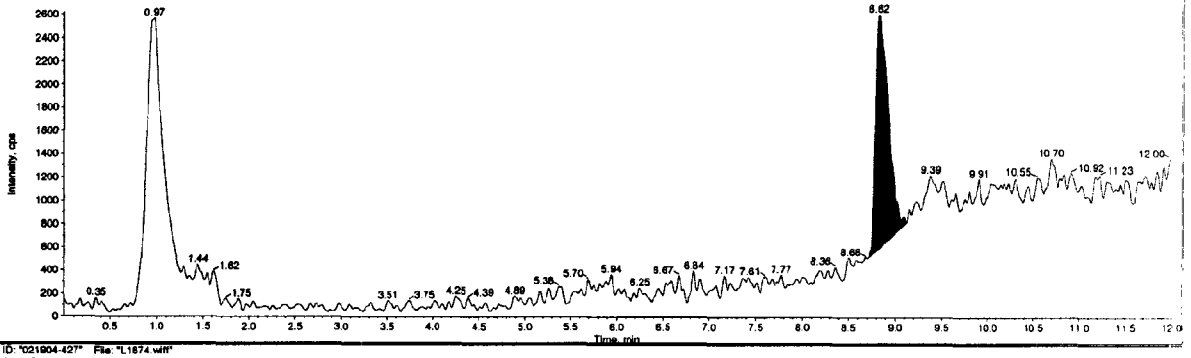
Sample Name: "L1874-5 Rep" Sample ID: "021904-425" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-5 Rep" Annotation: ""

Sample Index:	26
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	0.438 ng/mL
Acq. Date:	02/20/04
Acq. Time:	10:52:45 AM
Modified:	No
Bunching Factor:	1
Noise Threshold:	17.18 cps
Area Threshold:	85.91 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.92 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	8.87 min
Area:	17795 counts
Height:	1.82e+003 cps
Start Time:	8.75 min
End Time:	9.10 min



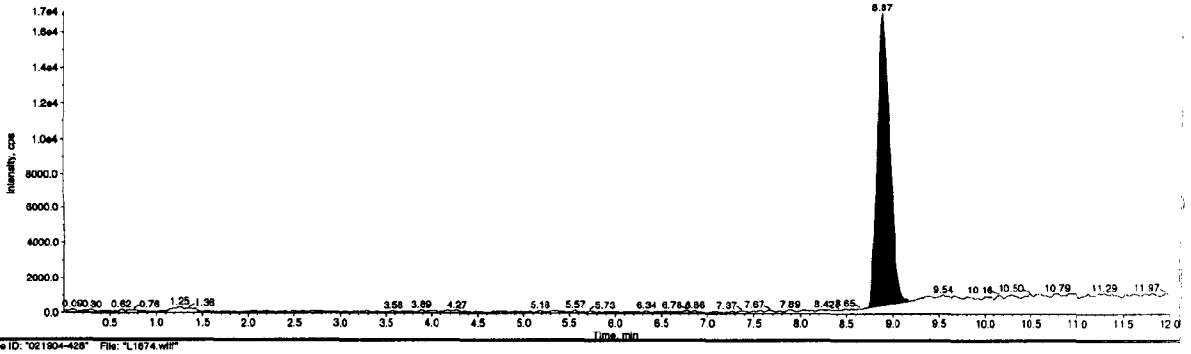
Sample Name: "L1874-6" Sample ID: "021904-426" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-6" Annotation: ""

Sample Index:	27
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	2.057 ng/mL
Acq. Date:	02/20/04
Acq. Time:	11:13:46 AM
Modified:	No
Bunching Factor:	1
Noise Threshold:	17.18 cps
Area Threshold:	85.91 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.92 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	8.83 min
Area:	19803 counts
Height:	2.02e+003 cps
Start Time:	8.70 min
End Time:	9.12 min



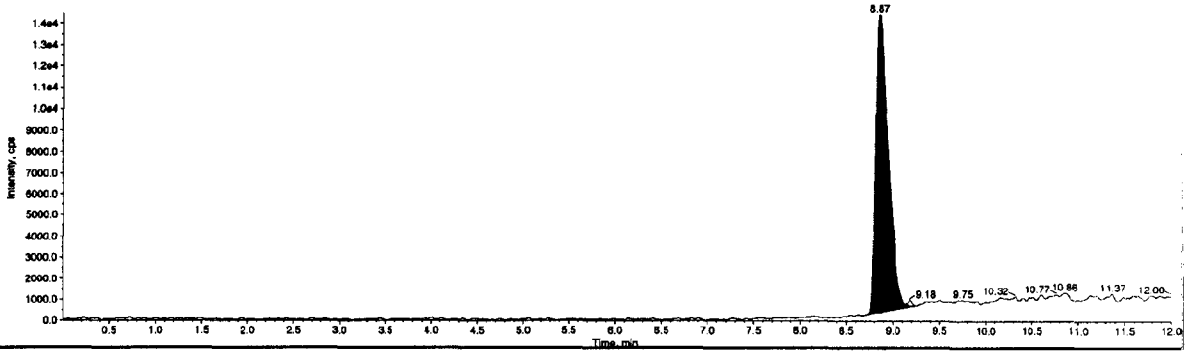
Sample Name: "L1874-7 DF = 100" Sample ID: "021904-427" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-7 DF = 100" Annotation: ""

Sample Index:	28
Sample Type:	QC
Concentration:	100.000 ng/mL
Calculated Conc:	115.692 ng/mL
Acq. Date:	02/20/04
Acq. Time:	11:34:47 AM
Modified:	No
Bunching Factor:	1
Noise Threshold:	17.18 cps
Area Threshold:	85.91 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.92 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	8.87 min
Area:	160836 counts
Height:	1.67e+004 cps
Start Time:	8.68 min
End Time:	9.20 min



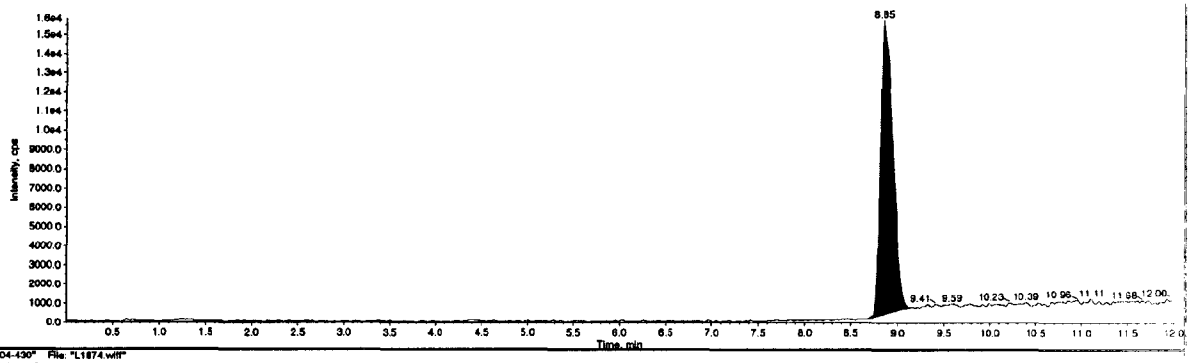
Sample Name: "L1874-8 DF = 1000" Sample ID: "021904-428" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-8 DF = 1000" Annotation: ""

Sample Index:	29
Sample Type:	QC
Concentration:	100.000 ng/mL
Calculated Conc:	97.303 ng/mL
Acq. Date:	02/20/04
Acq. Time:	11:55:47 AM
Modified:	No
Bunching Factor:	1
Noise Threshold:	17.18 cps
Area Threshold:	85.91 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.92 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Exponential Skim
Retention Time:	8.87 min
Area:	128013 counts
Height:	1.41e+004 cps
Start Time:	8.69 min
End Time:	9.12 min



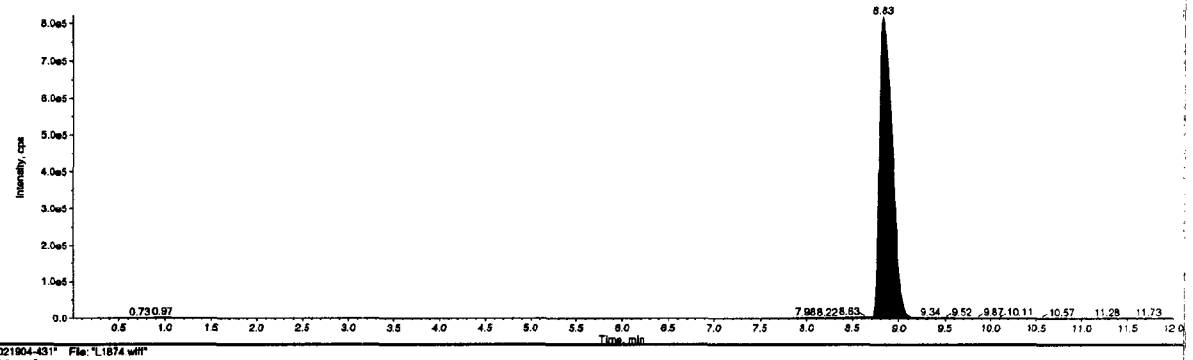
Sample Name: "XC021004-3, 100 ng/L" Sample ID: "021904-429" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "XC021004-3, 100 ng/L" Annotation: ""

Sample Index:	30	
Sample Type:	Standard	
Concentration:	100.000	ng/mL
Calculated Conc:	103.796	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	12:16:46 PM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	17.18	cps
Area Threshold:	85.91	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.92	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Base To Base	
Retention Time:	8.85	min
Area:	146071	counts
Height:	1.54e+004	cps
Start Time:	8.68	min
End Time:	9.14	min



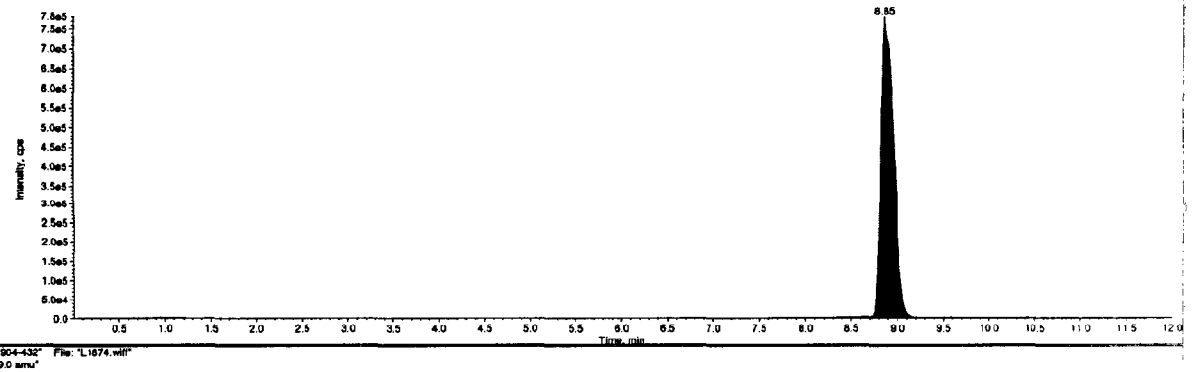
Sample Name: "L1874-9" Sample ID: "021904-430" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-9" Annotation: ""

Sample Index:	31	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	6544.562	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	12:37:45 PM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	17.18	cps
Area Threshold:	85.91	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.92	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Valley	
Retention Time:	8.83	min
Area:	8139659	counts
Height:	8.21e+005	cps
Start Time:	8.66	min
End Time:	9.26	min



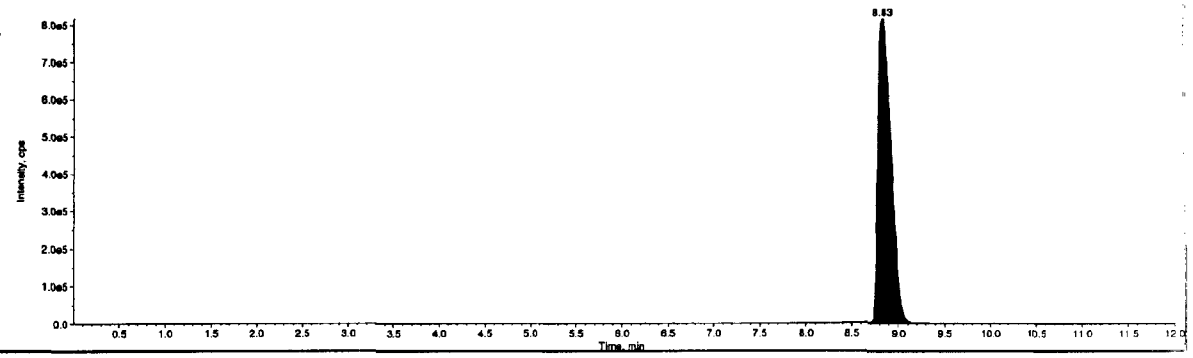
Sample Name: "L1874-9 Rep" Sample ID: "021904-431" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-9 Rep" Annotation: ""

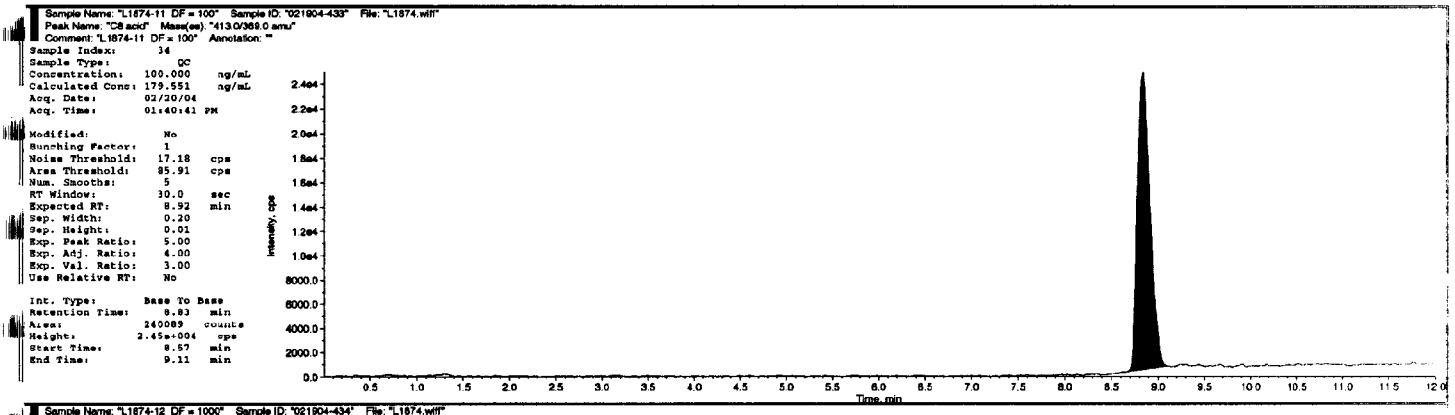
Sample Index:	32	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	6304.950	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	12:58:44 PM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	17.18	cps
Area Threshold:	85.91	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.92	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Valley	
Retention Time:	8.85	min
Area:	7842279	counts
Height:	7.80e+005	cps
Start Time:	8.54	min
End Time:	9.32	min

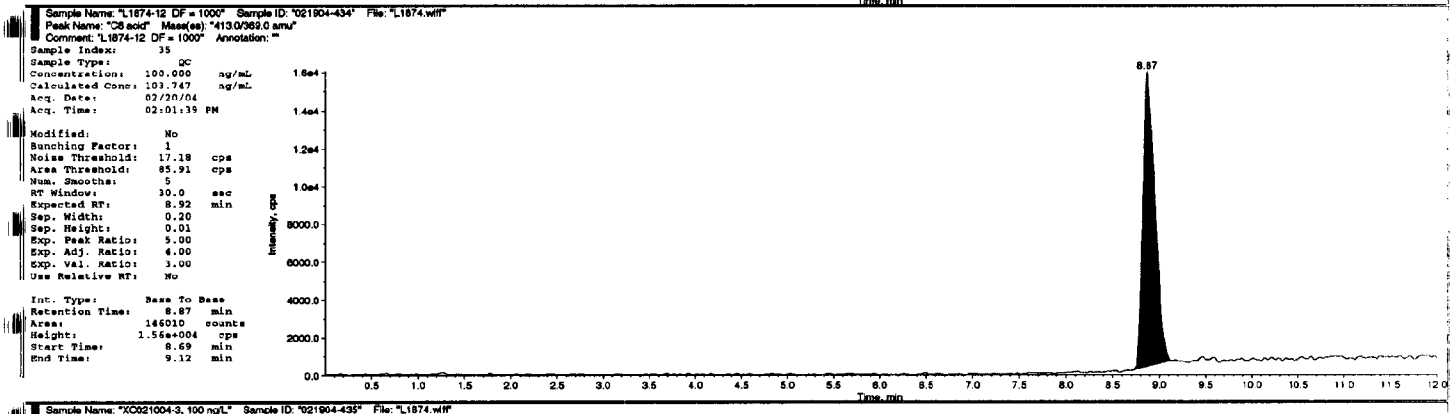


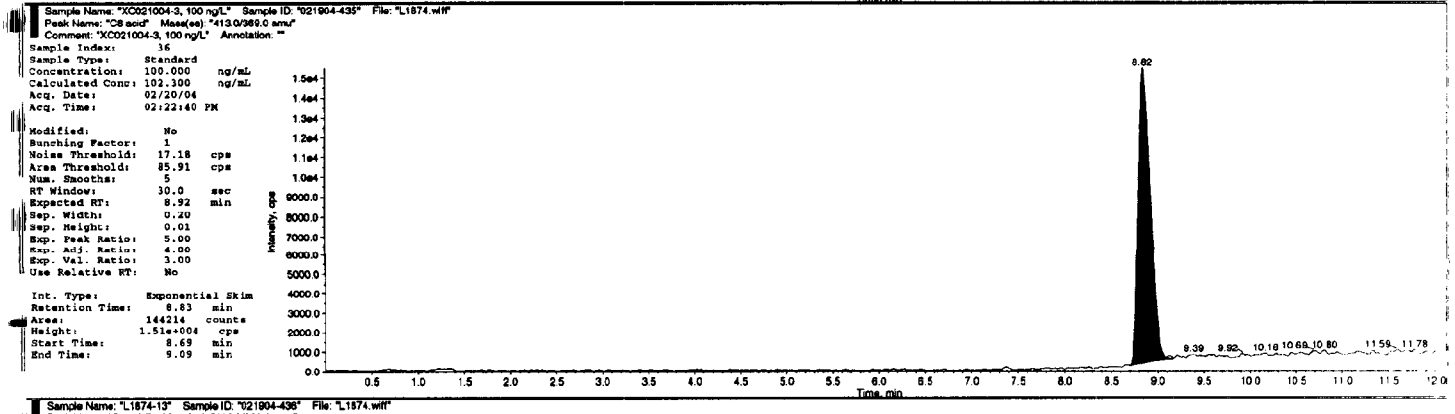
Sample Name: "L1874-10" Sample ID: "021904-432" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-10" Annotation: ""

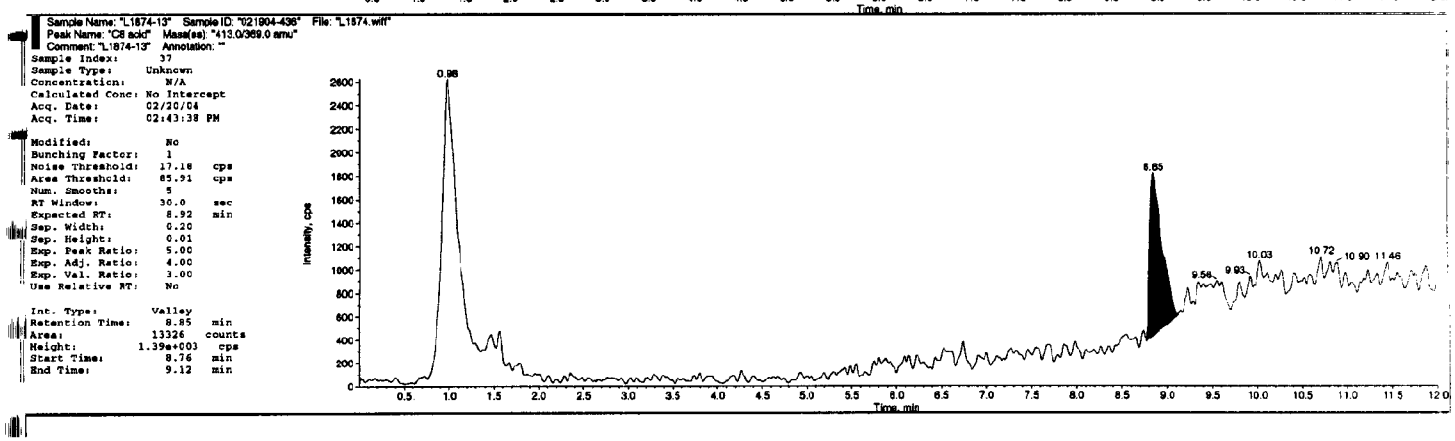
Sample Index:	33	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	6699.775	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	01:19:42 PM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	17.18	cps
Area Threshold:	85.91	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.92	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Exponential Skim	
Retention Time:	8.83	min
Area:	6332293	counts
Height:	8.16e+005	cps
Start Time:	8.48	min
End Time:	9.16	min




Sample Name: "L1874-11 DF = 100" Sample ID: "021904-433" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-11 DF = 100" Annotation: ""
Sample Index: 34
Sample Type: QC
Concentration: 100.000 ng/mL
Calculated Conc: 179.551 ng/mL
Acq. Date: 02/20/04
Acq. Time: 01:40:41 PM
Modified: No
Bunching Factor: 1
Noise Threshold: 17.18 cps
Area Threshold: 85.91 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 8.92 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Base To Base
Retention Time: 8.83 min
Area: 240089 counts
Height: 2.45e+004 cps
Start Time: 8.57 min
End Time: 9.11 min
Intensity, cps
Time, min

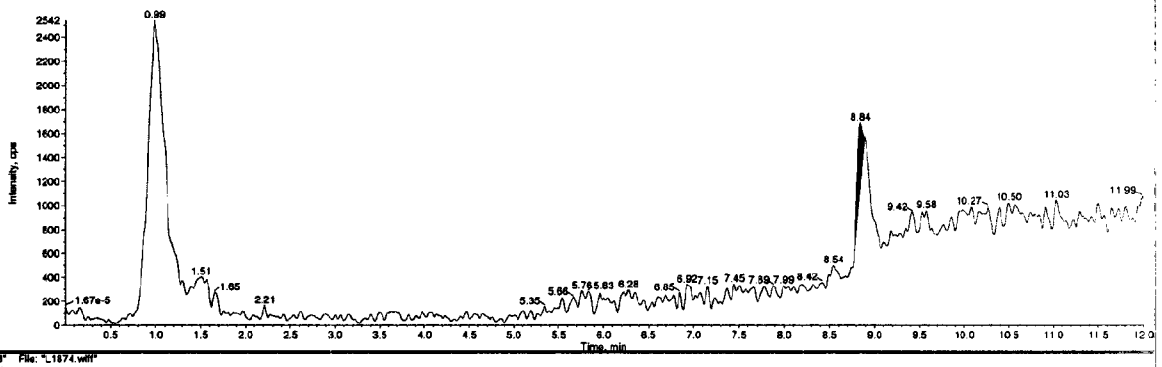

Sample Name: "L1874-12 DF = 1000" Sample ID: "021904-434" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-12 DF = 1000" Annotation: ""
Sample Index: 35
Sample Type: QC
Concentration: 100.000 ng/mL
Calculated Conc: 103.747 ng/mL
Acq. Date: 02/20/04
Acq. Time: 02:01:39 PM
Modified: No
Bunching Factor: 1
Noise Threshold: 17.18 cps
Area Threshold: 85.91 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 8.92 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Base To Base
Retention Time: 8.87 min
Area: 146010 counts
Height: 1.56e+004 cps
Start Time: 8.69 min
End Time: 9.12 min
8.87
Intensity, cps
Time, min


Sample Name: "XC021004-3, 100 ng/L" Sample ID: "021904-435" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "XC021004-3, 100 ng/L" Annotation: ""
Sample Index: 36
Sample Type: Standard
Concentration: 100.000 ng/mL
Calculated Conc: 102.300 ng/mL
Acq. Date: 02/20/04
Acq. Time: 02:22:40 PM
Modified: No
Bunching Factor: 1
Noise Threshold: 17.18 cps
Area Threshold: 85.91 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 8.92 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Exponential Skim
Retention Time: 8.83 min
Area: 144214 counts
Height: 1.51e+004 cps
Start Time: 8.69 min
End Time: 9.09 min
8.82
8.39 8.92 10.18 10.68 10.80 11.59 11.78
Intensity, cps
Time, min


Sample Name: "L1874-13" Sample ID: "021904-436" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-13" Annotation: ""
Sample Index: 37
Sample Type: Unknown
Concentration: N/A
Calculated Conc: No Intercept
Acq. Date: 02/20/04
Acq. Time: 02:43:38 PM
Modified: No
Bunching Factor: 1
Noise Threshold: 17.18 cps
Area Threshold: 85.91 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 8.92 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Valley
Retention Time: 8.85 min
Area: 13326 counts
Height: 1.39e+003 cps
Start Time: 8.76 min
End Time: 9.12 min
0.96
8.85
9.56 9.93 10.03 10.72 10.90 11.46
Intensity, cps
Time, min

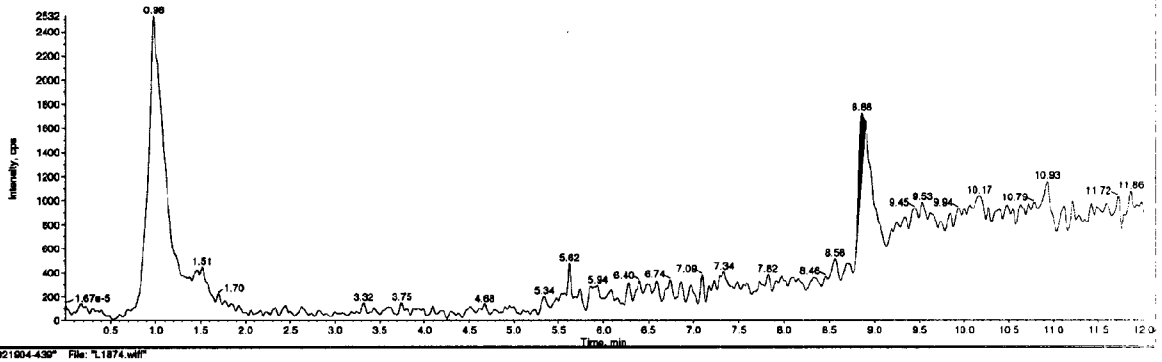
Sample Name: "L1874-13 Rep" Sample ID: "021904-437" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-13 Rep" Annotation: ""

Sample Index:	38
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	No Intercept
Acq. Date:	02/20/04
Acq. Time:	03:04:38 PM
Modified:	No
Bunching Factor:	1
Noise Threshold:	17.18 cps
Area Threshold:	85.91 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.92 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	8.84 min
Area:	2162 counts
Height:	5.48e+002 cps
Start Time:	8.77 min
End Time:	8.89 min



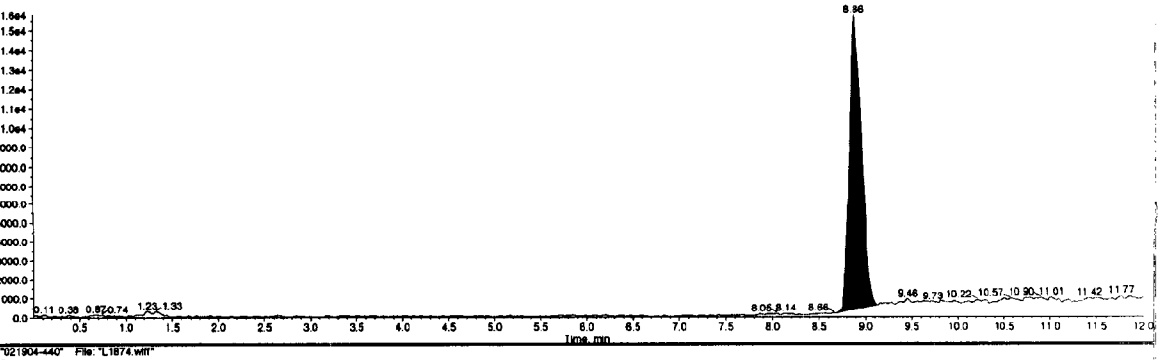
Sample Name: "L1874-14" Sample ID: "021904-438" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-14" Annotation: ""

Sample Index:	39
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	No Intercept
Acq. Date:	02/20/04
Acq. Time:	03:25:38 PM
Modified:	No
Bunching Factor:	1
Noise Threshold:	17.18 cps
Area Threshold:	85.91 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.92 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	8.86 min
Area:	2078 counts
Height:	5.29e+002 cps
Start Time:	8.80 min
End Time:	8.90 min



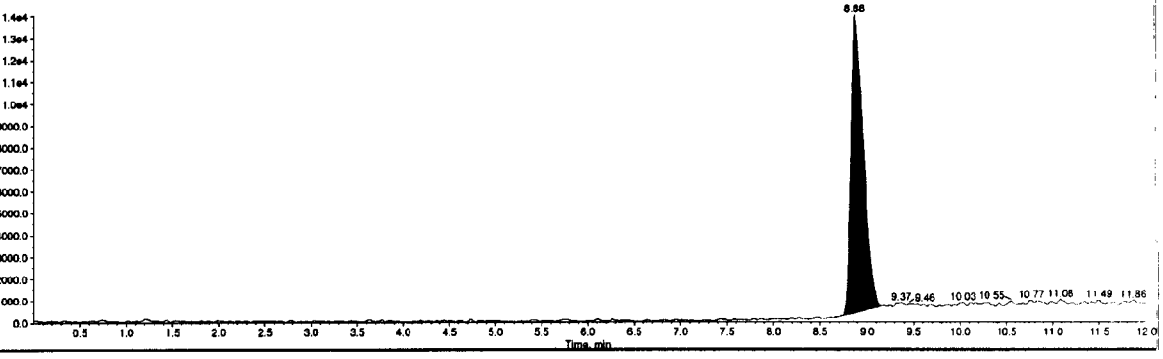
Sample Name: "L1874-15 DF = 100" Sample ID: "021904-439" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-15 DF = 100" Annotation: ""

Sample Index:	40
Sample Type:	QC
Concentration:	100.000 ng/mL
Calculated Conc:	103.002 ng/mL
Acq. Date:	02/20/04
Acq. Time:	03:46:36 PM
Modified:	No
Bunching Factor:	1
Noise Threshold:	17.18 cps
Area Threshold:	85.91 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.92 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	8.86 min
Area:	145085 counts
Height:	1.54e+004 cps
Start Time:	8.68 min
End Time:	9.13 min



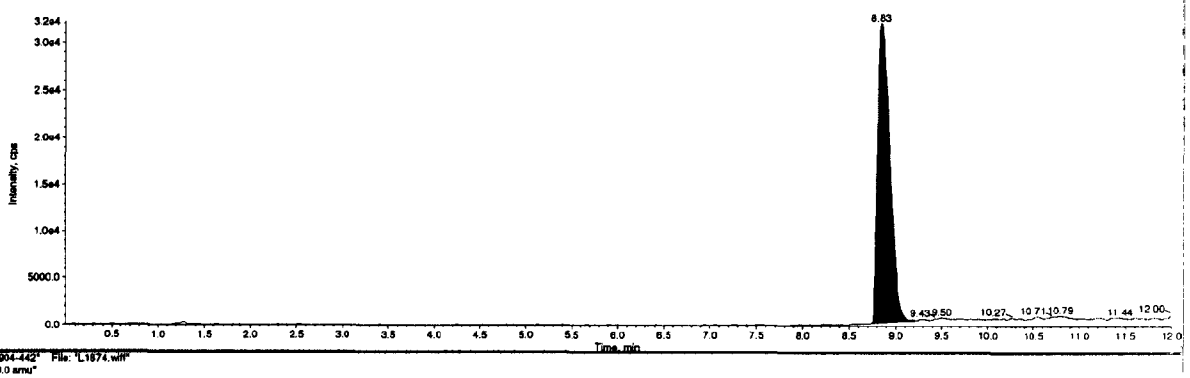
Sample Name: "L1874-16 DF = 1000" Sample ID: "021904-440" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-16 DF = 1000" Annotation: ""

Sample Index:	41
Sample Type:	QC
Concentration:	100.000 ng/mL
Calculated Conc:	90.525 ng/mL
Acq. Date:	02/20/04
Acq. Time:	04:07:38 PM
Modified:	No
Bunching Factor:	1
Noise Threshold:	17.18 cps
Area Threshold:	85.91 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.92 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	8.88 min
Area:	129600 counts
Height:	1.37e+004 cps
Start Time:	8.70 min
End Time:	9.16 min



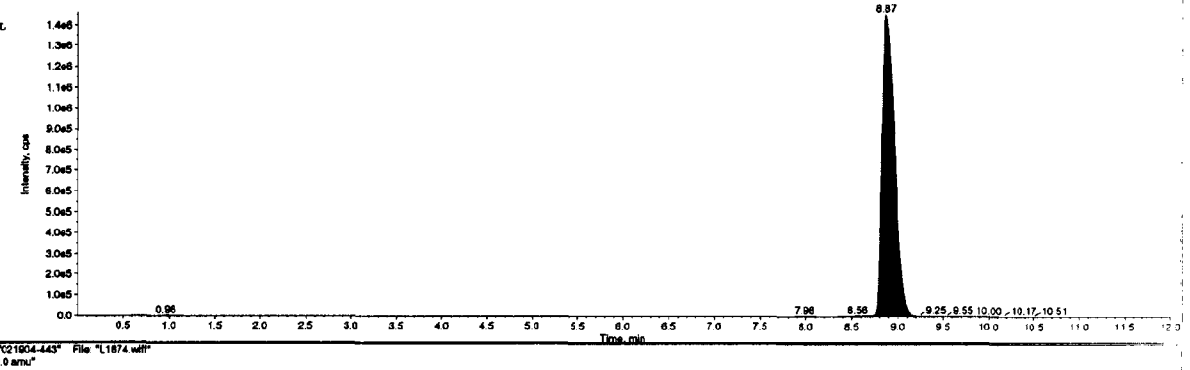
Sample Name: "XC021004-3, 250 ng/L" Sample ID: "021904-441" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "XC021004-3, 250 ng/L" Annotation: ""

Sample Index:	42
Sample Type:	Standard
Concentration:	250.000 ng/mL
Calculated Conc:	231.071 ng/mL
Acq. Date:	02/20/04
Acq. Time:	04:28:37 PM
Modified:	No
Bunching Factor:	1
Noise Threshold:	17.18 cps
Area Threshold:	85.91 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.92 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	8.84 min
Area:	304031 counts
Height:	3.19e+004 cps
Start Time:	8.71 min
End Time:	9.24 min



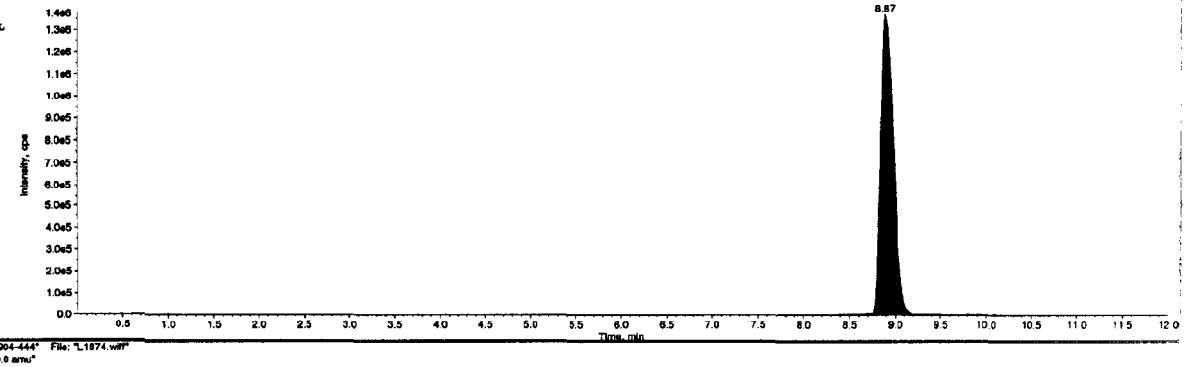
Sample Name: "L1874-17" Sample ID: "021904-442" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-17" Annotation: ""

Sample Index:	43
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	11668.238 ng/mL
Acq. Date:	02/20/04
Acq. Time:	04:49:36 PM
Modified:	No
Bunching Factor:	1
Noise Threshold:	17.18 cps
Area Threshold:	85.91 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.92 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Exponential Skim
Retention Time:	8.87 min
Area:	14498616 counts
Height:	1.46e+006 cps
Start Time:	8.72 min
End Time:	9.17 min



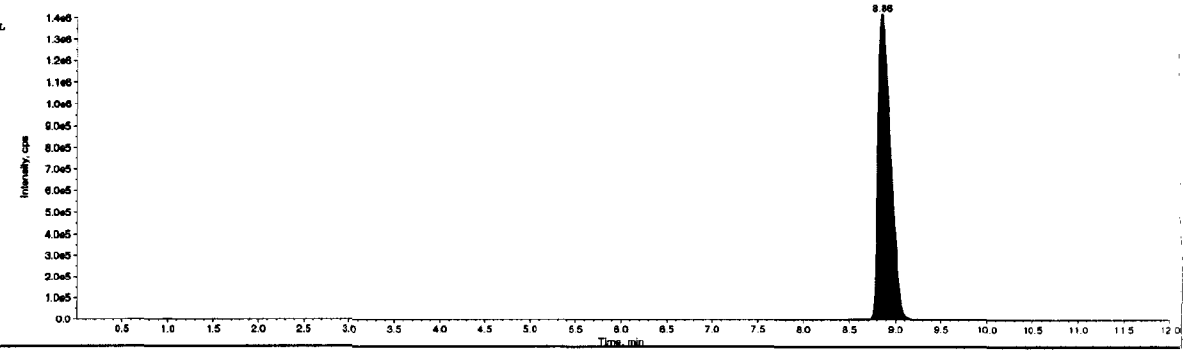
Sample Name: "L1874-17 Rep" Sample ID: "021904-443" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-17 Rep" Annotation: ""

Sample Index:	44
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	11128.528 ng/mL
Acq. Date:	02/20/04
Acq. Time:	05:10:34 PM
Modified:	No
Bunching Factor:	1
Noise Threshold:	17.18 cps
Area Threshold:	85.91 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.92 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Exponential Skim
Retention Time:	8.87 min
Area:	13828786 counts
Height:	1.37e+006 cps
Start Time:	8.62 min
End Time:	9.20 min



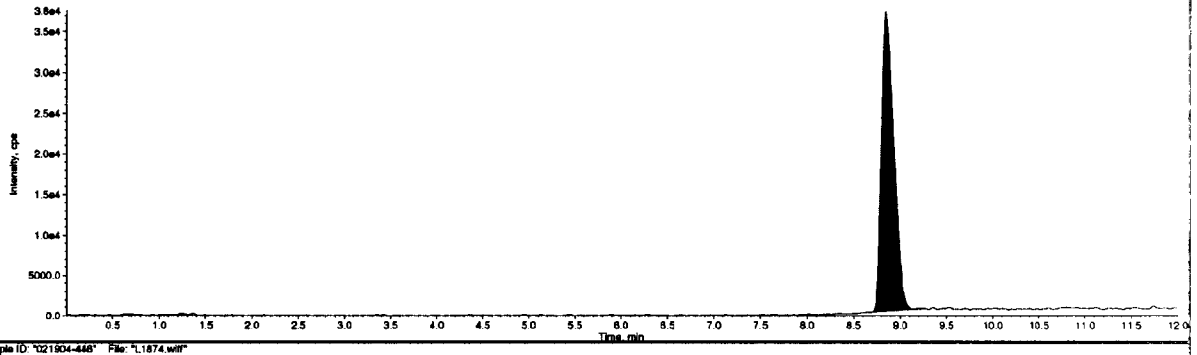
Sample Name: "L1874-18" Sample ID: "021904-444" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-18" Annotation: ""

Sample Index:	45
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	11276.197 ng/mL
Acq. Date:	02/20/04
Acq. Time:	05:31:36 PM
Modified:	No
Bunching Factor:	1
Noise Threshold:	17.18 cps
Area Threshold:	85.91 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.92 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Exponential Skim
Retention Time:	8.86 min
Area:	14012057 counts
Height:	1.43e+006 cps
Start Time:	8.70 min
End Time:	9.21 min



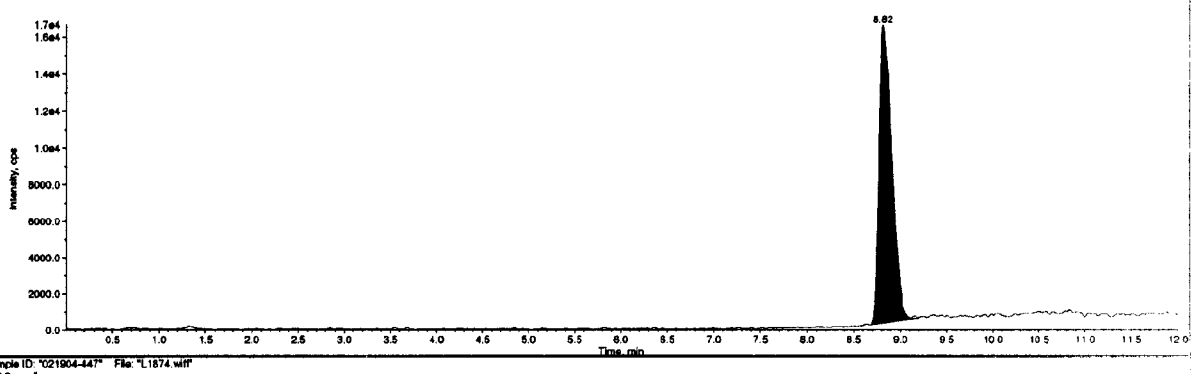
Sample Name: "L1874-19 DF = 100" Sample ID: "021904-445" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-19 DF = 100" Annotation: ""

Sample Index:	46	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	273.755	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	05:52:38 PM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	17.18	cps
Area Threshold:	85.91	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.92	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Exponential Skim	
Retention Time:	8.84	min
Area:	357006	counts
Height:	3.70e+004	cps
Start Time:	8.68	min
End Time:	9.12	min



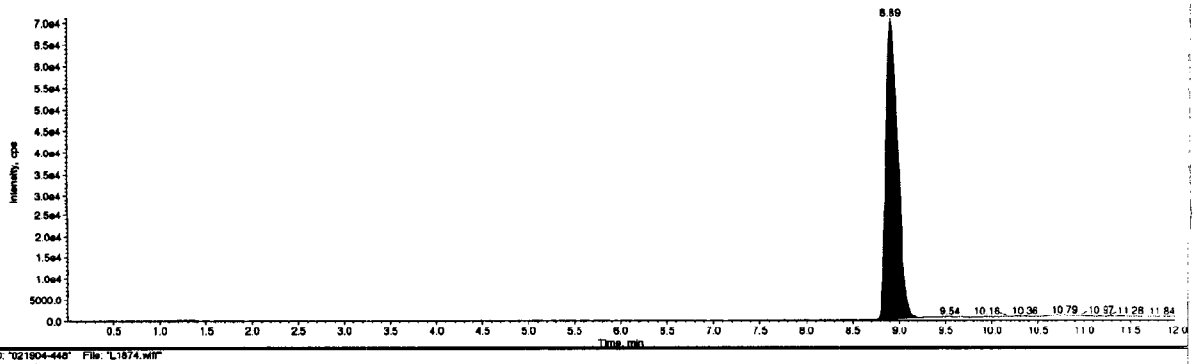
Sample Name: "L1874-20 DF = 1000" Sample ID: "021904-446" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-20 DF = 1000" Annotation: ""

Sample Index:	47	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	117.085	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	06:13:37 PM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	17.18	cps
Area Threshold:	85.91	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.92	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Exponential Skim	
Retention Time:	8.82	min
Area:	162564	counts
Height:	1.64e+004	cps
Start Time:	8.68	min
End Time:	9.10	min



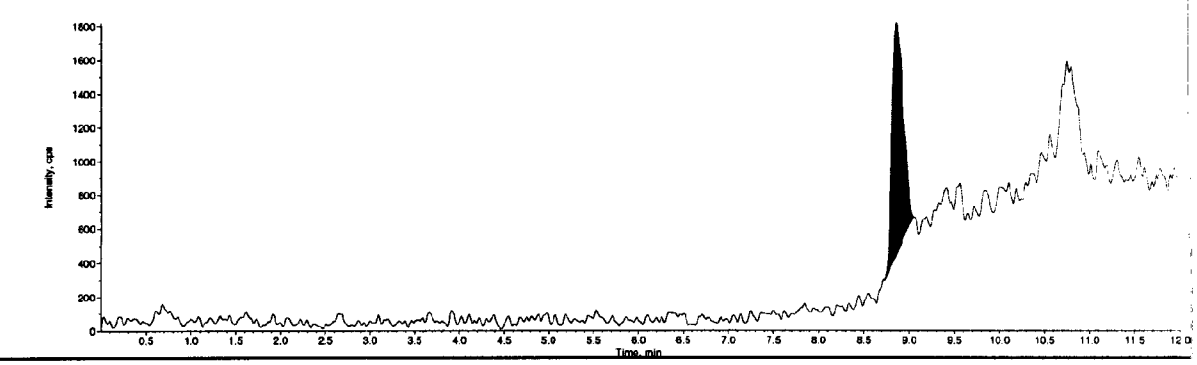
Sample Name: "XC021004-3, 500 ng/L" Sample ID: "021904-447" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "XC021004-3, 500 ng/L" Annotation: ""

Sample Index:	48	
Sample Type:	Standard	
Concentration:	500.000	ng/mL
Calculated Conc:	515.305	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	06:34:36 PM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	17.18	cps
Area Threshold:	85.91	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.92	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Valley	
Retention Time:	8.89	min
Area:	656791	counts
Height:	7.08e+004	cps
Start Time:	8.74	min
End Time:	9.21	min



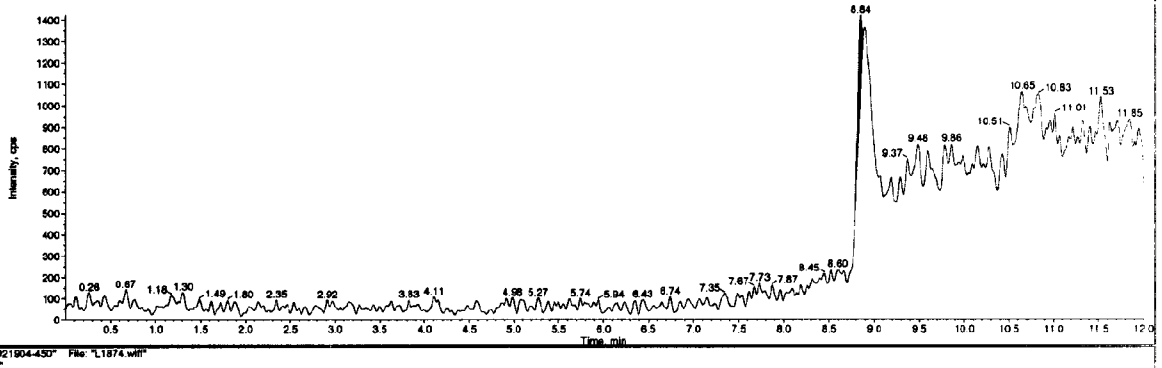
Sample Name: "Methanol Wash" Sample ID: "021904-448" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "Methanol Wash" Annotation: ""

Sample Index:	49	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	No Intercept	
Acq. Date:	02/20/04	
Acq. Time:	06:55:35 PM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	17.18	cps
Area Threshold:	85.91	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.92	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Base To Base	
Retention Time:	8.87	min
Area:	12269	counts
Height:	1.37e+003	cps
Start Time:	8.74	min
End Time:	9.05	min



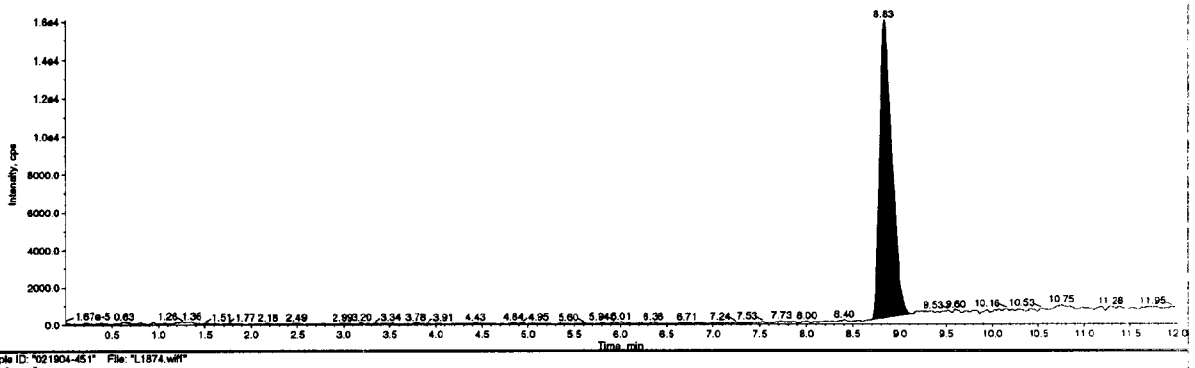
Sample Name: "L1874-21" Sample ID: "021904-449" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-21" Annotation: ""

Sample Index:	50
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	No Intercept
Acq. Date:	02/20/04
Acq. Time:	07:16:36 PM
Modified:	No
Bunching Factor:	1
Noise Threshold:	17.18 cps
Area Threshold:	85.91 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.92 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	8.84 min
Area:	1139 counts
Height:	3.75e+002 cps
Start Time:	8.78 min
End Time:	8.87 min



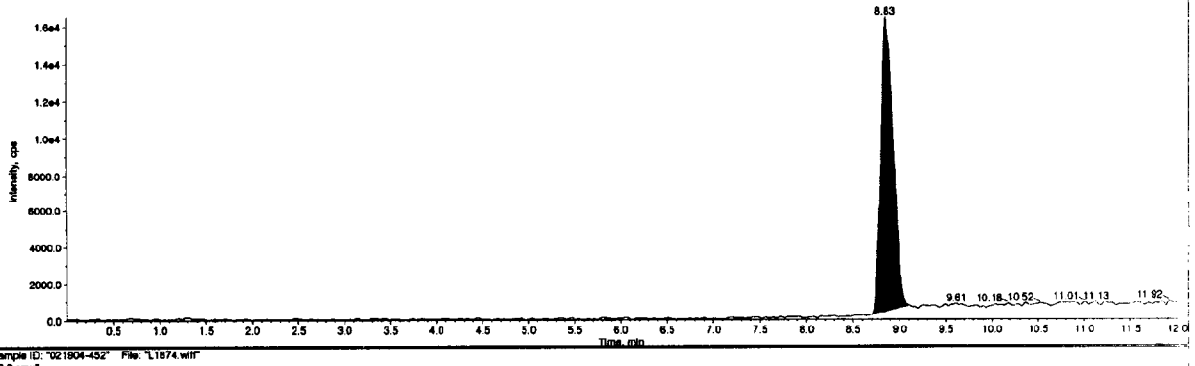
Sample Name: "L1874-22 DF = 100" Sample ID: "021904-450" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-22 DF = 100" Annotation: ""

Sample Index:	51
Sample Type:	QC
Concentration:	100.000 ng/mL
Calculated Conc:	106.486 ng/mL
Acq. Date:	02/20/04
Acq. Time:	07:37:39 PM
Modified:	No
Bunching Factor:	1
Noise Threshold:	17.18 cps
Area Threshold:	85.91 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.92 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	8.84 min
Area:	149409 counts
Height:	1.58e+004 cps
Start Time:	8.68 min
End Time:	9.14 min



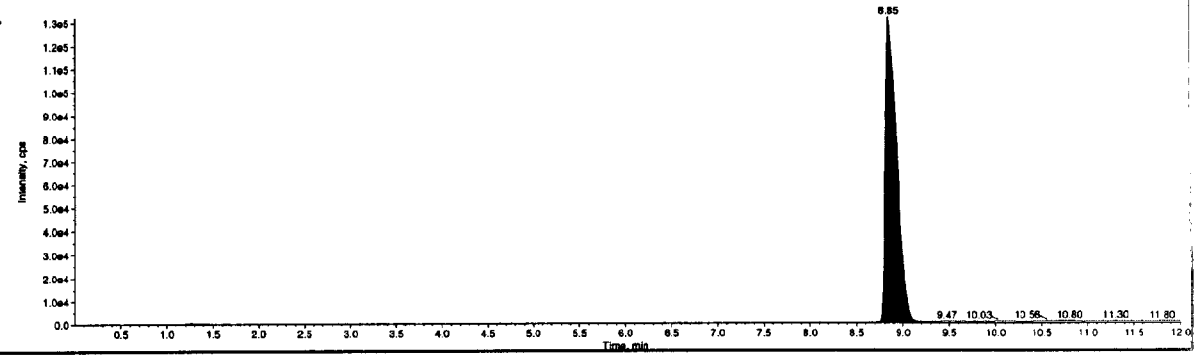
Sample Name: "L1874-23 DF = 1000" Sample ID: "021904-451" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "L1874-23 DF = 1000" Annotation: ""

Sample Index:	52
Sample Type:	QC
Concentration:	100.000 ng/mL
Calculated Conc:	111.072 ng/mL
Acq. Date:	02/20/04
Acq. Time:	07:58:40 PM
Modified:	No
Bunching Factor:	1
Noise Threshold:	17.18 cps
Area Threshold:	85.91 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.92 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	8.84 min
Area:	155101 counts
Height:	1.61e+004 cps
Start Time:	8.70 min
End Time:	9.10 min



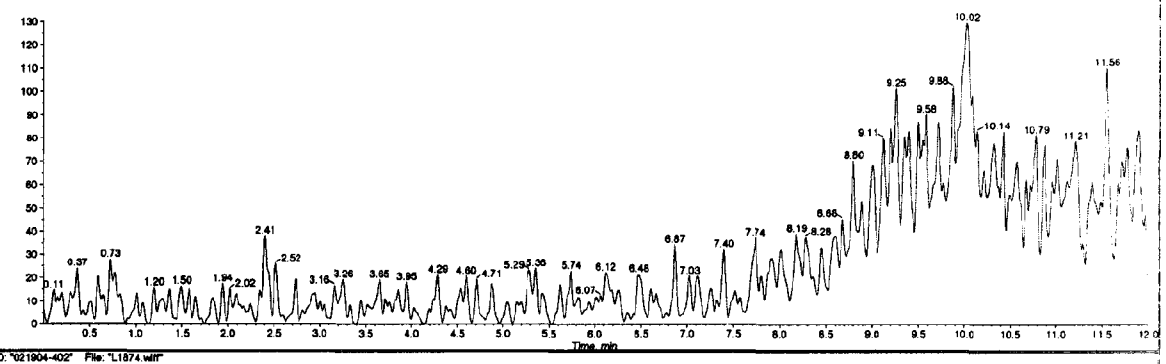
Sample Name: "XC021004-6, 1000 ng/L" Sample ID: "021904-452" File: "L1874.wiff"
Peak Name: "C8 acid" Mass(es): "413.0/369.0 amu"
Comment: "XC021004-6, 1000 ng/L" Annotation: ""

Sample Index:	53
Sample Type:	Standard
Concentration:	1000.000 ng/mL
Calculated Conc:	951.769 ng/mL
Acq. Date:	02/20/04
Acq. Time:	08:19:42 PM
Modified:	No
Bunching Factor:	1
Noise Threshold:	17.18 cps
Area Threshold:	85.91 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.92 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	8.85 min
Area:	1198484 counts
Height:	1.32e+005 cps
Start Time:	8.72 min
End Time:	9.25 min



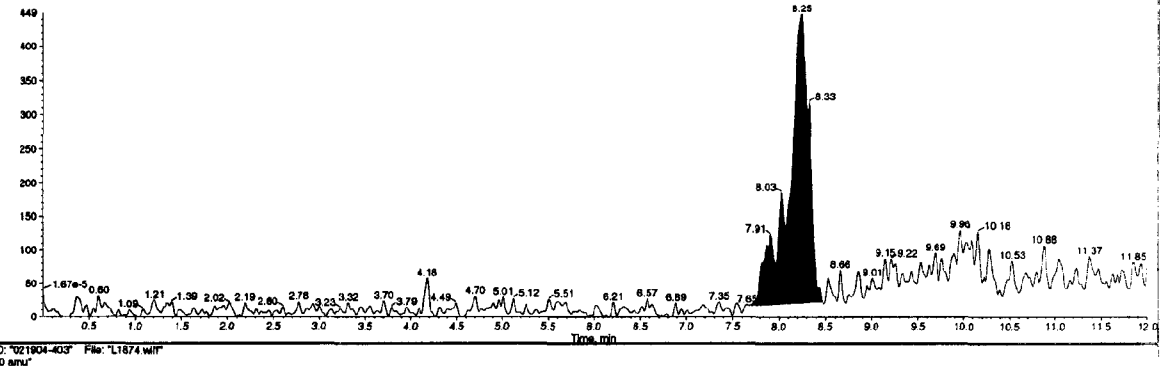
Sample Name: "XC021004-0, 0 ng/L" Sample ID: "021904-401" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "XC021004-0, 0 ng/L" Annotation: ""

Sample Index:	2	
Sample Type:	Standard	
Concentration:	0.000	ng/mL
Calculated Conc:	0.000	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	02:28:54 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	1.11	cps
Area Threshold:	5.53	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.30	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.18	min
Area:	0	counts
Height:	0.00e+000	cps
Start Time:	8.11	min
End Time:	8.40	min



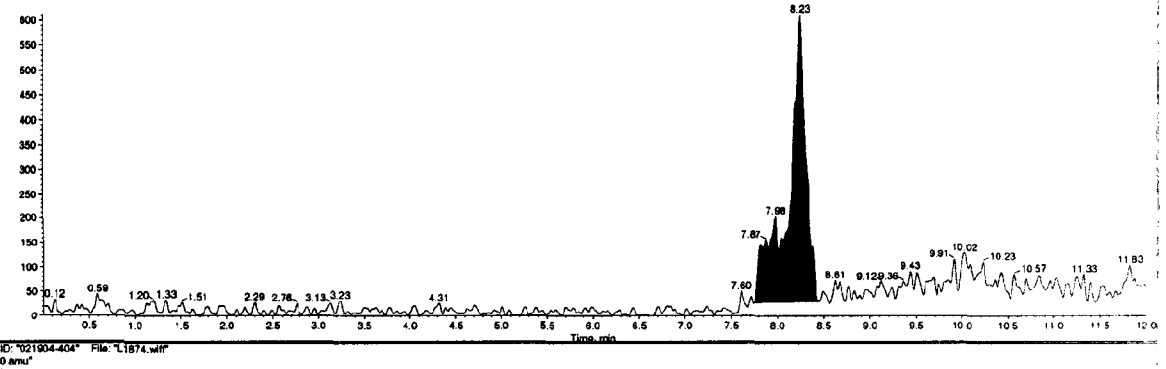
Sample Name: "XC021004-1, 25 ng/L" Sample ID: "021904-402" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "XC021004-1, 25 ng/L" Annotation: ""

Sample Index:	3	
Sample Type:	Standard	
Concentration:	25.000	ng/mL
Calculated Conc:	48.827	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	02:49:55 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	1.11	cps
Area Threshold:	5.53	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.30	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.24	min
Area:	6887	counts
Height:	4.30e+002	cps
Start Time:	7.70	min
End Time:	8.48	min



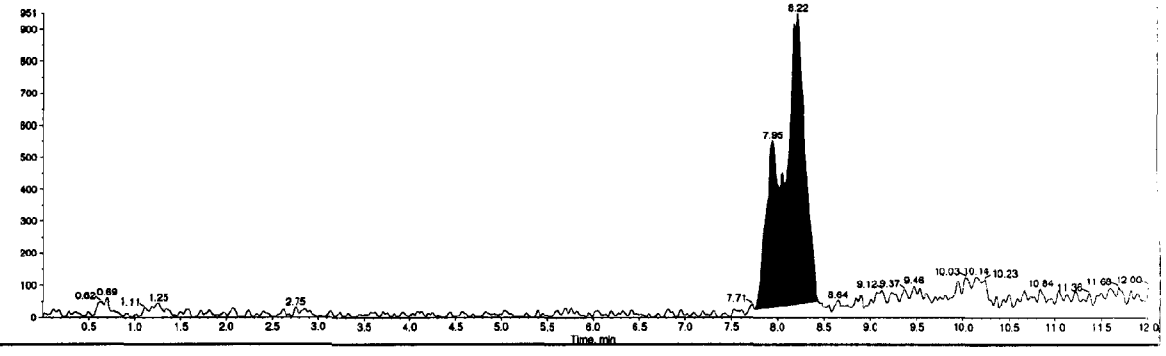
Sample Name: "XC021004-2, 50 ng/L" Sample ID: "021904-403" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "XC021004-2, 50 ng/L" Annotation: ""

Sample Index:	4	
Sample Type:	Standard	
Concentration:	50.000	ng/mL
Calculated Conc:	57.288	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	03:10:52 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	1.11	cps
Area Threshold:	5.53	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.30	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.23	min
Area:	8080	counts
Height:	5.85e+002	cps
Start Time:	7.73	min
End Time:	8.44	min



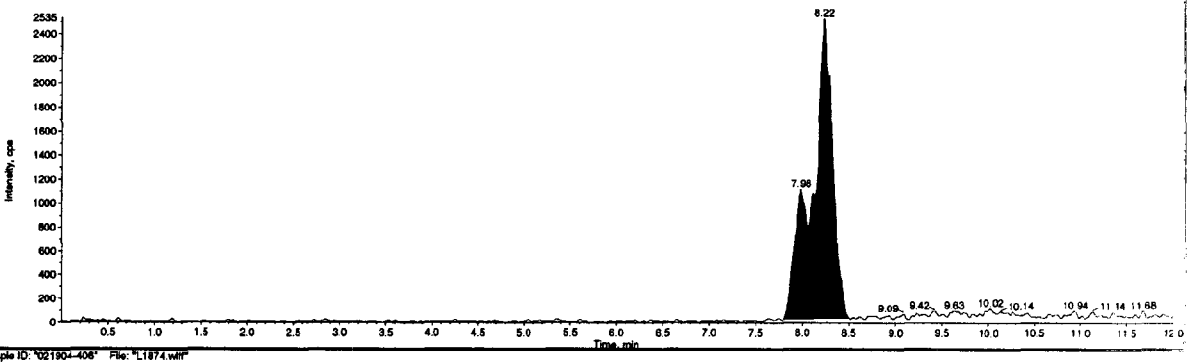
Sample Name: "XC021004-3, 100 ng/L" Sample ID: "021904-404" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "XC021004-3, 100 ng/L" Annotation: ""

Sample Index:	5	
Sample Type:	Standard	
Concentration:	100.000	ng/mL
Calculated Conc:	117.048	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	03:31:51 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	1.11	cps
Area Threshold:	5.53	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.30	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.22	min
Area:	16509	counts
Height:	9.09e+002	cps
Start Time:	7.75	min
End Time:	8.47	min



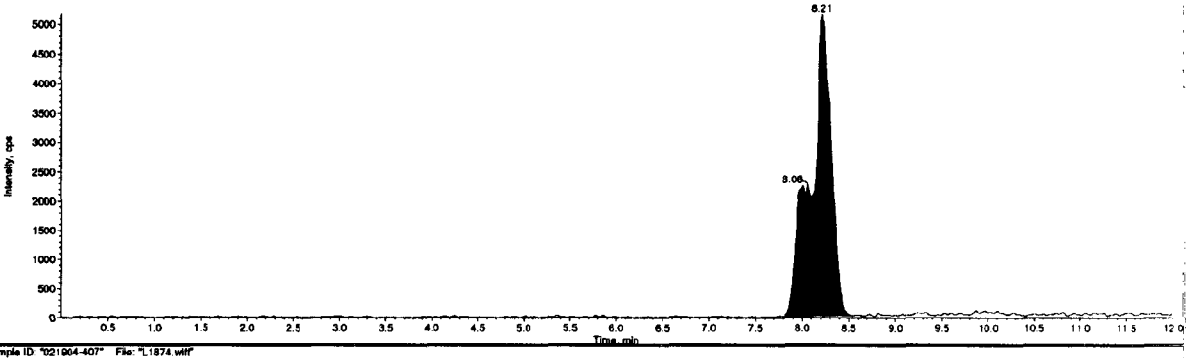
Sample Name: "XC021004-4, 250 ng/L" Sample ID: "021904-406" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "XC021004-4, 250 ng/L" Annotation: ""

Sample Index:	6	
Sample Type:	Standard	
Concentration:	250.000	ng/mL
Calculated Conc:	285.444	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	03:52:48 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	1.11	cps
Area Threshold:	5.53	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.30	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.22	min
Area:	40261	counts
Height:	2.51e+003	cps
Start Time:	7.81	min
End Time:	8.50	min



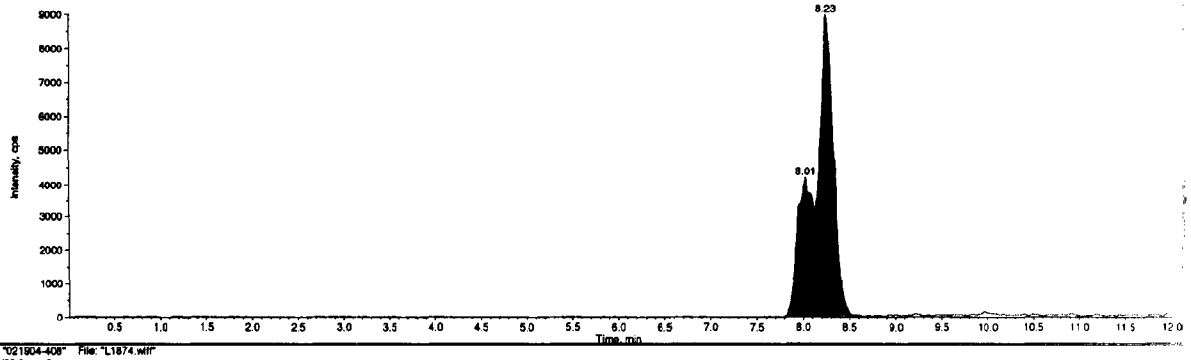
Sample Name: "XC021004-5, 500 ng/L" Sample ID: "021904-406" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "XC021004-5, 500 ng/L" Annotation: ""

Sample Index:	7	
Sample Type:	Standard	
Concentration:	500.000	ng/mL
Calculated Conc:	580.662	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	04:13:49 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	1.11	cps
Area Threshold:	5.53	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.30	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.22	min
Area:	81900	counts
Height:	5.16e+003	cps
Start Time:	7.81	min
End Time:	8.55	min



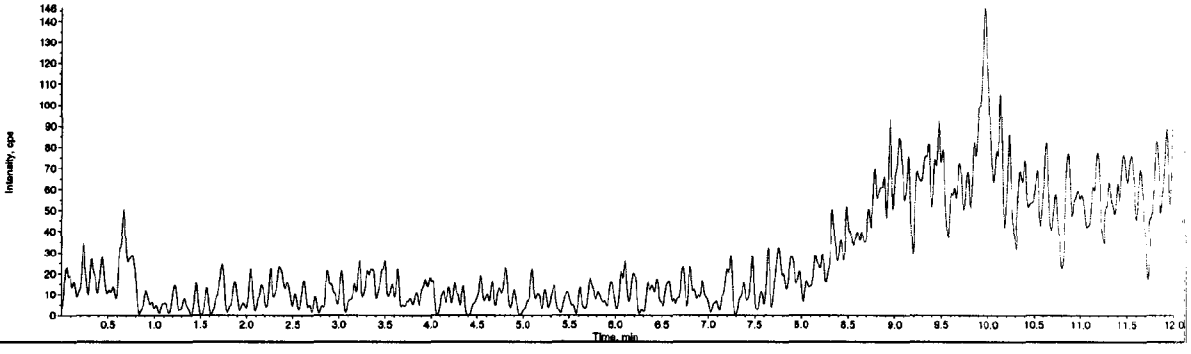
Sample Name: "XC021004-6, 1000 ng/L" Sample ID: "021904-407" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "XC021004-6, 1000 ng/L" Annotation: ""

Sample Index:	8	
Sample Type:	Standard	
Concentration:	1000.000	ng/mL
Calculated Conc:	1017.628	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	04:34:48 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	1.11	cps
Area Threshold:	5.53	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.30	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.23	min
Area:	143532	counts
Height:	8.97e+003	cps
Start Time:	7.78	min
End Time:	8.56	min



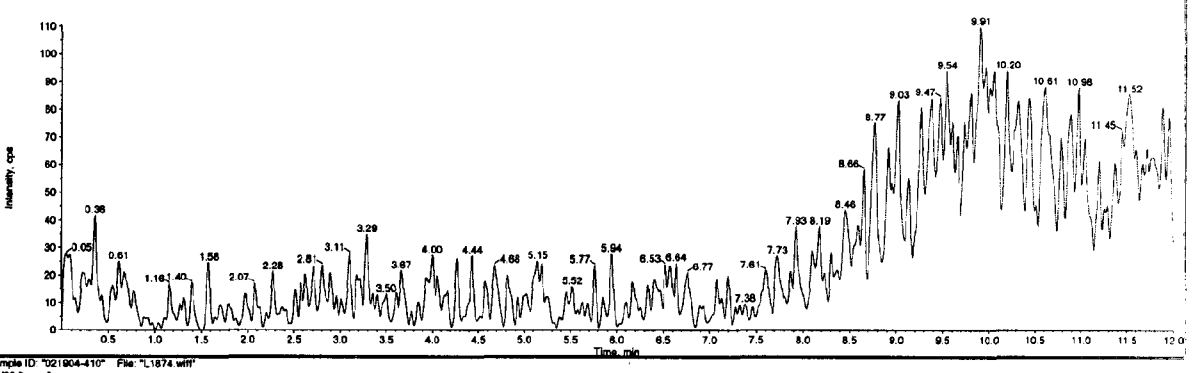
Sample Name: "Methanol Wash" Sample ID: "021904-408" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "Methanol Wash" Annotation: ""

Sample Index:	9	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	0.000	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	04:55:46 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	1.11	cps
Area Threshold:	5.53	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.30	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.33	min
Area:	0	counts
Height:	0.00e+000	cps
Start Time:	8.12	min
End Time:	8.35	min



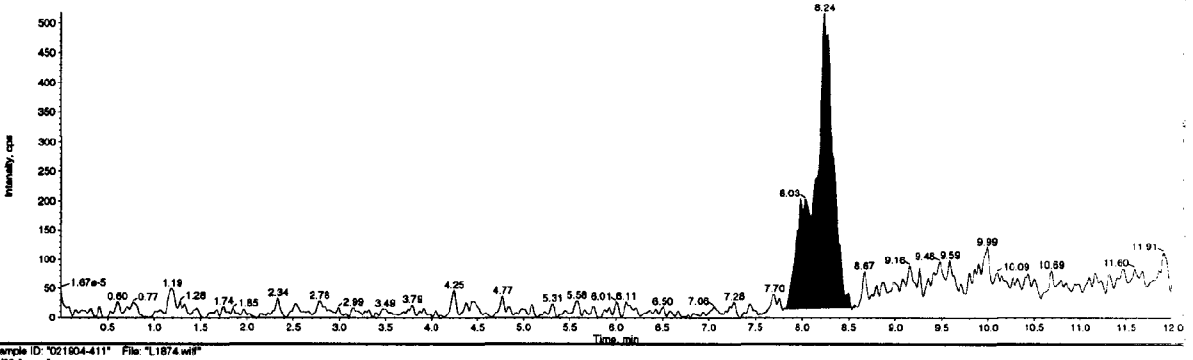
Sample Name: "0106020 Control" Sample ID: "021904-409" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "0106020 Control" Annotation: ""

Sample Index:	10	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	0.000	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	05:16:48 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	1.11	cps
Area Threshold:	5.53	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.30	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.66	min
Area:	0	counts
Height:	0.00e+000	cps
Start Time:	7.75	min
End Time:	8.74	min



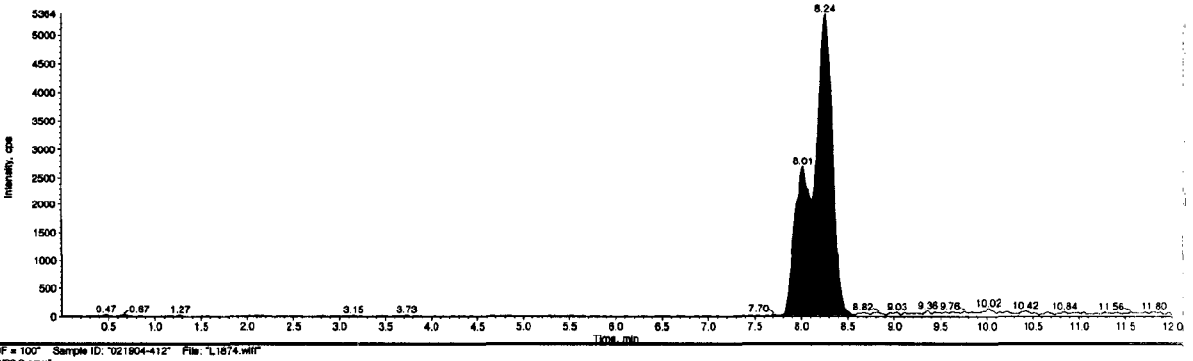
Sample Name: "0106020 Spk A, 50 ng/L" Sample ID: "021904-410" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "0106020 Spk A, 50 ng/L" Annotation: ""

Sample Index:	11	
Sample Type:	QC	
Concentration:	50.000	ng/mL
Calculated Conc:	53.823	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	05:37:50 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	1.11	cps
Area Threshold:	5.53	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.30	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.23	min
Area:	7591	counts
Height:	5.04e+002	cps
Start Time:	7.81	min
End Time:	8.56	min



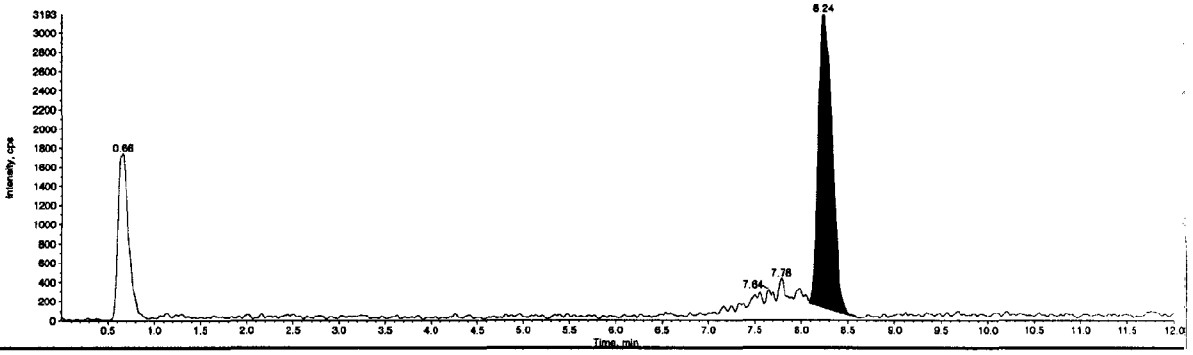
Sample Name: "0106020 Spk B, 500 ng/L" Sample ID: "021904-411" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "0106020 Spk B, 500 ng/L" Annotation: ""

Sample Index:	12	
Sample Type:	QC	
Concentration:	500.000	ng/mL
Calculated Conc:	657.943	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	05:58:47 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	1.11	cps
Area Threshold:	5.53	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.30	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.24	min
Area:	92800	counts
Height:	5.35e+003	cps
Start Time:	7.77	min
End Time:	8.55	min



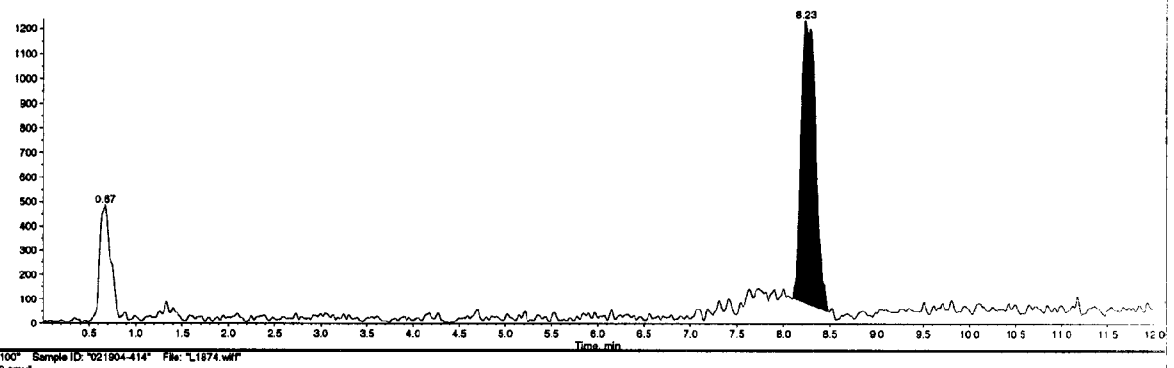
Sample Name: "L1874-1 Spk C, 10000 ng/L DF = 100" Sample ID: "021904-412" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-1 Spk C, 10000 ng/L DF = 100" Annotation: ""

Sample Index:	13	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	233.353	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	06:19:50 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	1.11	cps
Area Threshold:	5.53	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.30	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Valley	
Retention Time:	8.24	min
Area:	32913	counts
Height:	3.07e+003	cps
Start Time:	8.08	min
End Time:	8.60	min



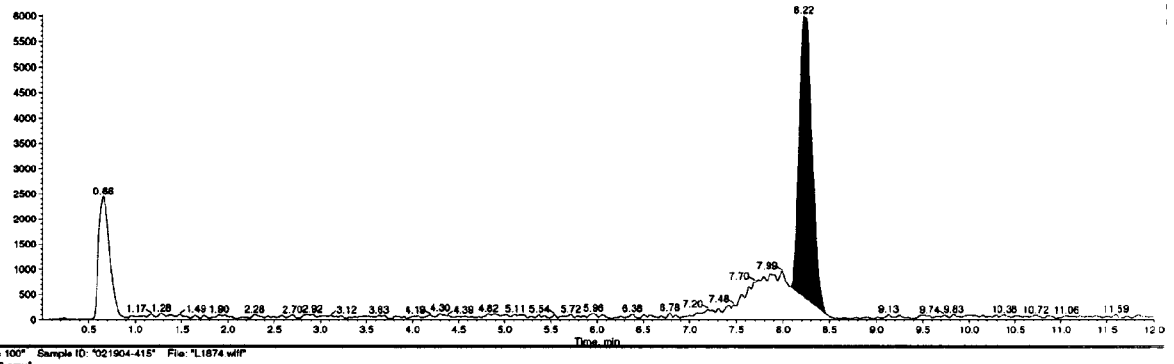
Sample Name: "L1874-5 Spk D, 10000 ng/L DF = 100" Sample ID: "021904-413" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-5 Spk D, 10000 ng/L DF = 100" Annotation: ""

Sample Index:	14	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	91.948	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	06:40:51 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	1.11	cps
Area Threshold:	5.53	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.30	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.23	min
Area:	12969	counts
Height:	1.15e+003	cps
Start Time:	8.08	min
End Time:	8.49	min



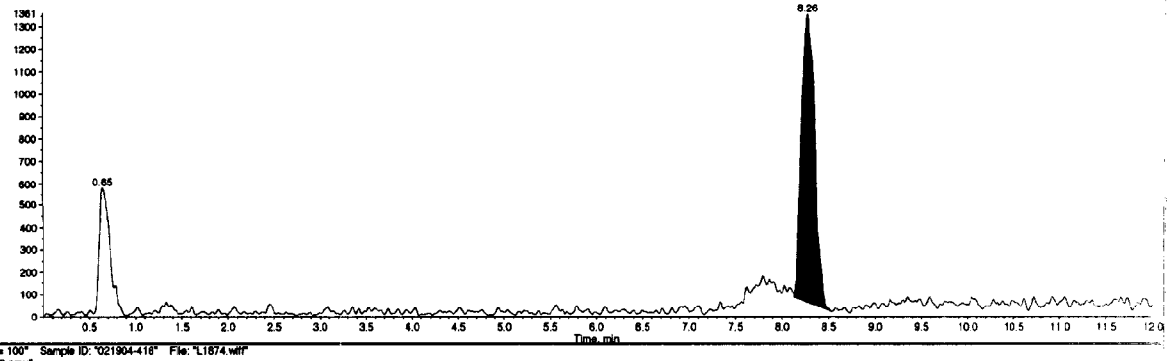
Sample Name: "L1874-9 Spk E, 10000 ng/L DF = 100" Sample ID: "021904-414" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-9 Spk E, 10000 ng/L DF = 100" Annotation: ""

Sample Index:	15	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	392.067	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	07:01:46 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	1.11	cps
Area Threshold:	5.53	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.30	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.22	min
Area:	55299	counts
Height:	5.57e+003	cps
Start Time:	8.08	min
End Time:	8.47	min



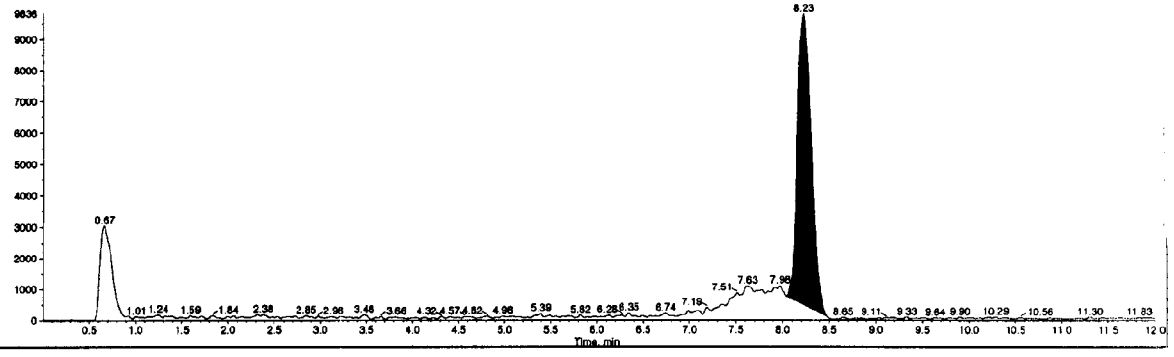
Sample Name: "L1874-13 Spk F, 10000 ng/L DF = 100" Sample ID: "021904-415" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-13 Spk F, 10000 ng/L DF = 100" Annotation: ""

Sample Index:	16	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	96.532	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	07:22:46 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	1.11	cps
Area Threshold:	5.53	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.30	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Valley	
Retention Time:	8.26	min
Area:	13133	counts
Height:	1.30e+003	cps
Start Time:	8.12	min
End Time:	8.54	min



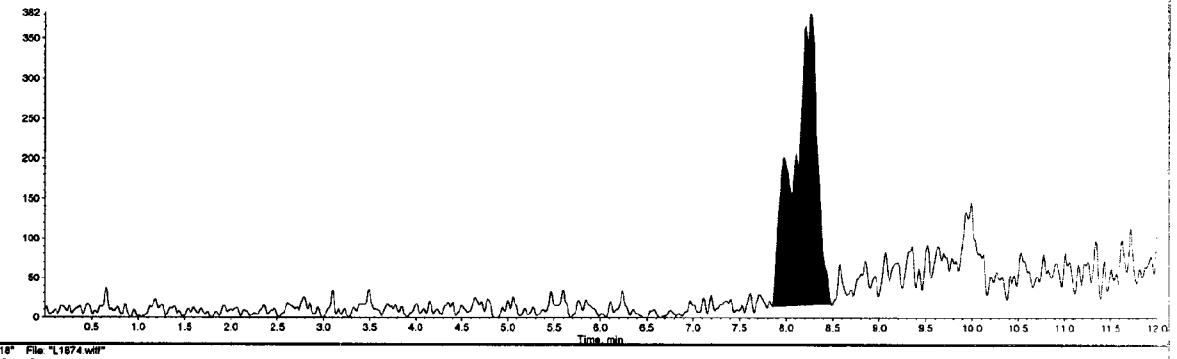
Sample Name: "L1874-17 Spk G, 10000 ng/L DF = 100" Sample ID: "021904-416" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-17 Spk G, 10000 ng/L DF = 100" Annotation: ""

Sample Index:	17	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	704.273	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	07:43:49 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	1.11	cps
Area Threshold:	5.53	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.30	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.23	min
Area:	99334	counts
Height:	9.35e+003	cps
Start Time:	8.04	min
End Time:	8.50	min



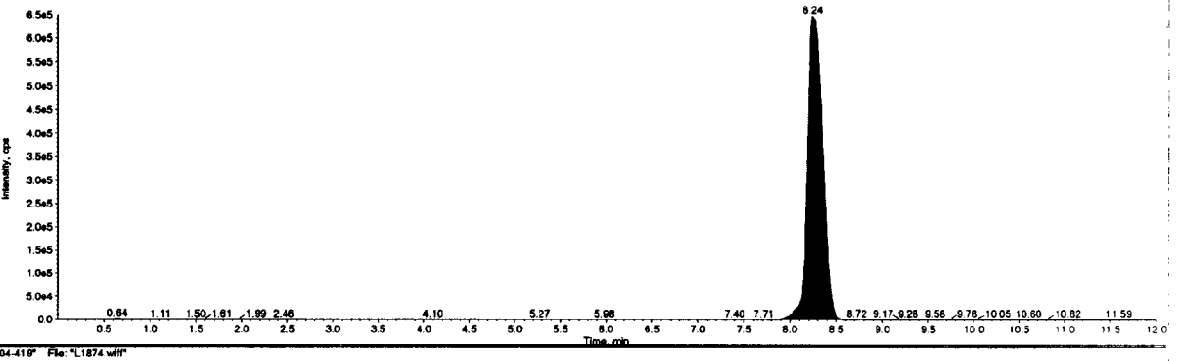
Sample Name: "X0021004-1, 25 ng/L" Sample ID: "021904-417" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "X0021004-1, 25 ng/L" Annotation: ""

Sample Index:	18
Sample Type:	Standard
Concentration:	25.000 ng/mL
Calculated Conc:	46.760 ng/mL
Acq. Date:	02/20/04
Acq. Time:	08:04:48 AM
Modified:	Yes
Bunching Factor:	1
Noise Threshold:	1.11 cps
Area Threshold:	5.53 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.30 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Manual
Retention Time:	8.26 min
Area:	6595 counts
Height:	3.66e+002 cps
Start Time:	7.85 min
End Time:	8.48 min



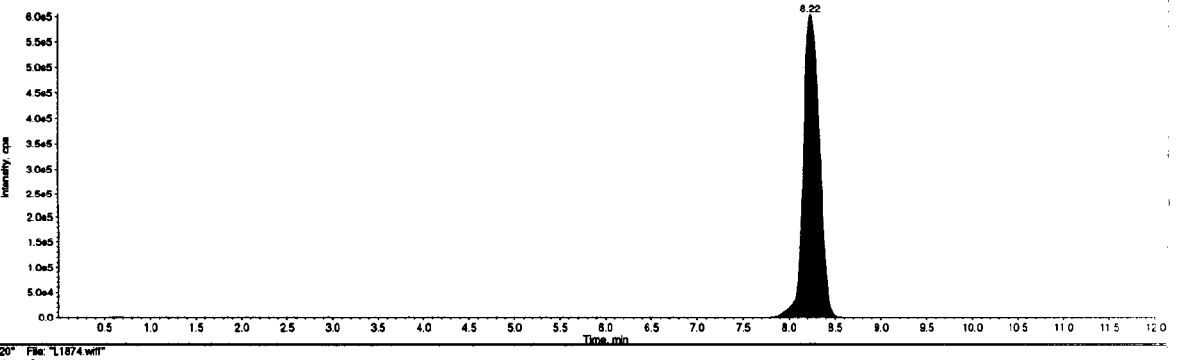
Sample Name: "L1874-1" Sample ID: "021904-418" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-1" Annotation: ""

Sample Index:	19
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	54986.674 ng/mL
Acq. Date:	02/20/04
Acq. Time:	08:25:46 AM
Modified:	No
Bunching Factor:	1
Noise Threshold:	1.11 cps
Area Threshold:	5.53 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.30 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Exponential Skim
Retention Time:	8.24 min
Area:	7755615 counts
Height:	6.50e+005 cps
Start Time:	7.75 min
End Time:	8.60 min



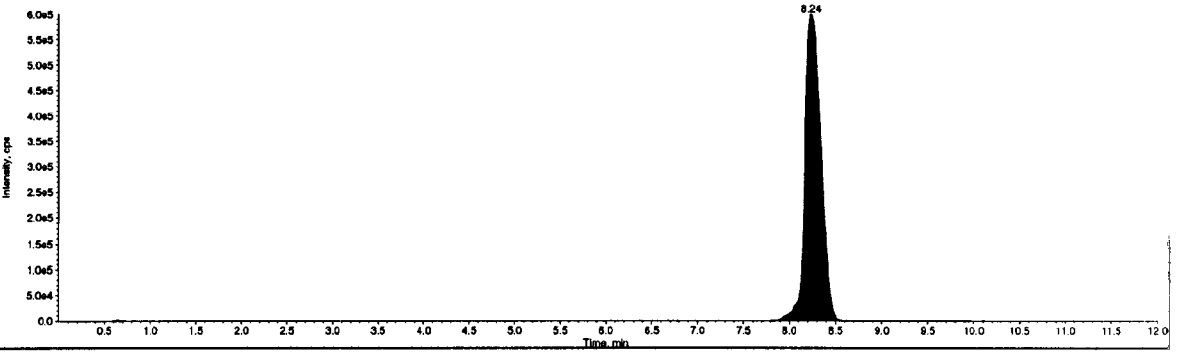
Sample Name: "L1874-1 Rep" Sample ID: "021904-419" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-1 Rep" Annotation: ""

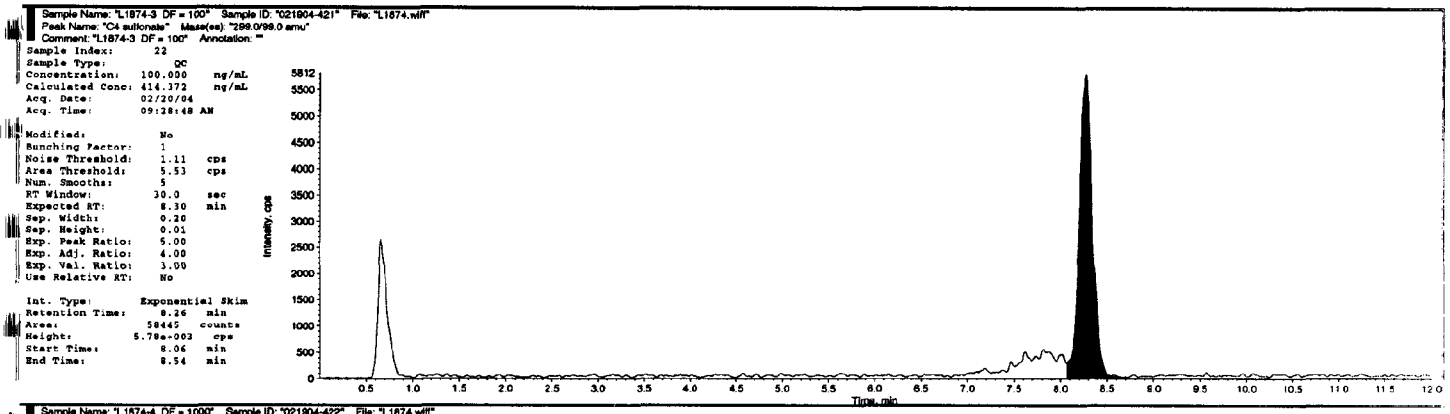
Sample Index:	20
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	53381.257 ng/mL
Acq. Date:	02/20/04
Acq. Time:	08:46:45 AM
Modified:	No
Bunching Factor:	1
Noise Threshold:	1.11 cps
Area Threshold:	5.53 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.30 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Exponential Skim
Retention Time:	8.22 min
Area:	7529178 counts
Height:	6.05e+005 cps
Start Time:	7.66 min
End Time:	8.57 min

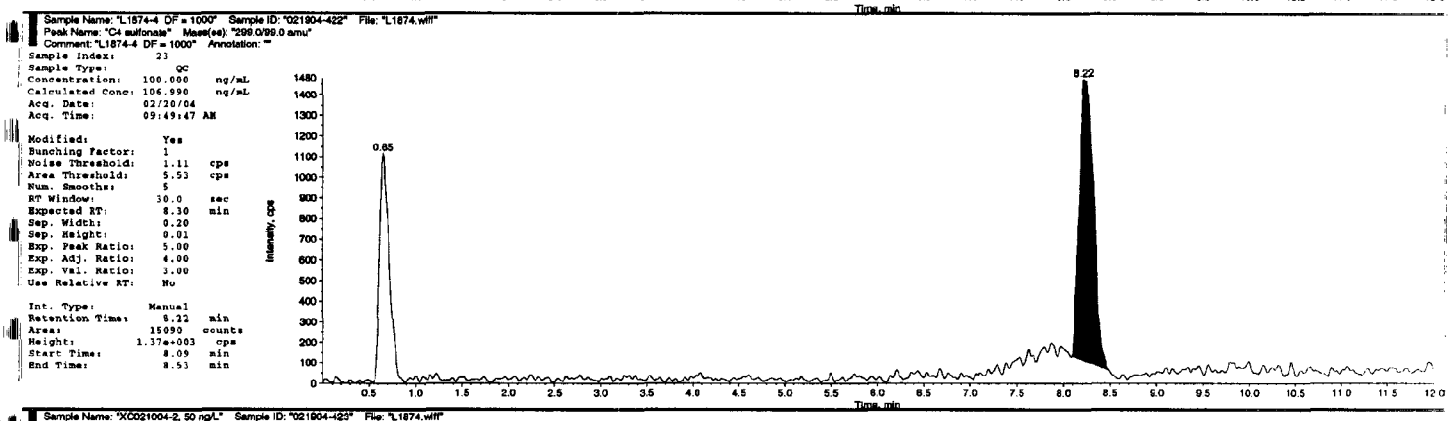


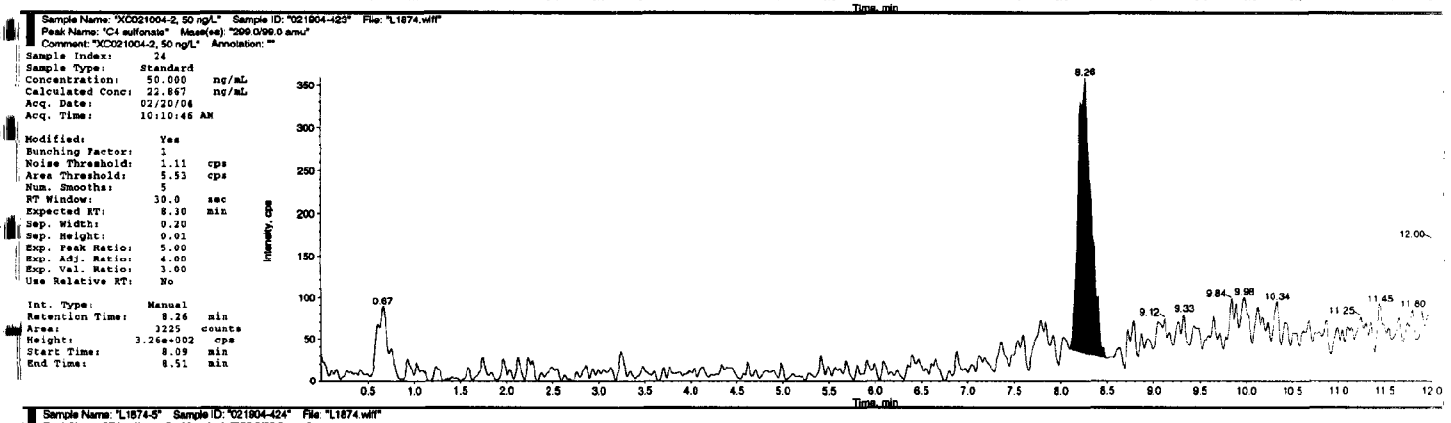
Sample Name: "L1874-2" Sample ID: "021904-420" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-2" Annotation: ""

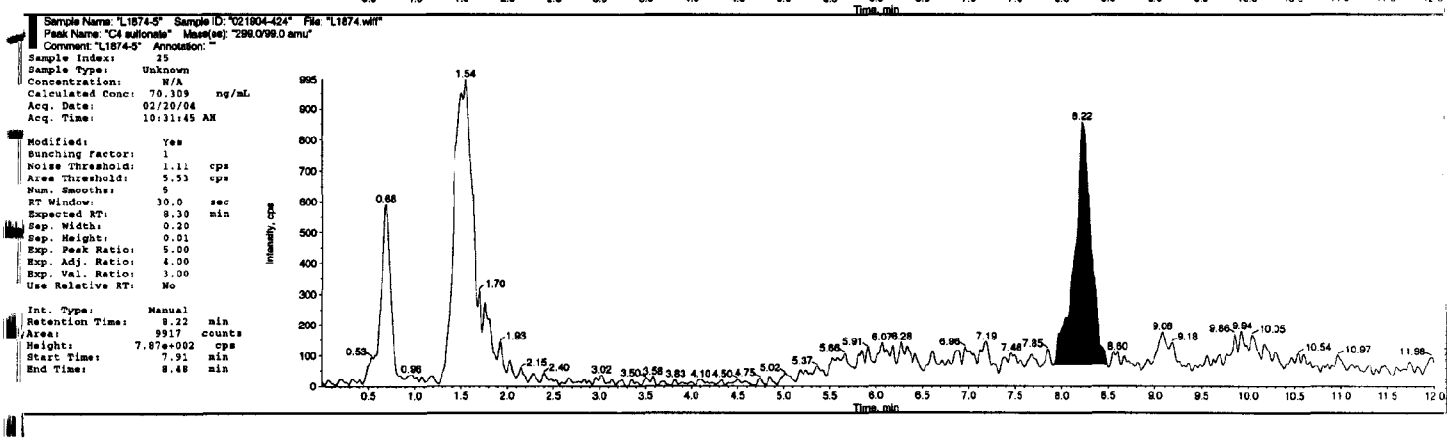
Sample Index:	21
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	53051.570 ng/mL
Acq. Date:	02/20/04
Acq. Time:	09:07:45 AM
Modified:	No
Bunching Factor:	1
Noise Threshold:	1.11 cps
Area Threshold:	5.53 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.30 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Exponential Skim
Retention Time:	8.24 min
Area:	7482677 counts
Height:	6.00e+005 cps
Start Time:	7.69 min
End Time:	8.58 min




Sample Name: "L1874-3 DF = 100" Sample ID: "021904-421" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-3 DF = 100" Annotation: ""
Sample Index: 22
Sample Type: QC
Concentration: 100.000 ng/mL
Calculated Conc: 414.372 ng/mL
Acq. Date: 02/20/04
Acq. Time: 09:28:48 AM
Modified: No
Bunching Factor: 1
Noise Threshold: 1.11 cps
Area Threshold: 5.53 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 8.30 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Exponential Skim
Retention Time: 8.26 min
Area: 58445 counts
Height: 5.79e+003 cps
Start Time: 8.06 min
End Time: 8.54 min
Intensity, cps
Time, min

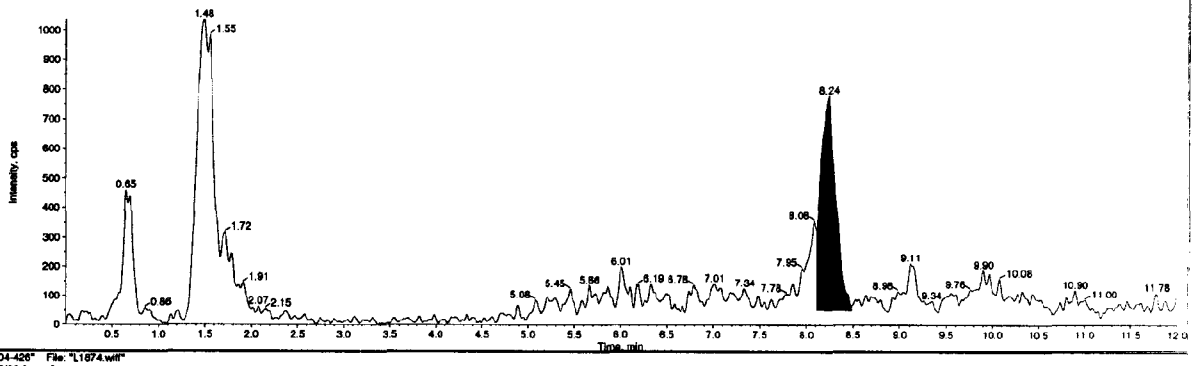

Sample Name: "L1874-4 DF = 1000" Sample ID: "021904-422" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-4 DF = 1000" Annotation: ""
Sample Index: 23
Sample Type: QC
Concentration: 100.000 ng/mL
Calculated Conc: 106.990 ng/mL
Acq. Date: 02/20/04
Acq. Time: 09:49:47 AM
Modified: Yes
Bunching Factor: 1
Noise Threshold: 1.11 cps
Area Threshold: 5.53 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 8.30 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Manual
Retention Time: 8.22 min
Area: 15090 counts
Height: 1.37e+003 cps
Start Time: 8.09 min
End Time: 8.53 min
0.85
8.22
Intensity, cps
Time, min


Sample Name: "XC021004-2, 50 ng/L" Sample ID: "021904-423" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "XC021004-2, 50 ng/L" Annotation: ""
Sample Index: 24
Sample Type: Standard
Concentration: 50.000 ng/mL
Calculated Conc: 22.867 ng/mL
Acq. Date: 02/20/04
Acq. Time: 10:10:46 AM
Modified: Yes
Bunching Factor: 1
Noise Threshold: 1.11 cps
Area Threshold: 5.53 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 8.30 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Manual
Retention Time: 8.26 min
Area: 1225 counts
Height: 3.26e+002 cps
Start Time: 8.09 min
End Time: 8.51 min
0.67
8.26
12.00
Intensity, cps
Time, min


Sample Name: "L1874-5" Sample ID: "021904-424" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-5" Annotation: ""
Sample Index: 25
Sample Type: Unknown
Concentration: N/A
Calculated Conc: 70.309 ng/mL
Acq. Date: 02/20/04
Acq. Time: 10:31:45 AM
Modified: Yes
Bunching Factor: 1
Noise Threshold: 1.11 cps
Area Threshold: 5.53 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 8.30 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Manual
Retention Time: 8.22 min
Area: 9917 counts
Height: 7.87e+002 cps
Start Time: 7.91 min
End Time: 8.48 min
0.66
1.54
1.70
8.22
Intensity, cps
Time, min

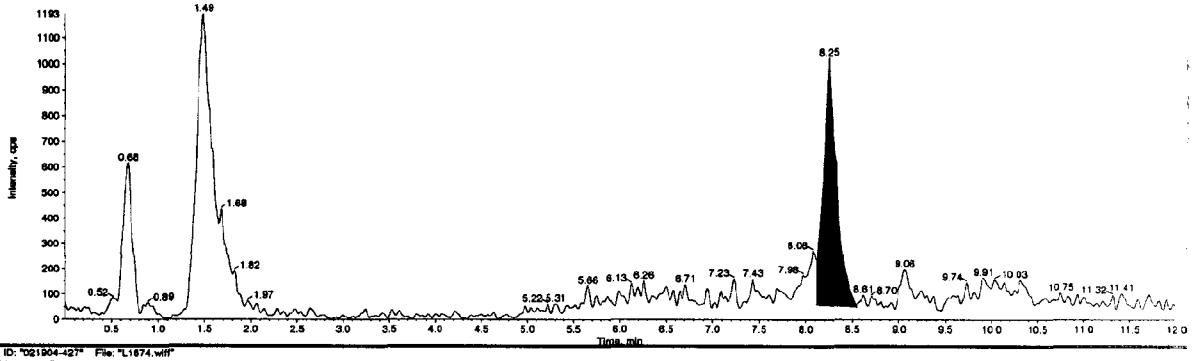
Sample Name: "L1874-5 Rep" Sample ID: "021904-425" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-5 Rep" Annotation: ""

Sample Index:	26	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	58.789	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	10:52:45 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	1.11	cps
Area Threshold:	5.53	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.30	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Valley	
Retention Time:	8.24	min
Area:	8292	counts
Height:	7.30e+002	cps
Start Time:	8.11	min
End Time:	8.48	min



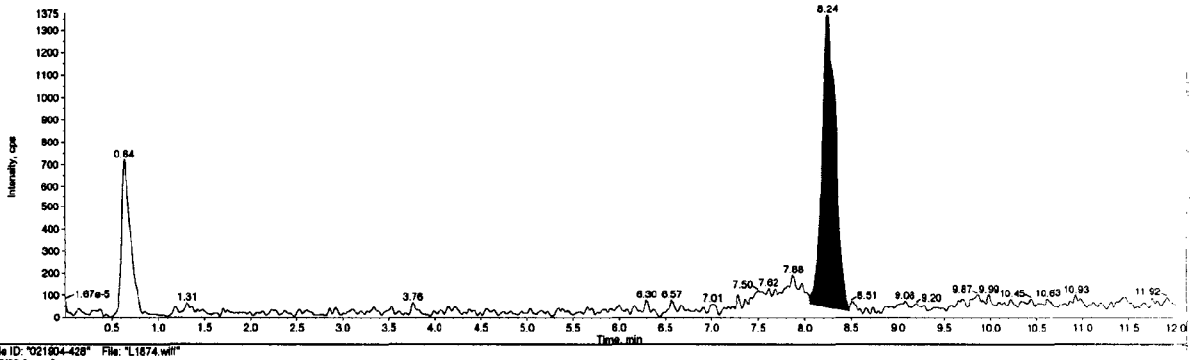
Sample Name: "L1874-6" Sample ID: "021904-426" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-6" Annotation: ""

Sample Index:	27	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	69.316	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	11:13:46 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	1.11	cps
Area Threshold:	5.53	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.30	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Valley	
Retention Time:	8.25	min
Area:	9776	counts
Height:	9.70e+002	cps
Start Time:	8.12	min
End Time:	8.54	min



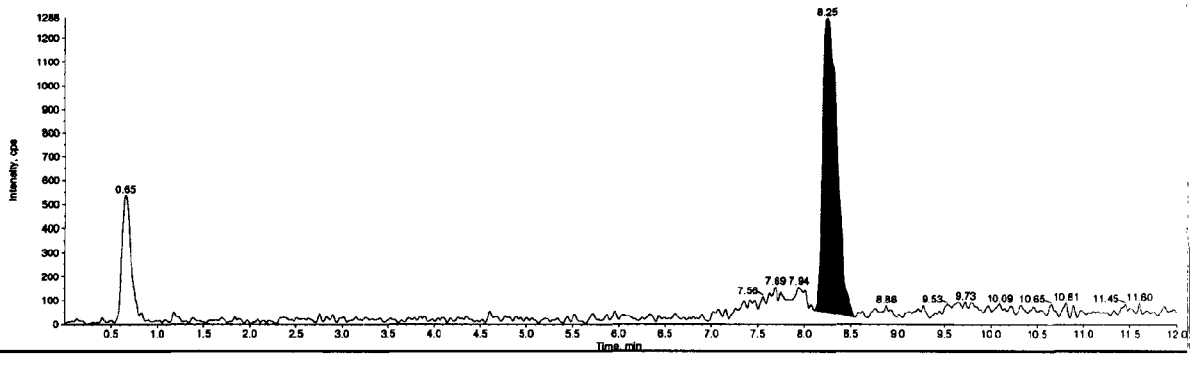
Sample Name: "L1874-7 DF = 100" Sample ID: "021904-427" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-7 DF = 100" Annotation: ""

Sample Index:	28	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	98.821	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	11:34:47 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	1.11	cps
Area Threshold:	5.53	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.30	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Valley	
Retention Time:	8.24	min
Area:	11938	counts
Height:	1.33e+003	cps
Start Time:	8.05	min
End Time:	8.47	min



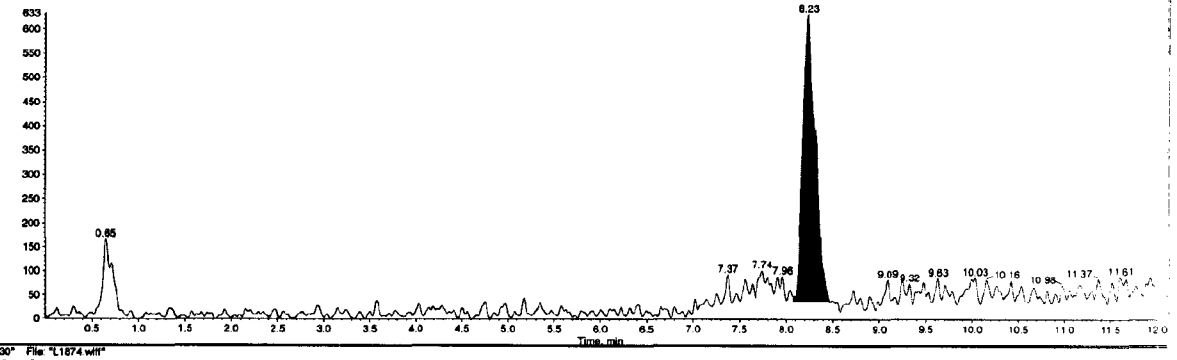
Sample Name: "L1874-8 DF = 1000" Sample ID: "021904-428" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-8 DF = 1000" Annotation: ""

Sample Index:	29	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	96.876	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	11:55:47 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	1.11	cps
Area Threshold:	5.53	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.30	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Base To Base	
Retention Time:	8.25	min
Area:	13664	counts
Height:	1.24e+003	cps
Start Time:	8.10	min
End Time:	8.54	min



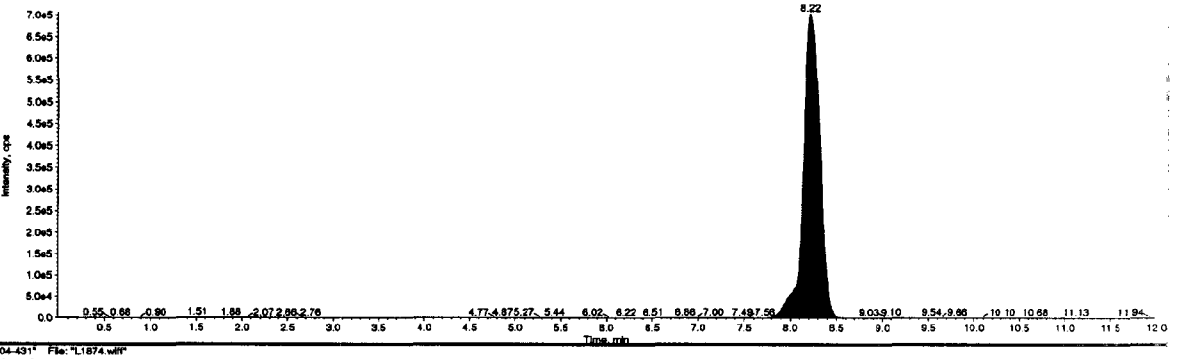
Sample Name: "XC021004-3, 100 ng/L" Sample ID: "021904-429" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "XC021004-3, 100 ng/L" Annotation: ""

Sample Index:	30
Sample Type:	Standard
Concentration:	100.000 ng/mL
Calculated Conc:	40.362 ng/mL
Acq. Date:	02/20/04
Acq. Time:	12:16:46 PM
Modified:	No
Bunching Factor:	1
Noise Threshold:	1.11 cps
Area Threshold:	5.53 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.30 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Valley
Retention Time:	8.23 min
Area:	5693 counts
Height:	5.96e+002 cps
Start Time:	8.07 min
End Time:	8.48 min



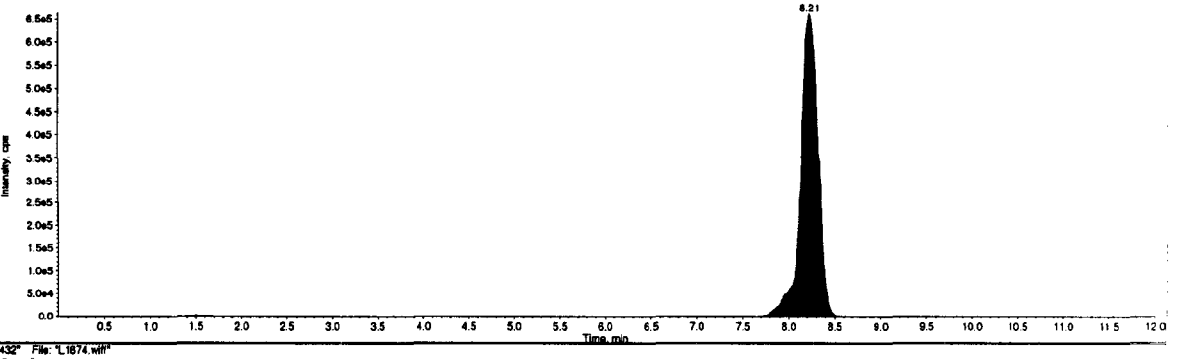
Sample Name: "L1874-9" Sample ID: "021904-430" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-9" Annotation: ""

Sample Index:	31
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	64658.426 ng/mL
Acq. Date:	02/20/04
Acq. Time:	12:37:45 PM
Modified:	No
Bunching Factor:	1
Noise Threshold:	1.11 cps
Area Threshold:	5.53 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.30 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Exponential Skim
Retention Time:	8.22 min
Area:	9119770 counts
Height:	7.06e+005 cps
Start Time:	7.61 min
End Time:	8.57 min



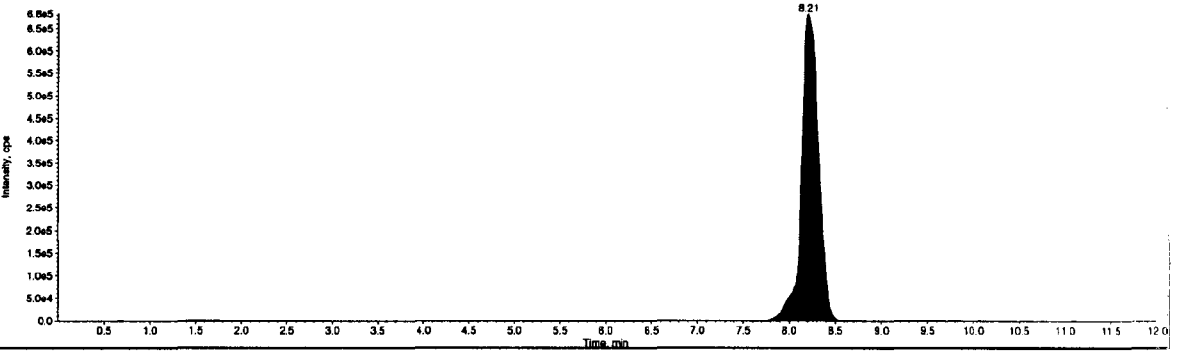
Sample Name: "L1874-9 Rep" Sample ID: "021904-431" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-9 Rep" Annotation: ""

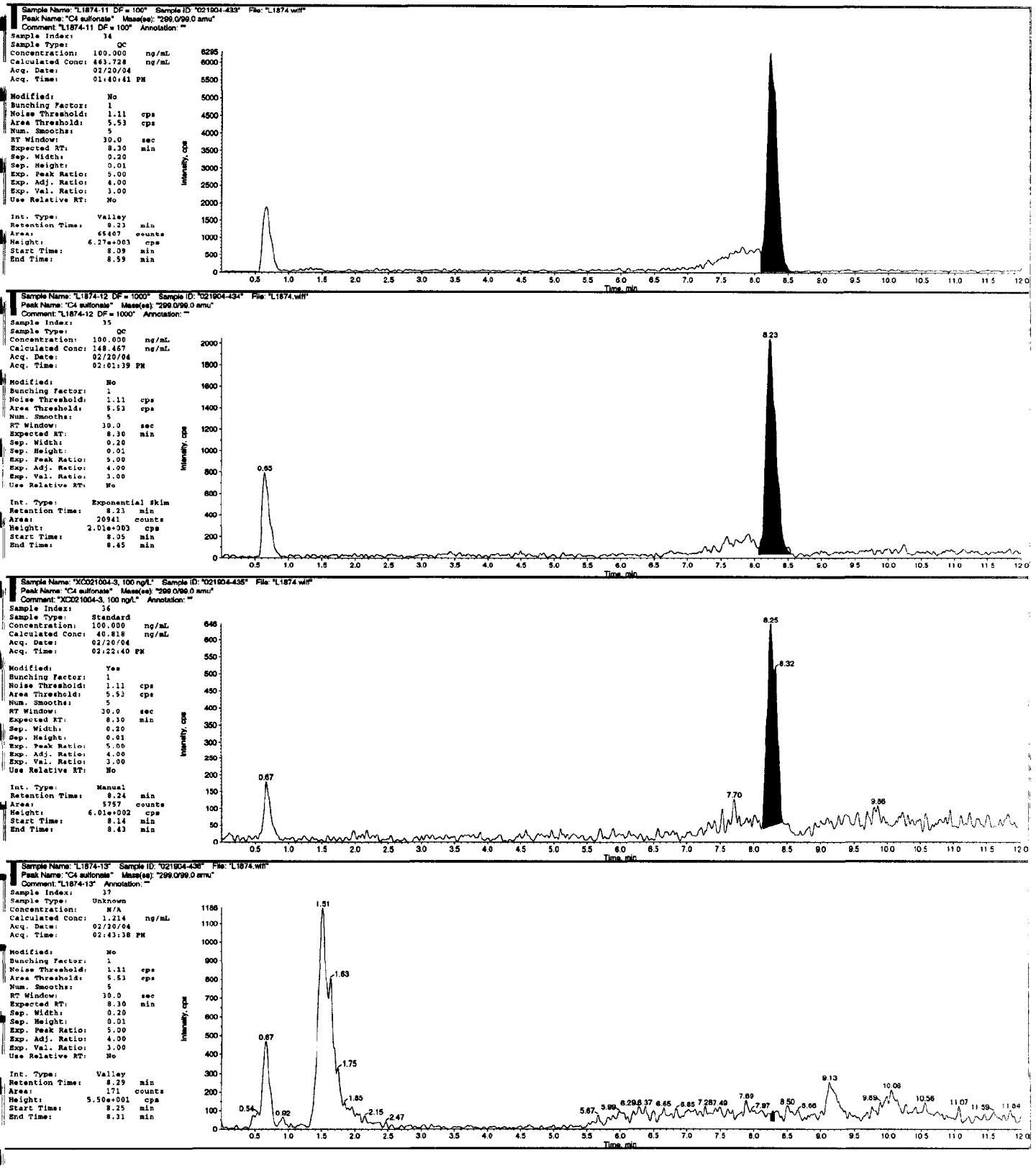
Sample Index:	32
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	63318.514 ng/mL
Acq. Date:	02/20/04
Acq. Time:	12:58:44 PM
Modified:	No
Bunching Factor:	1
Noise Threshold:	1.11 cps
Area Threshold:	5.53 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.30 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Exponential Skim
Retention Time:	8.21 min
Area:	8930782 counts
Height:	6.62e+005 cps
Start Time:	7.64 min
End Time:	8.55 min

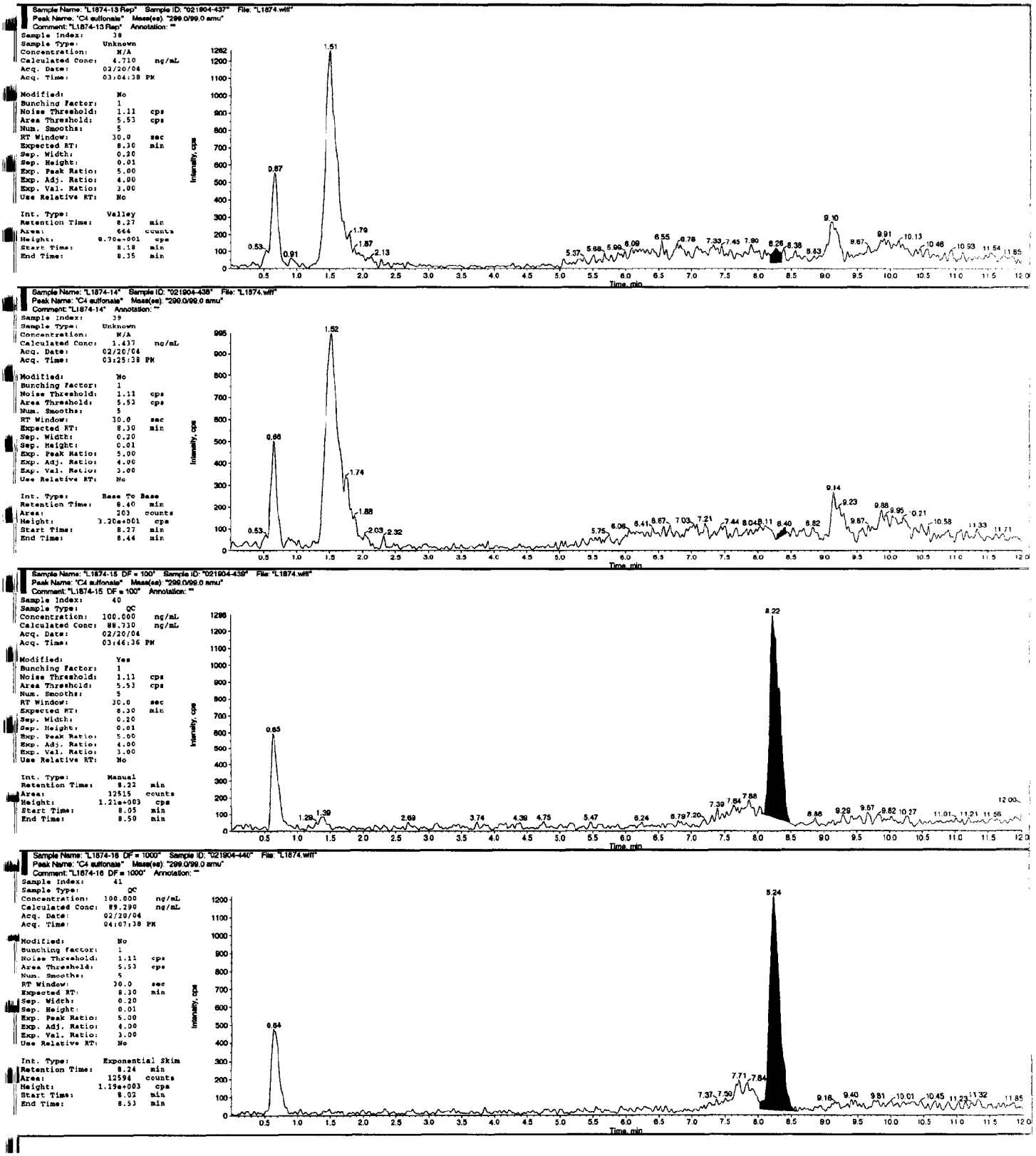


Sample Name: "L1874-10" Sample ID: "021904-432" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-10" Annotation: ""

Sample Index:	33
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	63822.070 ng/mL
Acq. Date:	02/20/04
Acq. Time:	01:19:42 PM
Modified:	No
Bunching Factor:	1
Noise Threshold:	1.11 cps
Area Threshold:	5.53 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.30 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Exponential Skim
Retention Time:	8.21 min
Area:	9001806 counts
Height:	6.83e+005 cps
Start Time:	7.65 min
End Time:	8.60 min

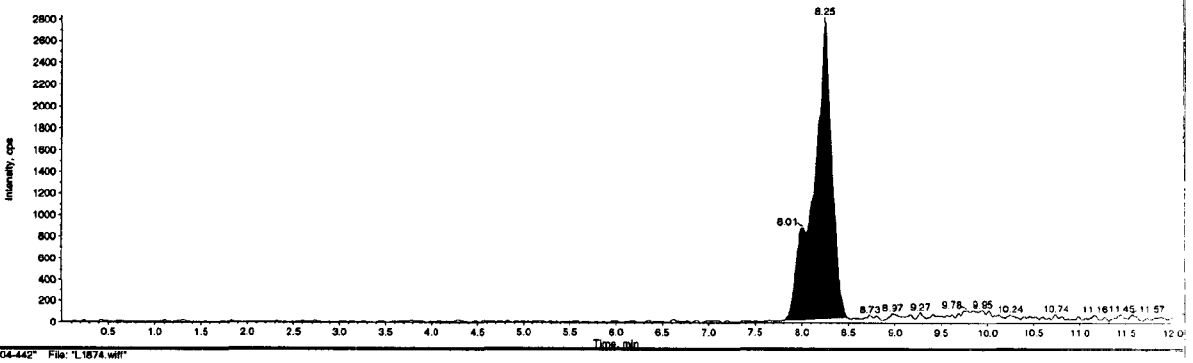



Sample Name: "L1874-11 DF = 100" Sample ID: "021904-433" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-11 DF = 100" Annotation: ""
Sample Index: 34
Sample Type: QC
Concentration: 100.000 ng/mL
Calculated Conc: 463.728 ng/mL
Acq. Date: 02/20/04
Acq. Time: 01:40:41 PM
Modified: No
Bunching Factor: 1
Noise Threshold: 1.11 cps
Area Threshold: 5.53 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 8.30 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Valley
Retention Time: 8.23 min
Area: 65407 counts
Height: 6.27e+003 cps
Start Time: 8.09 min
End Time: 8.59 min
8.23
Intensity, cps
Time, min
Sample Name: "L1874-12 DF = 1000" Sample ID: "021904-434" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-12 DF = 1000" Annotation: ""
Sample Index: 35
Sample Type: QC
Concentration: 100.000 ng/mL
Calculated Conc: 148.467 ng/mL
Acq. Date: 02/20/04
Acq. Time: 02:01:39 PM
Modified: No
Bunching Factor: 1
Noise Threshold: 1.11 cps
Area Threshold: 5.53 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 8.30 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Exponential Skim
Retention Time: 8.23 min
Area: 20941 counts
Height: 2.01e+003 cps
Start Time: 8.05 min
End Time: 8.45 min
8.23
0.65
Intensity, cps
Time, min
Sample Name: "XC021004-3, 100 ng/L" Sample ID: "021904-435" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "XC021004-3, 100 ng/L" Annotation: ""
Sample Index: 36
Sample Type: Standard
Concentration: 100.000 ng/mL
Calculated Conc: 40.818 ng/mL
Acq. Date: 02/20/04
Acq. Time: 02:22:40 PM
Modified: Yes
Bunching Factor: 1
Noise Threshold: 1.11 cps
Area Threshold: 5.53 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 8.30 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Manual
Retention Time: 8.24 min
Area: 5757 counts
Height: 6.01e+002 cps
Start Time: 8.14 min
End Time: 8.43 min
8.25
8.32
0.67
7.70
9.86
Intensity, cps
Time, min
Sample Name: "L1874-13" Sample ID: "021904-436" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-13" Annotation: ""
Sample Index: 37
Sample Type: Unknown
Concentration: N/A
Calculated Conc: 1.214 ng/mL
Acq. Date: 02/20/04
Acq. Time: 02:43:38 PM
Modified: No
Bunching Factor: 1
Noise Threshold: 1.11 cps
Area Threshold: 5.53 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 8.30 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Valley
Retention Time: 8.29 min
Area: 171 counts
Height: 5.50e+001 cps
Start Time: 8.25 min
End Time: 8.31 min
1.51
1.63
0.67
1.75
1.85
0.54
0.92
2.15
2.47
9.13
10.06
Intensity, cps
Time, min


Sample Name: "L1874-13 Rep" Sample ID: "021904-437" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-13 Rep" Annotation: ""
Sample Index: 38
Sample Type: Unknown
Concentration: N/A
Calculated Conc: 4.710 ng/mL
Acq. Date: 02/20/04
Acq. Time: 03:04:38 PM
Modified: No
Bunching Factor: 1
Noise Threshold: 1.11 cps
Area Threshold: 5.53 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 8.30 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Valley
Retention Time: 8.27 min
Area: 664 counts
Height: 9.70e+001 cps
Start Time: 8.18 min
End Time: 8.35 min
Intensity, cps
Time, min
Sample Name: "L1874-14" Sample ID: "021904-438" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-14" Annotation: ""
Sample Index: 39
Sample Type: Unknown
Concentration: N/A
Calculated Conc: 1.437 ng/mL
Acq. Date: 02/20/04
Acq. Time: 03:25:38 PM
Modified: No
Bunching Factor: 1
Noise Threshold: 1.11 cps
Area Threshold: 5.53 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 8.30 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Base To Base
Retention Time: 8.40 min
Area: 203 counts
Height: 3.20e+001 cps
Start Time: 8.27 min
End Time: 8.44 min
Intensity, cps
Time, min
Sample Name: "L1874-15 DF = 100" Sample ID: "021904-439" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-15 DF = 100" Annotation: ""
Sample Index: 40
Sample Type: QC
Concentration: 100.000 ng/mL
Calculated Conc: 98.730 ng/mL
Acq. Date: 02/20/04
Acq. Time: 03:46:36 PM
Modified: Yes
Bunching Factor: 1
Noise Threshold: 1.11 cps
Area Threshold: 5.53 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 8.30 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Manual
Retention Time: 8.22 min
Area: 12515 counts
Height: 1.21e+003 cps
Start Time: 8.05 min
End Time: 8.50 min
Intensity, cps
Time, min
Sample Name: "L1874-16 DF = 1000" Sample ID: "021904-440" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-16 DF = 1000" Annotation: ""
Sample Index: 41
Sample Type: QC
Concentration: 100.000 ng/mL
Calculated Conc: 89.290 ng/mL
Acq. Date: 02/20/04
Acq. Time: 04:07:38 PM
Modified: No
Bunching Factor: 1
Noise Threshold: 1.11 cps
Area Threshold: 5.53 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 8.30 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Exponential Skim
Retention Time: 8.24 min
Area: 12594 counts
Height: 1.19e+003 cps
Start Time: 8.02 min
End Time: 8.53 min
Intensity, cps
Time, min

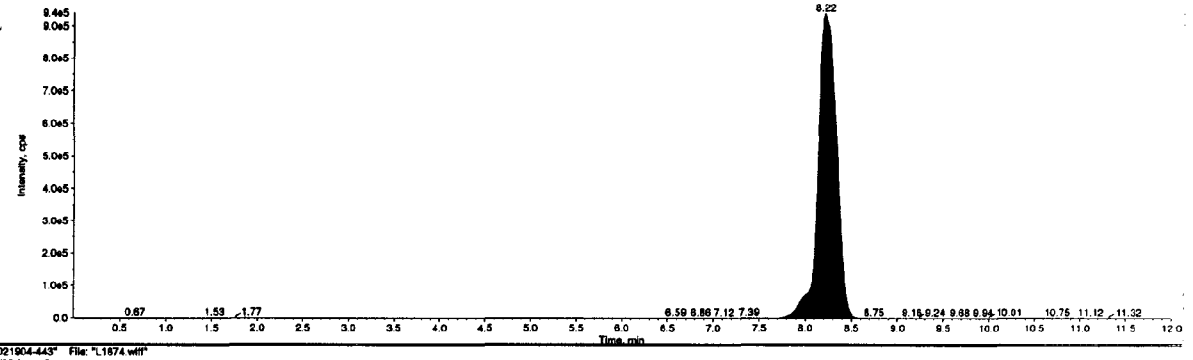
Sample Name: "XC021004-3, 250 ng/L" Sample ID: "021904-441" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "XC021004-3, 250 ng/L" Annotation: ""

Sample Index:	42
Sample Type:	Standard
Concentration:	250.000 ng/mL
Calculated Conc:	276.473 ng/mL
Acq. Date:	02/20/04
Acq. Time:	04:28:37 PM
Modified:	Yes
Bunching Factor:	1
Noise Threshold:	1.11 cps
Area Threshold:	5.53 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.30 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Manual
Retention Time:	8.25 min
Area:	38995 counts
Height:	2.79e+003 cps
Start Time:	7.75 min
End Time:	8.48 min



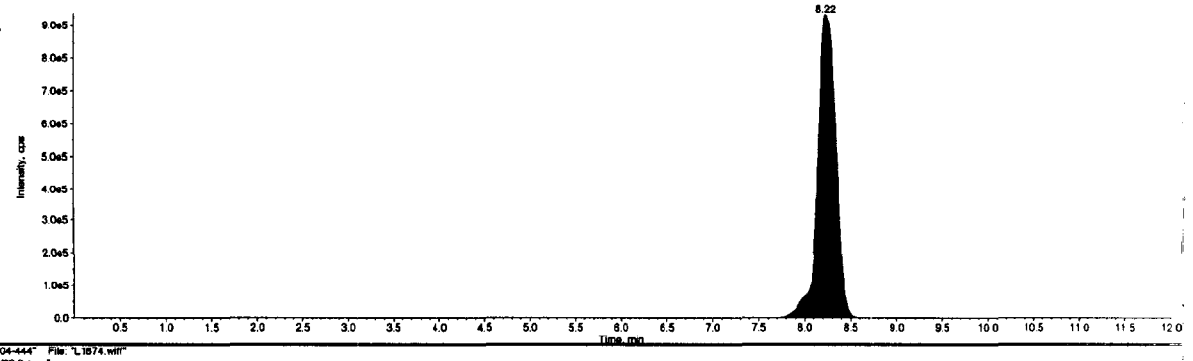
Sample Name: "L1874-17" Sample ID: "021904-442" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-17" Annotation: ""

Sample Index:	43
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	95159.739 ng/mL
Acq. Date:	02/20/04
Acq. Time:	04:49:36 PM
Modified:	No
Bunching Factor:	1
Noise Threshold:	1.11 cps
Area Threshold:	5.53 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.30 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Exponential Skim
Retention Time:	8.22 min
Area:	13421839 counts
Height:	9.41e+005 cps
Start Time:	7.60 min
End Time:	8.57 min



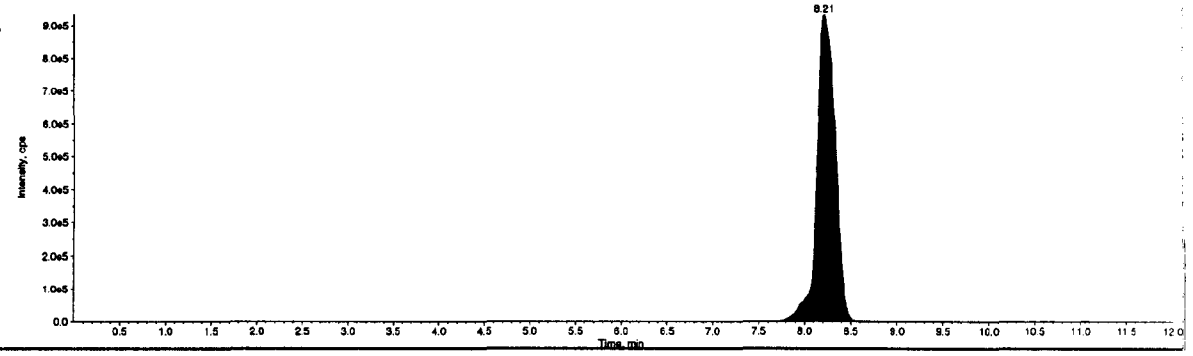
Sample Name: "L1874-17 Rep" Sample ID: "021904-443" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-17 Rep" Annotation: ""

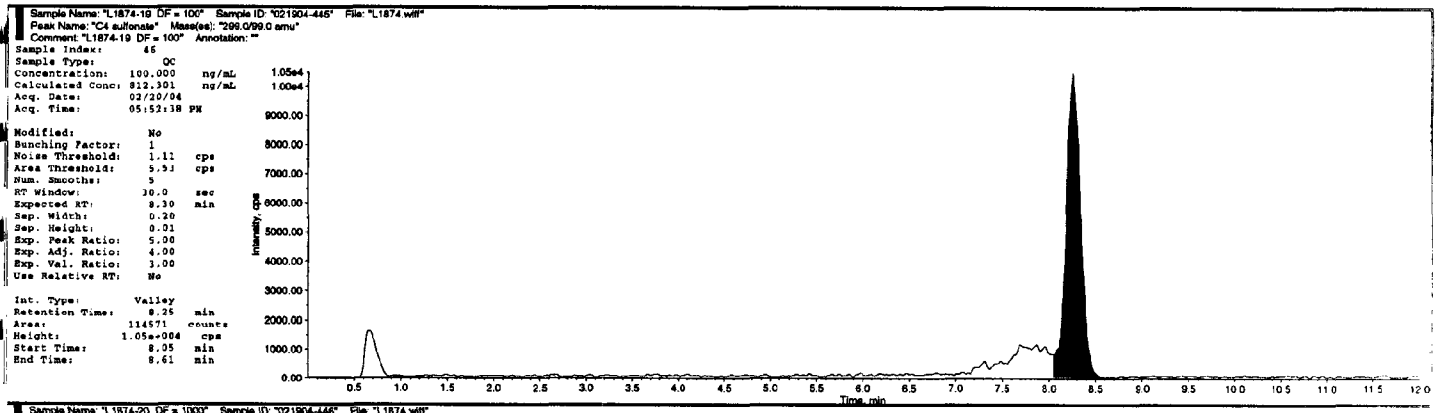
Sample Index:	44
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	93579.457 ng/mL
Acq. Date:	02/20/04
Acq. Time:	05:10:34 PM
Modified:	No
Bunching Factor:	1
Noise Threshold:	1.11 cps
Area Threshold:	5.53 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.30 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Exponential Skim
Retention Time:	8.22 min
Area:	13198847 counts
Height:	9.33e+005 cps
Start Time:	7.59 min
End Time:	8.57 min

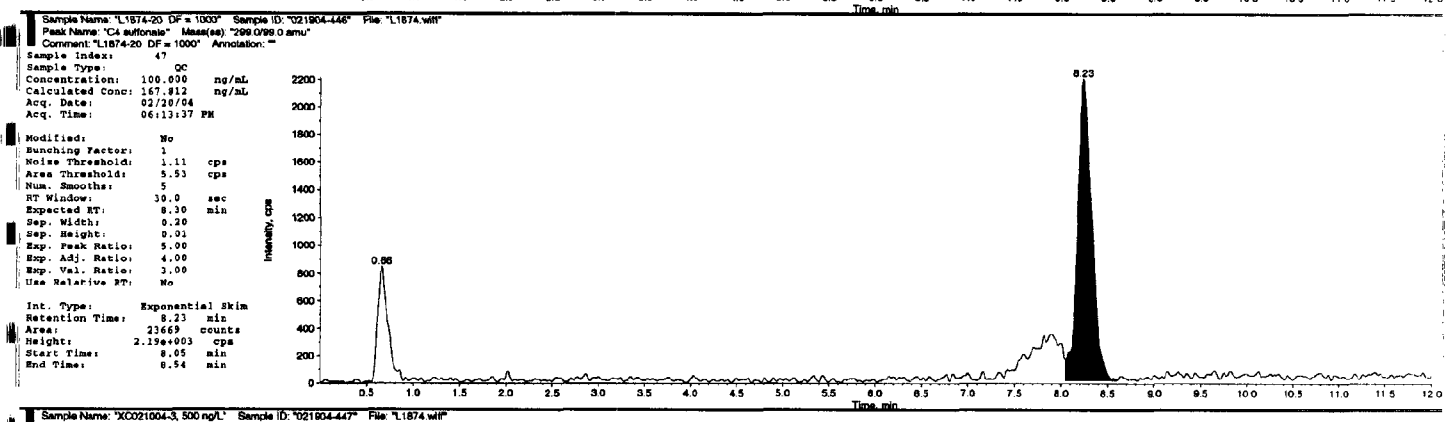


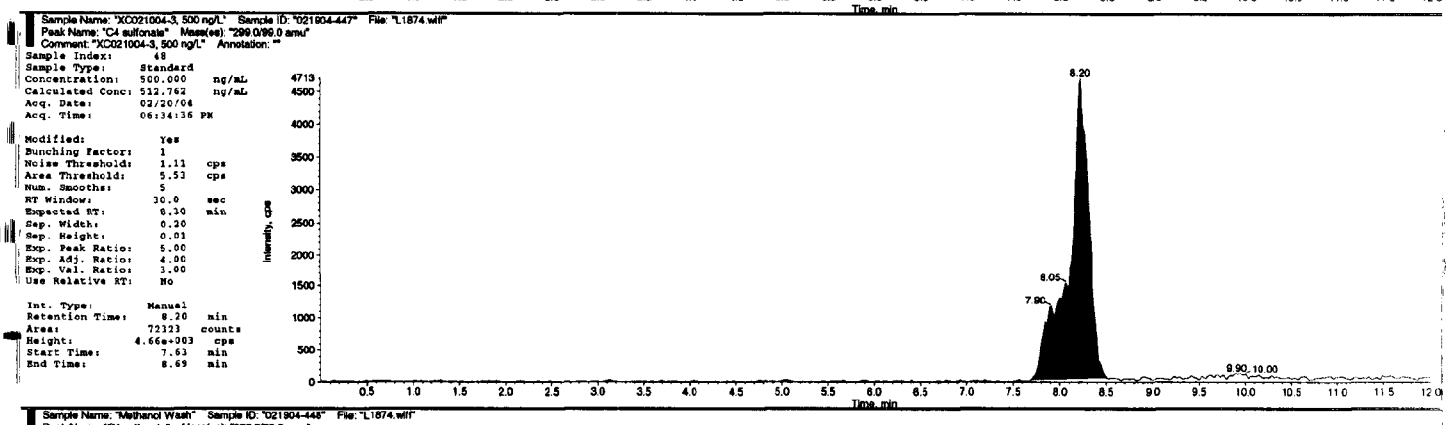
Sample Name: "L1874-18" Sample ID: "021904-444" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-18" Annotation: ""

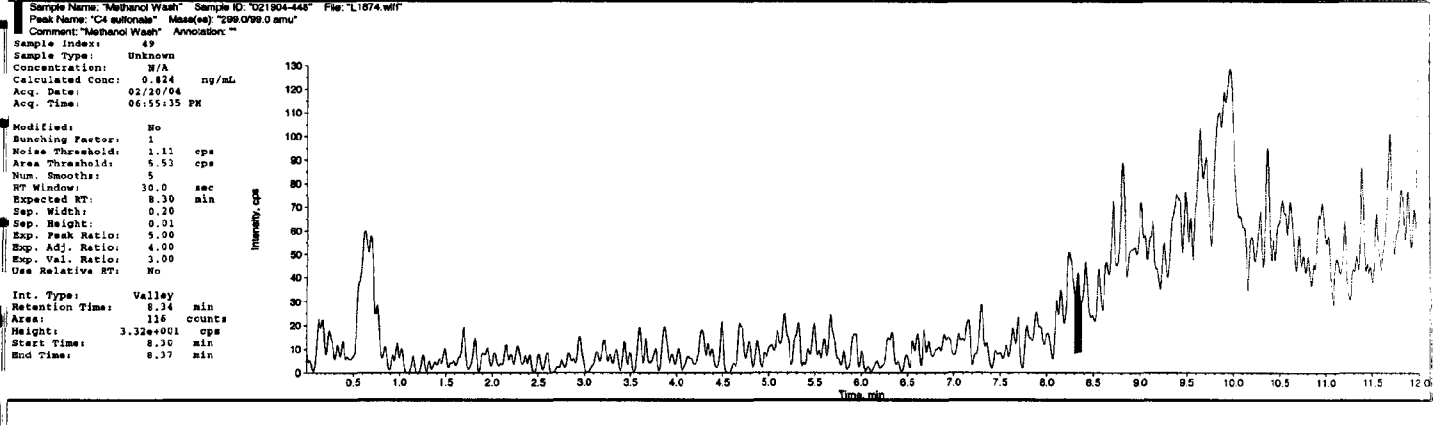
Sample Index:	45
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	93982.876 ng/mL
Acq. Date:	02/20/04
Acq. Time:	05:31:36 PM
Modified:	No
Bunching Factor:	1
Noise Threshold:	1.11 cps
Area Threshold:	5.53 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.30 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Exponential Skim
Retention Time:	8.22 min
Area:	13255847 counts
Height:	9.37e+005 cps
Start Time:	7.60 min
End Time:	8.59 min




Sample Name: "L1874-19 DF = 100" Sample ID: "021904-445" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-19 DF = 100" Annotation: ""
Sample Index: 45
Sample Type: QC
Concentration: 100.000 ng/mL
Calculated Conc: 812.301 ng/mL
Acq. Date: 02/20/04
Acq. Time: 05:52:38 PM
Modified: No
Bunching Factor: 1
Noise Threshold: 1.11 cps
Area Threshold: 5.53 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 8.30 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Valley
Retention Time: 8.25 min
Area: 114571 counts
Height: 1.05e+004 cps
Start Time: 8.05 min
End Time: 8.61 min
Intensity, cps
Time, min

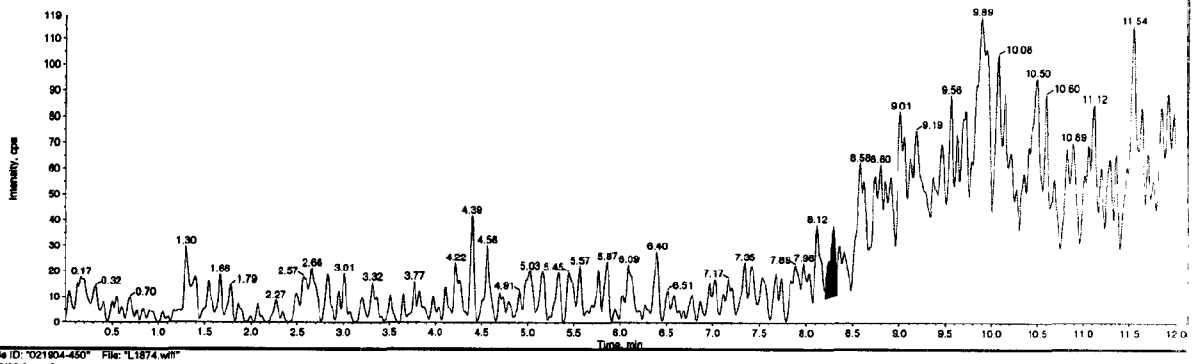

Sample Name: "L1874-20 DF = 1000" Sample ID: "021904-446" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-20 DF = 1000" Annotation: ""
Sample Index: 47
Sample Type: QC
Concentration: 100.000 ng/mL
Calculated Conc: 167.812 ng/mL
Acq. Date: 02/20/04
Acq. Time: 06:13:37 PM
Modified: No
Bunching Factor: 1
Noise Threshold: 1.11 cps
Area Threshold: 5.53 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 8.30 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Exponential Skim
Retention Time: 8.23 min
Area: 23669 counts
Height: 2.19e+003 cps
Start Time: 8.05 min
End Time: 8.54 min
8.23
0.86
Intensity, cps
Time, min


Sample Name: "XC021004-3, 500 ng/L" Sample ID: "021904-447" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "XC021004-3, 500 ng/L" Annotation: ""
Sample Index: 48
Sample Type: Standard
Concentration: 500.000 ng/mL
Calculated Conc: 532.762 ng/mL
Acq. Date: 02/20/04
Acq. Time: 06:34:36 PM
Modified: Yes
Bunching Factor: 1
Noise Threshold: 1.11 cps
Area Threshold: 5.53 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 8.30 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Manual
Retention Time: 8.20 min
Area: 72323 counts
Height: 4.66e+003 cps
Start Time: 7.63 min
End Time: 8.69 min
8.20
8.05
7.90
9.90, 10.00
Intensity, cps
Time, min


Sample Name: "Methanol Wash" Sample ID: "021904-448" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "Methanol Wash" Annotation: ""
Sample Index: 49
Sample Type: Unknown
Concentration: N/A
Calculated Conc: 0.824 ng/mL
Acq. Date: 02/20/04
Acq. Time: 06:55:35 PM
Modified: No
Bunching Factor: 1
Noise Threshold: 1.11 cps
Area Threshold: 5.53 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 8.30 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Valley
Retention Time: 8.34 min
Area: 116 counts
Height: 3.32e+001 cps
Start Time: 8.30 min
End Time: 8.37 min
Intensity, cps
Time, min

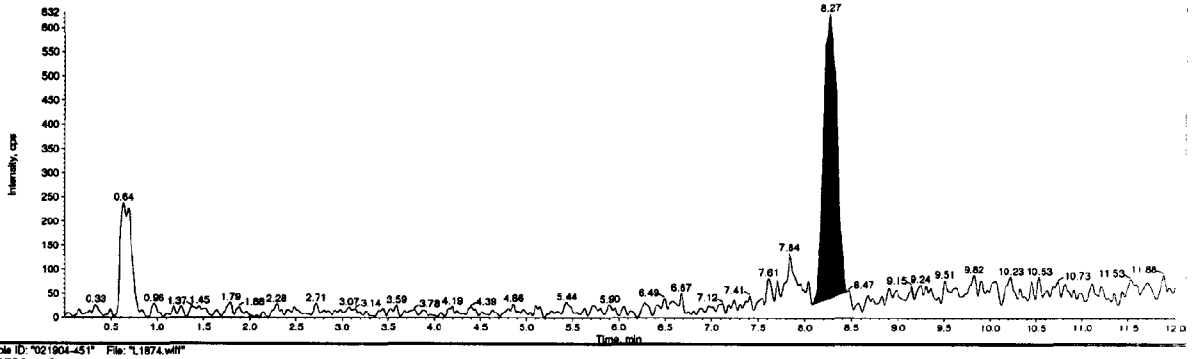
Sample Name: "L1874-21" Sample ID: "021904-449" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-21" Annotation: ""

Sample Index:	50
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	0.833 ng/mL
Acq. Date:	02/20/04
Acq. Time:	07:16:36 PM
Modified:	No
Bunching Factor:	1
Noise Threshold:	1.11 cps
Area Threshold:	5.53 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.30 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Valley
Retention Time:	8.29 min
Area:	118 counts
Height:	2.72e+001 cps
Start Time:	8.20 min
End Time:	8.33 min



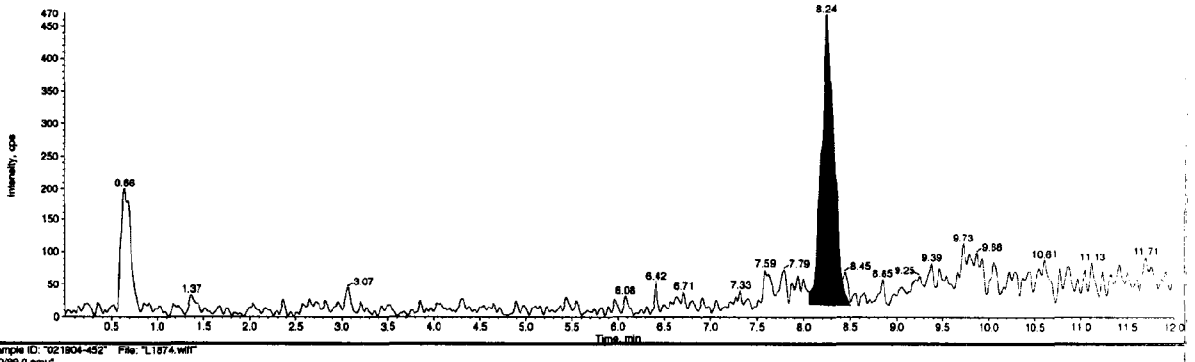
Sample Name: "L1874-22 DF = 100" Sample ID: "021904-450" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-22 DF = 100" Annotation: ""

Sample Index:	51
Sample Type:	QC
Concentration:	100.000 ng/mL
Calculated Conc:	42.370 ng/mL
Acq. Date:	02/20/04
Acq. Time:	07:37:39 PM
Modified:	No
Bunching Factor:	1
Noise Threshold:	1.11 cps
Area Threshold:	5.53 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.30 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	8.27 min
Area:	5976 counts
Height:	5.91e+002 cps
Start Time:	8.08 min
End Time:	8.45 min



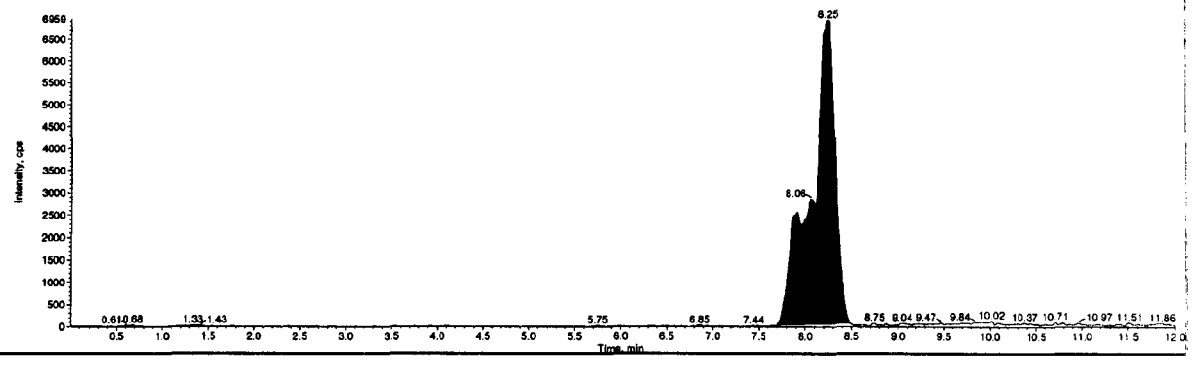
Sample Name: "L1874-23 DF = 1000" Sample ID: "021904-451" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "L1874-23 DF = 1000" Annotation: ""

Sample Index:	52
Sample Type:	QC
Concentration:	100.000 ng/mL
Calculated Conc:	30.777 ng/mL
Acq. Date:	02/20/04
Acq. Time:	07:58:40 PM
Modified:	No
Bunching Factor:	1
Noise Threshold:	1.11 cps
Area Threshold:	5.53 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.30 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Exponential Skim
Retention Time:	8.24 min
Area:	4341 counts
Height:	4.53e+002 cps
Start Time:	8.06 min
End Time:	8.41 min



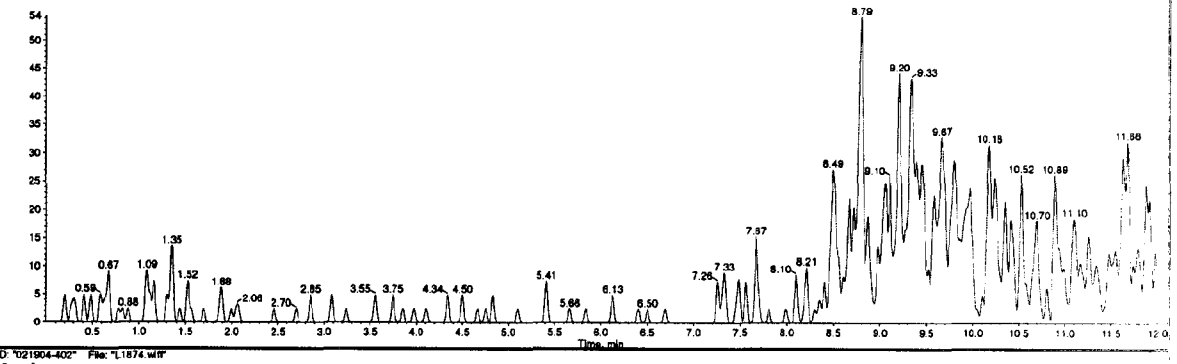
Sample Name: "XC021904-6, 1000 ng/L" Sample ID: "021904-452" File: "L1874.wiff"
Peak Name: "C4 sulfonate" Mass(es): "299.0/99.0 amu"
Comment: "XC021904-6, 1000 ng/L" Annotation: ""

Sample Index:	53
Sample Type:	Standard
Concentration:	1000.000 ng/mL
Calculated Conc:	963.061 ng/mL
Acq. Date:	02/20/04
Acq. Time:	08:19:42 PM
Modified:	Yes
Bunching Factor:	1
Noise Threshold:	1.11 cps
Area Threshold:	5.53 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.30 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Manual
Retention Time:	8.24 min
Area:	127373 counts
Height:	6.90e+003 cps
Start Time:	7.70 min
End Time:	8.53 min



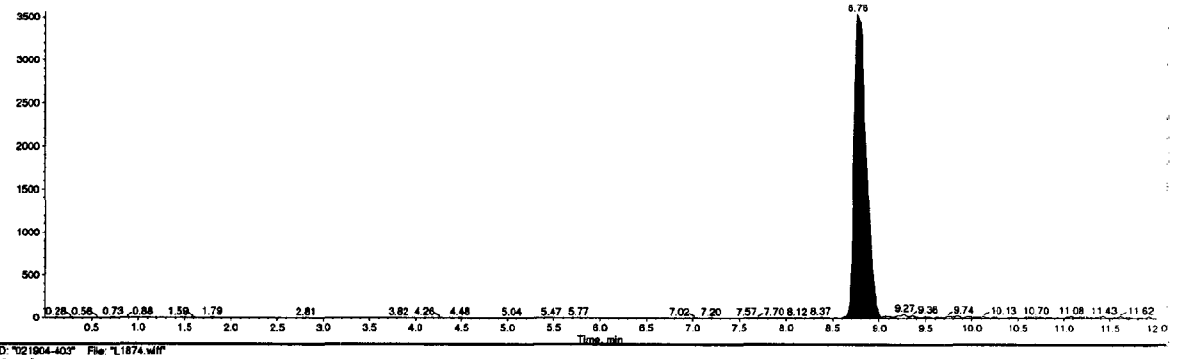
Sample Name: "XC021004-0, 0 ng/L" Sample ID: "021904-401" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "XC021004-0, 0 ng/L" Annotation: ""

Sample Index:	2	
Sample Type:	Standard	
Concentration:	0.000	ng/mL
Calculated Conc:	0.000	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	02:28:54 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	7.49	min
Area:	0	counts
Height:	0.00e+000	cps
Start Time:	7.35	min
End Time:	7.50	min



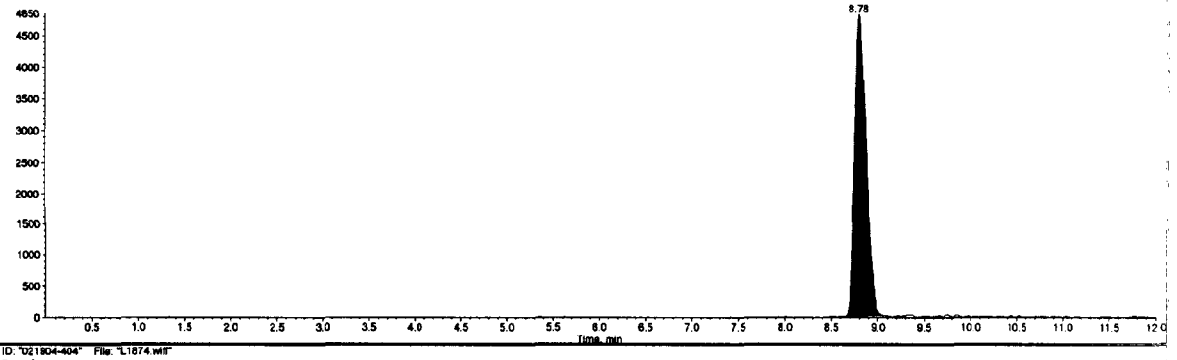
Sample Name: "XC021004-1, 25 ng/L" Sample ID: "021904-402" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "XC021004-1, 25 ng/L" Annotation: ""

Sample Index:	3	
Sample Type:	Standard	
Concentration:	25.000	ng/mL
Calculated Conc:	45.998	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	02:49:55 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.76	min
Area:	32745	counts
Height:	3.55e+003	cps
Start Time:	8.59	min
End Time:	9.03	min



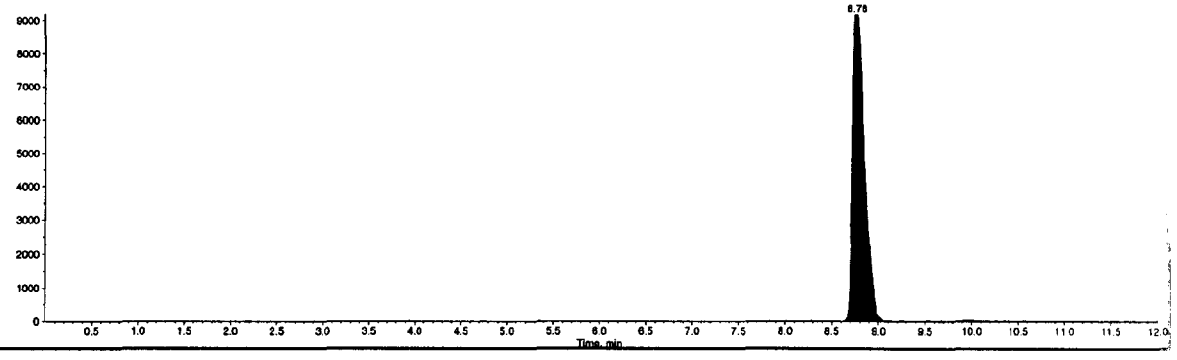
Sample Name: "XC021004-2, 50 ng/L" Sample ID: "021904-403" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "XC021004-2, 50 ng/L" Annotation: ""

Sample Index:	4	
Sample Type:	Standard	
Concentration:	50.000	ng/mL
Calculated Conc:	60.920	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	03:10:52 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.78	min
Area:	43167	counts
Height:	4.83e+003	cps
Start Time:	8.64	min
End Time:	9.09	min



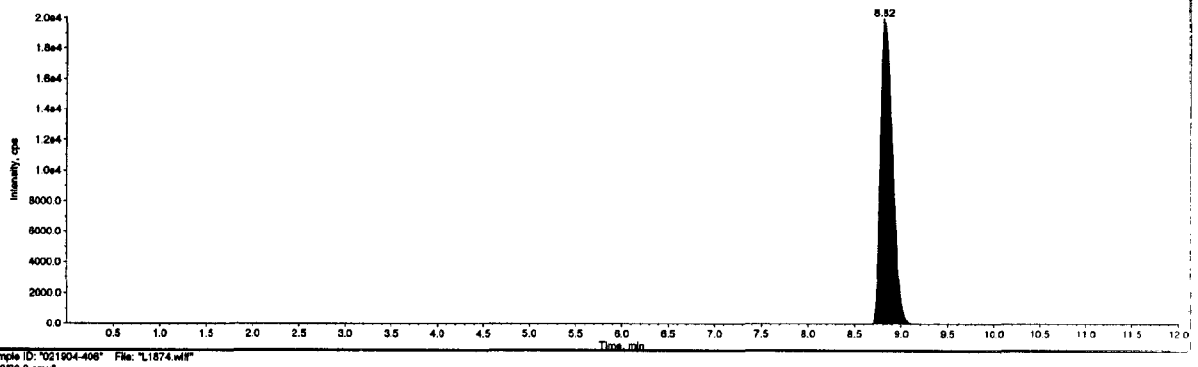
Sample Name: "XC021004-3, 100 ng/L" Sample ID: "021904-404" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "XC021004-3, 100 ng/L" Annotation: ""

Sample Index:	5	
Sample Type:	Standard	
Concentration:	100.000	ng/mL
Calculated Conc:	120.194	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	03:31:51 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Base To Base	
Retention Time:	8.78	min
Area:	85563	counts
Height:	9.19e+003	cps
Start Time:	8.61	min
End Time:	9.08	min



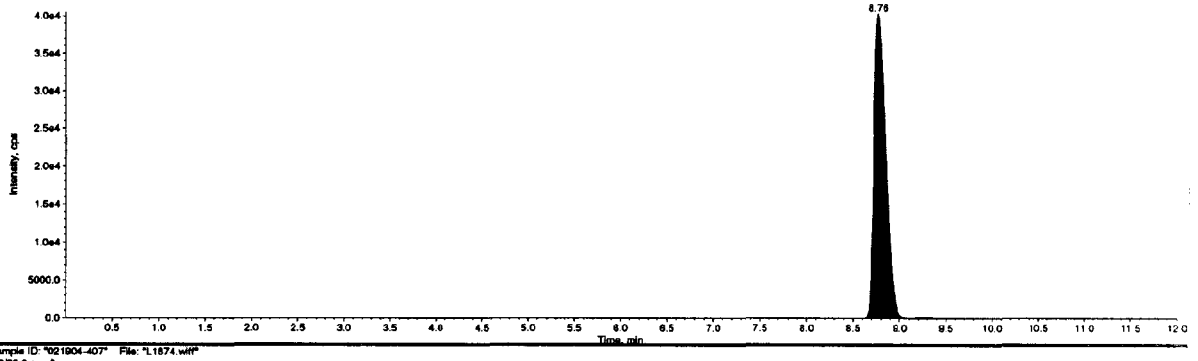
Sample Name: "XC021004-4, 250 ng/L" Sample ID: "021904-405" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "XC021004-4, 250 ng/L" Annotation: ""

Sample Index:	6	
Sample Type:	Standard	
Concentration:	250.000	ng/mL
Calculated Conc:	262.770	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	03:52:48 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.82	min
Area:	187060	counts
Height:	2.00e+004	cps
Start Time:	8.67	min
End Time:	9.11	min



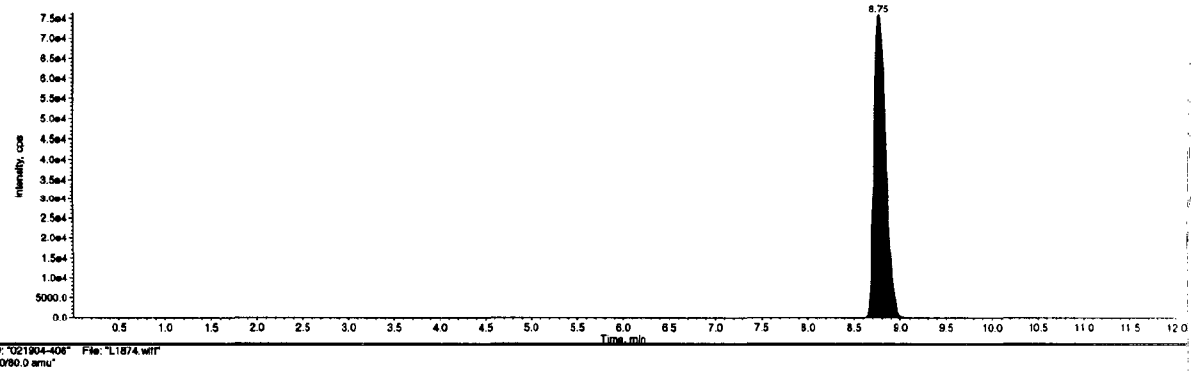
Sample Name: "XC021004-5, 500 ng/L" Sample ID: "021904-406" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "XC021004-5, 500 ng/L" Annotation: ""

Sample Index:	7	
Sample Type:	Standard	
Concentration:	500.000	ng/mL
Calculated Conc:	511.405	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	04:13:49 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.76	min
Area:	364057	counts
Height:	4.05e+004	cps
Start Time:	8.60	min
End Time:	9.09	min



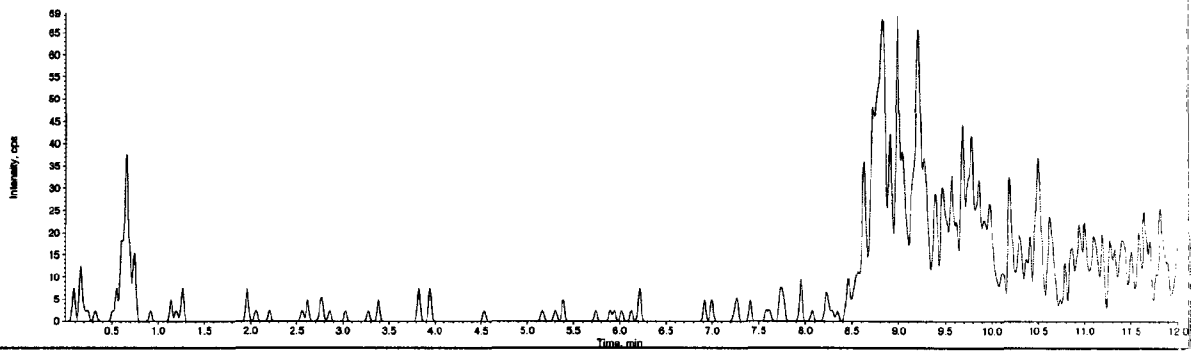
Sample Name: "XC021004-6, 1000 ng/L" Sample ID: "021904-407" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "XC021004-6, 1000 ng/L" Annotation: ""

Sample Index:	8	
Sample Type:	Standard	
Concentration:	1000.000	ng/mL
Calculated Conc:	986.184	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	04:34:48 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.75	min
Area:	702041	counts
Height:	7.62e+004	cps
Start Time:	8.61	min
End Time:	9.09	min



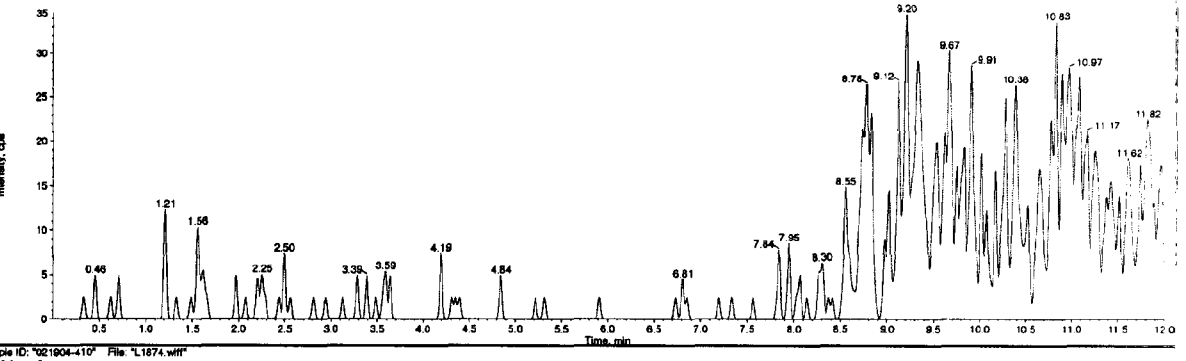
Sample Name: "Methanol Wash" Sample ID: "021904-406" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "Methanol Wash" Annotation: ""

Sample Index:	9	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	0.000	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	04:55:46 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.63	min
Area:	0	counts
Height:	0.00e+000	cps
Start Time:	8.41	min
End Time:	8.68	min



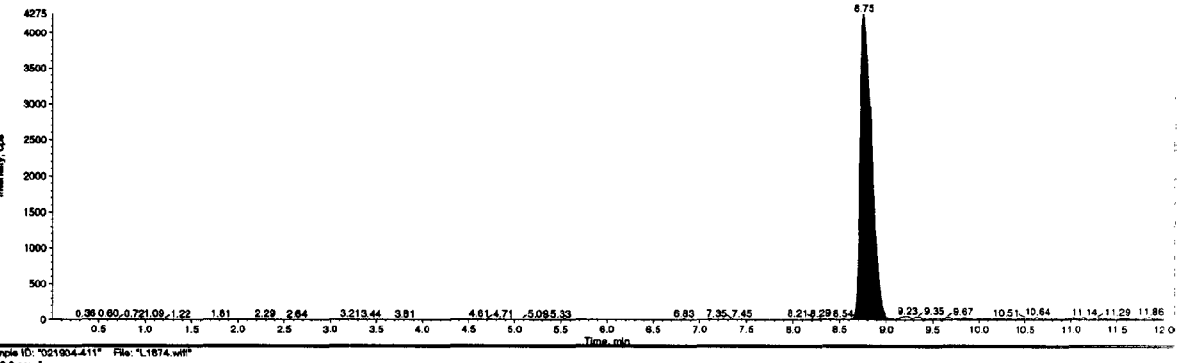
Sample Name: "0106020 Control" Sample ID: "021904-409" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "0106020 Control" Annotation: ""

Sample Index:	10	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	0.000	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	05:16:48 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	No Peak	
Retention Time:	N/A	min
Area:	N/A	counts
Height:	N/A	cps
Start Time:	N/A	min
End Time:	N/A	min



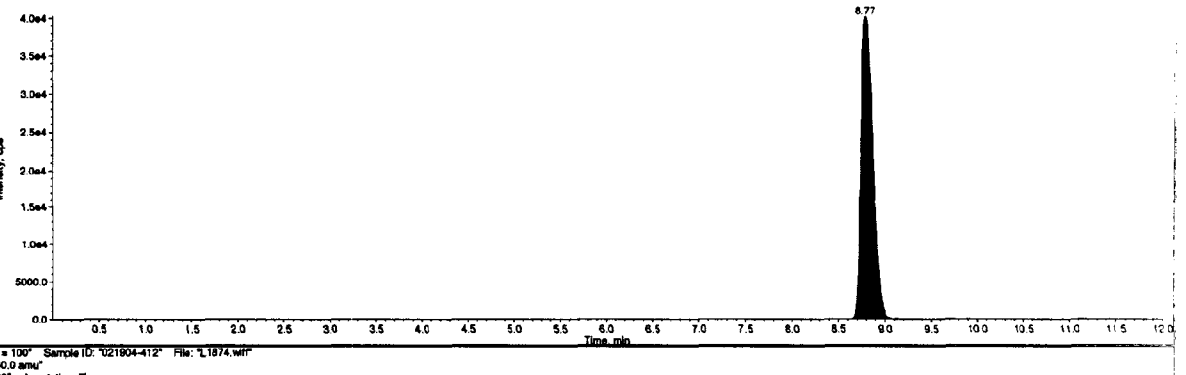
Sample Name: "0106020 Spk A, 50 ng/L" Sample ID: "021904-410" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "0106020 Spk A, 50 ng/L" Annotation: ""

Sample Index:	11	
Sample Type:	QC	
Concentration:	50.000	ng/mL
Calculated Conc:	53.159	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	05:37:50 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.75	min
Area:	37843	counts
Height:	4.28e+003	cps
Start Time:	8.61	min
End Time:	9.03	min



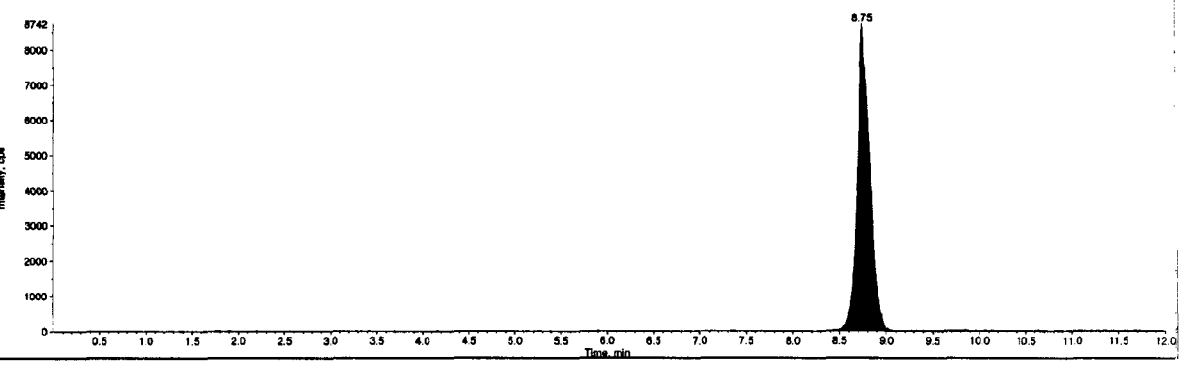
Sample Name: "0106020 Spk B, 500 ng/L" Sample ID: "021904-411" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "0106020 Spk B, 500 ng/L" Annotation: ""

Sample Index:	12	
Sample Type:	QC	
Concentration:	500.000	ng/mL
Calculated Conc:	523.550	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	05:58:47 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Valley	
Retention Time:	8.78	min
Area:	372703	counts
Height:	4.04e+004	cps
Start Time:	8.61	min
End Time:	9.10	min



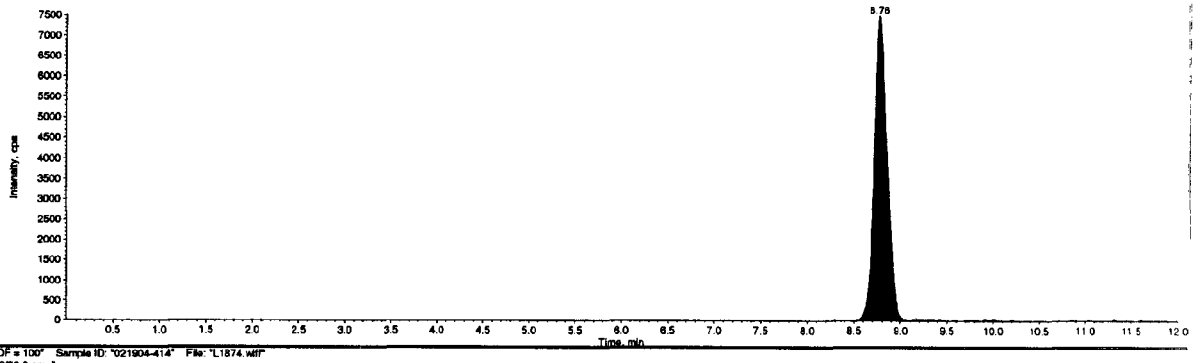
Sample Name: "L1874-1 Spk C, 10000 ng/L DF = 100" Sample ID: "021904-412" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-1 Spk C, 10000 ng/L DF = 100" Annotation: ""

Sample Index:	13	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	116.566	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	06:19:50 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Base To Base	
Retention Time:	8.75	min
Area:	82981	counts
Height:	8.73e+003	cps
Start Time:	8.40	min
End Time:	9.07	min



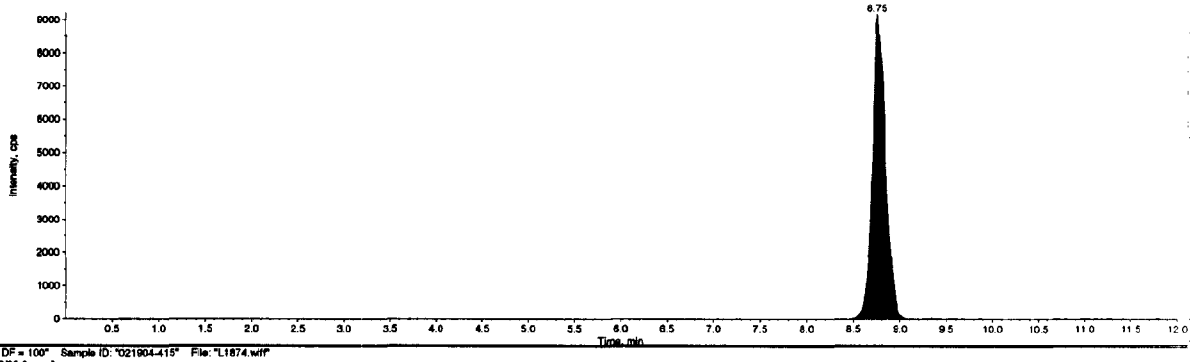
Sample Name: "L1874-5 Spk D, 10000 ng/L DF = 100" Sample ID: "021904-413" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-5 Spk D, 10000 ng/L DF = 100" Annotation: ""

Sample Index:	14	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	104.120	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	06:40:51 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Base To Base	
Retention Time:	8.77	min
Area:	74121	counts
Height:	7.53e+003	cps
Start Time:	8.52	min
End Time:	9.11	min



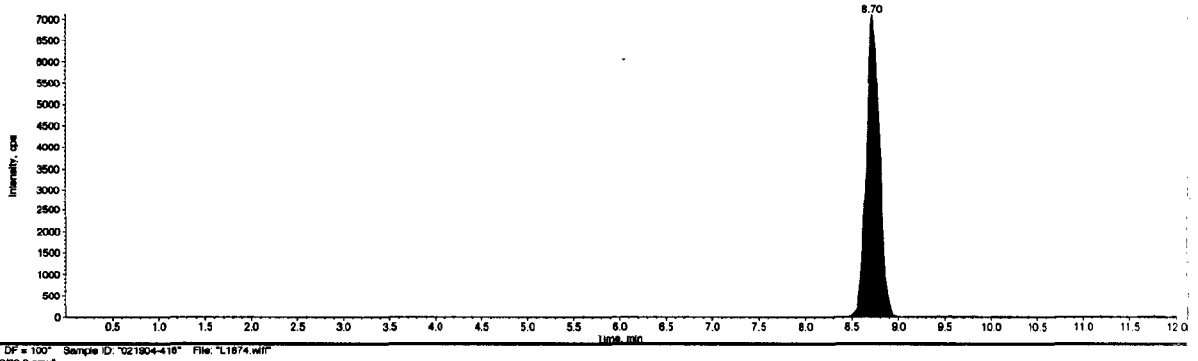
Sample Name: "L1874-9 Spk E, 10000 ng/L DF = 100" Sample ID: "021904-414" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-9 Spk E, 10000 ng/L DF = 100" Annotation: ""

Sample Index:	15	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	128.949	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	07:01:46 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.76	min
Area:	91796	counts
Height:	9.21e+003	cps
Start Time:	8.46	min
End Time:	9.09	min



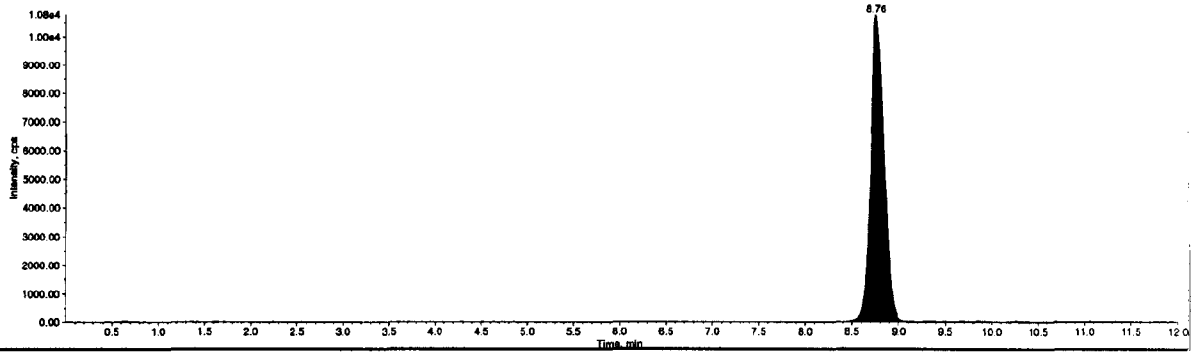
Sample Name: "L1874-13 Spk F, 10000 ng/L DF = 100" Sample ID: "021904-415" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-13 Spk F, 10000 ng/L DF = 100" Annotation: ""

Sample Index:	16	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	102.038	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	07:22:46 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Valley	
Retention Time:	8.70	min
Area:	72638	counts
Height:	7.12e+003	cps
Start Time:	8.44	min
End Time:	9.03	min



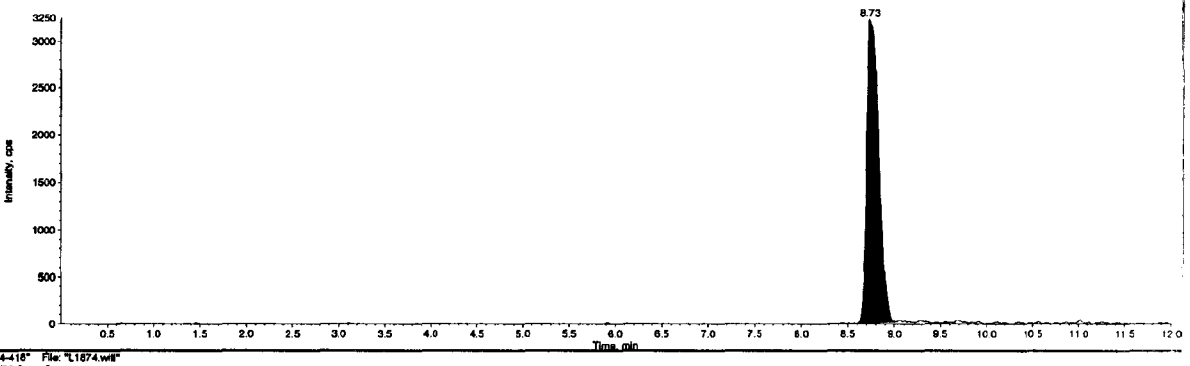
Sample Name: "L1874-17 Spk G, 10000 ng/L DF = 100" Sample ID: "021904-416" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-17 Spk G, 10000 ng/L DF = 100" Annotation: ""

Sample Index:	17	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	154.184	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	07:43:49 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.76	min
Area:	109760	counts
Height:	1.08e+004	cps
Start Time:	8.47	min
End Time:	9.10	min



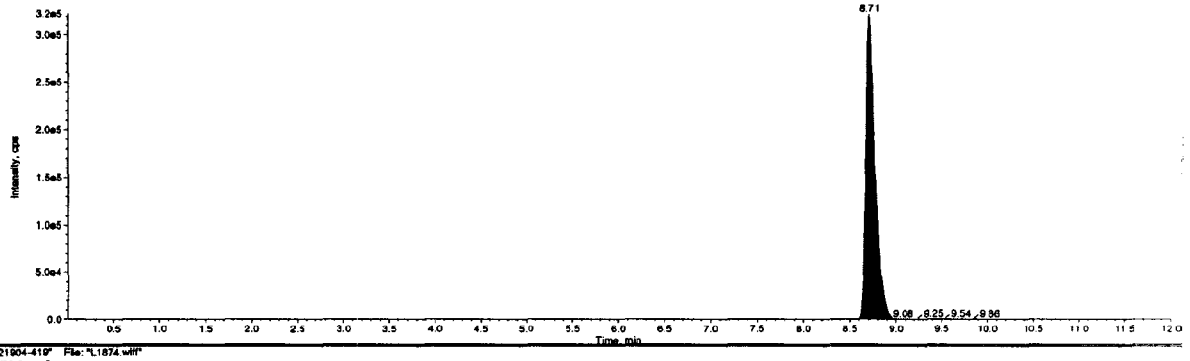
Sample Name: "XC021004-1, 25 ng/L" Sample ID: "021904-417" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "XC021004-1, 25 ng/L" Annotation: ""

Sample Index:	18
Sample Type:	Standard
Concentration:	25.000 ng/mL
Calculated Conc:	42.446 ng/mL
Acq. Date:	02/20/04
Acq. Time:	08:04:40 AM
Modified:	No
Bunching Factor:	1
Noise Threshold:	2.43 cps
Area Threshold:	12.16 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.82 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Valley
Retention Time:	8.73 min
Area:	10216 counts
Height:	3.24e+003 cps
Start Time:	8.60 min
End Time:	9.03 min



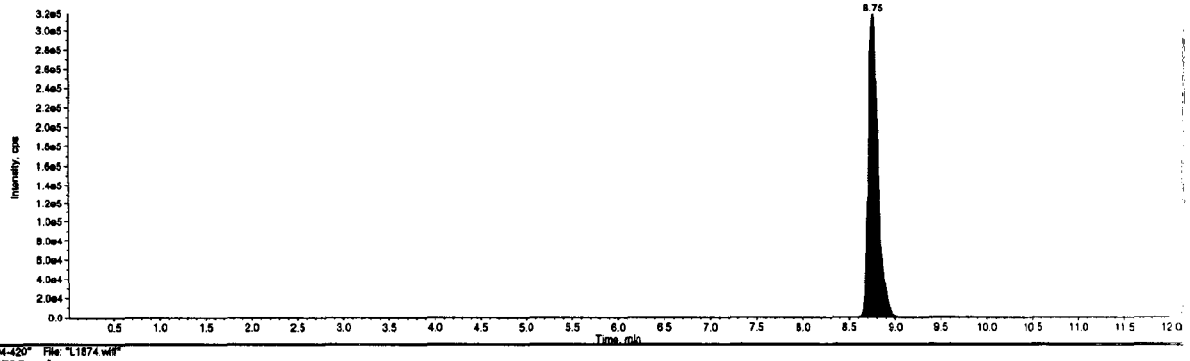
Sample Name: "L1874-1" Sample ID: "021904-418" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-1" Annotation: ""

Sample Index:	19
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	3327.599 ng/mL
Acq. Date:	02/10/04
Acq. Time:	08:25:46 AM
Modified:	Yes
Bunching Factor:	1
Noise Threshold:	2.43 cps
Area Threshold:	12.16 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.82 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Manual
Retention Time:	8.71 min
Area:	2368838 counts
Height:	3.23e+005 cps
Start Time:	8.58 min
End Time:	9.03 min



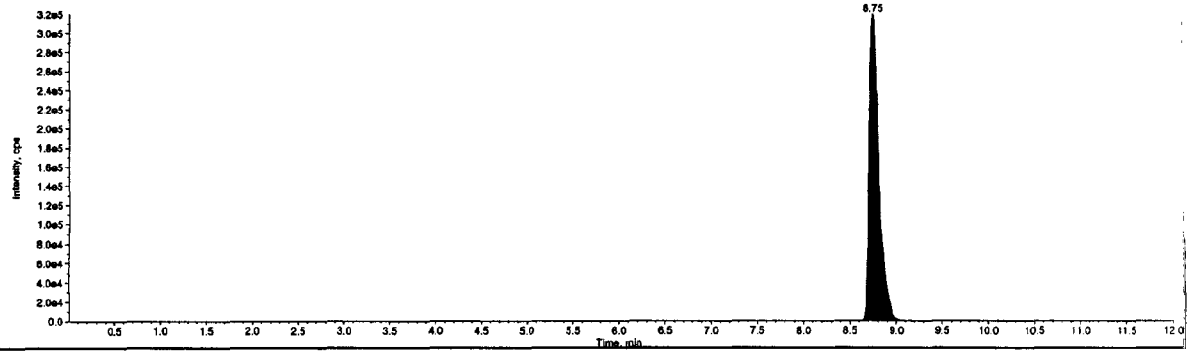
Sample Name: "L1874-1 Rep" Sample ID: "021904-419" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-1 Rep" Annotation: ""

Sample Index:	20
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	3358.987 ng/mL
Acq. Date:	02/20/04
Acq. Time:	08:46:45 AM
Modified:	Yes
Bunching Factor:	1
Noise Threshold:	2.43 cps
Area Threshold:	12.16 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.82 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Manual
Retention Time:	8.74 min
Area:	2391182 counts
Height:	3.18e+005 cps
Start Time:	8.61 min
End Time:	9.03 min



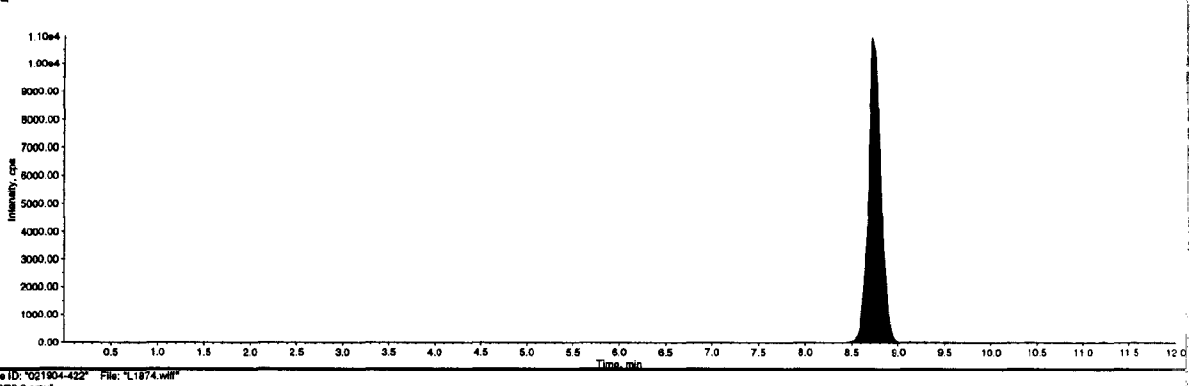
Sample Name: "L1874-2" Sample ID: "021904-420" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-2" Annotation: ""

Sample Index:	21
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	3344.667 ng/mL
Acq. Date:	02/20/04
Acq. Time:	09:07:45 AM
Modified:	Yes
Bunching Factor:	1
Noise Threshold:	2.43 cps
Area Threshold:	12.16 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.82 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Manual
Retention Time:	8.75 min
Area:	2380988 counts
Height:	3.20e+005 cps
Start Time:	8.61 min
End Time:	9.16 min



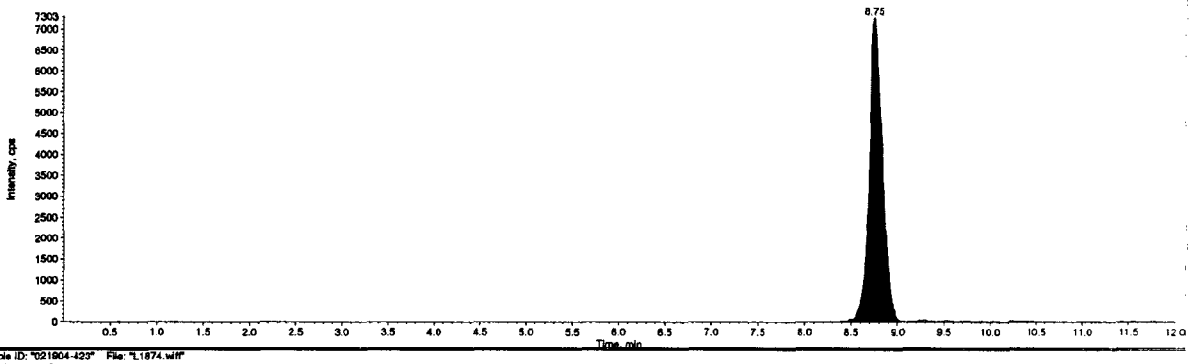
Sample Name: "L1874-3 DF = 100" Sample ID: "021904-421" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-3 DF = 100" Annotation: ""

Sample Index:	22	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	149.428	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	09:28:48 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Base To Base	
Retention Time:	8.72	min
Area:	106374	counts
Height:	1.10e+004	cps
Start Time:	8.39	min
End Time:	9.02	min



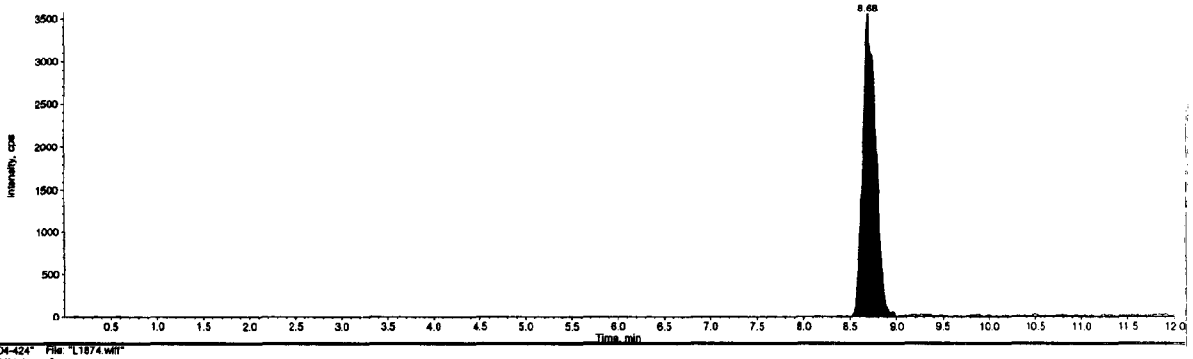
Sample Name: "L1874-4 DF = 1000" Sample ID: "021904-422" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-4 DF = 1000" Annotation: ""

Sample Index:	23	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	102.867	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	09:49:47 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.75	min
Area:	73229	counts
Height:	7.29e+003	cps
Start Time:	8.45	min
End Time:	9.08	min



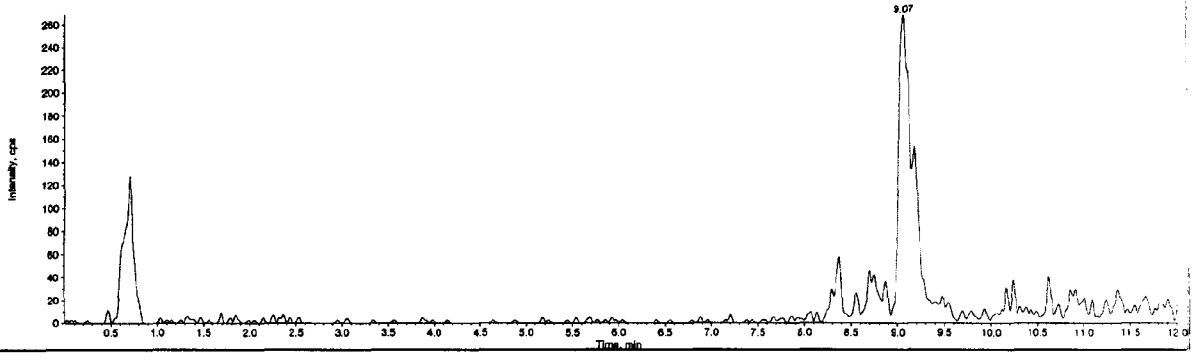
Sample Name: "XC021004-2, 50 ng/L" Sample ID: "021904-423" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "XC021004-2, 50 ng/L" Annotation: ""

Sample Index:	24	
Sample Type:	Standard	
Concentration:	50.000	ng/mL
Calculated Conc:	50.693	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	10:10:46 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.67	min
Area:	36087	counts
Height:	3.57e+003	cps
Start Time:	8.51	min
End Time:	9.01	min



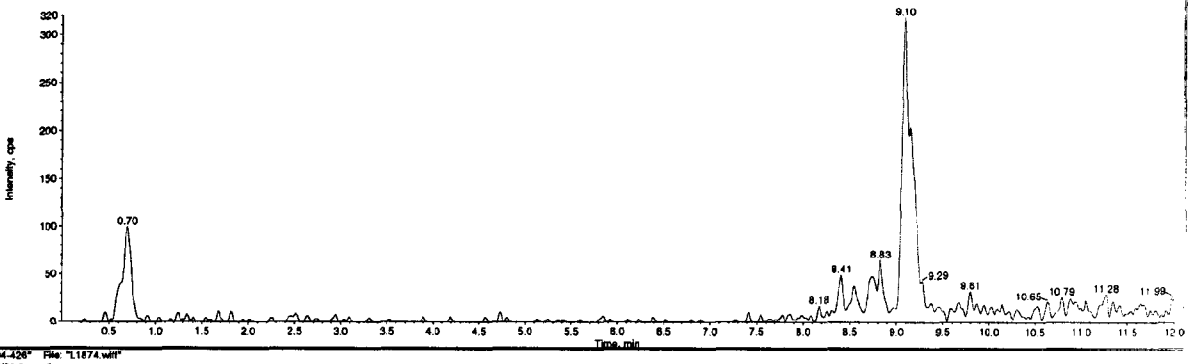
Sample Name: "L1874-5" Sample ID: "021904-424" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-5" Annotation: ""

Sample Index:	25	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	0.000	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	10:31:45 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.56	min
Area:	0	counts
Height:	0.00e+000	cps
Start Time:	8.53	min
End Time:	8.66	min



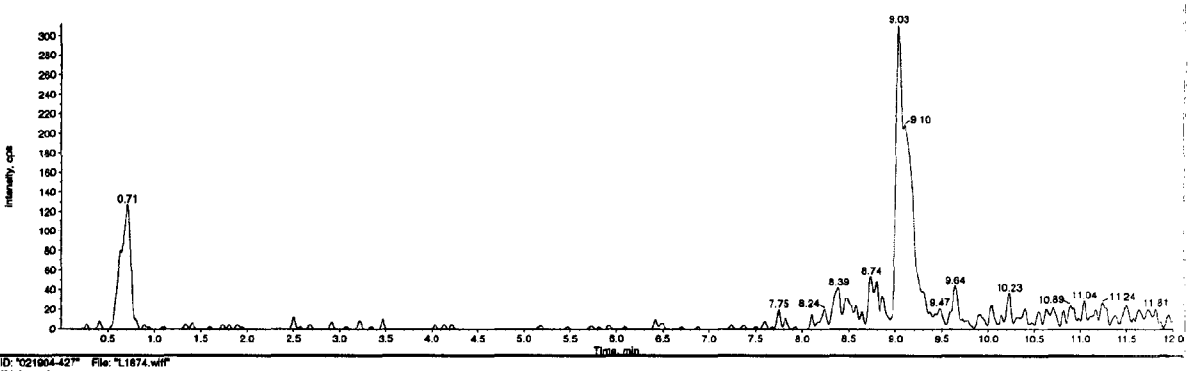
Sample Name: "L1874-5 Rep" Sample ID: "021904-426" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-5 Rep" Annotation: ""

Sample Index:	26	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	0.000	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	10:52:45 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.83	min
Area:	0	counts
Height:	0.00e+000	cps
Start Time:	8.66	min
End Time:	8.90	min



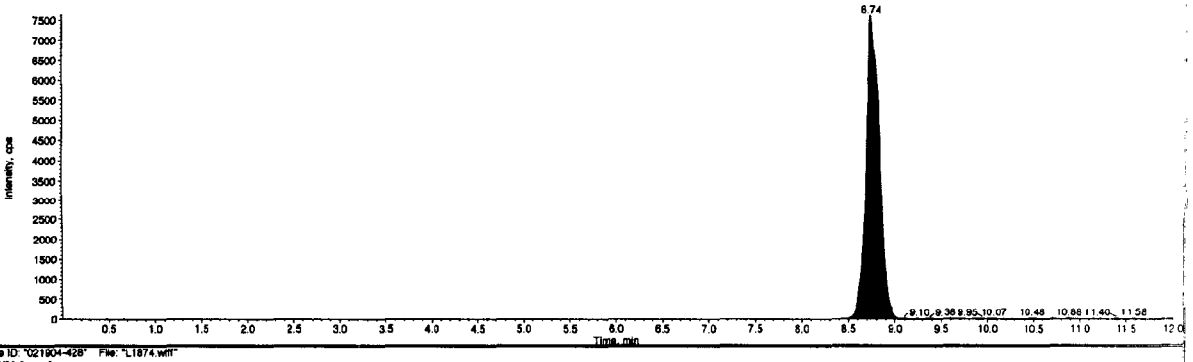
Sample Name: "L1874-6" Sample ID: "021904-426" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-6" Annotation: ""

Sample Index:	27	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	0.000	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	11:13:46 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.71	min
Area:	0	counts
Height:	0.00e+000	cps
Start Time:	8.50	min
End Time:	8.79	min



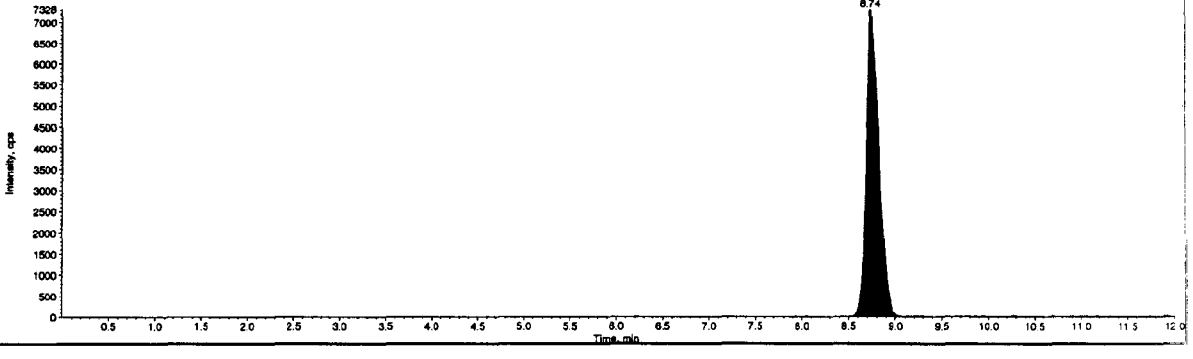
Sample Name: "L1874-7 DF = 100" Sample ID: "021904-427" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-7 DF = 100" Annotation: ""

Sample Index:	28	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	111.393	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	11:34:47 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Valley	
Retention Time:	8.73	min
Area:	79298	counts
Height:	7.65e+003	cps
Start Time:	8.47	min
End Time:	9.05	min



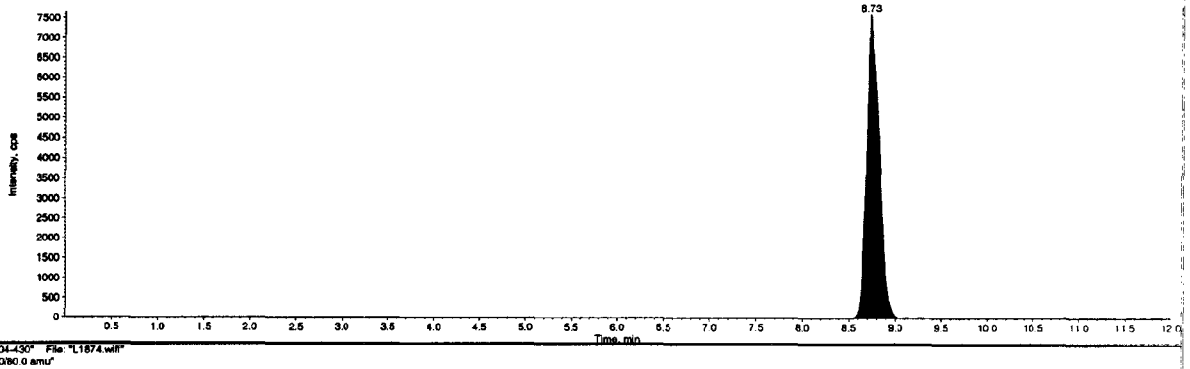
Sample Name: "L1874-8 DF = 1000" Sample ID: "021904-428" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-8 DF = 1000" Annotation: ""

Sample Index:	29	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	99.444	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	11:55:47 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Base To Base	
Retention Time:	8.74	min
Area:	70792	counts
Height:	7.36e+003	cps
Start Time:	8.49	min
End Time:	9.10	min



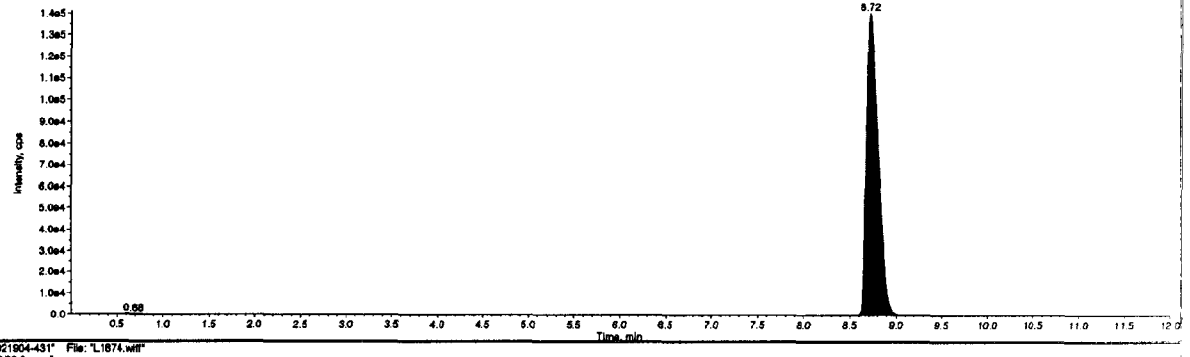
Sample Name: "XC021004-3, 100 ng/L" Sample ID: "021904-429" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "XC021004-3, 100 ng/L" Annotation: ""

Sample Index:	30	
Sample Type:	Standard	
Concentration:	100.000	ng/mL
Calculated Conc:	102.996	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	12:16:46 PM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Base To Base	
Retention Time:	8.73	min
Area:	71320	counts
Height:	7.66e+003	cps
Start Time:	8.52	min
End Time:	9.05	min



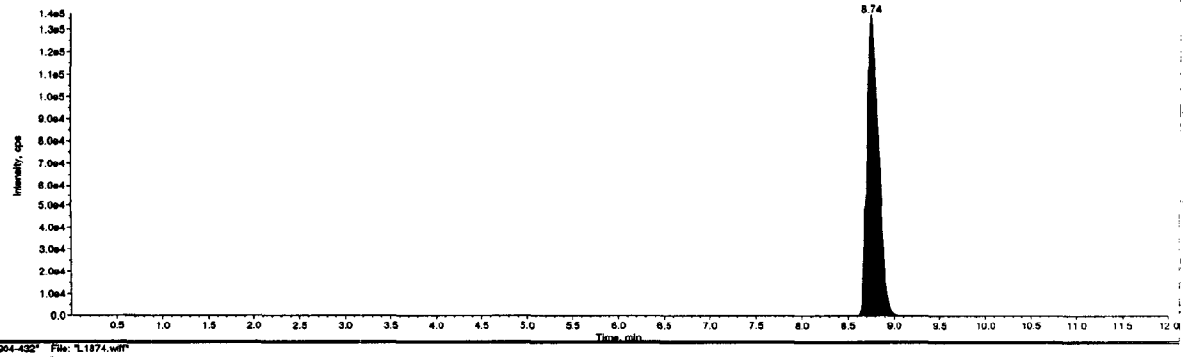
Sample Name: "L1874-9" Sample ID: "021904-430" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-9" Annotation: ""

Sample Index:	31	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	1811.268	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	12:37:45 PM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.72	min
Area:	1289398	counts
Height:	1.41e+005	cps
Start Time:	8.57	min
End Time:	9.04	min



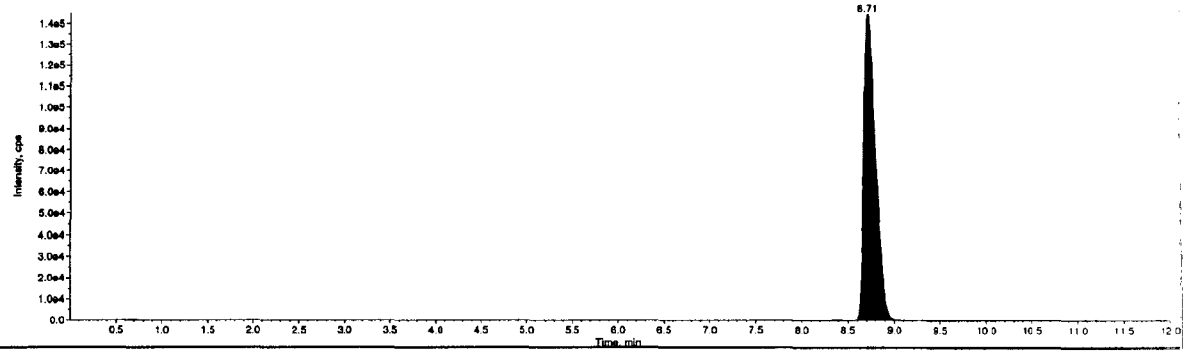
Sample Name: "L1874-9 Rep" Sample ID: "021904-431" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-9 Rep" Annotation: ""

Sample Index:	32	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	1737.605	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	12:58:44 PM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.73	min
Area:	1236959	counts
Height:	1.37e+005	cps
Start Time:	8.60	min
End Time:	9.07	min



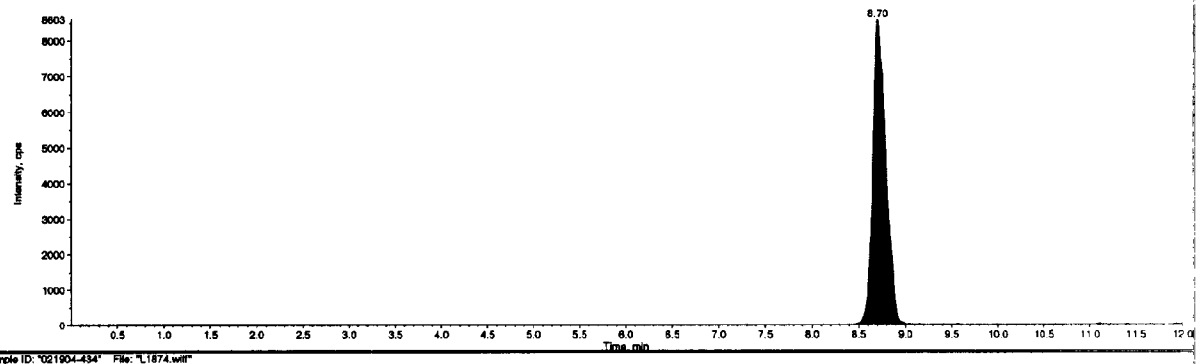
Sample Name: "L1874-10" Sample ID: "021904-432" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-10" Annotation: ""

Sample Index:	33	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	1848.291	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	01:19:42 PM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.71	min
Area:	1315754	counts
Height:	1.45e+005	cps
Start Time:	8.59	min
End Time:	9.03	min



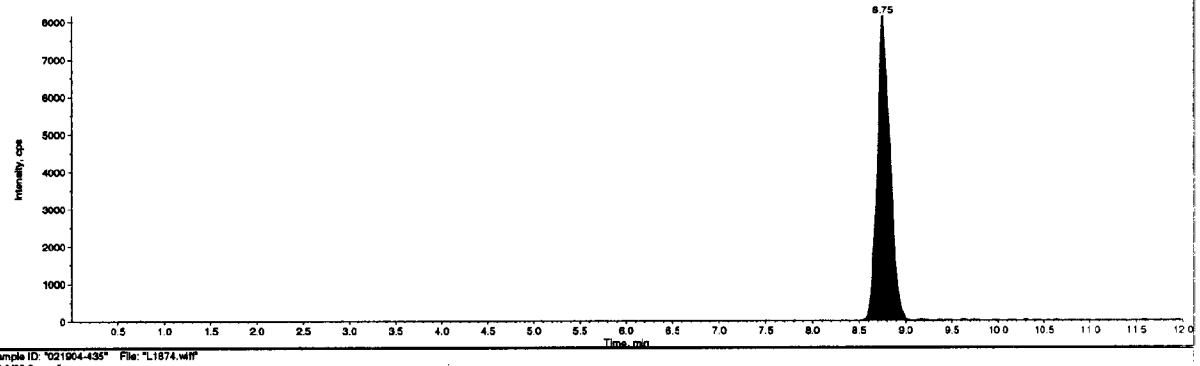
Sample Name: "L1874-11 DF = 100" Sample ID: "021904-433" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-11 DF = 100" Annotation: ""

Sample Index:	34	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	122.194	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	01:40:41 PM	
Modified:	No	
Smoothing Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Valley	
Retention Time:	8.70	min
Area:	86987	counts
Height:	8.61e+003	cps
Start Time:	8.43	min
End Time:	9.02	min



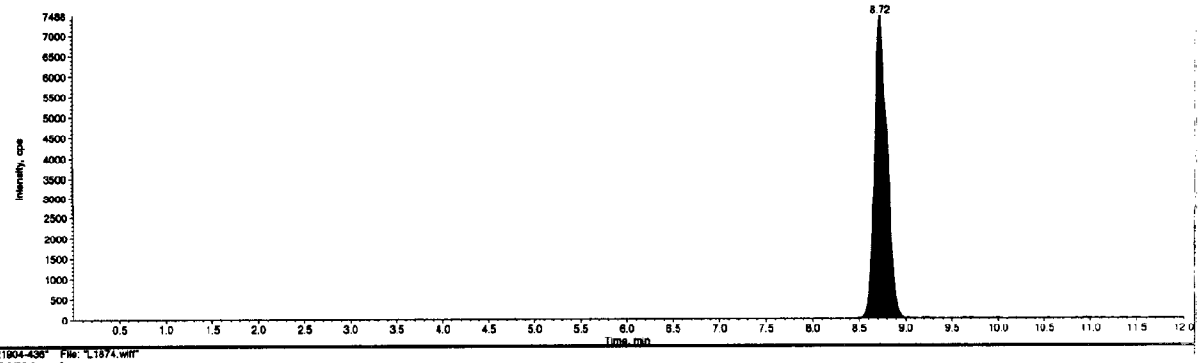
Sample Name: "L1874-12 DF = 1000" Sample ID: "021904-434" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-12 DF = 1000" Annotation: ""

Sample Index:	35	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	113.035	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	02:01:39 PM	
Modified:	No	
Smoothing Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Base To Base	
Retention Time:	8.75	min
Area:	80467	counts
Height:	8.16e+003	cps
Start Time:	8.49	min
End Time:	9.07	min



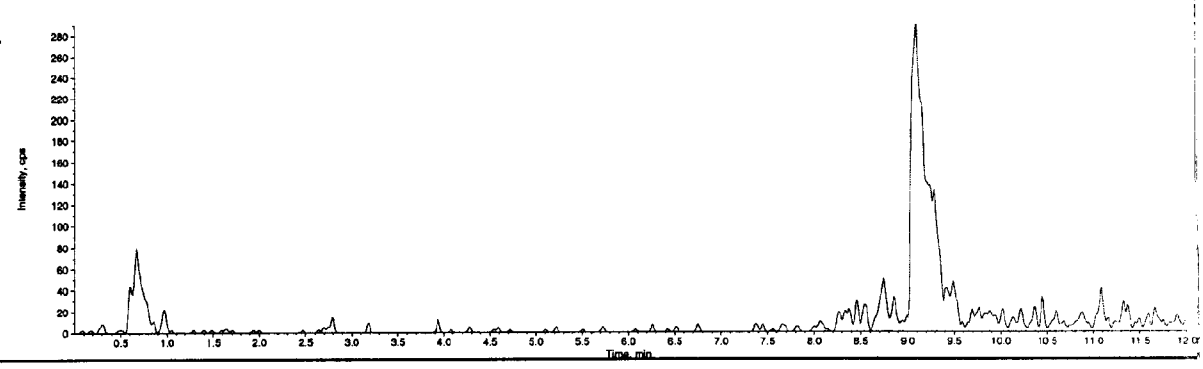
Sample Name: "XC021004-3, 100 ng/L" Sample ID: "021904-435" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "XC021004-3, 100 ng/L" Annotation: ""

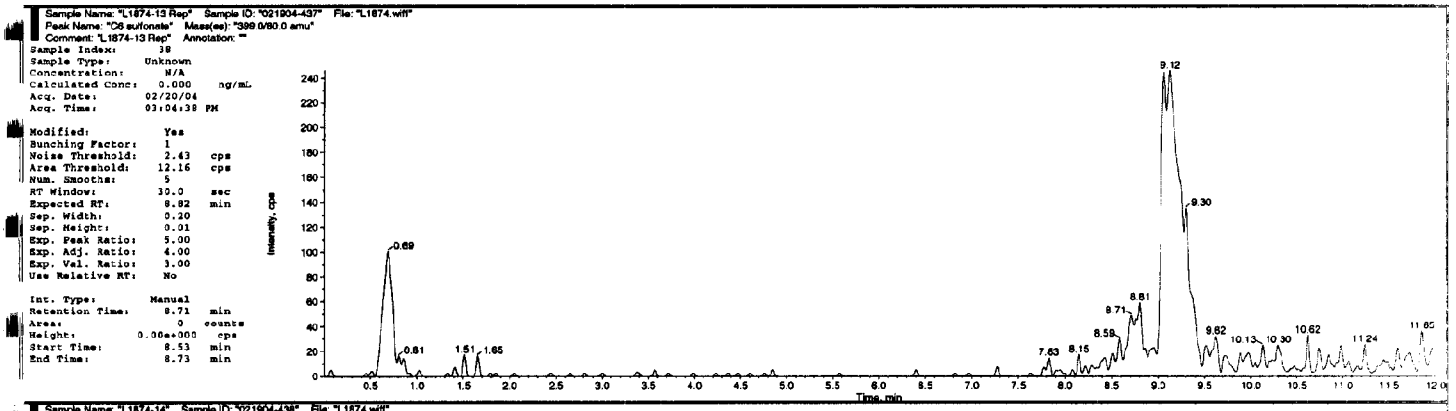
Sample Index:	36	
Sample Type:	Standard	
Concentration:	100.000	ng/mL
Calculated Conc:	101.261	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	02:22:40 PM	
Modified:	Yes	
Smoothing Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.72	min
Area:	72085	counts
Height:	7.48e+003	cps
Start Time:	8.52	min
End Time:	8.99	min

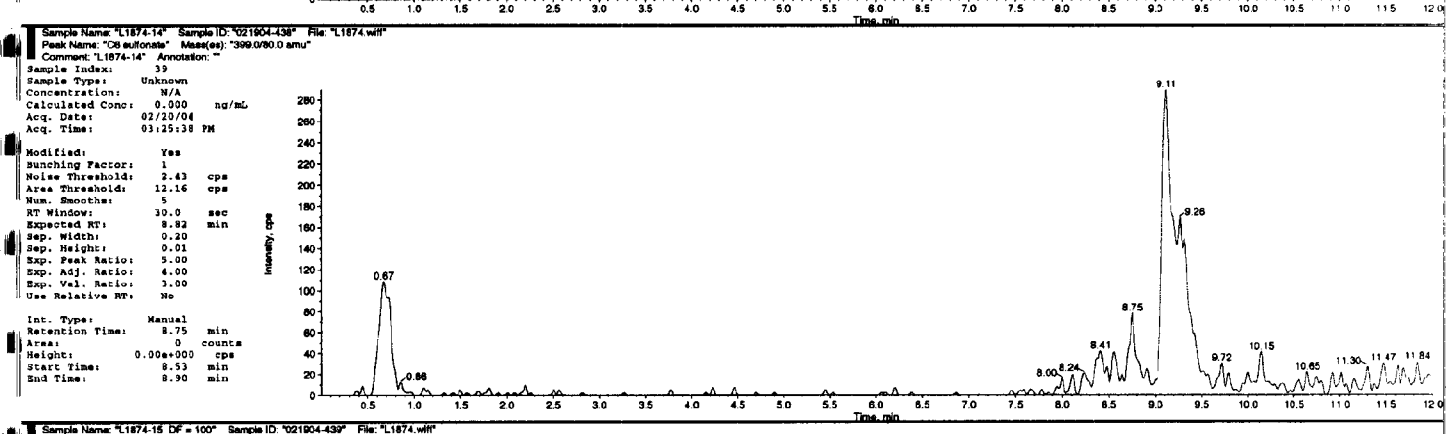


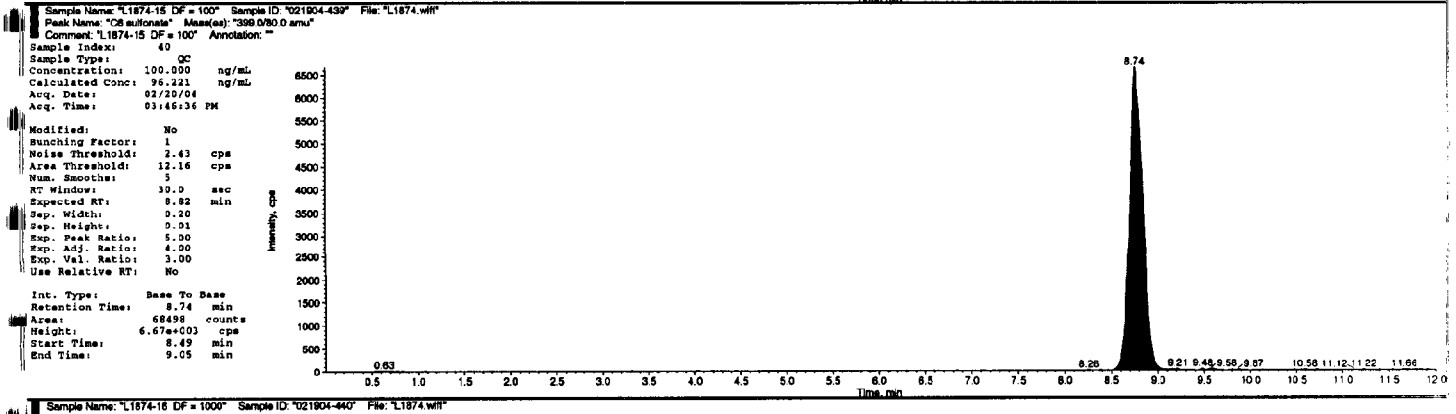
Sample Name: "L1874-13" Sample ID: "021904-436" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-13" Annotation: ""

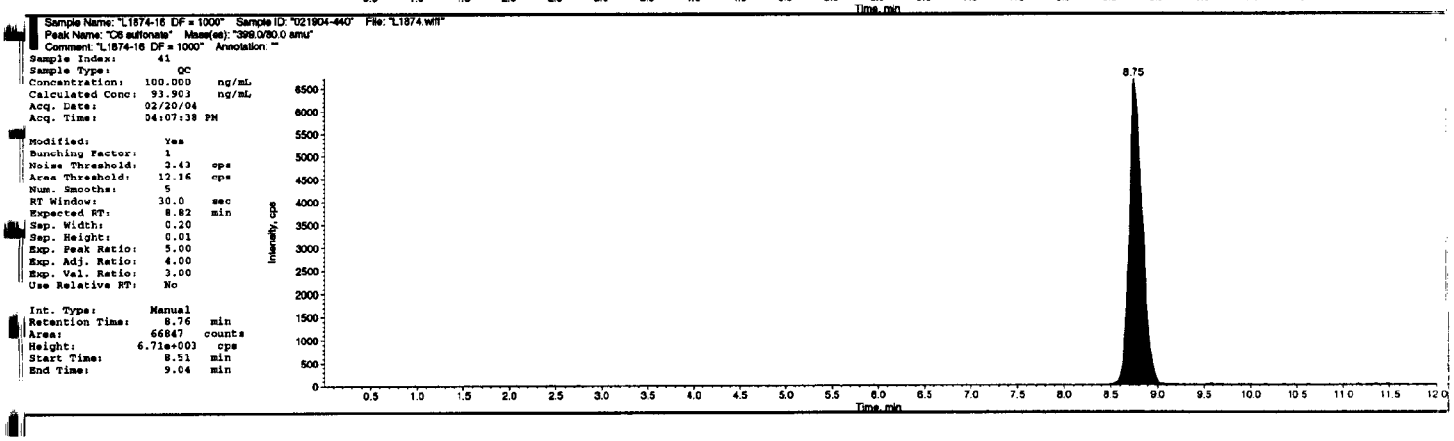
Sample Index:	37	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	0.000	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	02:43:38 PM	
Modified:	Yes	
Smoothing Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.75	min
Area:	0	counts
Height:	0.00e+000	cps
Start Time:	8.54	min
End Time:	8.77	min




Sample Name: "L1874-13 Rep" Sample ID: "021904-437" File: "L1874.wiff"
Peak Name: "C6 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-13 Rep" Annotation: ""
Sample Index: 38
Sample Type: Unknown
Concentration: N/A
Calculated Conc: 0.000 ng/mL
Acq. Date: 02/20/04
Acq. Time: 03:04:38 PM
Modified: Yes
Bunching Factor: 1
Noise Threshold: 2.43 cps
Area Threshold: 12.16 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 8.82 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Manual
Retention Time: 8.71 min
Area: 0 counts
Height: 0.00e+000 cps
Start Time: 8.53 min
End Time: 8.73 min
Intensity, cps
Time, min

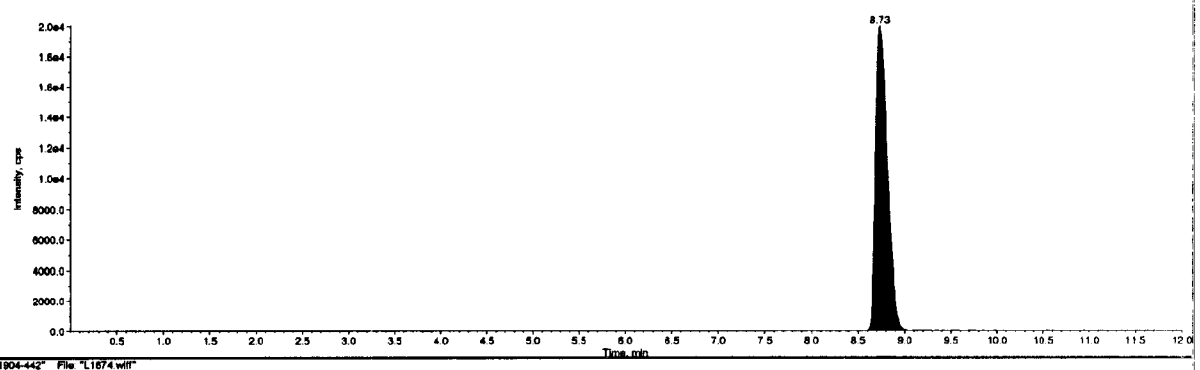

Sample Name: "L1874-14" Sample ID: "021904-438" File: "L1874.wiff"
Peak Name: "C6 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-14" Annotation: ""
Sample Index: 39
Sample Type: Unknown
Concentration: N/A
Calculated Conc: 0.000 ng/mL
Acq. Date: 02/20/04
Acq. Time: 03:25:38 PM
Modified: Yes
Bunching Factor: 1
Noise Threshold: 2.43 cps
Area Threshold: 12.16 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 8.82 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Manual
Retention Time: 8.75 min
Area: 0 counts
Height: 0.00e+000 cps
Start Time: 8.53 min
End Time: 8.90 min
Intensity, cps
Time, min


Sample Name: "L1874-15 DF = 100" Sample ID: "021904-439" File: "L1874.wiff"
Peak Name: "C6 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-15 DF = 100" Annotation: ""
Sample Index: 40
Sample Type: QC
Concentration: 100.000 ng/mL
Calculated Conc: 96.221 ng/mL
Acq. Date: 02/20/04
Acq. Time: 03:46:36 PM
Modified: No
Bunching Factor: 1
Noise Threshold: 2.43 cps
Area Threshold: 12.16 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 8.82 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Base To Base
Retention Time: 8.74 min
Area: 68498 counts
Height: 6.67e+003 cps
Start Time: 8.49 min
End Time: 9.05 min
Intensity, cps
Time, min


Sample Name: "L1874-16 DF = 1000" Sample ID: "021904-440" File: "L1874.wiff"
Peak Name: "C6 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-16 DF = 1000" Annotation: ""
Sample Index: 41
Sample Type: QC
Concentration: 100.000 ng/mL
Calculated Conc: 93.903 ng/mL
Acq. Date: 02/20/04
Acq. Time: 04:07:38 PM
Modified: Yes
Bunching Factor: 1
Noise Threshold: 2.43 cps
Area Threshold: 12.16 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 8.82 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Manual
Retention Time: 8.76 min
Area: 66847 counts
Height: 6.71e+003 cps
Start Time: 8.51 min
End Time: 9.04 min
Intensity, cps
Time, min

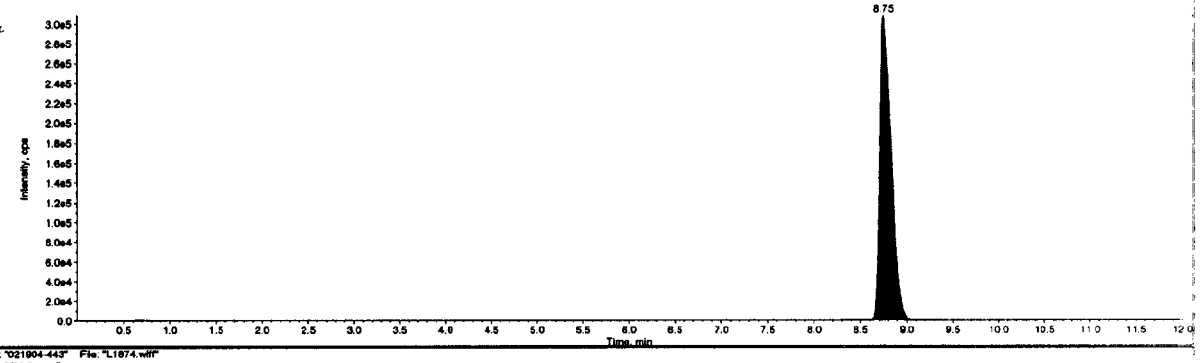
Sample Name: "XC021004-3, 250 ng/L" Sample ID: "021904-441" File: "L1874.wiff"
Peak Name: "C6 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "XC021004-3, 250 ng/L" Annotation: ""

Sample Index:	42
Sample Type:	Standard
Concentration:	250.000 ng/mL
Calculated Conc:	257.947 ng/mL
Acq. Date:	02/20/04
Acq. Time:	04:28:37 PM
Modified:	No
Bunching Factor:	1
Noise Threshold:	2.43 cps
Area Threshold:	12.16 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.82 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	8.73 min
Area:	183626 counts
Height:	2.00e+004 cps
Start Time:	8.54 min
End Time:	9.05 min



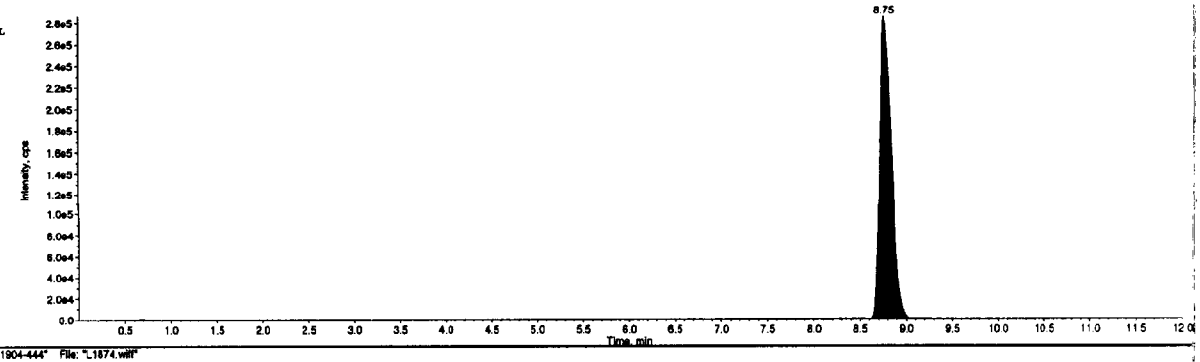
Sample Name: "L1874-17" Sample ID: "021904-442" File: "L1874.wiff"
Peak Name: "C6 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-17" Annotation: ""

Sample Index:	43
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	3911.766 ng/mL
Acq. Date:	02/20/04
Acq. Time:	04:49:36 PM
Modified:	Yes
Bunching Factor:	1
Noise Threshold:	2.43 cps
Area Threshold:	12.16 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.82 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Manual
Retention Time:	8.75 min
Area:	2784692 counts
Height:	3.09e+005 cps
Start Time:	8.61 min
End Time:	9.08 min



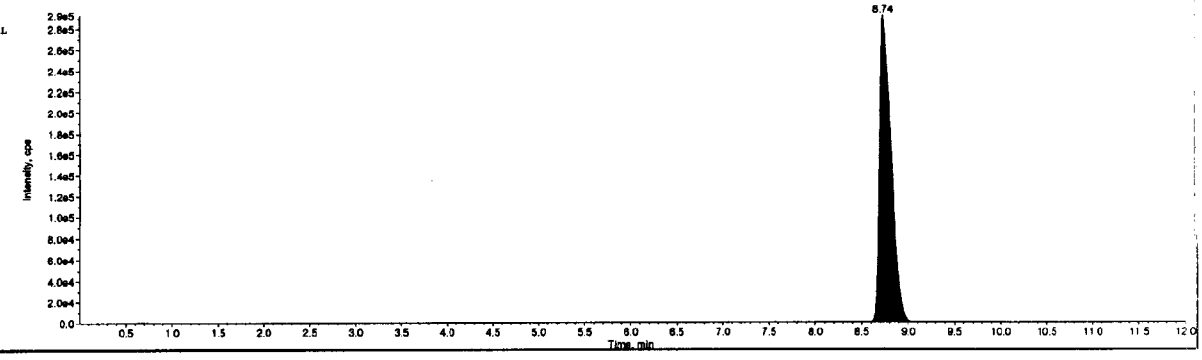
Sample Name: "L1874-17 Rep" Sample ID: "021904-443" File: "L1874.wiff"
Peak Name: "C6 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-17 Rep" Annotation: ""

Sample Index:	44
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	3663.821 ng/mL
Acq. Date:	02/20/04
Acq. Time:	05:10:34 PM
Modified:	Yes
Bunching Factor:	1
Noise Threshold:	2.43 cps
Area Threshold:	12.16 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.82 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Manual
Retention Time:	8.75 min
Area:	2608186 counts
Height:	2.86e+005 cps
Start Time:	8.61 min
End Time:	9.05 min



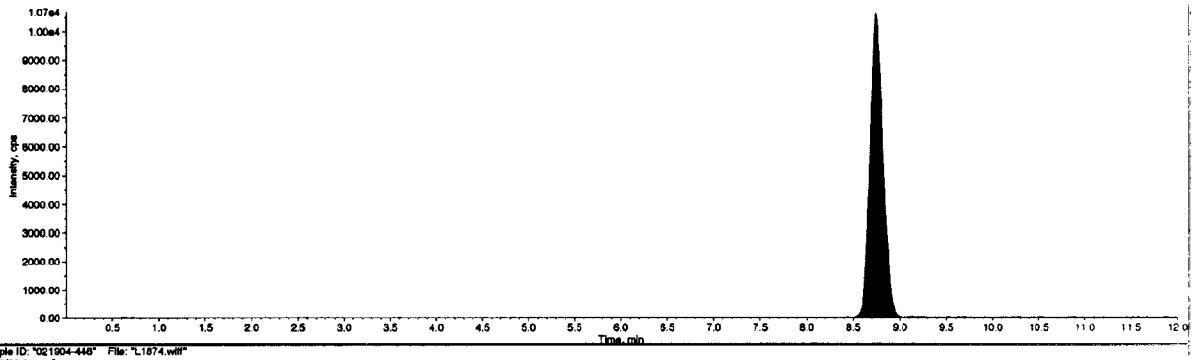
Sample Name: "L1874-18" Sample ID: "021904-444" File: "L1874.wiff"
Peak Name: "C6 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-18" Annotation: ""

Sample Index:	45
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	3729.088 ng/mL
Acq. Date:	02/20/04
Acq. Time:	05:31:36 PM
Modified:	No
Bunching Factor:	1
Noise Threshold:	2.43 cps
Area Threshold:	12.16 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.82 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	8.74 min
Area:	2654648 counts
Height:	2.93e+005 cps
Start Time:	8.60 min
End Time:	9.13 min



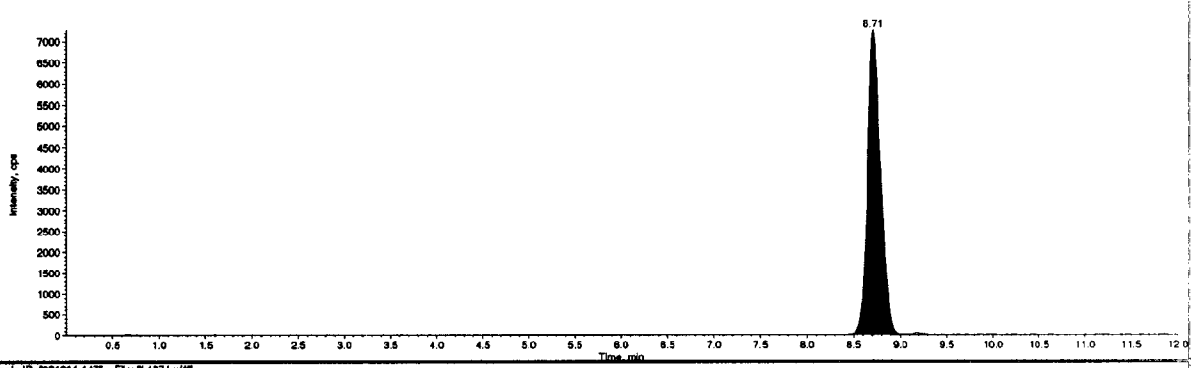
Sample Name: "L1874-19 DF = 100" Sample ID: "021904-445" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-19 DF = 100" Annotation: ""

Sample Index:	46	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	148.905	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	05:52:38 PM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.73	min
Area:	106002	counts
Height:	1.07e+004	cps
Start Time:	8.48	min
End Time:	9.01	min



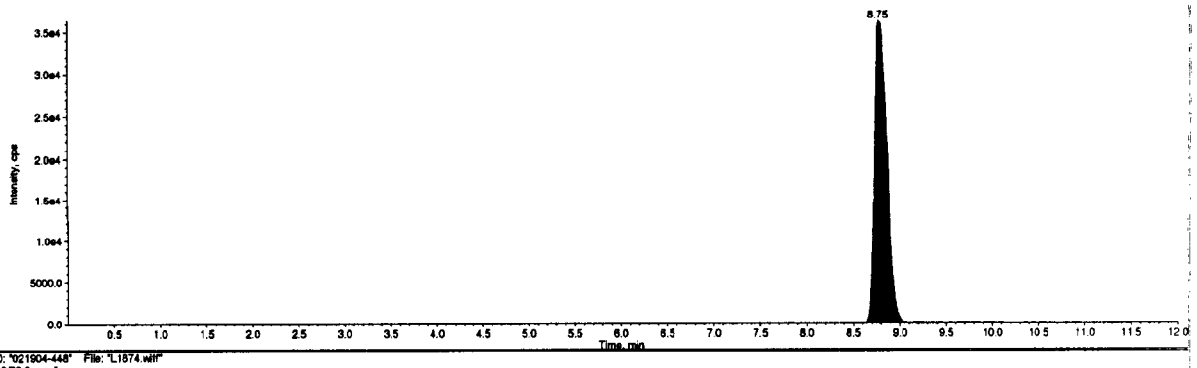
Sample Name: "L1874-20 DF = 1000" Sample ID: "021904-446" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-20 DF = 1000" Annotation: ""

Sample Index:	47	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	102.797	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	06:13:37 PM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Base To Base	
Retention Time:	8.71	min
Area:	73179	counts
Height:	7.27e+003	cps
Start Time:	8.39	min
End Time:	9.00	min



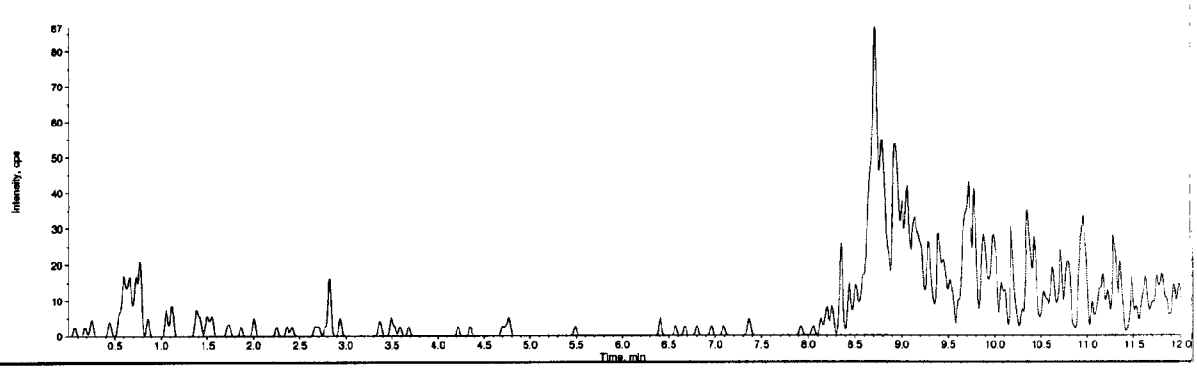
Sample Name: "XC021004-3, 500 ng/L" Sample ID: "021904-447" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "XC021004-3, 500 ng/L" Annotation: ""

Sample Index:	48	
Sample Type:	Standard	
Concentration:	500.000	ng/mL
Calculated Conc:	493.651	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	06:34:36 PM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.76	min
Area:	351418	counts
Height:	3.64e+004	cps
Start Time:	8.62	min
End Time:	9.10	min



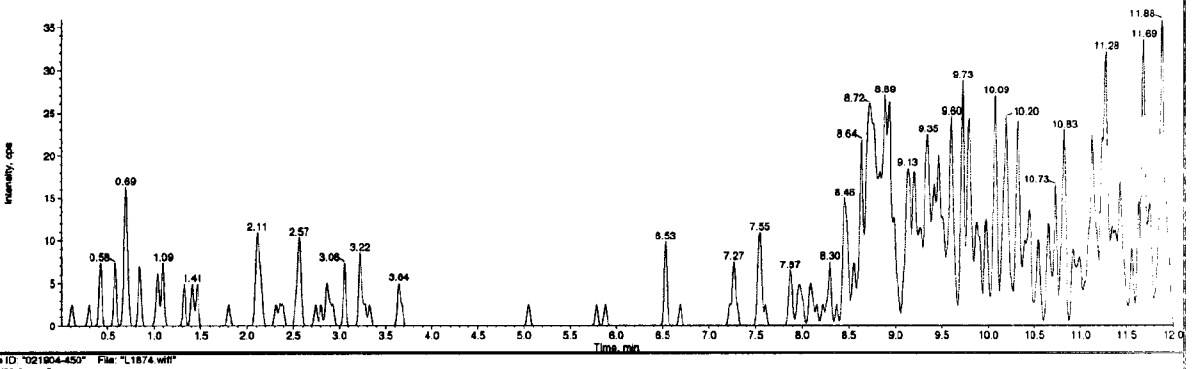
Sample Name: "Methanol Wash" Sample ID: "021904-448" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "Methanol Wash" Annotation: ""

Sample Index:	49	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	0.000	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	06:55:35 PM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	2.43	cps
Area Threshold:	12.16	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	8.82	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	7.92	min
Area:	0	counts
Height:	0.00e+000	cps
Start Time:	7.62	min
End Time:	8.11	min



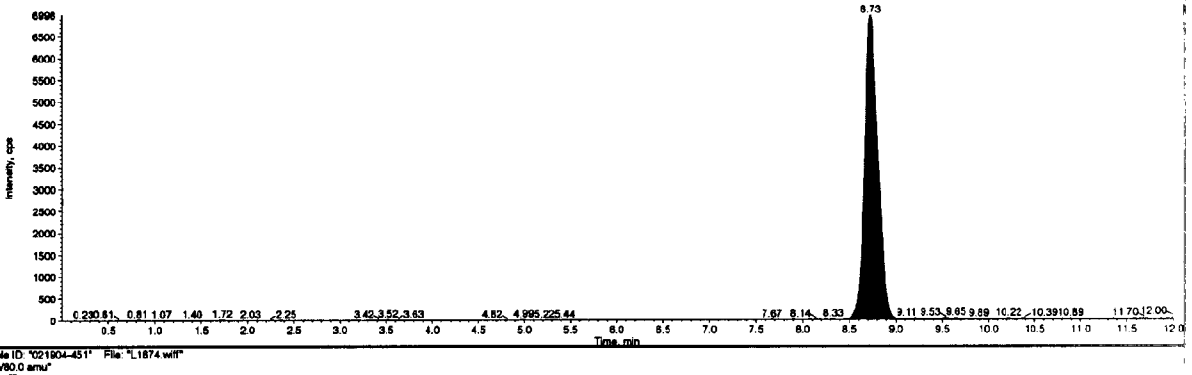
Sample Name: "L1874-21" Sample ID: "021904-449" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-21" Annotation: ""

Sample Index:	50
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	0.000 ng/mL
Acq. Date:	02/20/04
Acq. Time:	07:16:36 PM
Modified:	Yes
Bunching Factor:	1
Noise Threshold:	2.43 cps
Area Threshold:	12.16 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.82 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Manual
Retention Time:	8.89 min
Area:	0 counts
Height:	0.00e+000 cps
Start Time:	8.48 min
End Time:	9.02 min



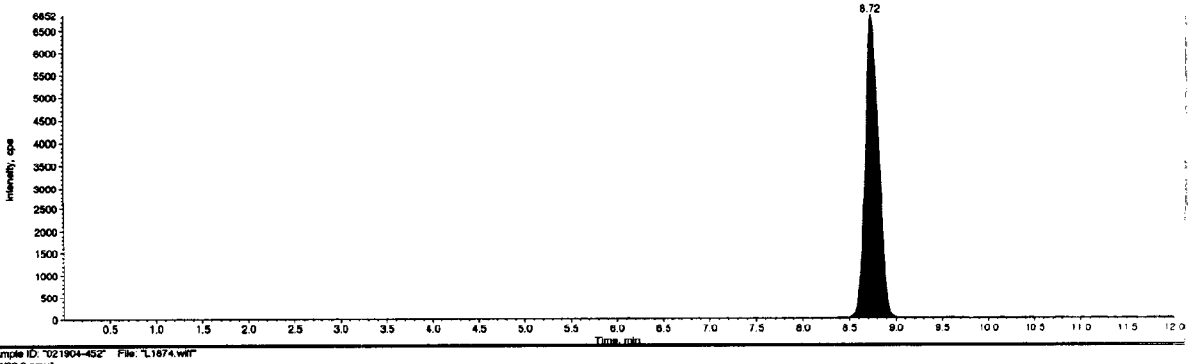
Sample Name: "L1874-22 DF = 100" Sample ID: "021904-450" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-22 DF = 100" Annotation: ""

Sample Index:	51
Sample Type:	QC
Concentration:	100.000 ng/mL
Calculated Conc:	99.899 ng/mL
Acq. Date:	02/20/04
Acq. Time:	07:37:39 PM
Modified:	No
Bunching Factor:	1
Noise Threshold:	2.43 cps
Area Threshold:	12.16 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.82 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	8.73 min
Area:	71115 counts
Height:	6.99e+003 cps
Start Time:	8.42 min
End Time:	9.05 min



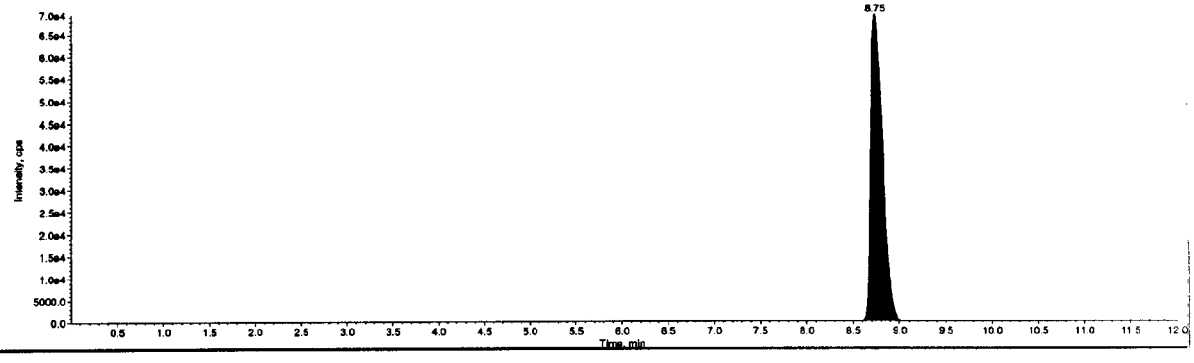
Sample Name: "L1874-23 DF = 1000" Sample ID: "021904-451" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "L1874-23 DF = 1000" Annotation: ""

Sample Index:	52
Sample Type:	QC
Concentration:	100.000 ng/mL
Calculated Conc:	98.707 ng/mL
Acq. Date:	02/20/04
Acq. Time:	07:58:40 PM
Modified:	No
Bunching Factor:	1
Noise Threshold:	2.43 cps
Area Threshold:	12.16 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.82 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Valley
Retention Time:	8.72 min
Area:	70267 counts
Height:	6.85e+003 cps
Start Time:	8.49 min
End Time:	9.04 min



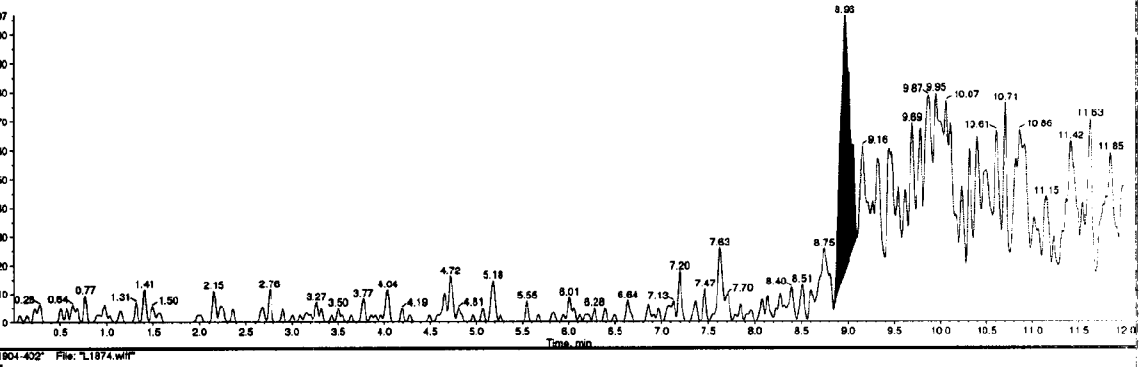
Sample Name: "XC021004-6, 1000 ng/L" Sample ID: "021904-452" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "399.0/80.0 amu"
Comment: "XC021004-6, 1000 ng/L" Annotation: ""

Sample Index:	53
Sample Type:	Standard
Concentration:	1000.000 ng/mL
Calculated Conc:	913.536 ng/mL
Acq. Date:	02/20/04
Acq. Time:	08:19:42 PM
Modified:	Yes
Bunching Factor:	1
Noise Threshold:	2.43 cps
Area Threshold:	12.16 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	8.82 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Manual
Retention Time:	8.74 min
Area:	650324 counts
Height:	6.96e+004 cps
Start Time:	8.59 min
End Time:	9.04 min



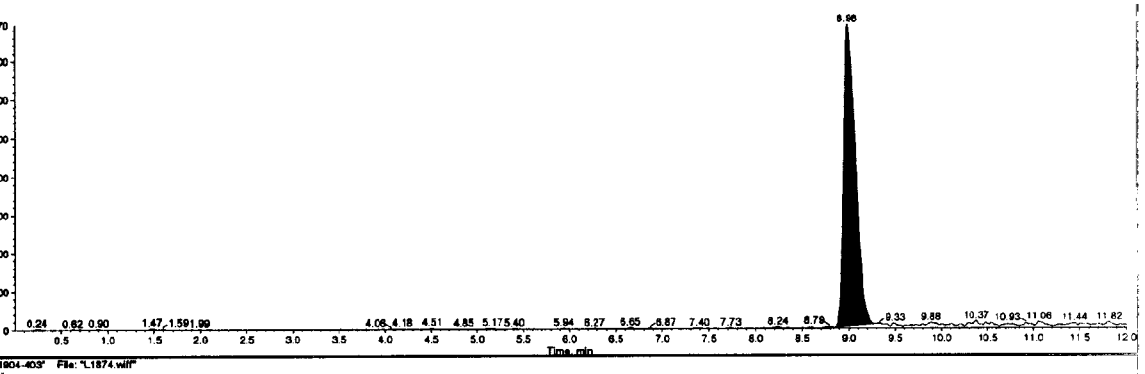
Sample Name: "XC021004-0, 0 ng/L" Sample ID: "021904-401" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "XC021004-0, 0 ng/L" Annotation: ""

Sample Index:	2	
Sample Type:	Standard	
Concentration:	0.000	ng/mL
Calculated Conc:	< 0	
Acq. Date:	02/20/04	
Acq. Time:	02:28:54 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	3.54	cps
Area Threshold:	17.68	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	9.01	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.97	min
Area:	680	counts
Height:	9.02e+001	cps
Start Time:	8.85	min
End Time:	9.10	min



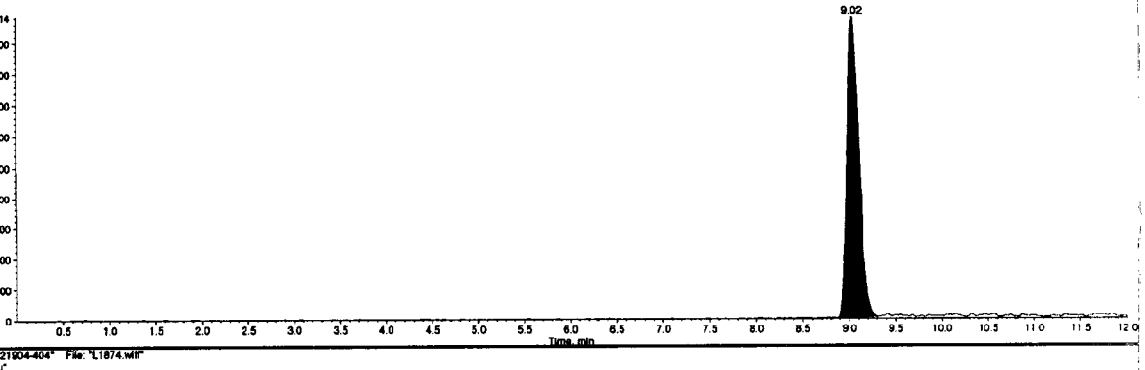
Sample Name: "XC021004-1, 25 ng/L" Sample ID: "021904-402" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "XC021004-1, 25 ng/L" Annotation: ""

Sample Index:	3	
Sample Type:	Standard	
Concentration:	25.000	ng/mL
Calculated Conc:	65.261	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	02:49:55 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	3.54	cps
Area Threshold:	17.68	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	9.01	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Base To Base	
Retention Time:	8.98	min
Area:	36125	counts
Height:	3.95e+003	cps
Start Time:	8.83	min
End Time:	9.30	min



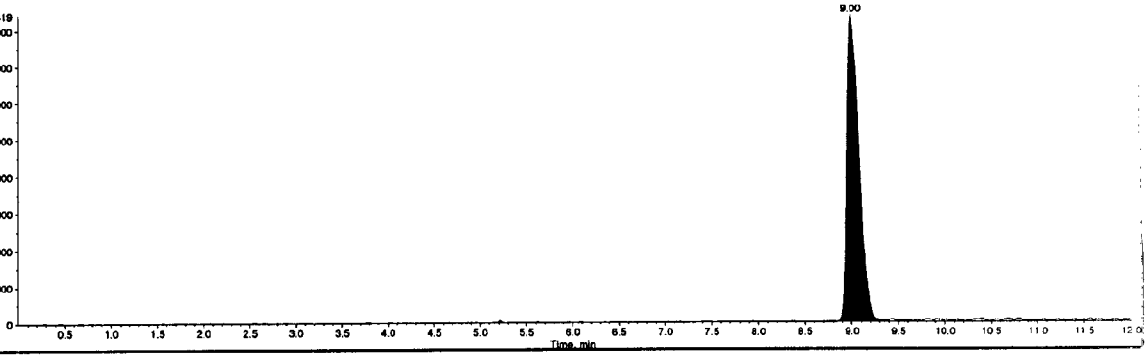
Sample Name: "XC021004-2, 50 ng/L" Sample ID: "021904-403" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "XC021004-2, 50 ng/L" Annotation: ""

Sample Index:	4	
Sample Type:	Standard	
Concentration:	50.000	ng/mL
Calculated Conc:	82.678	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	03:10:52 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	3.54	cps
Area Threshold:	17.68	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	9.01	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Base To Base	
Retention Time:	9.02	min
Area:	45585	counts
Height:	4.90e+003	cps
Start Time:	8.87	min
End Time:	9.32	min



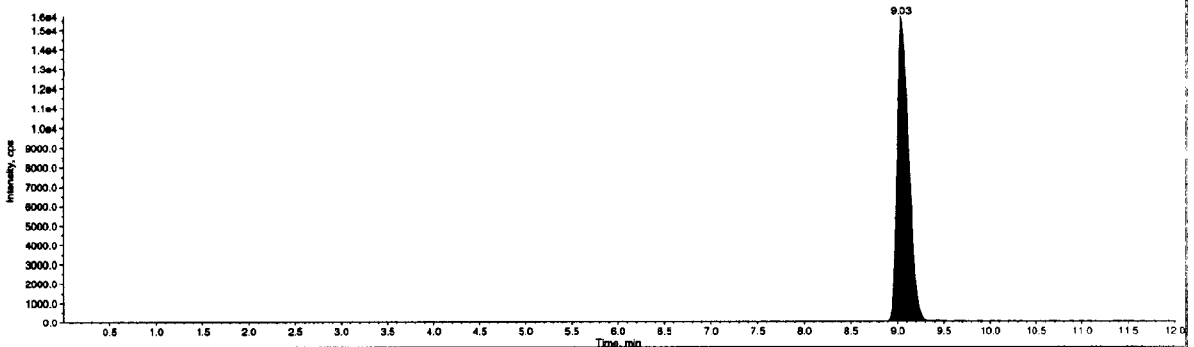
Sample Name: "XC021004-3, 100 ng/L" Sample ID: "021904-404" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "XC021004-3, 100 ng/L" Annotation: ""

Sample Index:	5	
Sample Type:	Standard	
Concentration:	100.000	ng/mL
Calculated Conc:	140.689	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	03:31:51 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	3.54	cps
Area Threshold:	17.68	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	9.01	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	9.00	min
Area:	77070	counts
Height:	8.40e+003	cps
Start Time:	8.85	min
End Time:	9.31	min



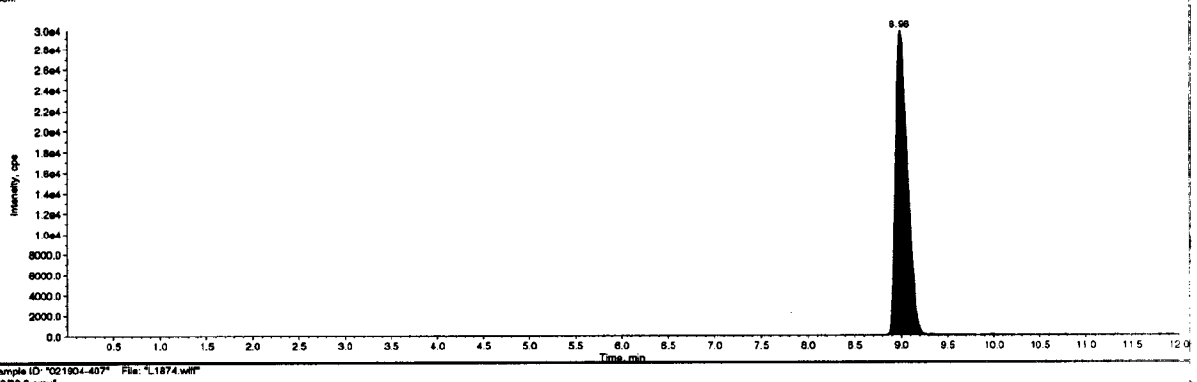
Sample Name: "XC021004-4, 250 ng/L" Sample ID: "021904-405" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "XC021004-4, 250 ng/L" Annotation: ""

Sample Index:	6	
Sample Type:	Standard	
Concentration:	250.000	ng/mL
Calculated Conc:	257.601	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	03:52:48 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	3.54	cps
Area Threshold:	17.68	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	9.01	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	9.04	min
Area:	140590	counts
Height:	1.57e+004	cps
Start Time:	8.89	min
End Time:	9.32	min



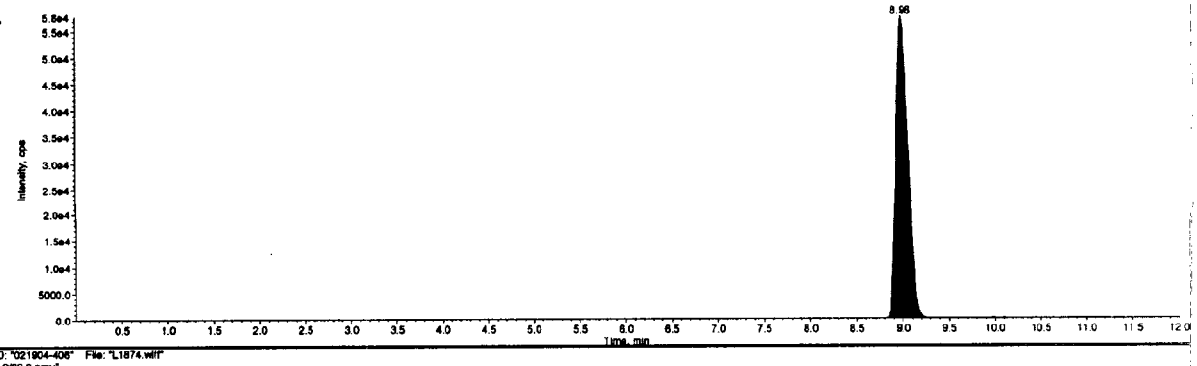
Sample Name: "XC021004-5, 500 ng/L" Sample ID: "021904-406" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "XC021004-5, 500 ng/L" Annotation: ""

Sample Index:	7	
Sample Type:	Standard	
Concentration:	500.000	ng/mL
Calculated Conc:	511.529	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	04:13:49 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	3.54	cps
Area Threshold:	17.68	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	9.01	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Base To Base	
Retention Time:	8.98	min
Area:	278503	counts
Height:	2.98e+004	cps
Start Time:	8.82	min
End Time:	9.27	min



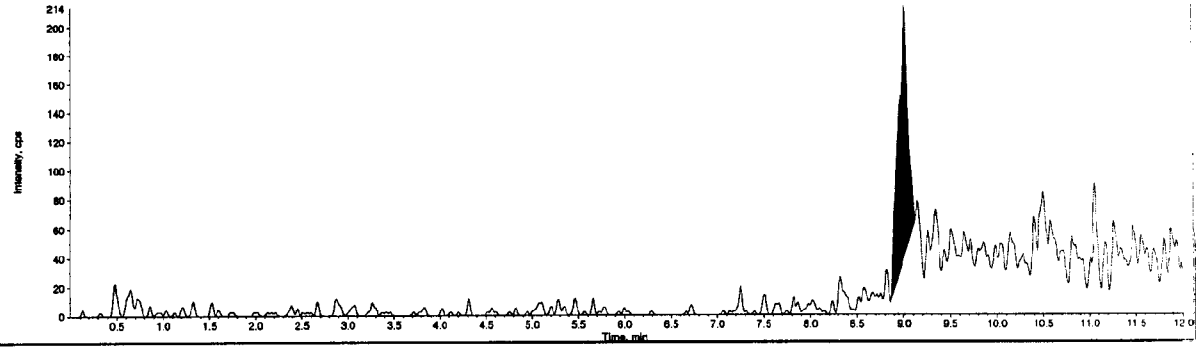
Sample Name: "XC021004-6, 1000 ng/L" Sample ID: "021904-407" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "XC021004-6, 1000 ng/L" Annotation: ""

Sample Index:	8	
Sample Type:	Standard	
Concentration:	1000.000	ng/mL
Calculated Conc:	989.923	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	04:34:48 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	3.54	cps
Area Threshold:	17.68	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	9.01	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Base To Base	
Retention Time:	8.96	min
Area:	536330	counts
Height:	5.77e+004	cps
Start Time:	8.80	min
End Time:	9.31	min



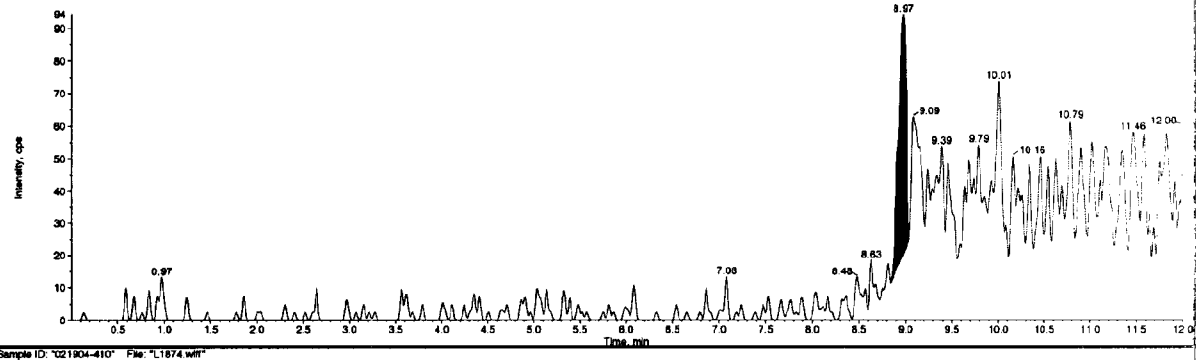
Sample Name: "Methanol Wash" Sample ID: "021904-408" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "Methanol Wash" Annotation: ""

Sample Index:	9	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	1.101	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	04:55:46 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	3.54	cps
Area Threshold:	17.68	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	9.01	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Base To Base	
Retention Time:	9.02	min
Area:	1278	counts
Height:	1.72e+002	cps
Start Time:	8.86	min
End Time:	9.13	min



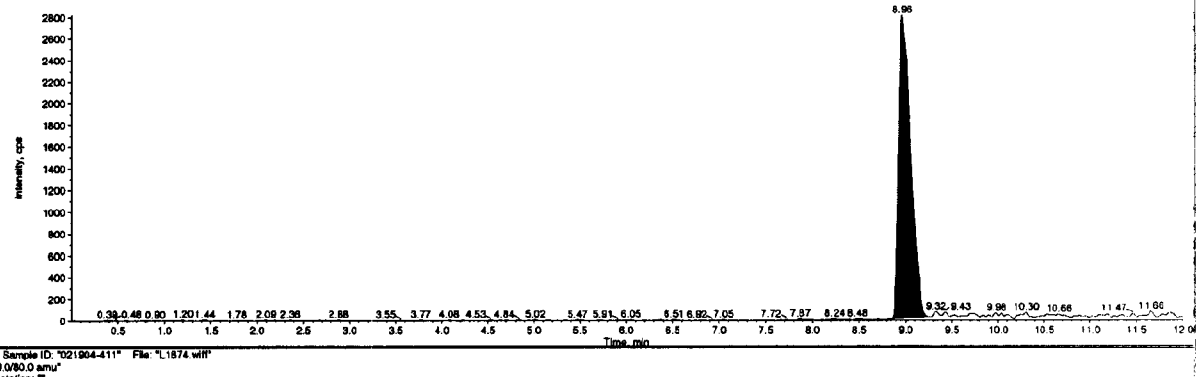
Sample Name: "0106020 Control" Sample ID: "021904-409" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "0106020 Control" Annotation: ""

Sample Index:	10
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	< 0
Acq. Date:	02/20/04
Acq. Time:	05:16:48 AM
Modified:	No
Bunching Factor:	1
Noise Threshold:	3.54 cps
Area Threshold:	17.68 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	9.01 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	8.97 min
Area:	450 counts
Height:	7.43e+001 cps
Start Time:	8.84 min
End Time:	9.04 min



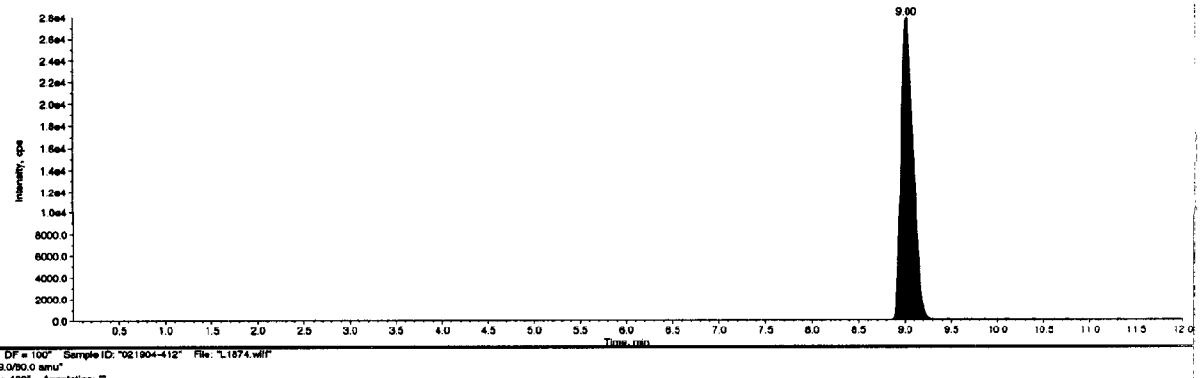
Sample Name: "0106020 Spk A, 50 ng/L" Sample ID: "021904-410" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "0106020 Spk A, 50 ng/L" Annotation: ""

Sample Index:	11
Sample Type:	QC
Concentration:	50.000 ng/mL
Calculated Conc:	46.288 ng/mL
Acq. Date:	02/20/04
Acq. Time:	05:37:50 AM
Modified:	No
Bunching Factor:	1
Noise Threshold:	3.54 cps
Area Threshold:	17.68 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	9.01 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	8.96 min
Area:	25820 counts
Height:	2.81e+003 cps
Start Time:	8.81 min
End Time:	9.25 min



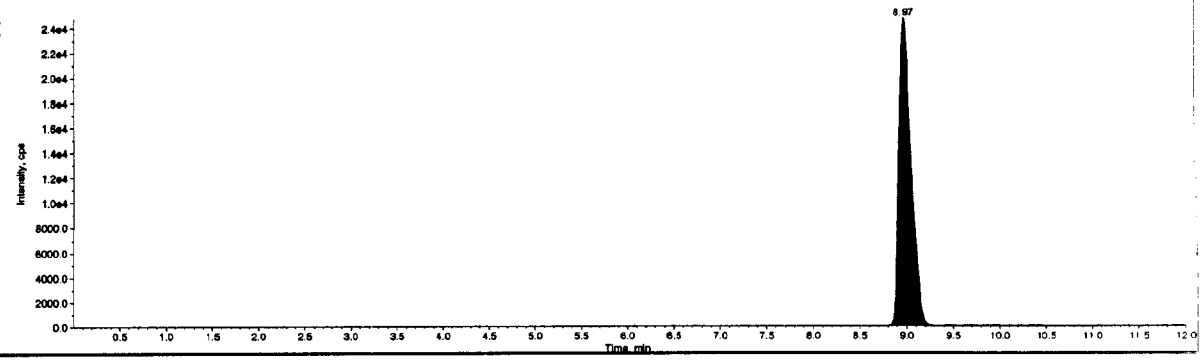
Sample Name: "0106020 Spk B, 500 ng/L" Sample ID: "021904-411" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "0106020 Spk B, 500 ng/L" Annotation: ""

Sample Index:	12
Sample Type:	QC
Concentration:	500.000 ng/mL
Calculated Conc:	493.096 ng/mL
Acq. Date:	02/20/04
Acq. Time:	05:58:47 AM
Modified:	No
Bunching Factor:	1
Noise Threshold:	3.54 cps
Area Threshold:	17.68 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	9.01 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	9.00 min
Area:	263055 counts
Height:	2.80e+004 cps
Start Time:	8.83 min
End Time:	9.32 min



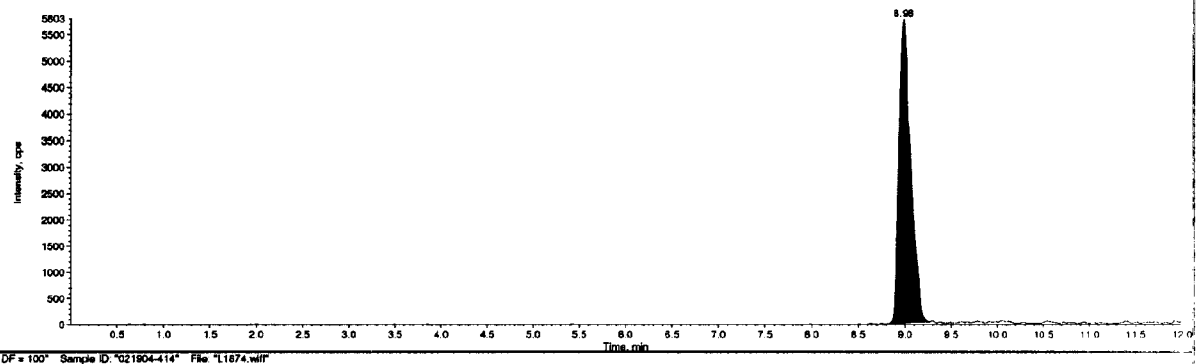
Sample Name: "L1874-1 Spk C, 10000 ng/L DF = 100" Sample ID: "021904-412" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "L1874-1 Spk C, 10000 ng/L DF = 100" Annotation: ""

Sample Index:	13
Sample Type:	QC
Concentration:	100.000 ng/mL
Calculated Conc:	628.138 ng/mL
Acq. Date:	02/20/04
Acq. Time:	06:19:50 AM
Modified:	No
Bunching Factor:	1
Noise Threshold:	3.54 cps
Area Threshold:	17.68 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	9.01 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	8.98 min
Area:	233212 counts
Height:	2.48e+004 cps
Start Time:	8.78 min
End Time:	9.30 min



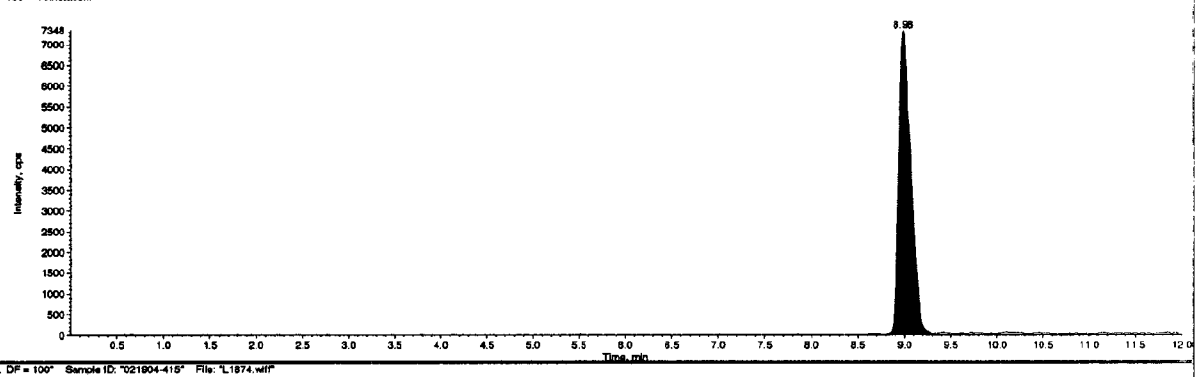
Sample Name: "L1874-5 Spk D, 10000 ng/L DF = 100" Sample ID: "021904-413" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "L1874-5 Spk D, 10000 ng/L DF = 100" Annotation: ""

Sample Index:	14	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	94.769	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	06:40:51 AM	
Modified:	Yes	
Smoothing Factor:	1	
Noise Threshold:	3.54	cps
Area Threshold:	17.68	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	9.01	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.98	min
Area:	52152	counts
Height:	5.77e+003	cps
Start Time:	8.82	min
End Time:	9.27	min



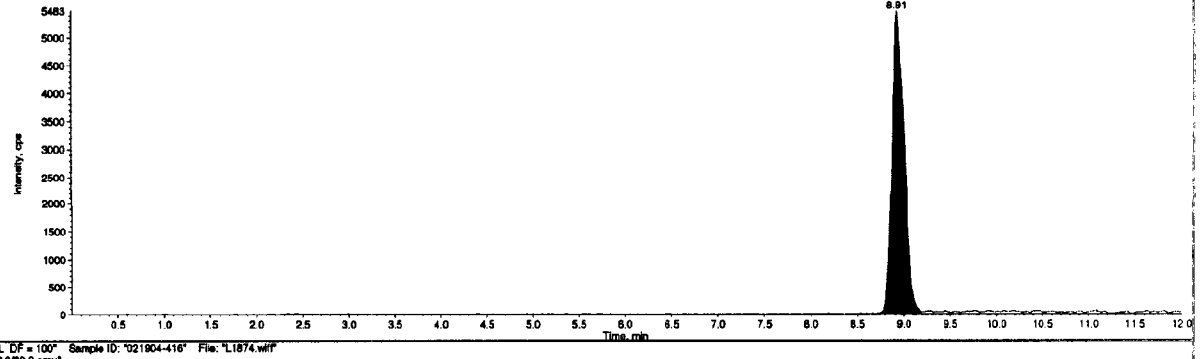
Sample Name: "L1874-9 Spk E, 10000 ng/L DF = 100" Sample ID: "021904-414" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "L1874-9 Spk E, 10000 ng/L DF = 100" Annotation: ""

Sample Index:	15	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	123.564	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	07:01:46 AM	
Modified:	No	
Smoothing Factor:	1	
Noise Threshold:	3.54	cps
Area Threshold:	17.68	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	9.01	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Base To Base	
Retention Time:	8.98	min
Area:	67791	counts
Height:	7.33e+003	cps
Start Time:	8.78	min
End Time:	9.30	min



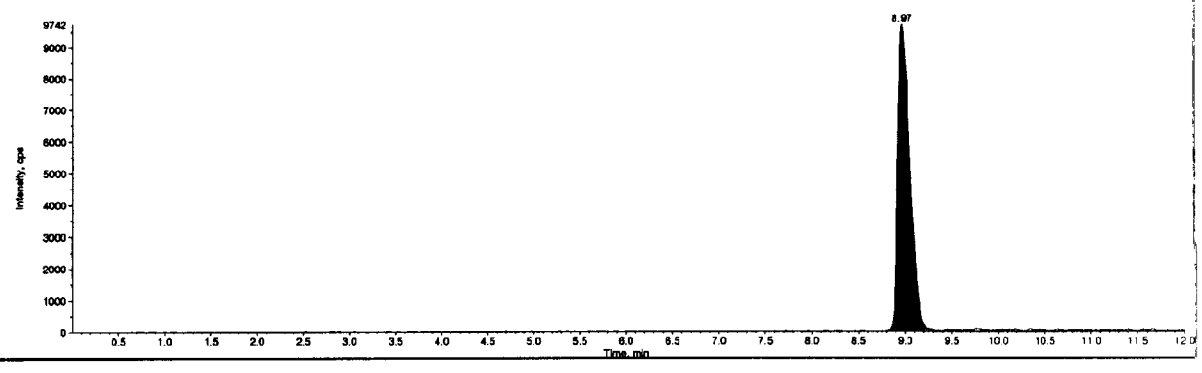
Sample Name: "L1874-13 Spk F, 10000 ng/L DF = 100" Sample ID: "021904-415" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "L1874-13 Spk F, 10000 ng/L DF = 100" Annotation: ""

Sample Index:	16	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	93.601	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	07:22:46 AM	
Modified:	No	
Smoothing Factor:	1	
Noise Threshold:	3.54	cps
Area Threshold:	17.68	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	9.01	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Base To Base	
Retention Time:	8.92	min
Area:	51517	counts
Height:	5.47e+003	cps
Start Time:	8.71	min
End Time:	9.19	min



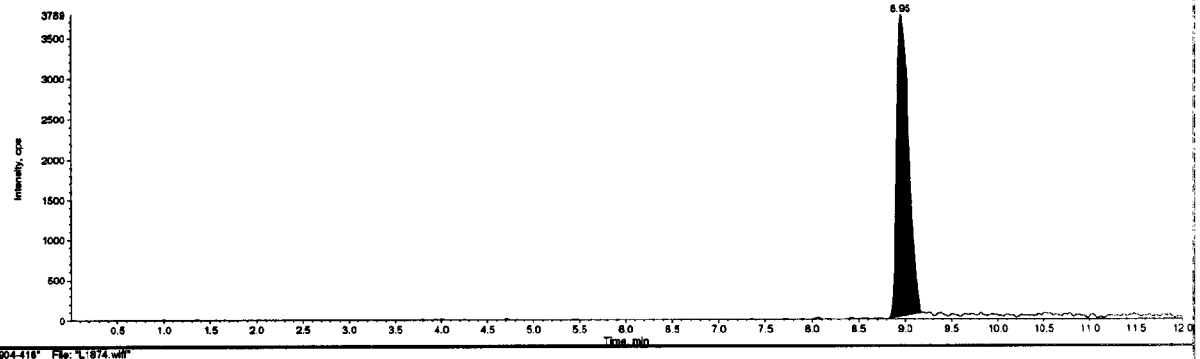
Sample Name: "L1874-17 Spk G, 10000 ng/L DF = 100" Sample ID: "021904-416" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "L1874-17 Spk G, 10000 ng/L DF = 100" Annotation: ""

Sample Index:	17	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	164.119	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	07:43:49 AM	
Modified:	Yes	
Smoothing Factor:	1	
Noise Threshold:	3.54	cps
Area Threshold:	17.68	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	9.01	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.97	min
Area:	89817	counts
Height:	9.71e+003	cps
Start Time:	8.80	min
End Time:	9.30	min



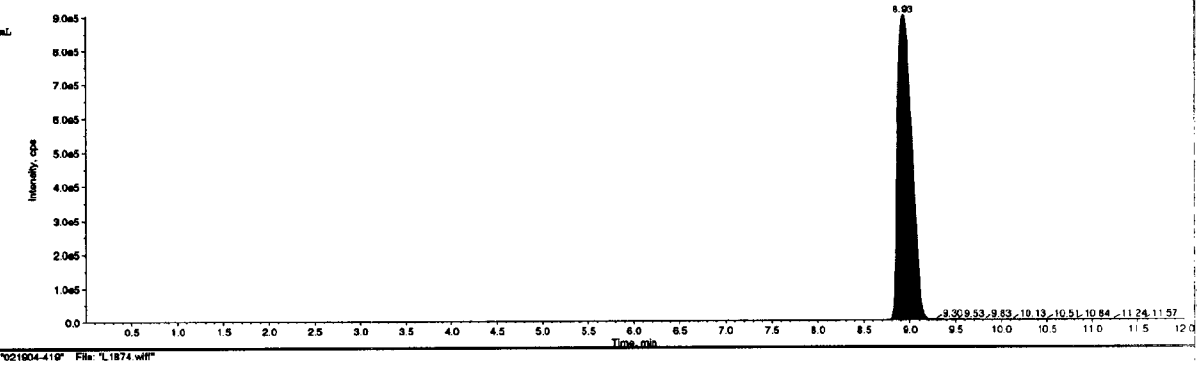
Sample Name: "XC021004-1, 25 ng/L" Sample ID: "021904-417" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "XC021004-1, 25 ng/L" Annotation: ""

Sample Index:	18	
Sample Type:	Standard	
Concentration:	25.000	ng/mL
Calculated Conc:	62.870	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	08:04:48 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	3.54	cps
Area Threshold:	17.68	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	9.01	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Base To Base	
Retention Time:	8.95	min
Area:	34827	counts
Height:	3.76e+003	cps
Start Time:	8.82	min
End Time:	9.20	min



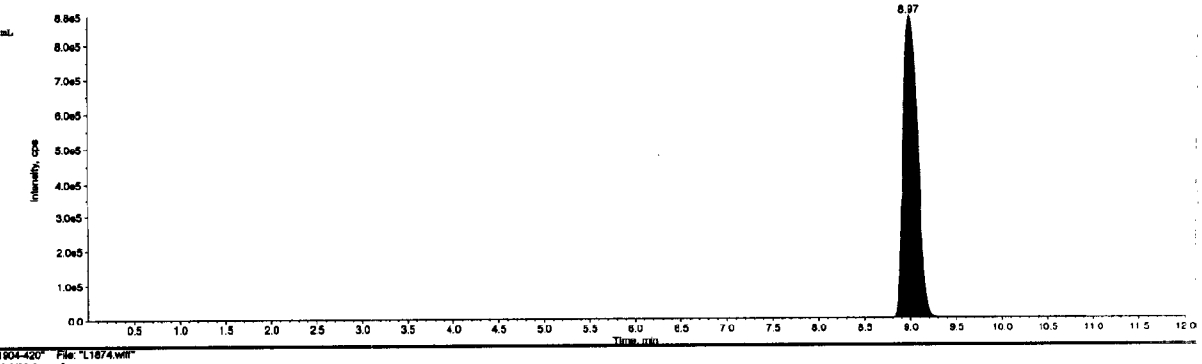
Sample Name: "L1874-1" Sample ID: "021904-418" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "L1874-1" Annotation: ""

Sample Index:	19	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	18268.312	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	08:25:46 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	3.54	cps
Area Threshold:	17.68	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	9.01	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.93	min
Area:	9922612	counts
Height:	9.02e+005	cps
Start Time:	8.76	min
End Time:	9.25	min



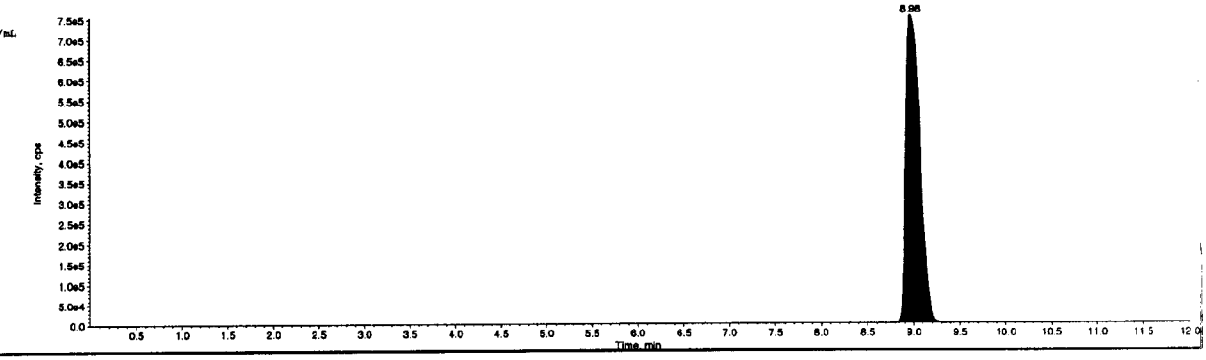
Sample Name: "L1874-1 Rep" Sample ID: "021904-419" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "L1874-1 Rep" Annotation: ""

Sample Index:	20	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	18081.530	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	08:46:45 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	3.54	cps
Area Threshold:	17.68	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	9.01	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.98	min
Area:	9821166	counts
Height:	8.83e+005	cps
Start Time:	8.80	min
End Time:	9.30	min



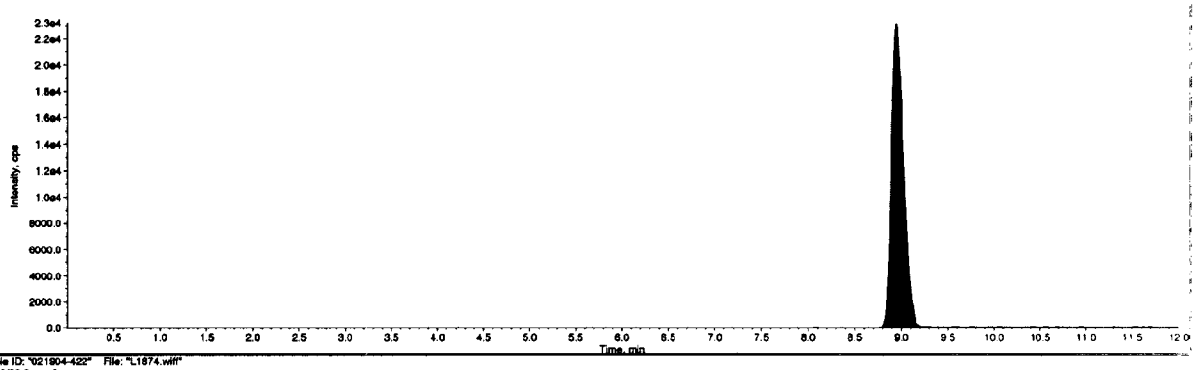
Sample Name: "L1874-2" Sample ID: "021904-420" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "L1874-2" Annotation: ""

Sample Index:	21	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	15619.509	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	09:07:45 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	3.54	cps
Area Threshold:	17.68	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	9.01	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.98	min
Area:	8483987	counts
Height:	7.55e+005	cps
Start Time:	8.81	min
End Time:	9.30	min



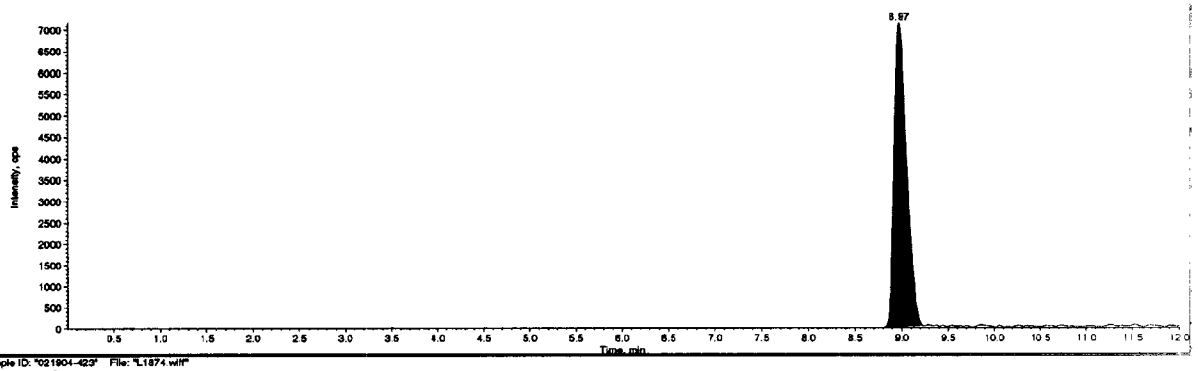
Sample Name: "L1874-3 DF = 100" Sample ID: "021904-421" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "L1874-3 DF = 100" Annotation: ""

Sample Index:	22	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	403.703	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	09:28:48 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	3.54	cps
Area Threshold:	17.68	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	9.01	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Base To Base	
Retention Time:	8.94	min
Area:	219940	counts
Height:	2.32e+004	cps
Start Time:	8.76	min
End Time:	9.27	min



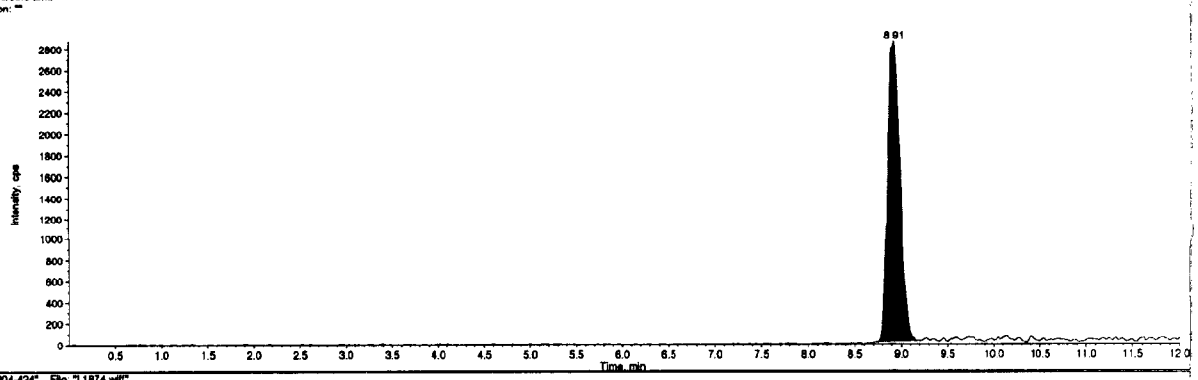
Sample Name: "L1874-4 DF = 1000" Sample ID: "021904-422" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "L1874-4 DF = 1000" Annotation: ""

Sample Index:	23	
Sample Type:	QC	
Concentration:	100.000	ng/mL
Calculated Conc:	126.095	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	09:49:47 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	3.54	cps
Area Threshold:	17.68	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	9.01	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.97	min
Area:	69166	counts
Height:	7.15e+003	cps
Start Time:	8.80	min
End Time:	9.24	min



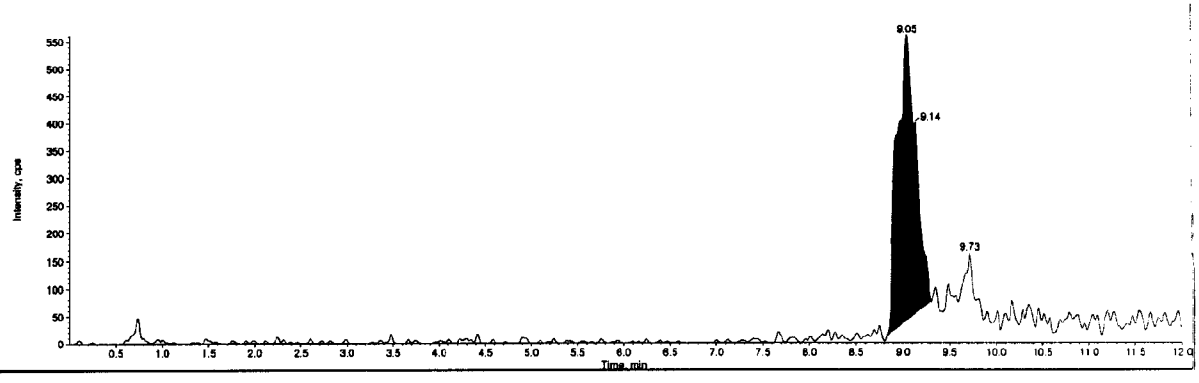
Sample Name: "XC021004-2, 50 ng/L" Sample ID: "021904-423" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "XC021004-2, 50 ng/L" Annotation: ""

Sample Index:	24	
Sample Type:	Standard	
Concentration:	50.000	ng/mL
Calculated Conc:	49.286	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	10:10:46 AM	
Modified:	No	
Bunching Factor:	1	
Noise Threshold:	3.54	cps
Area Threshold:	17.68	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	9.01	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Base To Base	
Retention Time:	8.91	min
Area:	27449	counts
Height:	2.85e+003	cps
Start Time:	8.75	min
End Time:	9.17	min



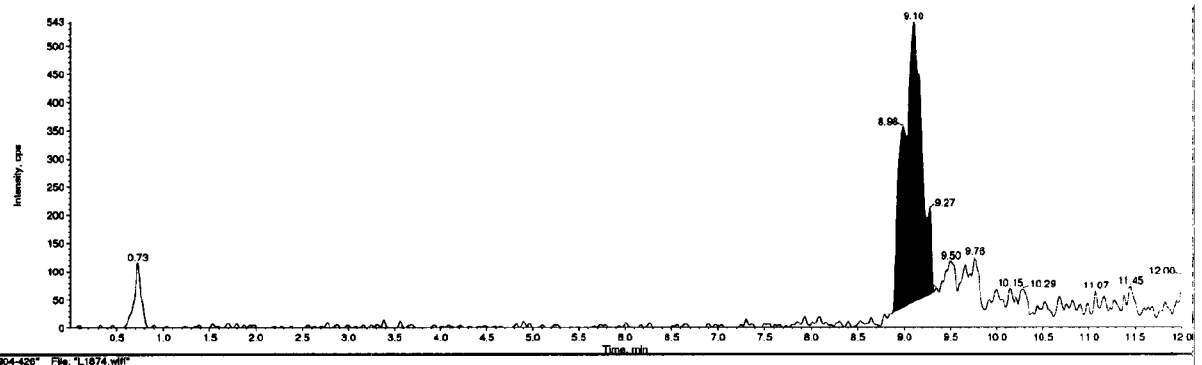
Sample Name: "L1874-5" Sample ID: "021904-424" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "L1874-5" Annotation: ""

Sample Index:	25	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	12.428	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	10:31:45 AM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	3.54	cps
Area Threshold:	17.68	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	9.01	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	9.05	min
Area:	7430	counts
Height:	5.19e+002	cps
Start Time:	8.82	min
End Time:	9.31	min



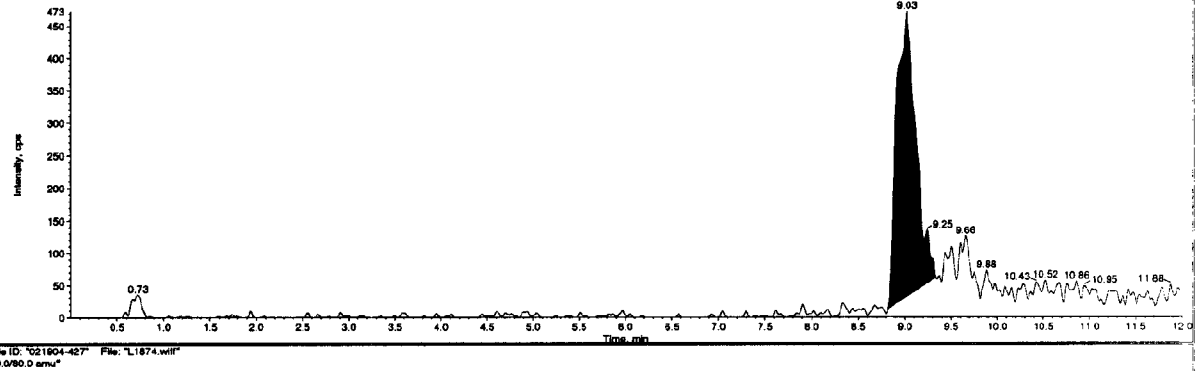
Sample Name: "L1874-5 Rep" Sample ID: "021904-425" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "L1874-5 Rep" Annotation: ""

Sample Index:	26
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	11.877 ng/mL
Acq. Date:	02/20/04
Acq. Time:	10:52:45 AM
Modified:	Yes
Bunching Factor:	1
Noise Threshold:	3.54 cps
Area Threshold:	17.68 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	9.01 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Manual
Retention Time:	9.10 min
Area:	7131 counts
Height:	4.98e+002 cps
Start Time:	8.86 min
End Time:	9.32 min



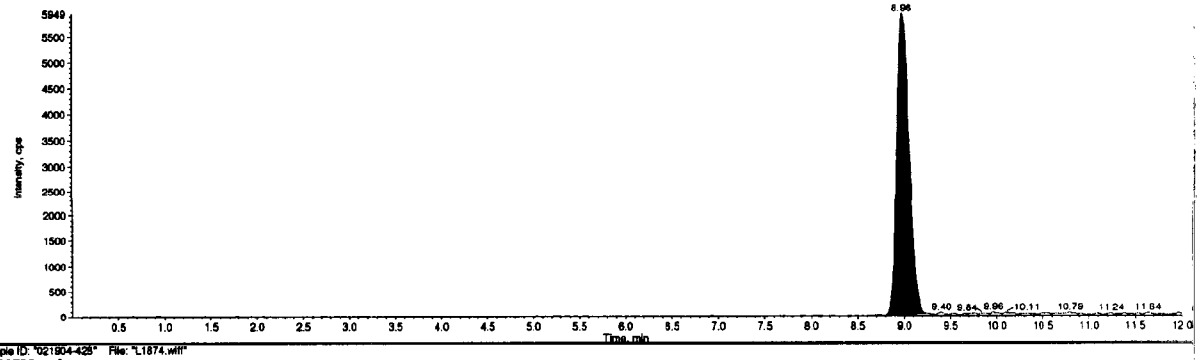
Sample Name: "L1874-6" Sample ID: "021904-426" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "L1874-6" Annotation: ""

Sample Index:	27
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	10.958 ng/mL
Acq. Date:	02/20/04
Acq. Time:	11:13:46 AM
Modified:	Yes
Bunching Factor:	1
Noise Threshold:	3.54 cps
Area Threshold:	17.68 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	9.01 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Manual
Retention Time:	9.02 min
Area:	6632 counts
Height:	4.42e+002 cps
Start Time:	8.82 min
End Time:	9.35 min



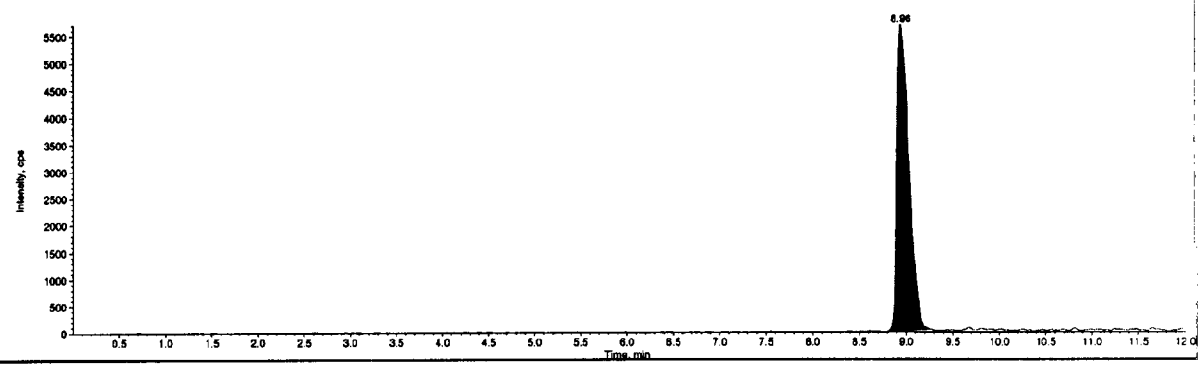
Sample Name: "L1874-7 DF = 100" Sample ID: "021904-427" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "L1874-7 DF = 100" Annotation: ""

Sample Index:	28
Sample Type:	QC
Concentration:	100.000 ng/mL
Calculated Conc:	102.789 ng/mL
Acq. Date:	02/20/04
Acq. Time:	11:34:47 AM
Modified:	No
Bunching Factor:	1
Noise Threshold:	3.54 cps
Area Threshold:	17.68 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	9.01 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	8.96 min
Area:	56508 counts
Height:	5.94e+003 cps
Start Time:	8.78 min
End Time:	9.24 min



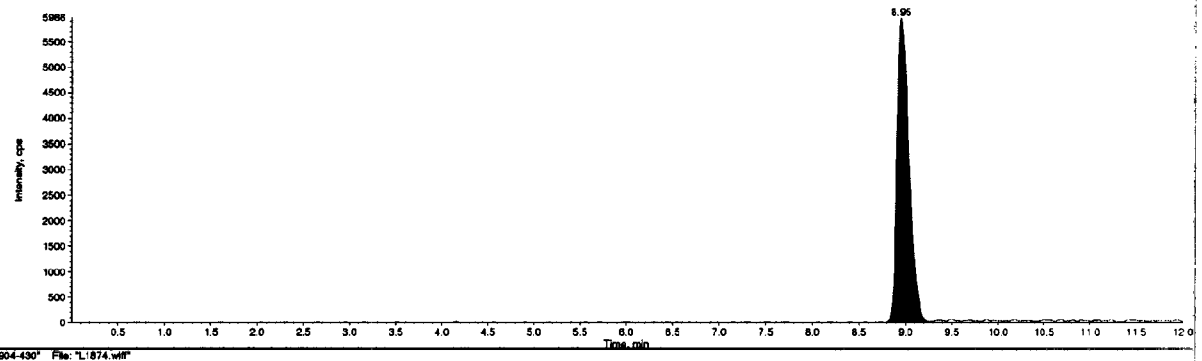
Sample Name: "L1874-8 DF = 1000" Sample ID: "021904-428" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "L1874-8 DF = 1000" Annotation: ""

Sample Index:	29
Sample Type:	QC
Concentration:	100.000 ng/mL
Calculated Conc:	95.680 ng/mL
Acq. Date:	02/20/04
Acq. Time:	11:55:47 AM
Modified:	No
Bunching Factor:	1
Noise Threshold:	3.54 cps
Area Threshold:	17.68 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	9.01 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	8.95 min
Area:	52646 counts
Height:	5.70e+003 cps
Start Time:	8.79 min
End Time:	9.27 min



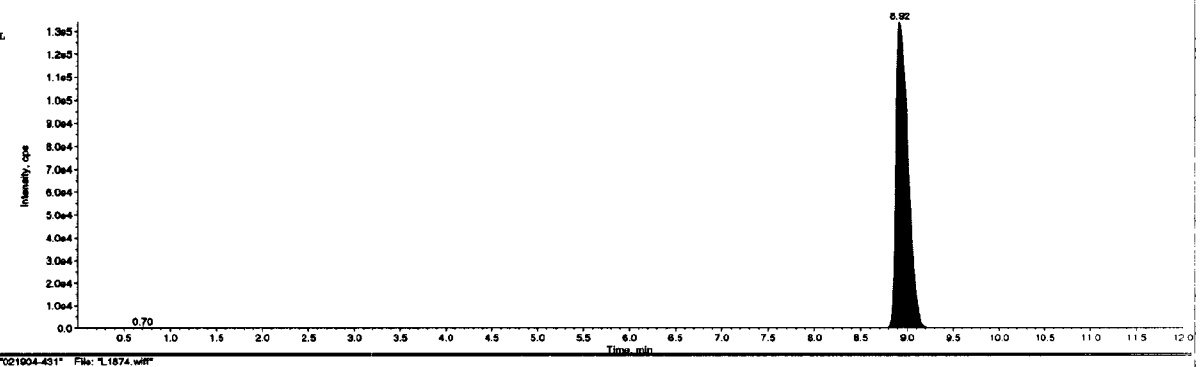
Sample Name: "XC021004-3, 100 ng/L" Sample ID: "021904-429" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "XC021004-3, 100 ng/L" Annotation: ""

Sample Index:	30	
Sample Type:	Standard	
Concentration:	100.000	ng/mL
Calculated Conc:	100.738	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	12:16:46 PM	
Modified:	No	
Smoothing Factor:	1	
Noise Threshold:	3.54	cps
Area Threshold:	17.68	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	9.01	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Valley	
Retention Time:	8.95	min
Area:	55393	counts
Height:	5.98e+003	cps
Start Time:	8.79	min
End Time:	9.27	min



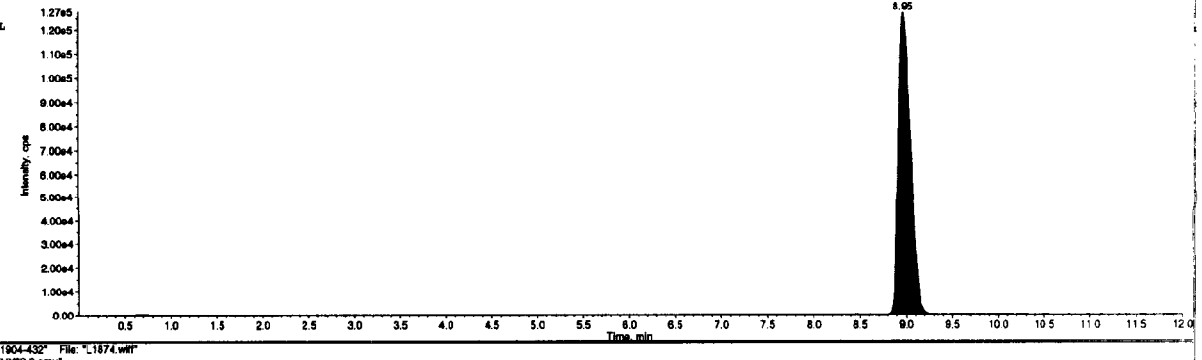
Sample Name: "L1874-9" Sample ID: "021904-430" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "L1874-9" Annotation: ""

Sample Index:	31	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	2324.270	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	12:37:45 PM	
Modified:	Yes	
Smoothing Factor:	1	
Noise Threshold:	3.54	cps
Area Threshold:	17.68	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	9.01	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.92	min
Area:	1263044	counts
Height:	1.34e+005	cps
Start Time:	8.77	min
End Time:	9.26	min



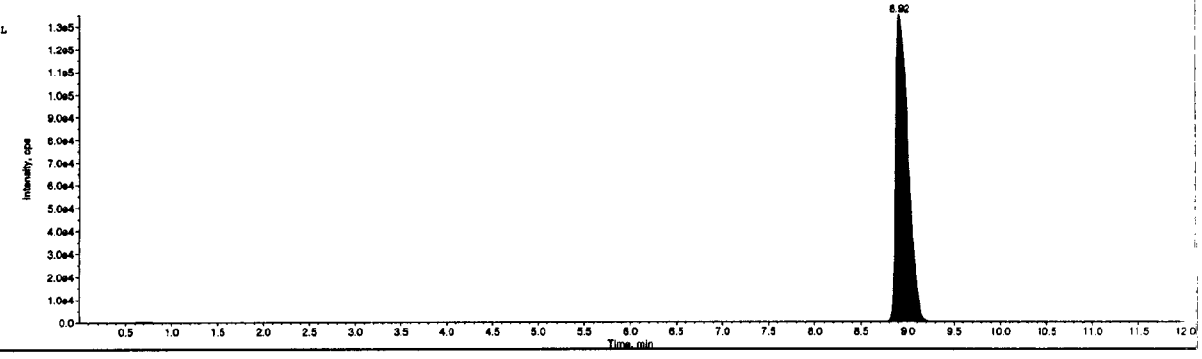
Sample Name: "L1874-9 Rep" Sample ID: "021904-431" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "L1874-9 Rep" Annotation: ""

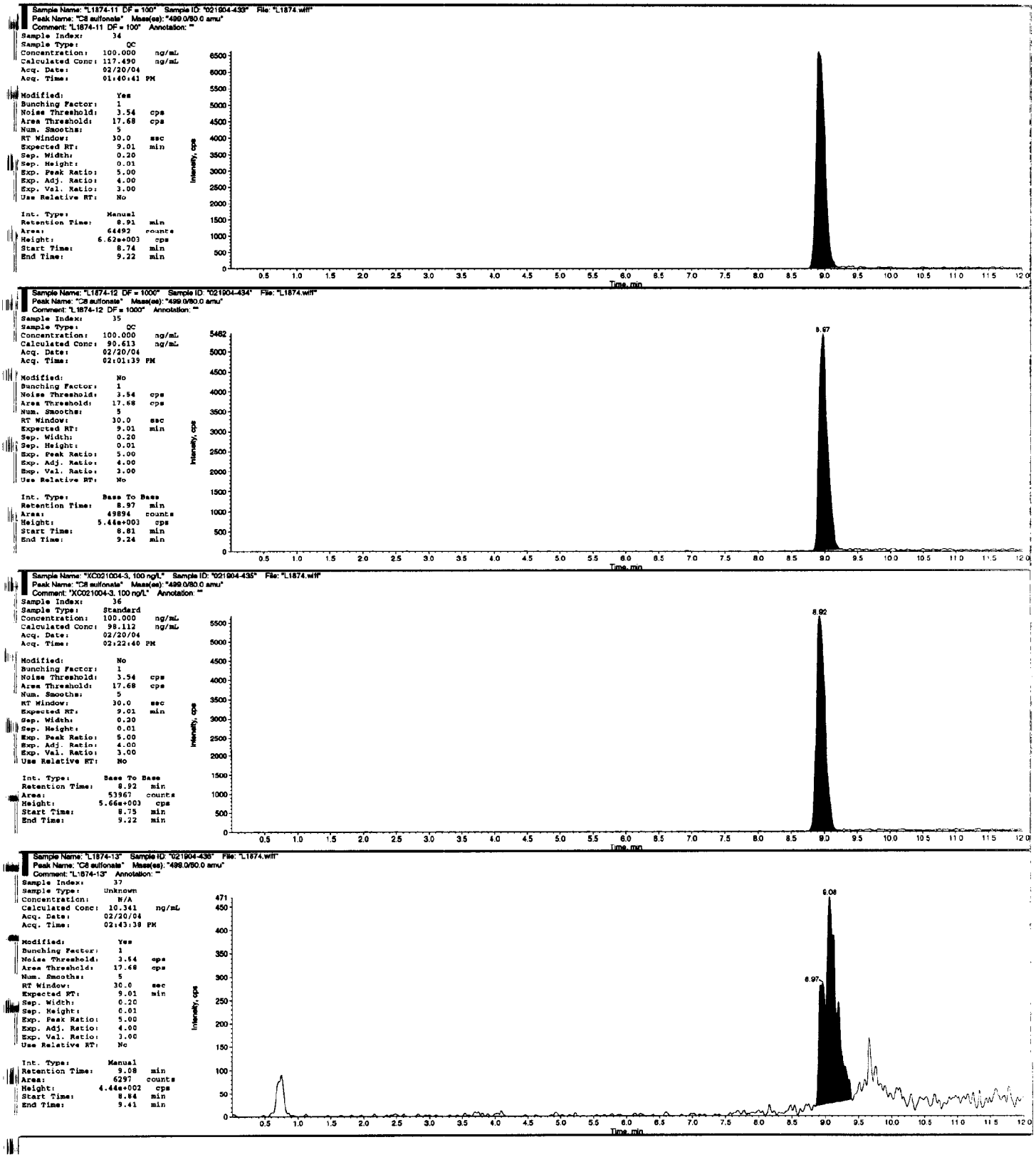
Sample Index:	32	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	2234.242	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	12:58:44 PM	
Modified:	Yes	
Smoothing Factor:	1	
Noise Threshold:	3.54	cps
Area Threshold:	17.68	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	9.01	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.95	min
Area:	1214148	counts
Height:	1.27e+005	cps
Start Time:	8.79	min
End Time:	9.30	min

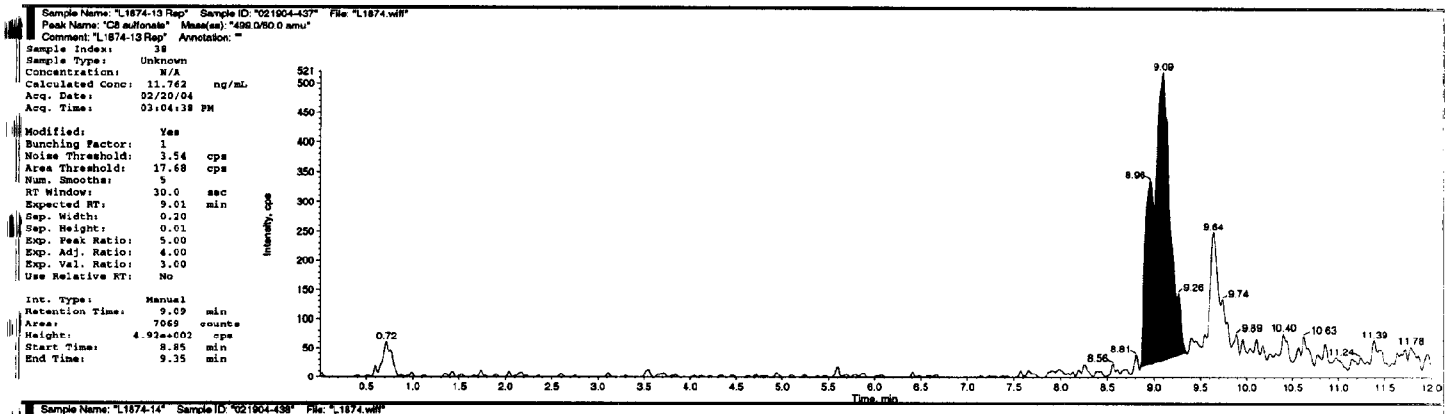


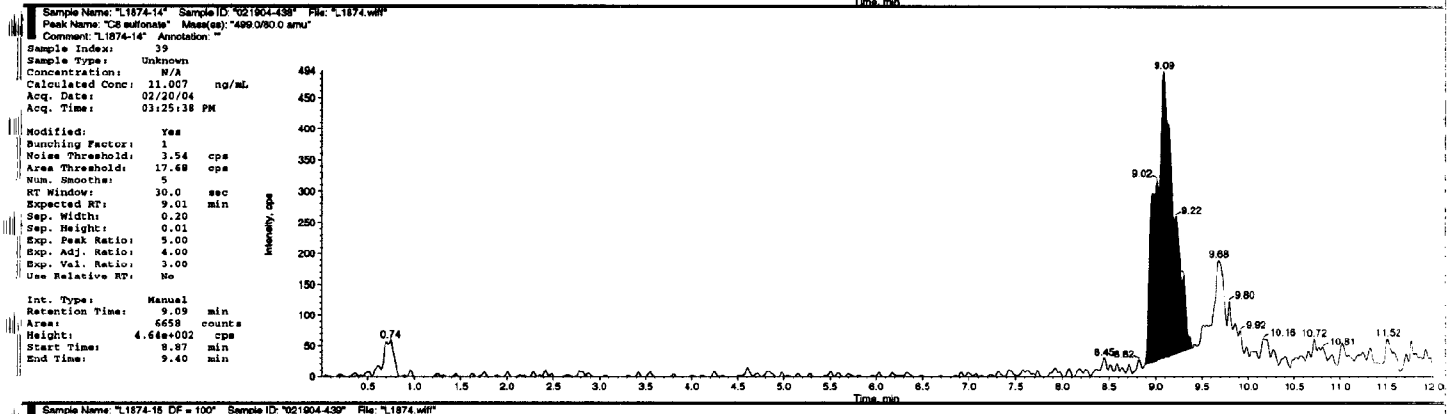
Sample Name: "L1874-10" Sample ID: "021904-432" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "L1874-10" Annotation: ""

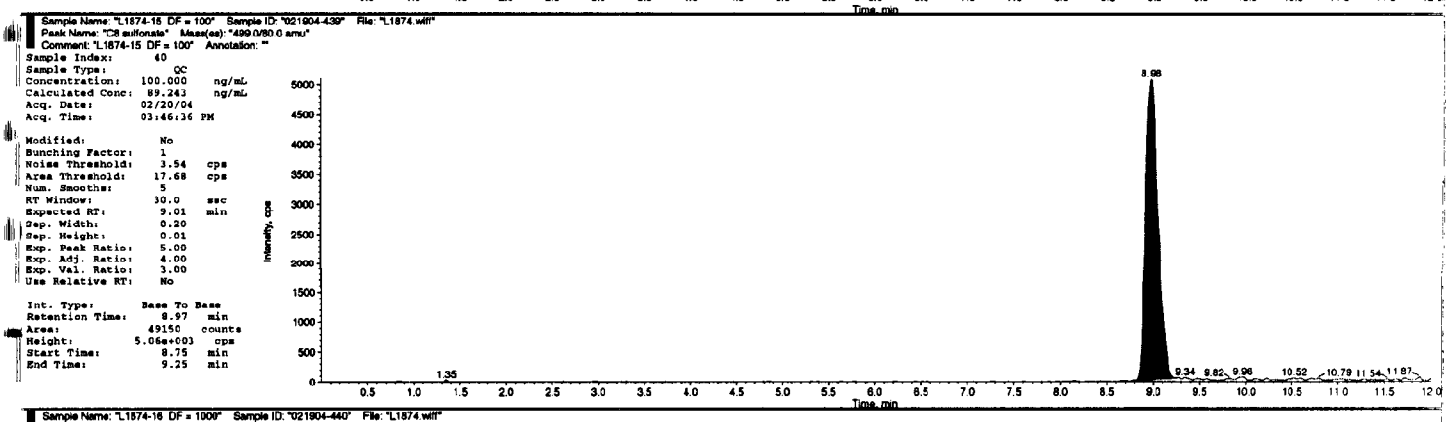
Sample Index:	33	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	2373.497	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	01:19:42 PM	
Modified:	Yes	
Smoothing Factor:	1	
Noise Threshold:	3.54	cps
Area Threshold:	17.68	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	9.01	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.92	min
Area:	1289780	counts
Height:	1.35e+005	cps
Start Time:	8.76	min
End Time:	9.26	min

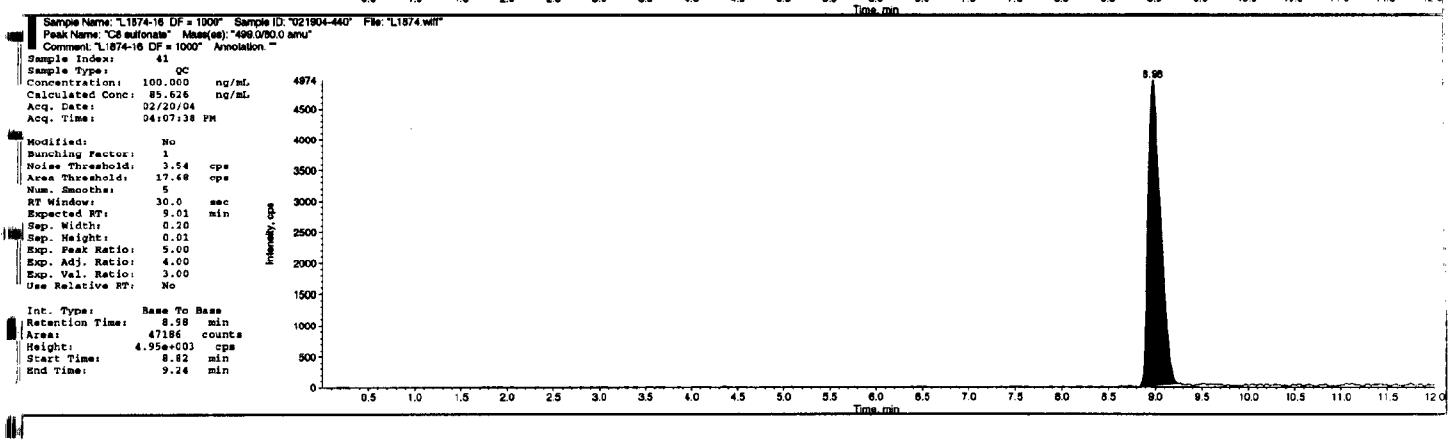



Sample Name: "L1874-11 DF = 100" Sample ID: "021904-433" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "L1874-11 DF = 100" Annotation: ""
Sample Index: 34
Sample Type: QC
Concentration: 100.000 ng/mL
Calculated Conc: 117.490 ng/mL
Acq. Date: 02/20/04
Acq. Time: 01:40:41 PM
Modified: Yes
Bunching Factor: 1
Noise Threshold: 3.54 cps
Area Threshold: 17.68 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 9.01 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Manual
Retention Time: 8.91 min
Area: 64492 counts
Height: 6.62e+003 cps
Start Time: 8.74 min
End Time: 9.22 min
Intensity, cps
Time, min
Sample Name: "L1874-12 DF = 1000" Sample ID: "021904-434" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "L1874-12 DF = 1000" Annotation: ""
Sample Index: 35
Sample Type: QC
Concentration: 100.000 ng/mL
Calculated Conc: 90.613 ng/mL
Acq. Date: 02/20/04
Acq. Time: 02:01:39 PM
Modified: No
Bunching Factor: 1
Noise Threshold: 3.54 cps
Area Threshold: 17.68 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 9.01 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Base To Base
Retention Time: 8.97 min
Area: 49894 counts
Height: 5.44e+003 cps
Start Time: 8.81 min
End Time: 9.24 min
8.97
Intensity, cps
Time, min
Sample Name: "XC021004-3, 100 ng/L" Sample ID: "021904-435" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "XC021004-3, 100 ng/L" Annotation: ""
Sample Index: 36
Sample Type: Standard
Concentration: 100.000 ng/mL
Calculated Conc: 98.112 ng/mL
Acq. Date: 02/20/04
Acq. Time: 02:22:40 PM
Modified: No
Bunching Factor: 1
Noise Threshold: 3.54 cps
Area Threshold: 17.68 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 9.01 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Base To Base
Retention Time: 8.92 min
Area: 53967 counts
Height: 5.66e+003 cps
Start Time: 8.75 min
End Time: 9.22 min
8.92
Intensity, cps
Time, min
Sample Name: "L1874-13" Sample ID: "021904-436" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "L1874-13" Annotation: ""
Sample Index: 37
Sample Type: Unknown
Concentration: N/A
Calculated Conc: 10.341 ng/mL
Acq. Date: 02/20/04
Acq. Time: 02:43:38 PM
Modified: Yes
Bunching Factor: 1
Noise Threshold: 3.54 cps
Area Threshold: 17.68 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 9.01 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Manual
Retention Time: 9.08 min
Area: 6297 counts
Height: 4.44e+002 cps
Start Time: 8.84 min
End Time: 9.41 min
9.08
8.97
Intensity, cps
Time, min





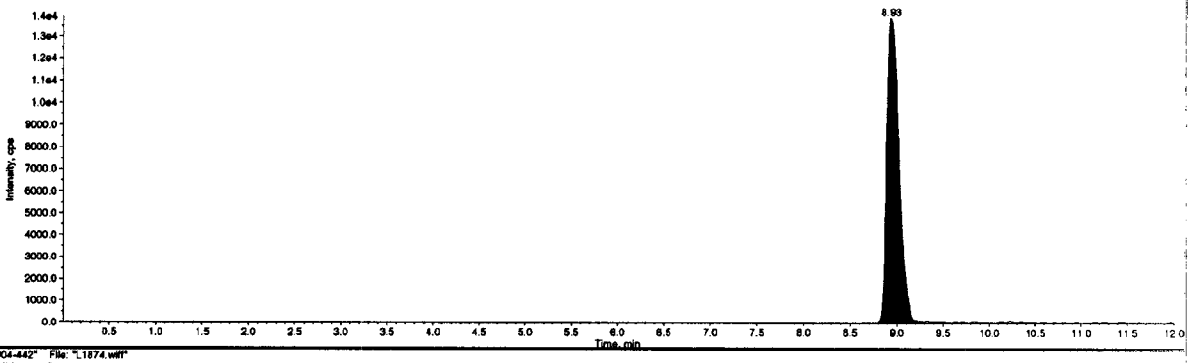




CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

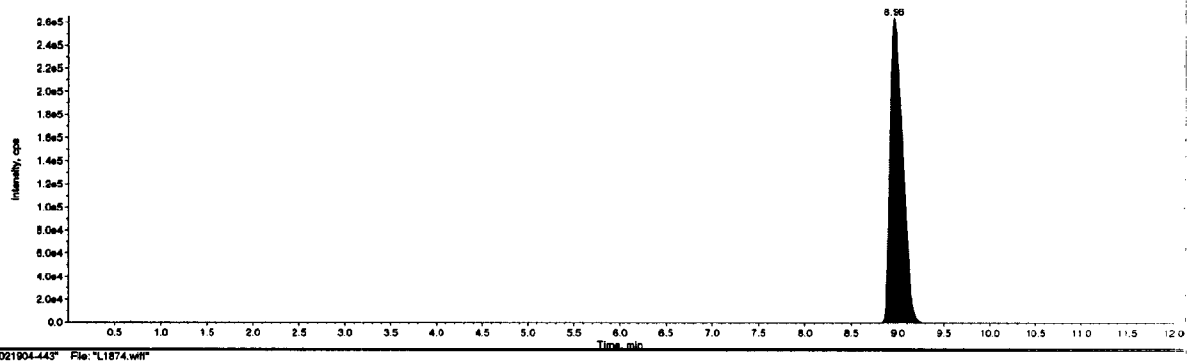
Sample Name: "XC021004-3, 250 ng/L" Sample ID: "021904-441" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "XC021004-3, 250 ng/L" Annotation: ""

Sample Index:	42	
Sample Type:	Standard	
Concentration:	250.000	ng/mL
Calculated Conc:	238.754	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	04:28:37 PM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	3.54	cps
Area Threshold:	17.68	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	9.01	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.93	min
Area:	130353	counts
Height:	1.39e+004	cps
Start Time:	8.80	min
End Time:	9.24	min



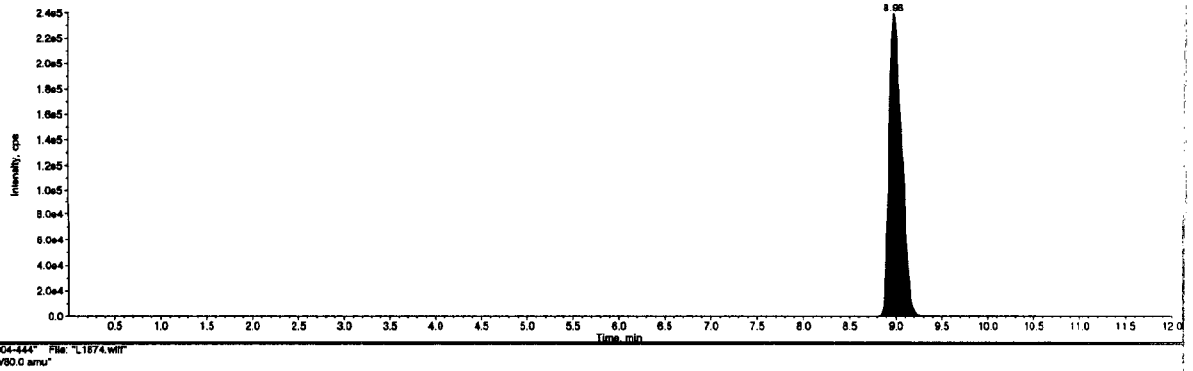
Sample Name: "L1874-17" Sample ID: "021904-442" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "L1874-17" Annotation: ""

Sample Index:	43	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	4734.904	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	04:49:36 PM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	3.54	cps
Area Threshold:	17.68	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	9.01	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.96	min
Area:	2572313	counts
Height:	2.65e+005	cps
Start Time:	8.80	min
End Time:	9.29	min



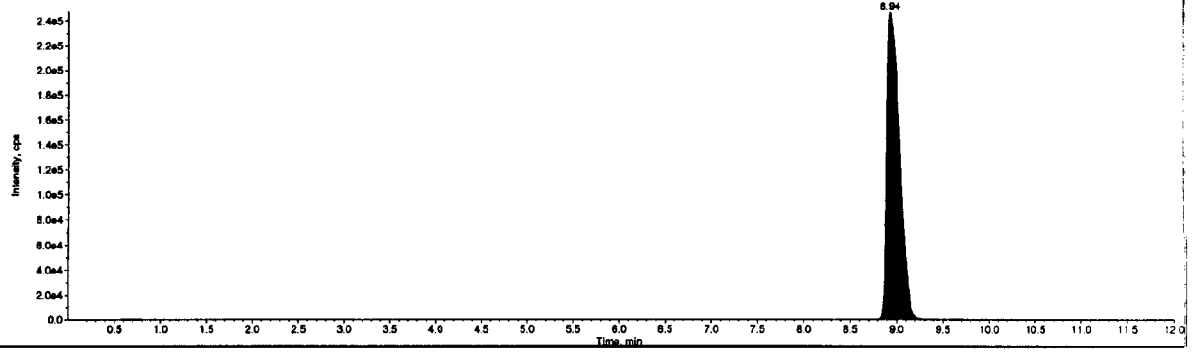
Sample Name: "L1874-17 Rep" Sample ID: "021904-443" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "L1874-17 Rep" Annotation: ""

Sample Index:	44	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	4303.142	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	05:10:34 PM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	3.54	cps
Area Threshold:	17.68	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	9.01	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.96	min
Area:	2337814	counts
Height:	2.41e+005	cps
Start Time:	8.80	min
End Time:	9.32	min



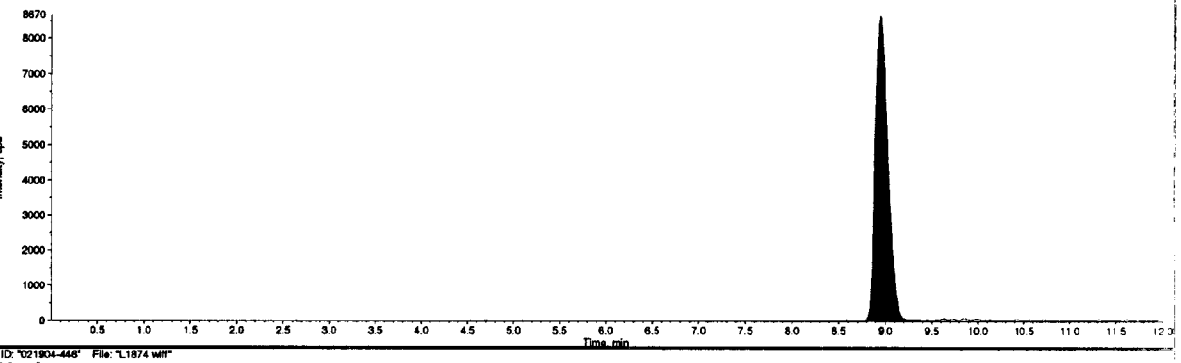
Sample Name: "L1874-18" Sample ID: "021904-444" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "L1874-18" Annotation: ""

Sample Index:	45	
Sample Type:	Unknown	
Concentration:	N/A	
Calculated Conc:	4474.519	ng/mL
Acq. Date:	02/20/04	
Acq. Time:	05:31:36 PM	
Modified:	Yes	
Bunching Factor:	1	
Noise Threshold:	3.54	cps
Area Threshold:	17.68	cps
Num. Smooths:	5	
RT Window:	30.0	sec
Expected RT:	9.01	min
Sep. Width:	0.20	
Sep. Height:	0.01	
Exp. Peak Ratio:	5.00	
Exp. Adj. Ratio:	4.00	
Exp. Val. Ratio:	3.00	
Use Relative RT:	No	
Int. Type:	Manual	
Retention Time:	8.94	min
Area:	2430892	counts
Height:	2.48e+005	cps
Start Time:	8.80	min
End Time:	9.27	min



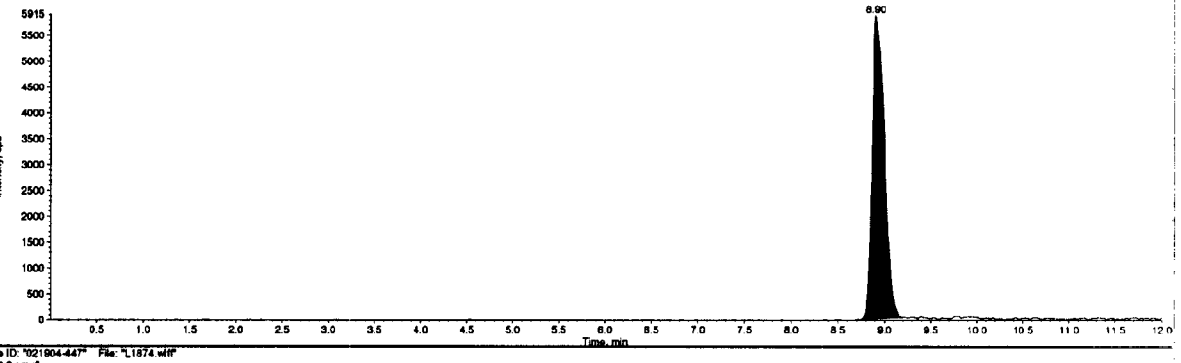
Sample Name: "L1874-19 DF = 100" Sample ID: "021904-445" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "L1874-19 DF = 100" Annotation: ""

Sample Index:	46
Sample Type:	QC
Concentration:	100.000 ng/mL
Calculated Conc:	151.435 ng/mL
Acq. Date:	02/20/04
Acq. Time:	05:52:38 PM
Modified:	No
Bunching Factor:	1
Noise Threshold:	3.54 cps
Area Threshold:	17.68 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	9.01 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	8.94 min
Area:	82928 counts
Height:	8.66e+003 cps
Start Time:	8.75 min
End Time:	9.25 min



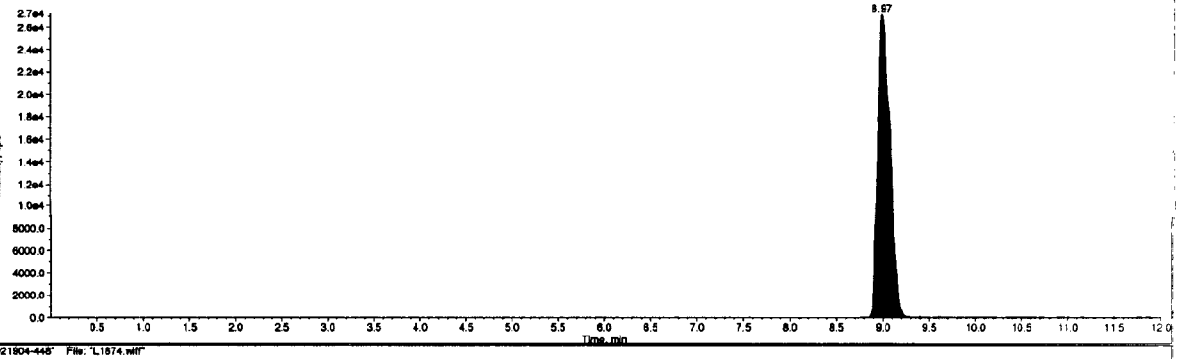
Sample Name: "L1874-20 DF = 1000" Sample ID: "021904-446" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "L1874-20 DF = 1000" Annotation: ""

Sample Index:	47
Sample Type:	QC
Concentration:	100.000 ng/mL
Calculated Conc:	101.880 ng/mL
Acq. Date:	02/20/04
Acq. Time:	06:13:37 PM
Modified:	No
Bunching Factor:	1
Noise Threshold:	3.54 cps
Area Threshold:	17.68 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	9.01 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Base To Base
Retention Time:	8.91 min
Area:	56014 counts
Height:	5.89e+003 cps
Start Time:	8.75 min
End Time:	9.19 min



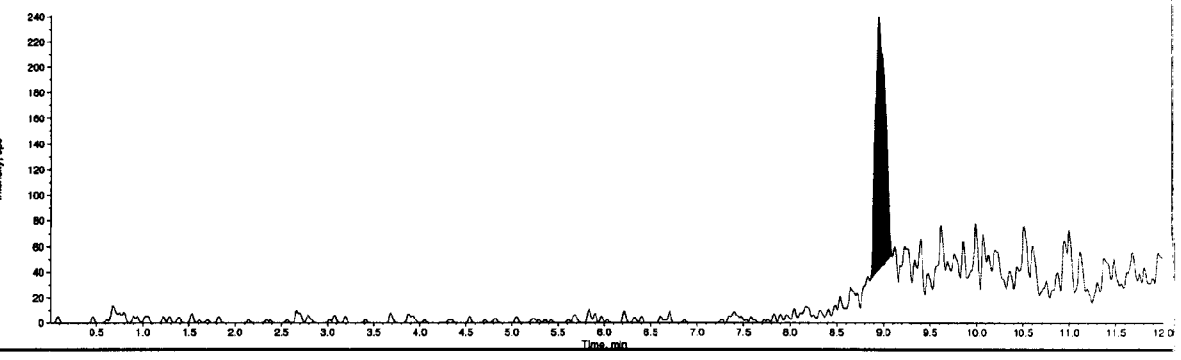
Sample Name: "XC021004-3, 500 ng/L" Sample ID: "021904-447" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "XC021004-3, 500 ng/L" Annotation: ""

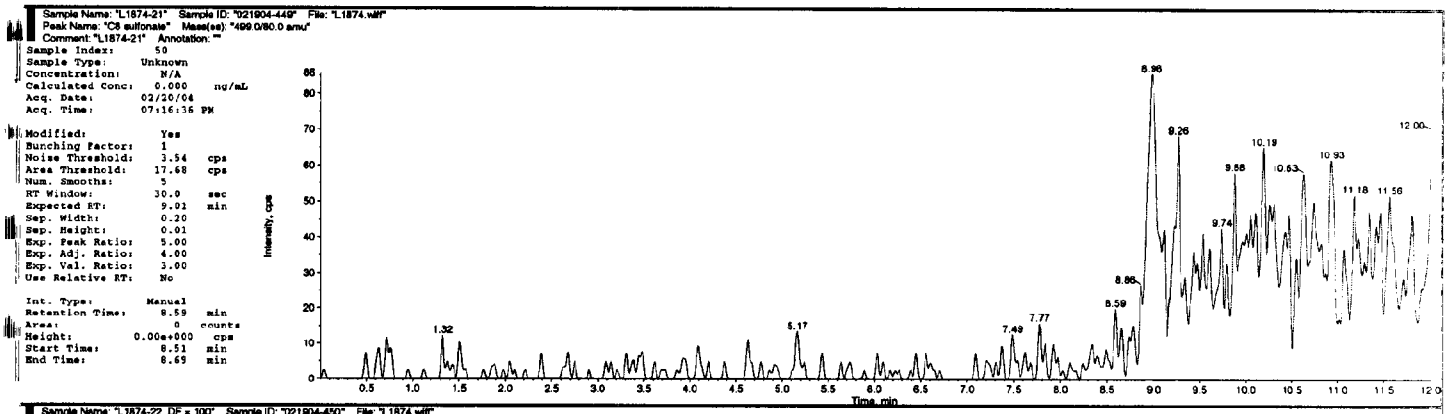
Sample Index:	48
Sample Type:	Standard
Concentration:	500.000 ng/mL
Calculated Conc:	476.208 ng/mL
Acq. Date:	02/20/04
Acq. Time:	06:34:36 PM
Modified:	No
Bunching Factor:	1
Noise Threshold:	3.54 cps
Area Threshold:	17.68 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	9.01 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Valley
Retention Time:	8.98 min
Area:	259320 counts
Height:	2.72e+004 cps
Start Time:	8.82 min
End Time:	9.35 min

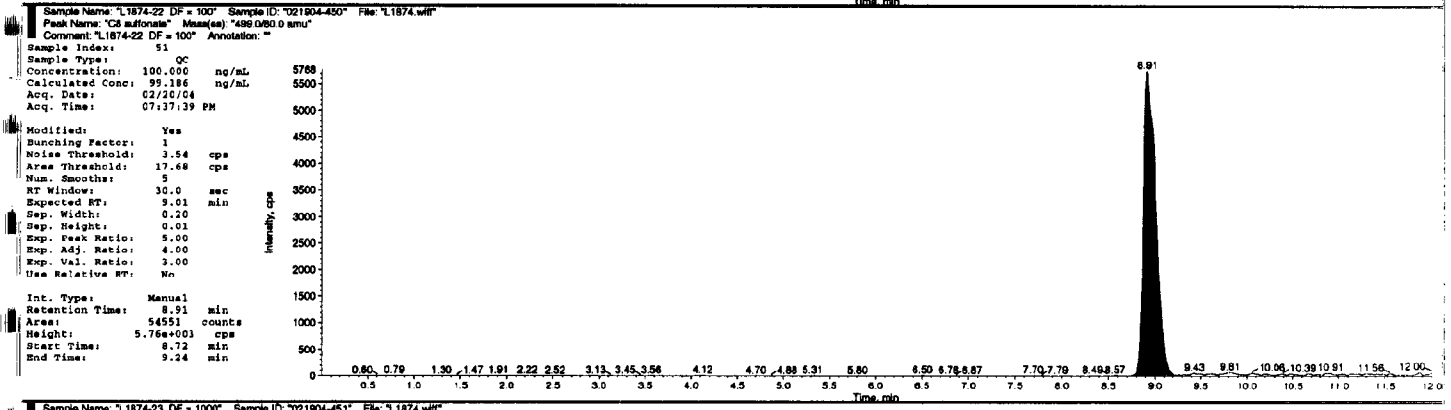


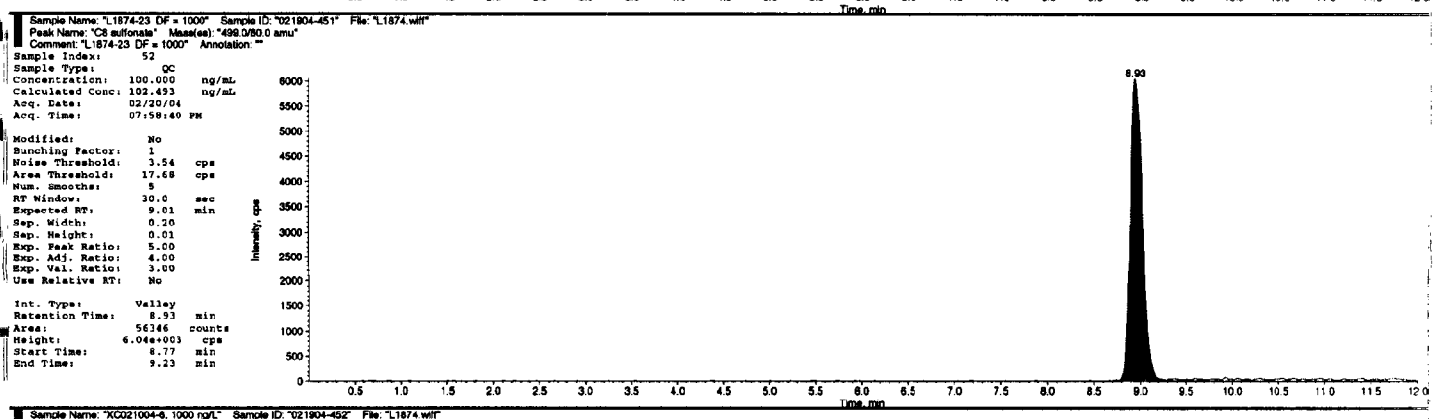
Sample Name: "Methanol Wash" Sample ID: "021904-448" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "Methanol Wash" Annotation: ""

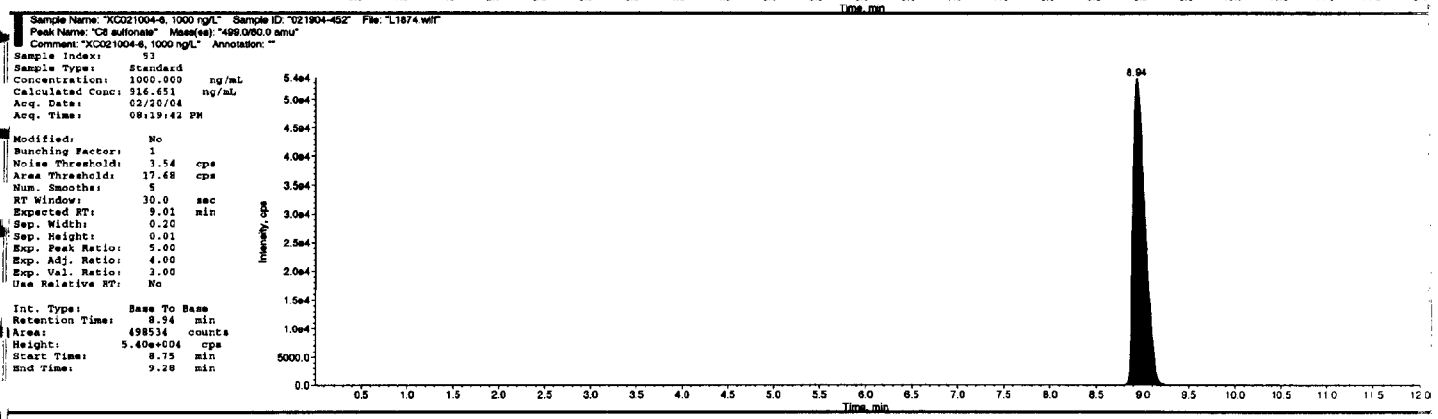
Sample Index:	49
Sample Type:	Unknown
Concentration:	N/A
Calculated Conc:	1.512 ng/mL
Acq. Date:	02/20/04
Acq. Time:	06:55:35 PM
Modified:	Yes
Bunching Factor:	1
Noise Threshold:	3.54 cps
Area Threshold:	17.68 cps
Num. Smooths:	5
RT Window:	30.0 sec
Expected RT:	9.01 min
Sep. Width:	0.20
Sep. Height:	0.01
Exp. Peak Ratio:	5.00
Exp. Adj. Ratio:	4.00
Exp. Val. Ratio:	3.00
Use Relative RT:	No
Int. Type:	Manual
Retention Time:	8.96 min
Area:	1502 counts
Height:	2.00e+002 cps
Start Time:	8.86 min
End Time:	9.10 min




Sample Name: "L1874-21" Sample ID: "021904-449" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "L1874-21" Annotation: ""
Sample Index: 50
Sample Type: Unknown
Concentration: N/A
Calculated Conc: 0.000 ng/mL
Acq. Date: 02/20/04
Acq. Time: 07:16:36 PM
Modified: Yes
Bunching Factor: 1
Noise Threshold: 3.54 cps
Area Threshold: 17.68 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 9.01 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Manual
Retention Time: 8.59 min
Area: 0 counts
Height: 0.00e+000 cps
Start Time: 8.51 min
End Time: 8.69 min
Intensity, cps
Time, min


Sample Name: "L1874-22 DF = 100" Sample ID: "021904-450" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "L1874-22 DF = 100" Annotation: ""
Sample Index: 51
Sample Type: QC
Concentration: 100.000 ng/mL
Calculated Conc: 99.186 ng/mL
Acq. Date: 02/20/04
Acq. Time: 07:37:39 PM
Modified: Yes
Bunching Factor: 1
Noise Threshold: 3.54 cps
Area Threshold: 17.68 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 9.01 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Manual
Retention Time: 8.91 min
Area: 54551 counts
Height: 5.76e+003 cps
Start Time: 8.72 min
End Time: 9.24 min
Intensity, cps
Time, min


Sample Name: "L1874-23 DF = 1000" Sample ID: "021904-451" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "L1874-23 DF = 1000" Annotation: ""
Sample Index: 52
Sample Type: QC
Concentration: 100.000 ng/mL
Calculated Conc: 102.493 ng/mL
Acq. Date: 02/20/04
Acq. Time: 07:58:40 PM
Modified: No
Bunching Factor: 1
Noise Threshold: 3.54 cps
Area Threshold: 17.68 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 9.01 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Valley
Retention Time: 8.93 min
Area: 56346 counts
Height: 6.04e+003 cps
Start Time: 8.77 min
End Time: 9.23 min
Intensity, cps
Time, min


Sample Name: "XC021004-6, 1000 ng/L" Sample ID: "021904-452" File: "L1874.wiff"
Peak Name: "C8 sulfonate" Mass(es): "499.0/80.0 amu"
Comment: "XC021004-6, 1000 ng/L" Annotation: ""
Sample Index: 53
Sample Type: Standard
Concentration: 1000.000 ng/mL
Calculated Conc: 916.651 ng/mL
Acq. Date: 02/20/04
Acq. Time: 08:19:42 PM
Modified: No
Bunching Factor: 1
Noise Threshold: 3.54 cps
Area Threshold: 17.68 cps
Num. Smooths: 5
RT Window: 30.0 sec
Expected RT: 9.01 min
Sep. Width: 0.20
Sep. Height: 0.01
Exp. Peak Ratio: 5.00
Exp. Adj. Ratio: 4.00
Exp. Val. Ratio: 3.00
Use Relative RT: No
Int. Type: Base To Base
Retention Time: 8.94 min
Area: 498534 counts
Height: 5.40e+004 cps
Start Time: 8.75 min
End Time: 9.28 min
Intensity, cps
Time, min

RAW DATA REPORT

Sponsor Study No:	NA	Limit of Quantitation:	50 ppt	Set No:	021804AR
Exygen Study No:	L1874	Injection Volume:	15 µL	Analyst:	Karen Risha
Analyte:	**Perfluorohexanoic Acid**	Matrix:	Water	Instrument Type:	LC/MS/MS Unit # 6
Ions Monitored:	313 -> 269	Sample Volume:	40.0 mL	Extraction Date:	02/18/04
Site:	NA	Final Volume:	5.0 mL	Analyzed on:	03/01-02/04

Exygen ID	Sponsor ID	Sample Code	Run No.	Std. Conc. (ppt)	Dilution Factor	Peak Area	Analyte Found (ppt)	Amount Added (ppt)	Recovery (%)
XC022404-0	-	CS	021804AR-201	0	-	1444	-	-	-
XC022404-1	-	CS	021804AR-202	25	-	9138	-	-	-
XC022404-2	-	CS	021804AR-203	50	-	15958	-	-	-
XC022404-3	-	CS	021804AR-204	100	-	30609	-	-	-
XC022404-4	-	CS	021804AR-205	250	-	77022	-	-	-
XC022404-5	-	CS	021804AR-206	500	-	140756	-	-	-
XC022404-6	-	CS	021804AR-207	1000	-	262457	-	-	-
Methanol Wash	-	C	021804AR-208	-	-	4987	-	-	-
0106020 Control	na	C	021804AR-209	-	1	7288	ND	-	-
0106020 Spk A	na	LCS	021804AR-210	-	1	19747	63.9	50	128
0106020 Spk B	na	LCS	021804AR-211	-	1	156560	594	500	119
L1874-1 Spk C	Influent 3	LF	021804AR-212	-	1000	11633	*	10000	-
L1874-1 Spk C	Influent 3	LF	021804AR-213	-	100	95428	35700	10000	-173
L1874-5 Spk D	Comb Effluent	LF	021804AR-214	-	100	43462	15600	10000	155
L1874-9 Spk E	Port 4A	LF	021804AR-215	-	100	107992	40600	10000	151
L1874-13 Spk F	Effluent 4	LF	021804AR-216	-	100	44006	15800	10000	158
L1874-17 Spk G	Influent 1/2	LF	021804AR-217	-	100	69630	25700	10000	171
XC022404-1	-	CS	021804AR-218	25	-	9490	-	-	-
L1874-1	Influent 3	S	021804AR-219	-	1000	16777	*	-	-
L1874-1 Rep	Influent 3	S	021804AR-220	-	1000	14822	*	-	-
L1874-2	Influent 3 Dup	S	021804AR-221	-	1000	14422	*	-	-
L1874-1	Influent 3	S	021804AR-222	-	100	140040	53000	-	-
L1874-1 Rep	Influent 3	S	021804AR-223	-	100	124693	47100	-	-
L1874-2	Influent 3 Dup	S	021804AR-224	-	100	119813	45200	-	-
L1874-1	Influent 3	S	021804AR-225	-	10	1033206	*	-	-
L1874-1 Rep	Influent 3	S	021804AR-226	-	10	1014366	*	-	-
L1874-2	Influent 3 Dup	S	021804AR-227	-	10	1042865	*	-	-
L1874-3	Influent 3 Low Spk	FF	021804AR-228	-	1000	16653	*	10000	-
L1874-3	Influent 3 Low Spk	FF	021804AR-229	-	100	144063	54600	10000	16
L1874-4	Influent 3 High Spk	FF	021804AR-230	-	1000	43625	156000	100000	103
XC022404-2	-	CS	021804AR-231	50	-	17096	-	-	-
L1874-5	Comb Effluent	S	021804AR-232	-	1	25723	87.1	-	-
L1874-5 Rep	Comb Effluent	S	021804AR-233	-	1	24623	82.8	-	-
L1874-6	Comb Effluent Dup	S	021804AR-234	-	1	22505	74.6	-	-
L1874-7	Comb Effluent Low Spk	FF	021804AR-235	-	100	32042	11200	10000	111
L1874-8	Comb Effluent High Spk	FF	021804AR-236	-	1000	25847	87600	100000	88
XC022404-3	-	CS	021804AR-237	100	-	27633	-	-	-
L1874-9	Port 4A	S	021804AR-238	-	100	69053	25500	-	-
L1874-9 Rep	Port 4A	S	021804AR-239	-	100	71291	26400	-	-
L1874-10	Port 4A Dup	S	021804AR-240	-	100	76099	28200	-	-
L1874-9	Port 4A	S	021804AR-241	-	10	651496	*	-	-
L1874-9 Rep	Port 4A	S	021804AR-242	-	10	602529	*	-	-
L1874-10	Port 4A Dup	S	021804AR-243	-	10	689054	*	-	-
L1874-11	Port 4A Low Spk	FF	021804AR-244	-	100	102583	38500	10000	130
L1874-12	Port 4A High Spk	FF	021804AR-245	-	1000	39803	142000	100000	117
XC022404-3	-	CS	021804AR-246	100	-	31344	-	-	-
L1874-13	Effluent 4	S	021804AR-247	-	1	6971	ND	-	-
L1874-13 Rep	Effluent 4	S	021804AR-248	-	1	5841	ND	-	-
L1874-14	Effluent 4 Dup	S	021804AR-249	-	1	4446	ND	-	-
L1874-15	Effluent 4 Low Spk	FF	021804AR-250	-	100	34104	12000	10000	120
L1874-16	Effluent 4 High Spk	FF	021804AR-251	-	1000	35172	124000	100000	124
XC022404-4	-	CS	021804AR-252	250	-	79535	-	-	-
L1874-17	Influent 1/2	S	021804AR-253	-	200	16529	*	-	-
L1874-17 Rep	Influent 1/2	S	021804AR-254	-	200	14997	*	-	-
L1874-18	Influent 1/2 Dup	S	021804AR-255	-	200	15967	*	-	-
L1874-17	Influent 1/2	S	021804AR-256	-	100	26173	*	-	-
L1874-17 Rep	Influent 1/2	S	021804AR-257	-	100	24139	*	-	-
L1874-18	Influent 1/2 Dup	S	021804AR-258	-	100	23825	*	-	-
L1874-17	Influent 1/2	S	021804AR-259	-	10	224986	8590	-	-
L1874-17 Rep	Influent 1/2	S	021804AR-260	-	10	215831	8240	-	-
L1874-18	Influent 1/2 Dup	S	021804AR-261	-	10	219827	8390	-	-
L1803-19	Influent 1/2 Low Spk	FF	021804AR-262	-	100	53794	19600	10000	110
L1803-20	Influent 1/2 High Spk	FF	021804AR-263	-	1000	33614	118000	100000	109
XC022404-5	-	CS	021804AR-264	500	-	127131	-	-	-
Methanol Wash	-	C	021804AR-265	-	-	5128	-	-	-
L1874-21	Trip Blank	S	021804AR-266	-	1	7884	ND	-	-
L1874-22	Trip Blank Low Spk	FF	021804AR-267	-	100	29404	10100	10000	101
L1874-23	Trip BlankHigh Spk	FF	021804AR-268	-	1000	28825	99100	100000	99
XC022404-6	-	CS	021804AR-269	1000	-	233605	-	-	-

Analyte Found (ppt) = (peak area - intercept) / slope x DF

Recovery (%) = [analyte found (ppt)-analyte found in control (ppt)] x 100 / amount added (ppt)

Standard Curve: Linear (1/x weighted)
Intercept = 3246.64
Slope = 258.118
Coef Of Det = 0.988257

CS = Calibration standard
C = Control sample
S = Sample

LF = Lab fortified sample
FF = Field fortified sample
LCS = Laboratory Control Spike

CK = Check Standard
ND = Not detected = Response between 0 and 25 ppt
NQ = Not quantifiable = Response between 25 ppt and LOQ (50 ppt)

*Sample was analyzed with several dilution factors in the same run. The appropriate dilution is reported.

Spreadsheet prepared by: KR 03/02/04

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

RAW DATA REPORT

Sponsor Study No:	NA	Limit of Quantitation:	50 ppt	Set No:	021804AR
Exygen Study No:	L1874	Injection Volume:	15 µL	Analyst:	Karen Risha
Analyte:	**Perfluorooctanoic Acid**	Matrix:	Water	Instrument Type:	LC/MS/MS Unit # 6
Ions Monitored:	413 -> 369	Sample Volume:	40.0 mL	Extraction Date:	02/18/04
Site:	NA	Final Volume:	5.0 mL	Analyzed on:	03/01-02/04

Exygen ID	Sponsor ID	Sample Code	Run No.	Std. Conc. (ppt)	Dilution Factor	Peak Area	Analyte Found (ppt)	Amount Added (ppt)	Recovery (%)
XC022404-0	-	CS	021804AR-201	0	-	6237	-	-	-
XC022404-1	-	CS	021804AR-202	25	-	14980	-	-	-
XC022404-2	-	CS	021804AR-203	50	-	27297	-	-	-
XC022404-3	-	CS	021804AR-204	100	-	36696	-	-	-
XC022404-4	-	CS	021804AR-205	250	-	71629	-	-	-
XC022404-5	-	CS	021804AR-206	500	-	158954	-	-	-
XC022404-6	-	CS	021804AR-207	1000	-	279485	-	-	-
Methanol Wash	-	C	021804AR-208	-	-	3396	-	-	-
0106020 Control	na	C	021804AR-209	-	1	3784	ND	-	-
0106020 Spk A	na	LCS	021804AR-210	-	1	19267	44.8	50	90
0106020 Spk B	na	LCS	021804AR-211	-	1	150798	530	500	106
L1874-1 Spk C	Influent 3	LF	021804AR-212	-	1000	58403	189000	10000	-890
L1874-1 Spk C	Influent 3	LF	021804AR-213	-	100	485292	*	10000	-
L1874-5 Spk D	Comb Effluent	LF	021804AR-214	-	100	38268	11500	10000	115
L1874-9 Spk E	Port 4A	LF	021804AR-215	-	100	56651	18300	10000	109
L1874-13 Spk F	Effluent 4	LF	021804AR-216	-	100	39039	11800	10000	118
L1874-17 Spk G	Influent 1/2	LF	021804AR-217	-	100	78828	26500	10000	130
XC022404-1	-	CS	021804AR-218	25	-	10218	-	-	-
L1874-1	Influent 3	S	021804AR-219	-	1000	82611	278000	-	-
L1874-1 Rep	Influent 3	S	021804AR-220	-	1000	83304	281000	-	-
L1874-2	Influent 3 Dup	S	021804AR-221	-	1000	79997	269000	-	-
L1874-1	Influent 3	S	021804AR-222	-	100	861773	*	-	-
L1874-1 Rep	Influent 3	S	021804AR-223	-	100	795457	*	-	-
L1874-2	Influent 3 Dup	S	021804AR-224	-	100	723536	*	-	-
L1874-1	Influent 3	S	021804AR-225	-	10	6495789	*	-	-
L1874-1 Rep	Influent 3	S	021804AR-226	-	10	6209222	278000	-	-
L1874-2	Influent 3 Dup	S	021804AR-227	-	10	6243043	*	-	-
L1874-3	Influent 3 Low Spk	FF	021804AR-228	-	1000	81974	276000	10000	-20
L1874-3	Influent 3 Low Spk	FF	021804AR-229	-	100	709181	*	10000	-
L1874-4	Influent 3 High Spk	FF	021804AR-230	-	1000	107195	369000	100000	91
XC022404-2	-	CS	021804AR-231	50	-	23931	-	-	-
L1874-5	Comb Effluent	S	021804AR-232	-	1	1970	ND	-	-
L1874-5 Rep	Comb Effluent	S	021804AR-233	-	1	2272	ND	-	-
L1874-6	Comb Effluent Dup	S	021804AR-234	-	1	2524	ND	-	-
L1874-7	Comb Effluent Low Spk	FF	021804AR-235	-	100	32558	9380	10000	94
L1874-8	Comb Effluent High Spk	FF	021804AR-236	-	1000	26613	71900	100000	72
XC022404-3	-	CS	021804AR-237	100	-	29987	-	-	-
L1874-9	Port 4A	S	021804AR-238	-	100	21378	*	-	-
L1874-9 Rep	Port 4A	S	021804AR-239	-	100	21361	*	-	-
L1874-10	Port 4A Dup	S	021804AR-240	-	100	26837	*	-	-
L1874-9	Port 4A	S	021804AR-241	-	10	207218	7380	-	-
L1874-9 Rep	Port 4A	S	021804AR-242	-	10	191837	6810	-	-
L1874-10	Port 4A Dup	S	021804AR-243	-	10	235144	8410	-	-
L1874-11	Port 4A Low Spk	FF	021804AR-244	-	100	52595	16800	10000	94
L1874-12	Port 4A High Spk	FF	021804AR-245	-	1000	31661	90500	100000	83
XC022404-3	-	CS	021804AR-246	100	-	32987	-	-	-
L1874-13	Effluent 4	S	021804AR-247	-	1	1788	ND	-	-
L1874-13 Rep	Effluent 4	S	021804AR-248	-	1	1501	ND	-	-
L1874-14	Effluent 4 Dup	S	021804AR-249	-	1	1501	ND	-	-
L1874-15	Effluent 4 Low Spk	FF	021804AR-250	-	100	34099	9950	10000	100
L1874-16	Effluent 4 High Spk	FF	021804AR-251	-	1000	35496	105000	100000	105
XC022404-4	-	CS	021804AR-252	250	-	70306	-	-	-
L1874-17	Influent 1/2	S	021804AR-253	-	200	27847	*	-	-
L1874-17 Rep	Influent 1/2	S	021804AR-254	-	200	23361	*	-	-
L1874-18	Influent 1/2 Dup	S	021804AR-255	-	200	21940	*	-	-
L1874-17	Influent 1/2	S	021804AR-256	-	100	43730	13500	-	-
L1874-17 Rep	Influent 1/2	S	021804AR-257	-	100	38364	11500	-	-
L1874-18	Influent 1/2 Dup	S	021804AR-258	-	100	40249	12200	-	-
L1874-17	Influent 1/2	S	021804AR-259	-	10	395759	*	-	-
L1874-17 Rep	Influent 1/2	S	021804AR-260	-	10	360382	*	-	-
L1874-18	Influent 1/2 Dup	S	021804AR-261	-	10	383645	*	-	-
L1803-19	Influent 1/2 Low Spk	FF	021804AR-262	-	100	66438	21900	10000	84
L1803-20	Influent 1/2 High Spk	FF	021804AR-263	-	1000	32655	94100	100000	81
XC022404-5	-	CS	021804AR-264	500	-	128762	-	-	-
Methanol Wash	-	C	021804AR-265	-	-	2111	-	-	-
L1874-21	Trip Blank	S	021804AR-266	-	1	3015	ND	-	-
L1874-22	Trip Blank Low Spk	FF	021804AR-267	-	100	28344	7820	10000	78
L1874-23	Trip Blank High Spk	FF	021804AR-268	-	1000	29241	81600	100000	82
XC022404-6	-	CS	021804AR-269	1000	-	223900	-	-	-

Analyte Found (ppt) = (peak area - intercept) / slope x DF

Recovery (%) = $\frac{\text{[analyte found (ppt)-analyte found in control (ppt)] x 100}}{\text{amount added (ppt)}}$

Standard Curve - Linear (1/x weighted)
Intercept = 7136.83
Slope = 271.048
Coef. Of Det. = 0.992051

CS = Calibration standard
C = Control sample
S = Sample

LF = Lab fortified sample
FF = Field fortified sample
LCS = Laboratory Control Spike

CK = Check Standard
ND = Not detected = Response between 0 and 25 ppt
NQ = Not quantifiable = Response between 25 ppt and LOQ (50 ppt)

*Sample was analyzed with several dilution factors in the same run. The appropriate dilution is reported.

Spreadsheet prepared by: KR 03/02/04

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

RAW DATA REPORT

Sponsor Study No:	NA	Limit of Quantitation:	50 ppt	Set No:	021804AR
Exygen Study No:	L1874	Injection Volume:	15 µL	Analyst:	Karen Risha
Analyte:	Perfluorobutanesulfonate	Matrix:	Water	Instrument Type:	LC/MS/MS Unit # 6
Ions Monitored:	299 -> 99	Sample Volume:	40.0 mL	Extraction Date:	02/18/04
Site:	NA	Final Volume:	5.0 mL	Analyzed on:	03/01-02/04

Exygen ID	Sponsor ID	Sample Code	Run No.	Std. Conc. (ppt)	Dilution Factor	Peak Area	Analyte Found (ppt)	Amount Added (ppt)	Recovery (%)
XC022404-0	-	CS	021804AR-201	0	-	0	-	-	-
XC022404-1	-	CS	021804AR-202	25	-	328	-	-	-
XC022404-2	-	CS	021804AR-203	50	-	230	-	-	-
XC022404-3	-	CS	021804AR-204	100	-	697	-	-	-
XC022404-4	-	CS	021804AR-205	250	-	3162	-	-	-
XC022404-5	-	CS	021804AR-206	500	-	5454	-	-	-
XC022404-6	-	CS	021804AR-207	1000	-	10926	-	-	-
Methanol Wash	-	C	021804AR-208	-	-	0	-	-	-
0106020 Control	na	C	021804AR-209	-	1	0	ND	-	-
0106020 Spk A	na	LCS	021804AR-210	-	1	459	49.4	50	99
0106020 Spk B	na	LCS	021804AR-211	-	1	6182	589	500	118
L1874-1 Spk C	Influent 3	LF	021804AR-212	-	1000	460	*	10000	-
L1874-1 Spk C	Influent 3	LF	021804AR-213	-	100	4106	39300	10000	-473
L1874-5 Spk D	Comb Effluent	LF	021804AR-214	-	100	1543	15200	10000	151
L1874-9 Spk E	Port 4A	LF	021804AR-215	-	100	8923	84700	10000	147
L1874-13 Spk F	Effluent 4	LF	021804AR-216	-	100	1499	14700	10000	147
L1874-17 Spk G	Influent 1/2	LF	021804AR-217	-	100	16874	160000	10000	150
XC022404-1	-	CS	021804AR-218	25	-	283	-	-	-
L1874-1	Influent 3	S	021804AR-219	-	1000	725	*	-	-
L1874-1 Rep	Influent 3	S	021804AR 220	-	1000	558	*	-	-
L1874-2	Influent 3 Dup	S	021804AR-221	-	1000	828	*	-	-
L1874-1	Influent 3	S	021804AR-222	-	100	9129	86600	-	-
L1874-1 Rep	Influent 3	S	021804AR-223	-	100	7920	75200	-	-
L1874-2	Influent 3 Dup	S	021804AR-224	-	100	7052	67100	-	-
L1874-1	Influent 3	S	021804AR-225	-	10	77736	*	-	-
L1874-1 Rep	Influent 3	S	021804AR-226	-	10	76627	*	-	-
L1874-2	Influent 3 Dup	S	021804AR-227	-	10	75336	*	-	-
L1874-3	Influent 3 Low Spk	FF	021804AR-228	-	1000	987	99200	10000	126
L1874-3	Influent 3 Low Spk	FF	021804AR-229	-	100	9092	*	10000	-
L1874-4	Influent 3 High Spk	FF	021804AR-230	-	1000	2914	281000	100000	194
XC022404-2	-	CS	021804AR-231	50	-	295	-	-	-
L1874-5	Comb Effluent	S	021804AR-232	-	1	512	54.4	-	-
L1874-5 Rep	Comb Effluent	S	021804AR-233	-	1	571	60.0	-	-
L1874-6	Comb Effluent Dup	S	021804AR-234	-	1	267	NQ	-	-
L1874-7	Comb Effluent Low Spk	FF	021804AR-235	-	100	1309	12900	10000	128
L1874-8	Comb Effluent High Spk	FF	021804AR-236	-	1000	1118	111000	100000	111
XC022404-3	-	CS	021804AR-237	100	-	1034	-	-	-
L1874-9	Port 4A	S	021804AR-238	-	100	7364	70000	-	-
L1874-9 Rep	Port 4A	S	021804AR-239	-	100	7185	68300	-	-
L1874-10	Port 4A Dup	S	021804AR-240	-	100	7617	72400	-	-
L1874-9	Port 4A	S	021804AR-241	-	10	85094	*	-	-
L1874-9 Rep	Port 4A	S	021804AR-242	-	10	77315	*	-	-
L1874-10	Port 4A Dup	S	021804AR-243	-	10	92640	*	-	-
L1874-11	Port 4A Low Spk	FF	021804AR-244	-	100	9721	92200	10000	222
L1874-12	Port 4A High Spk	FF	021804AR-245	-	1000	2844	274000	100000	204
XC022404-3	-	CS	021804AR-246	100	-	838	-	-	-
L1874-13	Effluent 4	S	021804AR-247	-	1	0	ND	-	-
L1874-13 Rep	Effluent 4	S	021804AR-248	-	1	0	ND	-	-
L1874-14	Effluent 4 Dup	S	021804AR-249	-	1	0	ND	-	-
L1874-15	Effluent 4 Low Spk	FF	021804AR-250	-	100	2141	20800	10000	208
L1874-16	Effluent 4 High Spk	FF	021804AR-251	-	1000	1572	154000	100000	154
XC022404-4	-	CS	021804AR-252	250	-	3104	-	-	-
L1874-17	Influent 1/2	S	021804AR-253	-	200	7639	145000	-	-
L1874-17 Rep	Influent 1/2	S	021804AR-254	-	200	6671	127000	-	-
L1874-18	Influent 1/2 Dup	S	021804AR-255	-	200	6940	132000	-	-
L1874-17	Influent 1/2	S	021804AR-256	-	100	12330	*	-	-
L1874-17 Rep	Influent 1/2	S	021804AR-257	-	100	11626	*	-	-
L1874-18	Influent 1/2 Dup	S	021804AR-258	-	100	11477	*	-	-
L1874-17	Influent 1/2	S	021804AR-259	-	10	132001	*	-	-
L1874-17 Rep	Influent 1/2	S	021804AR-260	-	10	138669	*	-	-
L1874-18	Influent 1/2 Dup	S	021804AR-261	-	10	139671	*	-	-
L1803-19	Influent 1/2 Low Spk	FF	021804AR-262	-	100	14307	135000	10000	-100
L1803-20	Influent 1/2 High Spk	FF	021804AR-263	-	1000	2721	263000	100000	118
XC022404-5	-	CS	021804AR-264	500	-	4992	-	-	-
Methanol Wash	-	C	021804AR-265	-	-	0	-	-	-
L1874-21	Trip Blank	S	021804AR-266	-	1	0	ND	-	-
L1874-22	Trip Blank Low Spk	FF	021804AR-267	-	100	807	8220	10000	82
L1874-23	Trip BlankHigh Spk	FF	021804AR-268	-	1000	737	75600	100000	76
XC022404-6	-	CS	021804AR-269	1000	-	9735	-	-	-

Analyte Found (ppt) = (peak area - intercept) / slope x DF

Recovery (%) = [analyte found (ppt)-analyte found in control (ppt)] x 100 / amount added (ppt)

Standard Curve : Linear (1/x weighted)
Intercept = -65.5462
Slope = 10.6151
Coef. Of Det. = 0.989254

CS = Calibration standard
C = Control sample
S = Sample
LF = Lab fortified sample
FF = Field fortified sample
LCS = Laboratory Control Spike
CK = Check Standard
ND = Not detected = Response between 0 and 25 ppt
NQ = Not quantifiable = Response between 25 ppt and LOQ (50 ppt)

*Sample was analyzed with several dilution factors in the same run. The appropriate results are reported.

Spreadsheet prepared by: KR 03/02/04

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

RAW DATA REPORT

Sponsor Study No:	NA	Limit of Quantitation:	50 ppt	Set No:	021804AR
Exygen Study No:	L1874	Injection Volume:	15 µL	Analyst:	Karen Risha
Analyte:	**Perfluorohexanesulfonate**	Matrix:	Water	Instrument Type:	LC/MS/MS Unit # 6
Ions Monitored:	399 -> 80	Sample Volume:	40.0 mL	Extraction Date:	02/18/04
Site:	NA	Final Volume:	5.0 mL	Analyzed on:	03/01-02/04

Exygen ID	Sponsor ID	Sample Code	Run No.	Std. Conc. (ppt)	Dilution Factor	Peak Area	Analyte Found (ppt)	Amount Added (ppt)	Recovery (%)
XC022404-0	-	CS	021804AR-201	0	-	0	-	-	-
XC022404-1	-	CS	021804AR-202	25	-	1228	-	-	-
XC022404-2	-	CS	021804AR-203	50	-	2472	-	-	-
XC022404-3	-	CS	021804AR-204	100	-	4951	-	-	-
XC022404-4	-	CS	021804AR-205	250	-	11956	-	-	-
XC022404-5	-	CS	021804AR-206	500	-	24645	-	-	-
XC022404-6	-	CS	021804AR-207	1000	-	47959	-	-	-
Methanol Wash	-	C	021804AR-208	-	-	0	-	-	-
0106020 Control	na	C	021804AR-209	-	1	0	ND	-	-
0106020 Spk A	na	LCS	021804AR-210	-	1	1963	41.0	50	82
0106020 Spk B	na	LCS	021804AR-211	-	1	21785	481	500	96
L1874-1 Spk C	Influent 3	LF	021804AR-212	-	1000	370	*	10000	-
L1874-1 Spk C	Influent 3	LF	021804AR-213	-	100	5212	11300	10000	44
L1874-5 Spk D	Comb Effluent	LF	021804AR-214	-	100	4268	9220	10000	92
L1874-9 Spk E	Port 4A	LF	021804AR-215	-	100	4841	10500	10000	83
L1874-13 Spk F	Effluent 4	LF	021804AR-216	-	100	3740	8050	10000	80
L1874-17 Spk G	Influent 1/2	LF	021804AR-217	-	100	6475	14100	10000	96
XC022404-1	-	CS	021804AR-218	25	-	950	-	-	-
L1874-1	Influent 3	S	021804AR-219	-	1000	285	*	-	-
L1874-1 Rep	Influent 3	S	021804AR-220	-	1000	343	*	-	-
L1874-2	Influent 3 Dup	S	021804AR-221	-	1000	282	*	-	-
L1874-1	Influent 3	S	021804AR-222	-	100	3896	*	-	-
L1874-1 Rep	Influent 3	S	021804AR-223	-	100	3426	*	-	-
L1874-2	Influent 3 Dup	S	021804AR-224	-	100	3108	*	-	-
L1874-1	Influent 3	S	021804AR-225	-	10	31174	6900	-	-
L1874-1 Rep	Influent 3	S	021804AR-226	-	10	31180	6900	-	-
L1874-2	Influent 3 Dup	S	021804AR-227	-	10	32887	7280	-	-
L1874-3	Influent 3 Low Spk	FF	021804AR-228	-	1000	684	*	10000	-
L1874-3	Influent 3 Low Spk	FF	021804AR-229	-	100	7851	17200	10000	103
L1874-4	Influent 3 High Spk	FF	021804AR-230	-	1000	5292	115000	100000	108
XC022404-2	-	CS	021804AR-231	50	-	2360	-	-	-
L1874-5	Comb Effluent	S	021804AR-232	-	1	0	ND	-	-
L1874-5 Rep	Comb Effluent	S	021804AR-233	-	1	0	ND	-	-
L1874-6	Comb Effluent Dup	S	021804AR-234	-	1	0	ND	-	-
L1874-7	Comb Effluent Low Spk	FF	021804AR-235	-	100	4854	10500	10000	105
L1874-8	Comb Effluent High Spk	FF	021804AR-236	-	1000	3747	80700	100000	81
XC022404-3	-	CS	021804AR-237	100	-	4091	-	-	-
L1874-9	Port 4A	S	021804AR-238	-	100	809	*	-	-
L1874-9 Rep	Port 4A	S	021804AR-239	-	100	799	*	-	-
L1874-10	Port 4A Dup	S	021804AR-240	-	100	990	*	-	-
L1874-9	Port 4A	S	021804AR-241	-	10	9993	2190	-	-
L1874-9 Rep	Port 4A	S	021804AR-242	-	10	9880	2170	-	-
L1874-10	Port 4A Dup	S	021804AR-243	-	10	11513	2530	-	-
L1874-11	Port 4A Low Spk	FF	021804AR-244	-	100	6352	13900	10000	117
L1874-12	Port 4A High Spk	FF	021804AR-245	-	1000	5347	116000	100000	114
XC022404-3	-	CS	021804AR-246	100	-	5403	-	-	-
L1874-13	Effluent 4	S	021804AR-247	-	1	0	ND	-	-
L1874-13 Rep	Effluent 4	S	021804AR-248	-	1	0	ND	-	-
L1874-14	Effluent 4 Dup	S	021804AR-249	-	1	0	ND	-	-
L1874-15	Effluent 4 Low Spk	FF	021804AR-250	-	100	4813	10400	10000	104
L1874-16	Effluent 4 High Spk	FF	021804AR-251	-	1000	5605	122000	100000	122
XC022404-4	-	CS	021804AR-252	250	-	12511	-	-	-
L1874-17	Influent 1/2	S	021804AR-253	-	200	1155	*	-	-
L1874-17 Rep	Influent 1/2	S	021804AR-254	-	200	1083	*	-	-
L1874-18	Influent 1/2 Dup	S	021804AR-255	-	200	1061	*	-	-
L1874-17	Influent 1/2	S	021804AR-256	-	100	1994	*	-	-
L1874-17 Rep	Influent 1/2	S	021804AR-257	-	100	1629	*	-	-
L1874-18	Influent 1/2 Dup	S	021804AR-258	-	100	1756	*	-	-
L1874-17	Influent 1/2	S	021804AR-259	-	10	20569	4540	-	-
L1874-17 Rep	Influent 1/2	S	021804AR-260	-	10	19143	4230	-	-
L1874-18	Influent 1/2 Dup	S	021804AR-261	-	10	20348	4490	-	-
L1803-19	Influent 1/2 Low Spk	FF	021804AR-262	-	100	6734	14700	10000	102
L1803-20	Influent 1/2 High Spk	FF	021804AR-263	-	1000	4644	101000	100000	96
XC022404-5	-	CS	021804AR-264	500	-	20124	-	-	-
Methanol Wash	-	C	021804AR-265	-	-	0	-	-	-
L1874-21	Trip Blank	S	021804AR-266	-	1	0	ND	-	-
L1874-22	Trip Blank Low Spk	FF	021804AR-267	-	100	4328	9360	10000	94
L1874-23	Trip BlankHigh Spk	FF	021804AR-268	-	1000	4776	104000	100000	104
XC022404-6	-	CS	021804AR-269	1000	-	40720	-	-	-

Analyte Found (ppt) = (peak area - intercept) / slope x DF

Recovery (%) = $\frac{\text{[analyte found (ppt)-analyte found in control (ppt)]} \times 100}{\text{amount added (ppt)}}$

Standard Curve : Linear (1/x weighted)
Intercept = 115.215
Slope = 45.0307
Coef. Of Det. = 0.985908

CS = Calibration standard
C = Control sample
S = Sample
LF = Lab fortified sample
FF = Field fortified sample
LCS = Laboratory Control Spike
CK = Check Standard
ND = Not detected = Response between 0 and 25 ppt
NQ = Not quantifiable = Response between 25 ppt and LOQ (50 ppt)

*Sample was analyzed with several dilution factors in the same run. The appropriate dilution is reported.

Spreadsheet prepared by: _____ 03/02/04

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

RAW DATA REPORT

Sponsor Study No:	NA	Limit of Quantitation:	50 ppt	Set No:	021804AR
Exygen Study No:	L1874	Injection Volume:	15 µL	Analyst:	Karen Risha
Analyte:	**Perfluorooctanesulfonate**	Matrix:	Water	Instrument Type:	LC/MS/MS Unit # 6
Ions Monitored:	499 -> 99	Sample Volume:	40.0 mL	Extraction Date:	02/18/04
Site:	NA	Final Volume:	5.0 mL	Analyzed on:	03/01-02/04

Exygen ID	Sponsor ID	Sample Code	Run No.	Std. Conc. (ppt)	Dilution Factor	Peak Area	Analyte Found (ppt)	Amount Added (ppt)	Recovery (%)
XC022404-0	-	CS	021804AR-201	0	-	0	-	-	-
XC022404-1	-	CS	021804AR-202	25	-	748	-	-	-
XC022404-2	-	CS	021804AR-203	50	-	1742	-	-	-
XC022404-3	-	CS	021804AR-204	100	-	3512	-	-	-
XC022404-4	-	CS	021804AR-205	250	-	7487	-	-	-
XC022404-5	-	CS	021804AR-206	500	-	17160	-	-	-
XC022404-6	-	CS	021804AR-207	1000	-	33473	-	-	-
Methanol Wash	-	C	021804AR-208	-	-	0	-	-	-
0106020 Control	na	C	021804AR-209	-	1	0	ND	-	-
0106020 Spk A	na	LCS	021804AR-210	-	1	1468	44.9	50	90
0106020 Spk B	na	LCS	021804AR-211	-	1	14546	454	500	91
L1874-1 Spk C	Influent 3	LF	021804AR-212	-	1000	1637	*	10000	-
L1874-1 Spk C	Influent 3	LF	021804AR-213	-	100	14840	46300	10000	-135
L1874-5 Spk D	Comb Effluent	LF	021804AR-214	-	100	2555	7890	10000	79
L1874-9 Spk E	Port 4A	LF	021804AR-215	-	100	3775	11700	10000	86
L1874-13 Spk F	Effluent 4	LF	021804AR-216	-	100	2526	7800	10000	78
L1874-17 Spk G	Influent 1/2	LF	021804AR-217	-	100	5539	17200	10000	106
XC022404-1	-	CS	021804AR-218	25	-	783	-	-	-
L1874-1	Influent 3	S	021804AR-219	-	1000	1676	*	-	-
L1874-1 Rep	Influent 3	S	021804AR-220	-	1000	1565	*	-	-
L1874-2	Influent 3 Dup	S	021804AR-221	-	1000	1715	*	-	-
L1874-1	Influent 3	S	021804AR-222	-	100	19182	59800	-	-
L1874-1 Rep	Influent 3	S	021804AR-223	-	100	18063	56300	-	-
L1874-2	Influent 3 Dup	S	021804AR-224	-	100	14576	45400	-	-
L1874-1	Influent 3	S	021804AR-225	-	10	152579	*	-	-
L1874-1 Rep	Influent 3	S	021804AR-226	-	10	150296	*	-	-
L1874-2	Influent 3 Dup	S	021804AR-227	-	10	126270	*	-	-
L1874-3	Influent 3 Low Spk	FF	021804AR-228	-	1000	1869	*	10000	-
L1874-3	Influent 3 Low Spk	FF	021804AR-229	-	100	14776	46100	10000	-137
L1874-4	Influent 3 High Spk	FF	021804AR-230	-	1000	4695	146000	100000	86
XC022404-2	-	CS	021804AR-231	50	-	1662	-	-	-
L1874-5	Comb Effluent	S	021804AR-232	-	1	0	ND	-	-
L1874-5 Rep	Comb Effluent	S	021804AR-233	-	1	0	ND	-	-
L1874-6	Comb Effluent Dup	S	021804AR-234	-	1	0	ND	-	-
L1874-7	Comb Effluent Low Spk	FF	021804AR-235	-	100	3293	10200	10000	102
L1874-8	Comb Effluent High Spk	FF	021804AR-236	-	1000	2827	87400	100000	87
XC022404-3	-	CS	021804AR-237	100	-	3356	-	-	-
L1874-9	Port 4A	S	021804AR-238	-	100	1045	*	-	-
L1874-9 Rep	Port 4A	S	021804AR-239	-	100	961	*	-	-
L1874-10	Port 4A Dup	S	021804AR-240	-	100	901	*	-	-
L1874-9	Port 4A	S	021804AR-241	-	10	9945	3100	-	-
L1874-9 Rep	Port 4A	S	021804AR-242	-	10	9165	2850	-	-
L1874-10	Port 4A Dup	S	021804AR-243	-	10	11291	3520	-	-
L1874-11	Port 4A Low Spk	FF	021804AR-244	-	100	3666	11400	10000	83
L1874-12	Port 4A High Spk	FF	021804AR-245	-	1000	2794	86300	100000	83
XC022404-3	-	CS	021804AR-246	100	-	3304	-	-	-
L1874-13	Effluent 4	S	021804AR-247	-	1	185	ND	-	-
L1874-13 Rep	Effluent 4	S	021804AR-248	-	1	210	ND	-	-
L1874-14	Effluent 4 Dup	S	021804AR-249	-	1	228	ND	-	-
L1874-15	Effluent 4 Low Spk	FF	021804AR-250	-	100	2912	9000	10000	90
L1874-16	Effluent 4 High Spk	FF	021804AR-251	-	1000	2982	92200	100000	92
XC022404-4	-	CS	021804AR-252	250	-	7652	-	-	-
L1874-17	Influent 1/2	S	021804AR-253	-	200	1326	*	-	-
L1874-17 Rep	Influent 1/2	S	021804AR-254	-	200	1131	*	-	-
L1874-18	Influent 1/2 Dup	S	021804AR-255	-	200	1175	*	-	-
L1874-17	Influent 1/2	S	021804AR-256	-	100	2251	*	-	-
L1874-17 Rep	Influent 1/2	S	021804AR-257	-	100	1977	*	-	-
L1874-18	Influent 1/2 Dup	S	021804AR-258	-	100	2156	*	-	-
L1874-17	Influent 1/2	S	021804AR-259	-	10	21154	6600	-	-
L1874-17 Rep	Influent 1/2	S	021804AR-260	-	10	19044	5940	-	-
L1874-18	Influent 1/2 Dup	S	021804AR-261	-	10	20537	6410	-	-
L1803-19	Influent 1/2 Low Spk	FF	021804AR-262	-	100	4936	15300	10000	87
L1803-20	Influent 1/2 High Spk	FF	021804AR-263	-	1000	3429	106000	100000	99
XC022404-5	-	CS	021804AR-264	500	-	15894	-	-	-
Methanol Wash	-	C	021804AR-265	-	-	0	-	-	-
L1874-21	Trip Blank	S	021804AR-266	-	1	222	ND	-	-
L1874-22	Trip Blank Low Spk	FF	021804AR-267	-	100	3652	11300	10000	113
L1874-23	Trip BlankHigh Spk	FF	021804AR-268	-	1000	3534	109000	100000	109
XC022404-6	-	CS	021804AR-269	1000	-	30045	-	-	-

Analyte Found (ppt) = (peak area - intercept) / slope x DF

Recovery (%) = [analyte found (ppt)-analyte found in control (ppt)] x 100 / amount added (ppt)

Standard Curve : Linear (1/x weighted)
Intercept = 31.5152
Slope = 32.0022
Coef. Of Det. = 0.994708

CS = Calibration standard
C = Control sample
S = Sample
LF = Lab fortified sample
FF = Field fortified sample
LCS = Laboratory Control Spike
CK = Check Standard
ND = Not detected = Response between 0 and 25 ppt
NQ = Not quantifiable = Response between 25 ppt and LOQ (50 ppt)

*Sample was analyzed with several dilution factors in the same run. The appropriate dilution is reported.

Spreadsheet prepared by: _____ 03/02/04

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Exygen RESEARCH
3058 Research Drive
State College, PA 16801
Phone: 814-272-1039
Fax: 814-231-1580

Internal Chain of Custody/Fortification Sheet

Exygen Study Number: L1874 Matrix: Water
Sponsor Study/Protocol No: NA
The samples listed below were removed from refrigerator No. 32
Time 0840 Date 2/18/04 Initials EH

CLIENT SAMPLE ID	EXYGEN ID NUMBER	VOLUME (mL)	FORTIFICATION (ng)
na	0106020 Control	40.0	-
na	0106020 Spk A	40.0	2.0
na	0106020 Spk B	40.0	20.0
Influent 3	L1874-1 Spk C	40.0	400.0
Comb Effluent	L1874-5 Spk D	40.0	400.0
Port 4A	L1874-9 Spk E	40.0	400.0
Effluent 4	L1874-13 Spk F	40.0	400.0
Influent 1/2	L1874-17 Spk G	40.0	400.0
Influent 3	L1874-1	40.0	-
Influent 3	L1874-1 Rep	40.0	-
Influent 3 Dup	L1874-2	40.0	-
Influent 3 Low Spk	L1874-3	40.0	-
Influent 3 High Spk	L1874-4	40.0	-
Comb Effluent	L1874-5	40.0	-
Comb Effluent	L1874-5 Rep	40.0	-
Comb Effluent Dup	L1874-6	40.0	-
Comb Effluent Low Spk	L1874-7	40.0	-
Comb Effluent High Spk	L1874-8	40.0	-
Port 4A	L1874-9	40.0	-
Port 4A	L1874-9 Rep	40.0	-
Port 4A Dup	L1874-10	40.0	-
Port 4A Low Spk	L1874-11	40.0	-
Port 4A High Spk	L1874-12	40.0	-

	Spiking Solution Used	Volume Used for Spiking	Initial/Date
0106020 Spk A	F012004-10 (10 ng/mL)	200 µL (200 µL micropipet)	KE 02/18/04
0106020 Spk B	F012004-9 (100 ng/mL)	200 µL (200 µL micropipet)	KE 02/18/04
L1874-1 Spk C	F012004-8 (1000 ng/mL)	400 µL (200 µL micropipet)	KE 02/18/04
L1874-5 Spk D	F012004-8 (1000 ng/mL)	400 µL (200 µL micropipet)	KE 02/18/04
L1874-9 Spk E	F012004-8 (1000 ng/mL)	400 µL (200 µL micropipet)	KE 02/18/04
L1874-13 Spk F	F012004-8 (1000 ng/mL)	400 µL (200 µL micropipet)	KE 02/18/04
L1874-17 Spk G	F012004-8 (1000 ng/mL)	400 µL (200 µL micropipet)	KE 02/18/04

All samples were measured:
Time 1000 Date 2/18/04 Initials EH

After measuring samples were returned to refrigerator No. 32
Time 1300 Date 2/18/04 Initials EH

Comments: 200 µL of 250 mg/mL sodium thiosulfate was added to all samples before spiking. Initials/Date: KE 02/18/04

Analysis Summary:
Data Set: 021904D Initials/Date: KE 02/19/04
Data Set: 021804AR Initials/Date: KE 03/01/04
Data Set: — Initials/Date: — / —

Set extraction/analysis data verified by: PDC Date: 3/4/04

(V1) July 26, 2001/6
PDC 3/3/04

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Exygen RESEARCH
3058 Research Drive
State College, PA 16801
Phone: 814-272-1039
Fax: 814-231-1580

Internal Chain of Custody/Fortification Sheet

Exygen Study Number: L1874 Matrix: Water
Sponsor Study/Protocol No: NA
The samples listed below were removed from refrigerator No. 32
Time 0840 Date 2/18/04 Initials EH

CLIENT SAMPLE ID	EXYGEN ID NUMBER	VOLUME (mL)	FORTIFICATION (ng)
Effluent 4	L1874-13	40.0	-
Effluent 4	L1874-13 Rep	40.0	-
Effluent 4 Dup	L1874-14	40.0	-
Effluent 4 Low Spk	L1874-15	40.0	-
Effluent 4 High Spk	L1874-16	40.0	-
Influent 1/2	L1874-17	40.0	-
Influent 1/2	L1874-17 Rep	40.0	-
Influent 1/2 Dup	L1874-18	40.0	-
Influent 1/2 Low Spk	L1874-19	40.0	-
Influent 1/2 High Spk	L1874-20	40.0	-
Trip Blank	L1874-21	40.0	-
Trip Blank Low Spike	L1874-22	40.0	-
Trip Blank High Spike	L1874-23	40.0	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

	Spiking Solution Used	Volume Used for Spiking	Initial/Date
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

All samples were measured:
Time 1000 Date 2/18/04 Initials EH

After measuring samples were returned to refrigerator No. 32
Time 1300 Date 2/18/04 Initials EH

Comments: 200 µL of 250 mg/mL sodium thiosulfate was added to all samples before spiking. Initials/Date: KJC 02/18/04

Analysis Summary:
Data Set: 021904D Initials/Date: KJC 02/19/04
Data Set: 021804AR Initials/Date: KJC 03/01/04
Data Set: — Initials/Date: — / —

Set extraction/analysis data verified by: PDC Date: 3/3/04

July 26, 2001/6

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Exygen RESEARCH
3058 Research Drive
State College, PA 16801
Phone: 814-272-1039
Fax: 814-231-1580

SAMPLE EXTRACTION AND ANALYSIS TRACKING SHEET

EXYGEN STUDY NUMBER: L1874 METHOD: $$ PROTOCOL NUMBER: NA
MATRIX: Water ANALYTES: C4, C6, C7 & C8 Acids, C4, C6 & C8 sulfonates

Client ID	Exygen ID	STEP 1	STEP 2	Dilutions (mL/mL)	STEP 3	Dilutions (mL/mL)	STEP 4	Reagents/ Materials	Lot #
na	0106020 Control			-		-		Methanol	43323348
na	0106020 Spk A			-		-		C18 SPE	W3167B1
na	0106020 Spk B			-		-		Type I Water	NA
Influent 3	L1874-1 Spk C			0.1/10		② 0.1/1.0		-	-
Comb Effluent	L1874-5 Spk D			0.1/10		-		-	-
Port 4A	L1874-9 Spk E			0.1/10		-		-	-
Effluent 4	L1874-13 Spk F			0.1/10		-		*Initials/Date*	EH 2/18/04
Influent 1/2	L1874-17 Spk G			0.1/10		-		-	-
Influent 3	L1874-1			-		③ 0.1/10, 0.1/1.0		-	-
Influent 3	L1874-1 Rep			-		③ 0.1/10, 0.1/1.0		-	-
Influent 3 Dup	L1874-2			-		③ 0.1/10, 0.1/1.0		-	-
Influent 3 Low Spk	L1874-3			0.1/10		② 0.1/1.0		-	-
Influent 3 High Spk	L1874-4			① 0.1/10, 0.1/1.0		-		-	-
Comb Effluent	L1874-5			-		-		-	-
Comb Effluent	L1874-5 Rep			-		-		-	-
Comb Effluent Dup	L1874-6			-		-		-	-
Comb Effluent Low Spk	L1874-7			0.1/10		-		-	-
Comb Effluent High Spk	L1874-8			① 0.1/10, 0.1/1.0		-		-	-
Port 4A	L1874-9			-		③ 0.1/10, 0.1/1.0		HPLC	
Port 4A	L1874 9 Rep			-		③ 0.1/10 0.1/1.0		Methanol	43308345
Port 4A Dup	L1874-10			-		③ 0.1/10 0.1/1.0		Ammonium Acetate	V36159
Port 4A Low Spk	L1874-11			0.1/10		-		Type I water	NA
Port 4A High Spk	L1874-12	↓	↓	① 0.1/10 0.1/1.0	↓	-	↓	-	-
Initials/Date	-	EH 2/18/04	EH 2/18/04	KB 02/18/04	KB 02/19/04	KB 02/29/04	KB 03/01/04	*Initials/Date*	KB 6/2/04

STEP 1: SPE column clean-up (omitting 40% wash)
STEP 2: Final volume to 5 mL collected in 15 mL polypropolene tubes
STEP 3: LC/MS/MS analysis
STEP 4: LC/MS/MS reanalysis.

①DF = 1000 ②DF = 1000 x DILUTED AN ADDITIONAL 10X FROM PREVIOUSLY DILUTED SAMPLE. KB 02/29/04
③DF = 10 and 100 x KB 02/29/04

*Initials and date under each step indicates the personnel that performed this step.
$$ Method of Analysis for the Determination of Perfluorooctane sulfonate (PFOS), Perfluorooctane sulfonylamide (PFOSA), and Perfluorooctanoate (POAA) in Water

COMMENTS:

Final extracts stored in refrigerator 32 Initials: EH Date: 2/18/04

July 19, 2001/4

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Exygen RESEARCH
3058 Research Drive
State College, PA 16801
Phone: 814-272-1039
Fax: 814-231-1580

SAMPLE EXTRACTION AND ANALYSIS TRACKING SHEET

EXYGEN STUDY NUMBER: L1874 METHOD: $$ PROTOCOL NUMBER: NA
MATRIX: Water ANALYTES: C4, C6, C7 & C8 Acids, C4, C6 & C8 sulfonates

Client ID	Exygen ID	STEP 1	STEP 2	Dilutions (mL/mL)	STEP 3	Dilutions (mL/mL)	STEP 4	Reagents/ Materials	Lot #
Effluent 4	L1874-13			-		-		Methanol	43323348
Effluent 4	L1874-13 Rep			-		-		C18 SPE	W316781
Effluent 4 Dup	L1874-14			-		-		Type I Water	NA
Effluent 4 Low Spk	L1874-15			0.1/10		-		-	-
Effluent 4 High Spk	L1874-16			①0.1/10, 0.1/1.0		-		-	-
Influent 1/2	L1874-17			-		②0.1/10, 0.1/1.0, 0.05/1.0		-	-
Influent 1/2	L1874-17 Rep			-		②0.1/10, 0.1/1.0, 0.05/1.0		*Initials/Date*	EH 2/18/04
Influent 1/2 Dup	L1874-18			-		②0.1/10, 0.1/1.0, 0.05/1.0		-	-
Influent 1/2 Low Spk	L1874-19			0.1/10		-		-	-
Influent 1/2 High Spk	L1874-20			①0.1/10, 0.1/1.0		-		-	-
Trip Blank	L1874-21			-		-		-	-
Trip Blank Low Spike	L1874-22			0.1/10		-		-	-
Trip Blank High Spike	L1874-23	↓	↓	①0.1/10, 0.1/1.0	↓	-	↓	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	HPLC	
-	-	-	-	-	-	-	-	Methanol	43308345
-	-	-	-	-	-	-	-	Ammonium Acetate	V36159
-	-	-	-	-	-	-	-	Type I water	NA
-	-	-	-	-	-	-	-	-	
Initials/Date	-	EH 2/18/04	EH 2/18/04	02/18/04	02/19/04	02/29/04	03/01/04	*Initials/Date*	02/19/04

①DF=1000 ②DF=10, 100 and 200 02/29/04

STEP 1: SPE column clean-up (omitting 40% wash)
STEP 2: Final volume to 5 mL collected in 15 mL polypropolene tubes
STEP 3: LC/MS/MS analysis
STEP 4: LC/MS/MS reanalysis.

*Initials and date under each step indicates the personnel that performed this step.
$$ Method of Analysis for the Determination of Perfluorooctane sulfonate (PFOS), Perfluorooctane sulfonylamide (PFOSA), and Perfluorooctanoate (POAA) in Water

COMMENTS:

Final extracts stored in refrigerator 32 Initials: EH Date: 2/18/04

July 19, 2001/4

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Exygen RESEARCH
3058 Research Drive
State College, PA 16801
Phone: 814-272-1039
Fax: 814-231-1580

PREPARATION OF EXTRACTED CALIBRATION STANDARDS

Protocol No.: None | Exygen Study No.: NA | Matrix: Type I Water^
Method No.: $$ | Analytes: C4,C5,C6,C7 and C8 Acids; C4, C6 & C8 Sulfonates | Sample Vol: 40 mL

Sponsor Sample ID	Exygen Sample ID	Sample Description	Fort. Solution ID	Fort. Soln. Conc. (ng/mL)	Fort. Volume (µL)	Micropipet used (µL)	Fort. Level (ppt)	Final Solution ID # **	Reagents/ Materials	Lot #
NA	0106020	Type I Water^	-	-	-	-	-	XC022404-0	Methanol	43208315
NA	0106020	Type I Water^	F012004-10	10	100	200	25	XC022404-1	C18 SPE	WJ3167B1
NA	0106020	Type I Water^	F012004-10	10	200	200	50	XC022404-2	Type I Water	NA
NA	0106020	Type I Water^	F012004-10	10	400	200	100	XC022404-3	-	-
NA	0106020	Type I Water^	F012004-9	100	100	200	250	XC022404-4	-	-
NA	0106020	Type I Water^	F012004-9	100	200	200	500	XC022404-5	-	-
NA	0106020	Type I Water^	F012004-9	100	400	200	1000	XC022404-6	-	-
-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	Initials/Date:	02/24/04

Vertical arrows in a column indicate identical values.

***This must be a unique number. Use this system: Extracted Calibration Soln ID #: XCMMDDYY-0,1,2,3, etc.*

Samples removed from refrigerator / freezer # 32 Time: 0600 Initials/Date: 02/24/04

40 mL of each sample measured using a 50 mL graduated cylinder. Initials/Date: 02/24/04

After measuring, samples returned to refrigerator / freezer # 32 Time: 0850 Initials/Date: 02/24/04

Samples fortified: Initials/Date: 02/24/04

SPE clean-up (omitting 40% Wash): Initials/Date: 02/24/04

Final volume adjusted to 5 mL: Initials/Date: 02/24/04

Extracts placed in refrigerator # 32 Initials/Date: 02/24/04

STANDARD EXPIRATION DATE: 3/9/04

Comments: ^This type I water has been filtered through a hypercarb filter

$$ Method of Analysis for the Determination of Perfluorooctane sulfonate (PFOS), Perfluorooctane sulfonylamide (PFOSA), and Perfluorooctanoate (POAA) in Water

July 10, 2001/0

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

	Vial	File Name	LIMS ID	Client ID	Sample Description	Matrix	Sample Type	Conc (ng/L)	Conc B	Conc C	Test ID	DF
1	11	021804AR-201	---	---	XC022404-0, 0 ng/L Standard	---	Standard	0	---	---	0	1
2	12	021804AR-202	---	---	XC022404-1, 25 ng/L Standard	---	Standard	25	---	---	0	1
3	13	021804AR-203	---	---	XC022404-2, 50 ng/L Standard	---	Standard	50	---	---	0	1
4	14	021804AR-204	---	---	XC022404-3, 100 ng/L Standard	---	Standard	100	---	---	0	1
5	15	021804AR-205	---	---	XC022404-4, 250 ng/L Standard	---	Standard	250	---	---	0	1
6	16	021804AR-206	---	---	XC022404-5, 500 ng/L Standard	---	Standard	500	---	---	0	1
7	17	021804AR-207	---	---	XC022404-6, 1000 ng/L Standard	---	Standard	1000	---	---	0	1
8	92	021804AR-208	---	---	Methanol Wash	---	Blank	---	---	---	0	1
9	21	021804AR-209	---	---	0106020 Control	---	Blank	---	---	---	0	1
10	22	021804AR-210	---	---	0106020 Spk A, 50 ng/L	---	QC	50	---	---	0	1
11	23	021804AR-211	---	---	0106020 Spk B, 500 ng/L	---	QC	500	---	---	0	1
12	24	021804AR-212	---	---	L1874-1 Spk C, 10000 ng/L, DF=1000	---	QC	10000	---	---	0	1000
13	25	021804AR-213	---	---	L1874-1 Spk C, 10000 ng/L, DF=100	---	QC	10000	---	---	0	100
14	26	021804AR-214	---	---	L1874-5 Spk D, 10000 ng/L, DF=100	---	QC	10000	---	---	0	100
15	27	021804AR-215	---	---	L1874-9 Spk E, 10000 ng/L, DF=100	---	QC	10000	---	---	0	100
16	28	021804AR-216	---	---	L1874-13 Spk F, 10000 ng/L, DF=100	---	QC	10000	---	---	0	100
17	29	021804AR-217	---	---	L1874-17 Spk G, 10000 ng/L, DF=100	---	QC	10000	---	---	0	100
18	12	021804AR-218	---	---	XC022404-1, 25 ng/L Standard	---	Standard	25	---	---	0	1
19	30	021804AR-219	---	---	L1874-1, DF=1000	---	Analyte	---	---	---	0	1000
20	31	021804AR-220	---	---	L1874-1 Rep, DF=1000	---	Analyte	---	---	---	0	1000
21	32	021804AR-221	---	---	L1874-2, DF=1000	---	Analyte	---	---	---	0	1000
22	33	021804AR-222	---	---	L1874-1, DF=100	---	Analyte	---	---	---	0	100
23	34	021804AR-223	---	---	L1874-1 Rep, DF=100	---	Analyte	---	---	---	0	100
24	35	021804AR-224	---	---	L1874-2, DF=100	---	Analyte	---	---	---	0	100
25	36	021804AR-225	---	---	L1874-1, DF=10	---	Analyte	---	---	---	0	10
26	37	021804AR-226	---	---	L1874-1 Rep, DF=10	---	Analyte	---	---	---	0	10
27	38	021804AR-227	---	---	L1874-2, DF=10	---	Analyte	---	---	---	0	10
28	39	021804AR-228	---	---	L1874-3, DF=1000	---	QC	10000	---	---	0	1000
29	40	021804AR-229	---	---	L1874-3, DF=100	---	QC	10000	---	---	0	100
30	41	021804AR-230	---	---	L1874-4, DF=1000	---	QC	100000	---	---	0	1000
31	13	021804AR-231	---	---	XC022404-2, 50 ng/L Standard	---	Standard	50	---	---	0	1
32	42	021804AR-232	---	---	L1874-5	---	Analyte	---	---	---	0	1
33	43	021804AR-233	---	---	L1874-5 Rep	---	Analyte	---	---	---	0	1
34	44	021804AR-234	---	---	L1874-6	---	Analyte	---	---	---	0	1
35	45	021804AR-235	---	---	L1874-7, DF=100	---	QC	10000	---	---	0	100
36	46	021804AR-236	---	---	L1874-8, DF=1000	---	QC	100000	---	---	0	1000
37	14	021804AR-237	---	---	XC022404-3, 100 ng/L Standard	---	Standard	100	---	---	0	1
38	47	021804AR-238	---	---	L1874-9, DF=100	---	Analyte	---	---	---	0	100
39	48	021804AR-239	---	---	L1874-9 Rep, DF=100	---	Analyte	---	---	---	0	100
40	49	021804AR-240	---	---	L1874-10, DF=100	---	Analyte	---	---	---	0	100
41	50	021804AR-241	---	---	L1874-9, DF=10	---	Analyte	---	---	---	0	10
42	51	021804AR-242	---	---	L1874-9 Rep, DF=10	---	Analyte	---	---	---	0	10
43	52	021804AR-243	---	---	L1874-10, DF=10	---	Analyte	---	---	---	0	10
44	53	021804AR-244	---	---	L1874-11, DF=100	---	QC	10000	---	---	0	100

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Sample List: C:\MASSLYNX\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM.SPL
Printed: Mon Mar 01 10:37:35 2004 PG 03/01/04

Exygen STUDY NO. 4874 Page Position: (2, 1)

	MS Method	HPLC Method	MS Tune File	Inj.Volume
1	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
2	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
3	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
4	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
5	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
6	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
7	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
8	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
9	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
10	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
11	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
12	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
13	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
14	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
15	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
16	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
17	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
18	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
19	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
20	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
21	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
22	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
23	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
24	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
25	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
26	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
27	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
28	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
29	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
30	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
31	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
32	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
33	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
34	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
35	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
36	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
37	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
38	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
39	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
40	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
41	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
42	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
43	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
44	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

KJB 03/01/04

	Vial	File Name	LIMS ID	Client ID	Sample Description	Matrix	Sample Type	Conc (ng/L)	Conc B	Conc C	Test ID	DF
45	54	021804AR-245	---	---	L1874-12, DF=1000	---	QC	100000	---	---	0	1000
46	14	021804AR-246	---	---	XC022404-3, 100 ng/L Standard	---	Standard	100	---	---	0	1
47	55	021804AR-247	---	---	L1874-13	---	Analyte	---	---	---	0	1
48	56	021804AR-248	---	---	L1874-13 Rep	---	Analyte	---	---	---	0	1
49	57	021804AR-249	---	---	L1874-14	---	Analyte	---	---	---	0	1
50	58	021804AR-250	---	---	L1874-15, DF=100	---	QC	10000	---	---	0	100
51	59	021804AR-251	---	---	L1874-16, DF=1000	---	QC	100000	---	---	0	1000
52	15	021804AR-252	---	---	XC022404-4, 250 ng/L Standard	---	Standard	250	---	---	0	1
53	60	021804AR-253	---	---	L1874-17, DF=200	---	Analyte	---	---	---	0	200
54	61	021804AR-254	---	---	L1874-17 Rep, DF=200	---	Analyte	---	---	---	0	200
55	62	021804AR-255	---	---	L1874-18, DF=200	---	Analyte	---	---	---	0	200
56	63	021804AR-256	---	---	L1874-17, DF=100	---	Analyte	---	---	---	0	100
57	64	021804AR-257	---	---	L1874-17 Rep, DF=100	---	Analyte	---	---	---	0	100
58	65	021804AR-258	---	---	L1874-18, DF=100	---	Analyte	---	---	---	0	100
59	66	021804AR-259	---	---	L1874-17, DF=10	---	Analyte	---	---	---	0	10
60	67	021804AR-260	---	---	L1874-17 Rep, DF=10	---	Analyte	---	---	---	0	10
61	68	021804AR-261	---	---	L1874-18, DF=10	---	Analyte	---	---	---	0	10
62	69	021804AR-262	---	---	L1874-19, DF=100	---	QC	10000	---	---	0	100
63	70	021804AR-263	---	---	L1874-20, DF=1000	---	QC	100000	---	---	0	1000
64	16	021804AR-264	---	---	XC022404-5, 500 ng/L Standard	---	Standard	500	---	---	0	1
65	92	021804AR-265	---	---	Methanol Wash	---	Blank	---	---	---	0	1
66	71	021804AR-266	---	---	L1874-21	---	Analyte	---	---	---	0	1
67	72	021804AR-267	---	---	L1874-22, DF=100	---	QC	10000	---	---	0	100
68	73	021804AR-268	---	---	L1874-23, DF=1000	---	QC	100000	---	---	0	1000
69	17	021804AR-269	---	---	XC022404-6, 1000 ng/L Standard	---	Standard	1000	---	---	0	1

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

3M_MN01538700

	MS Method	HPLC Method	MS Tune File	Inj.Volume
45	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
46	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
47	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
48	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
49	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
50	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
51	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
52	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
53	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
54	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
55	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
56	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
57	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
58	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
59	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
60	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
61	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
62	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
63	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
64	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
65	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
66	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
67	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
68	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15
69	C6 8 ACIDS C4 6 8 SULF	pfbs water	Fluorochems	15

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

LC/MS/MS SYSTEM AND OPERATING CONDITIONS

Sponsor Protocol No: NA Exygen Study No: L1874

Instrument:	Micromass Quattro Ultima (LC/MS/MS Unit #6)
Computer:	COMPAQ Professional Workstation AP200
Software:	Microsoft Windows NT: Version 4 Build 1381: Service Pack 5 Micromass Limited: MassLynx 3.4 Build 004
HPLC Equipment:	Hewlett Packard (HP) Series 1100 HP Bin Pump HP Vacuum Degasser HP Autosampler HP Column Oven
HPLC Column:	Genesis C-8, 5 cm x 2.1 mm i.d. x 4 µ (Exygen ID: 74A) (JONESCHROMATOGRAPHY: Part No. FK5962E)
Mobile Phase (A) :	2 mM Ammonium Acetate in Type I Water
Mobile Phase (B) :	Methanol
Analyst:	Karen Risha Exygen Research 3058 Research Drive, State College, PA 16801 Phone: (814) 272-1039 FAX: (814) 231-1580

KR 03/01/04

NOTE: The next 3 pages are computer generated printouts from the masslynx software program. The pages contain the instrument settings used for the analysis of this data set.

All Handwritten Peak ID's by:_____

Scanning Method Report

Method: C:\MASSLYNX\FLUOROCHEMICALS.PRO\ACQUDB\C6 8 ACIDS C4 6 8 SULF
Last Modified: Mon Jan 20 15:32:38 2003

Printed: Mon Mar 01 10:37:40 2004 KJ 03/01/04

Solvent Delay (mins) : 0.00

Analog Channel 4 : Unused
Function : 1 MRM of 5 Mass Pairs (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 12.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	299.00	99.00	0.20	40	49
2	313.00	269.00	0.20	10	20
3	399.00	80.00	0.20	35	50
4	413.00	369.00	0.20	10	10
5	499.00	99.00	0.20	40	30

Method File: C:\MASSLYNX\FLUOROCHEMICALS.PRO\ACQUDB\pfbs water
Last Modified: Monday, March 01, 2004 10:19:00

Printed: Monday, March 01, 2004 10:37:48 KBG 03/01/04

HP1100 LC Pump Initial Conditions

Solvents	
A%	90.0
B%	10.0
C%	0.0
D%	0.0
Flow (ml/min)	0.300
Stop Time (mins)	20.0
Min Pressure (bar)	0
Max Pressure (bar)	400
Oven Temperature Left(°C)	35.0
Oven Temperature Right(°C)	35.0

HP1100 LC Pump Gradient Timetable

The gradient Timetable contains 8 entries which are :

Time	A%	B%	C%	D%	Flow	Pressure
0.00	90.0	10.0	0.0	0.0	0.300	400
2.00	90.0	10.0	0.0	0.0	0.300	400
5.00	10.0	90.0	0.0	0.0	0.300	400
9.00	10.0	90.0	0.0	0.0	0.300	400
9.50	0.0	100.0	0.0	0.0	0.300	400
14.00	0.0	100.0	0.0	0.0	0.300	400
14.50	90.0	10.0	0.0	0.0	0.300	400
20.00	90.0	10.0	0.0	0.0	0.300	400

HP1100 LC Pump External Event Timetable

The Timetable contains 6 entries which are :

Time	Column Switch	Contact1	Contact2	Contact3	Contact4
Initial	Off	Off	Off	Off	Off
0.00	Off	On	Off	Off	Off
0.05	Off	Off	Off	Off	Off
0.10	Off	Off	On	Off	Off
11.90	Off	Off	Off	On	Off
12.00	Off	Off	Off	Off	Off

HP1100 Autosampler Initial Conditions

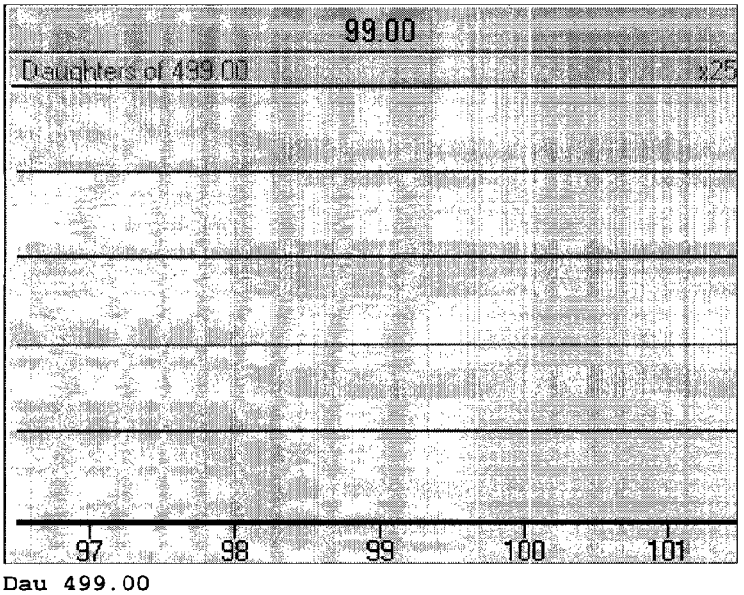
Draw Speed	200.0
Eject Speed (µl/min)	200
Draw Position (mm)	0.00
Stop Time (mins)	20.00
Injection Volume(µl)	15.0
Vial Number	99

Tuning Method Report **Page 1**

Method: **C:\MASSLYNX\FLUOROCHEMICALS.PRO\ACQUDB\FLUOROCHEMS**

Printed: **Mon Mar 01 10:37:59 2004**

KR 03/01/04



Dau 499.00

SOURCE (ESP-)	Set	Rdbk	Analyser	Set	Rdbk
Capillary	3.00	-2.93	LM Res 1	14.0	
Cone	20	-20	HM Res 1	14.0	
Hexapole 1	0.0		IEnergy 1	1.0	
Aperture 1	0.0		Entrance	-2	12
Hexapole 2	0.0		Collision	15	14
Source Block Temp.	100	100	Exit	2	16
Desolvation Temp.	300	299	LM Res 2	14.0	
			HM Res 2	14.0	
			IEnergy 2	2.0	
			Multiplier	650	-648

Pressures	Rdbk	Gas Flows	Rdbk
Analyser Vacuum	OFF	Cone Gas	129.9
Gas Cell	3.0e-3	Desolvation	749.8

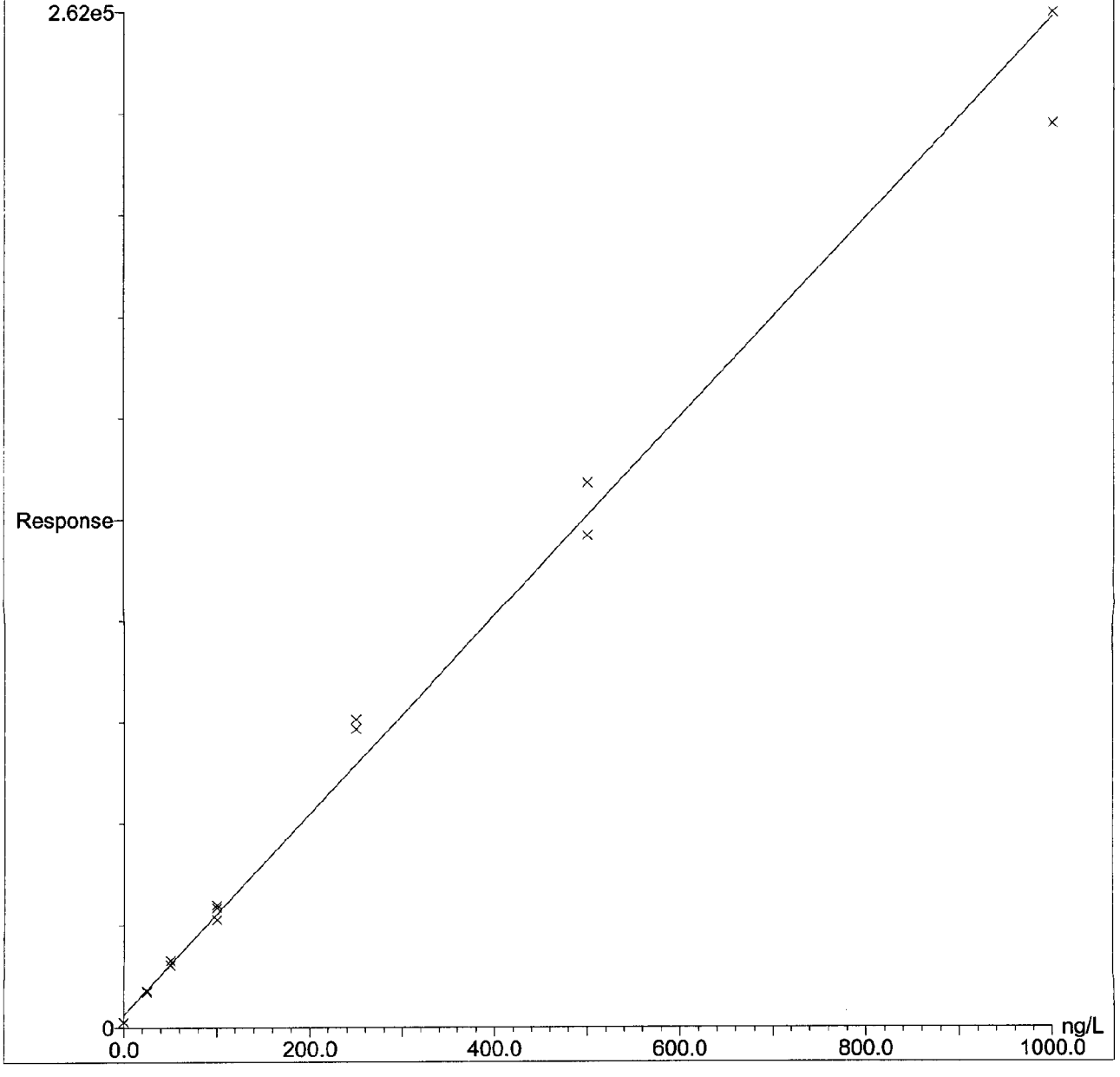
CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Quantify Calibration Report Page 1
Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Calibration: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\CurveDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:21:48 2004
Printed: Tue Mar 02 14:05:18 2004

KJR 03/02/04 pages 1-5

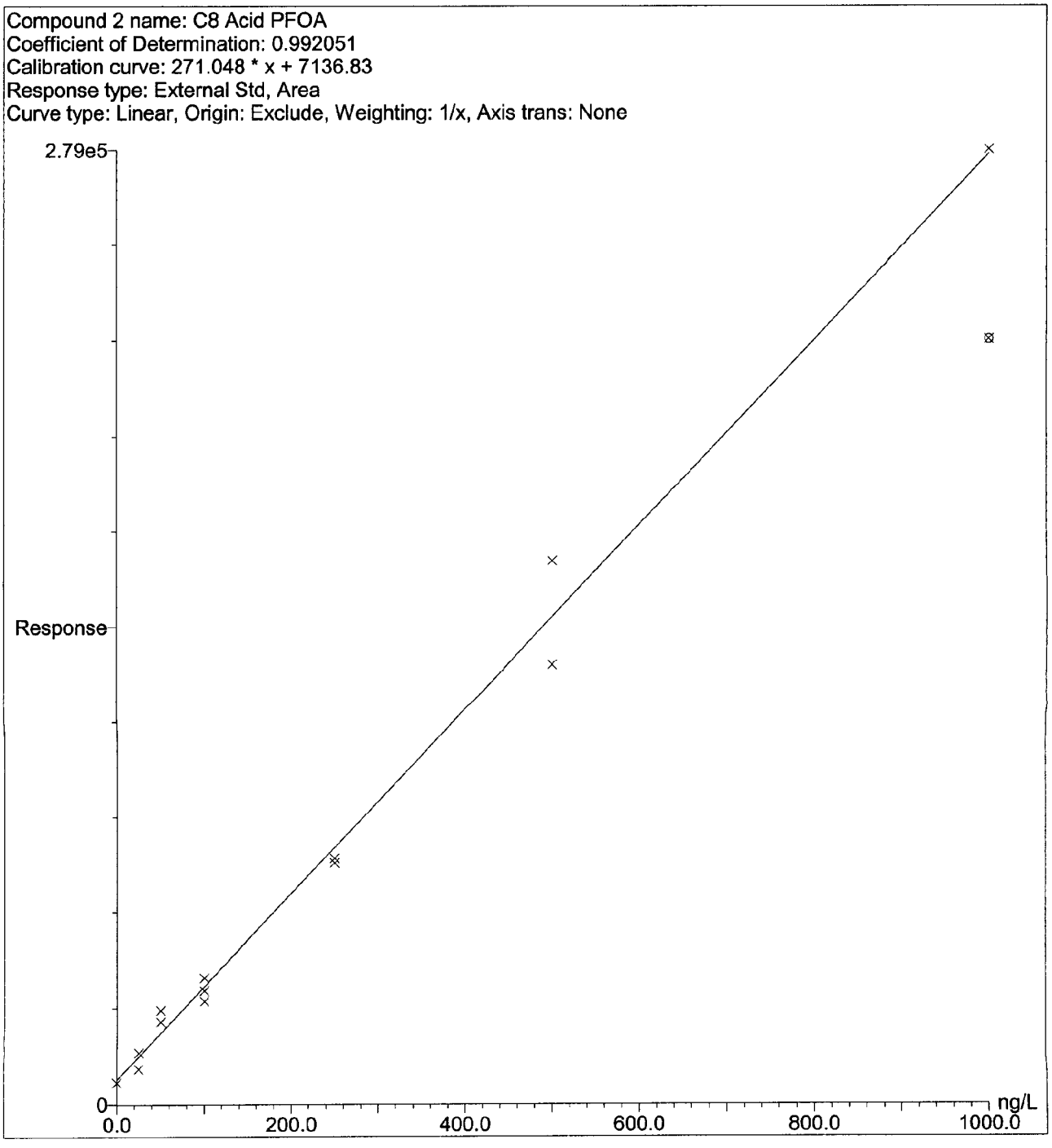
Compound 1 name: C6 Acid PFHA
Coefficient of Determination: 0.988257
Calibration curve: 258.118 * x + 3246.64
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Exygen Research, 3058 Research Drive, State College, PA 16801

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Calibration: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\CurveDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:21:48 2004
Printed: Tue Mar 02 14:05:18 2004

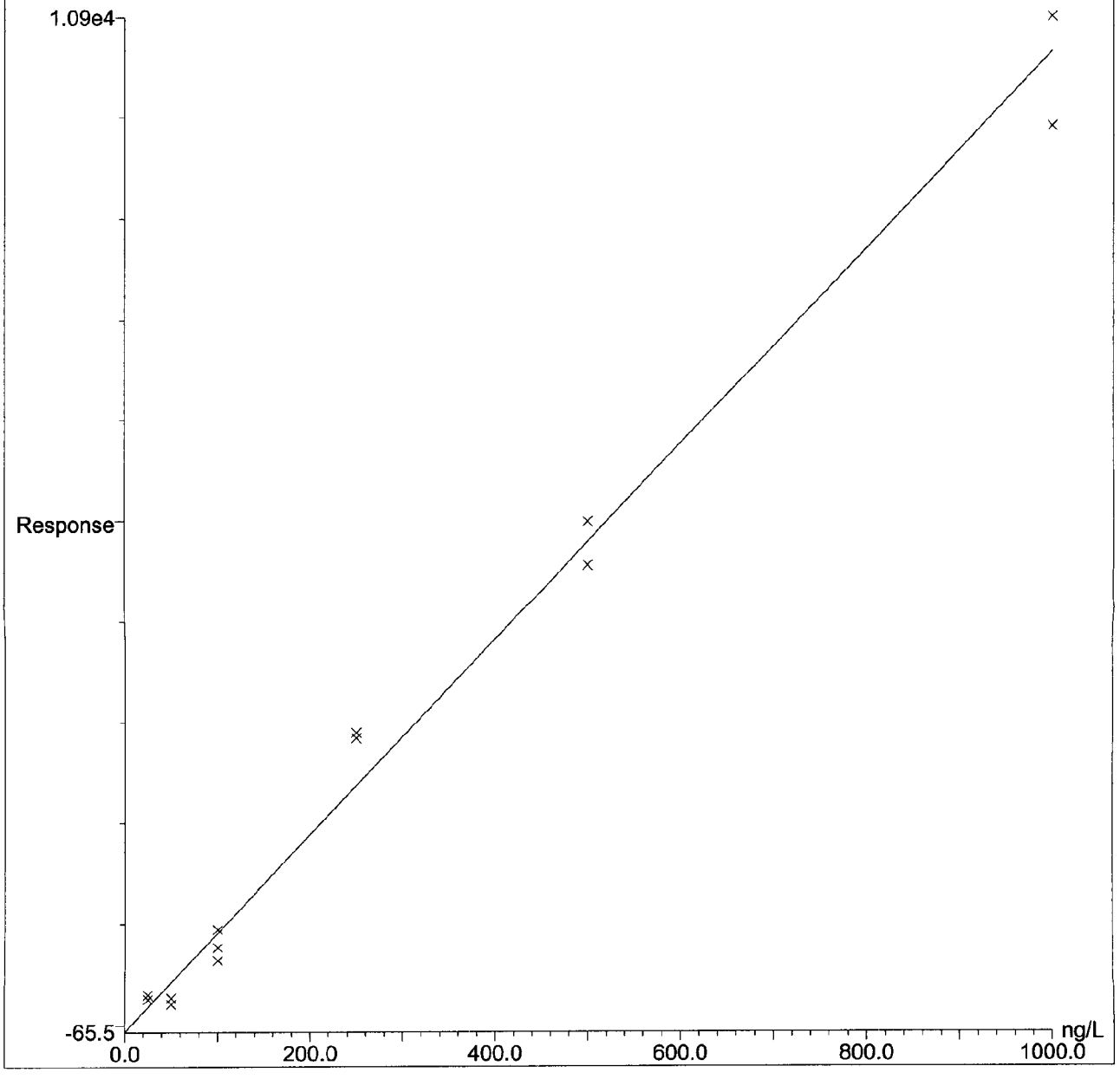


Exygen Research, 3058 Research Drive, State College, PA 16801

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Calibration: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\CurveDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:21:48 2004
Printed: Tue Mar 02 14:05:18 2004

Compound 3 name: C4 Sulfonate PFBS
Coefficient of Determination: 0.989254
Calibration curve: 10.6151 * x + -65.5462
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

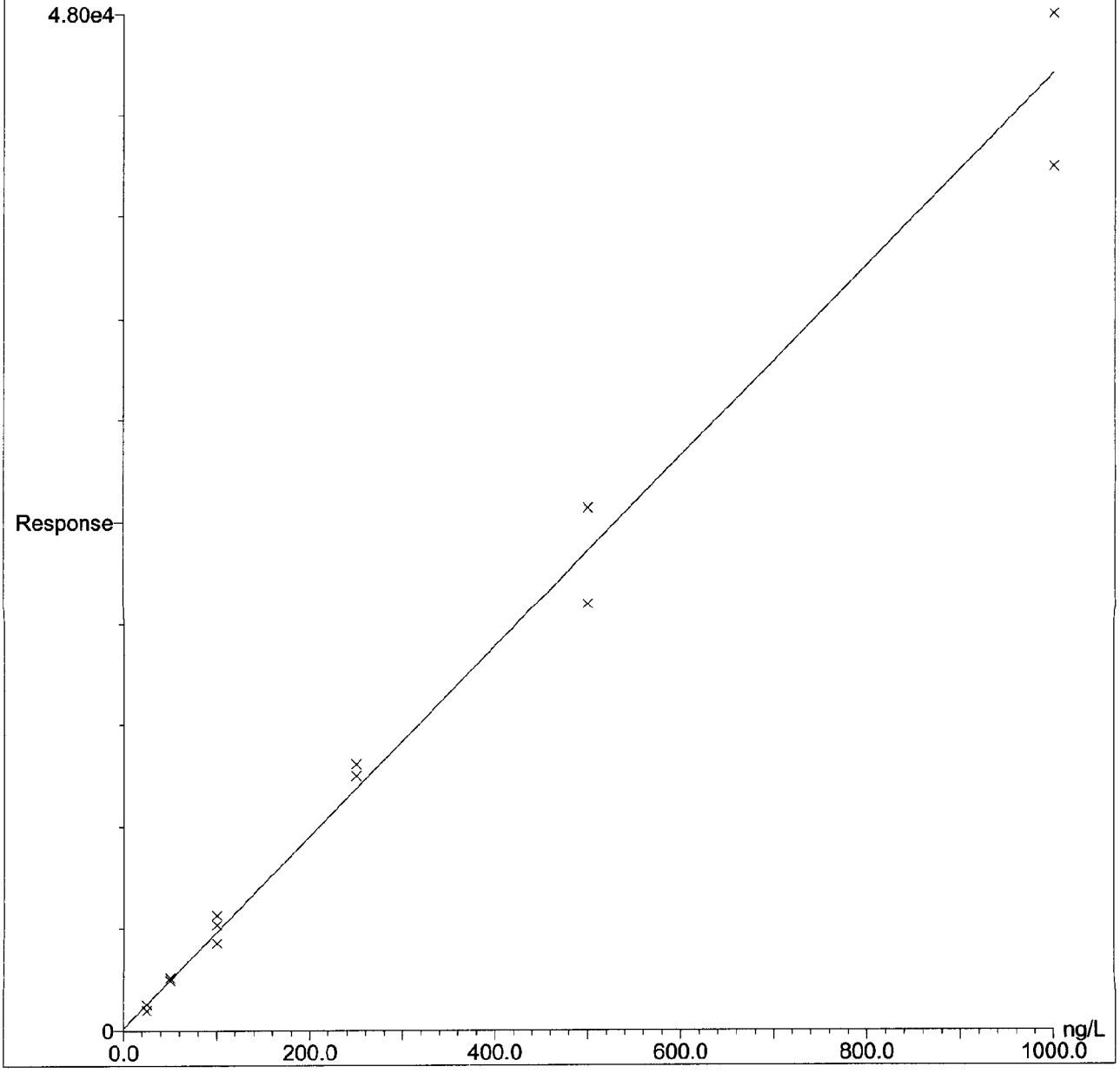


Exygen Research, 3058 Research Drive, State College, PA 16801

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Calibration: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\CurveDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:21:48 2004
Printed: Tue Mar 02 14:05:18 2004

Compound 4 name: C6 Sulfonate PFHS
Coefficient of Determination: 0.985908
Calibration curve: 45.0307 * x + 115.215
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Exygen Research, 3058 Research Drive, State College, PA 16801

Calibration: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\CurveDB\021804AR CG ACSFM
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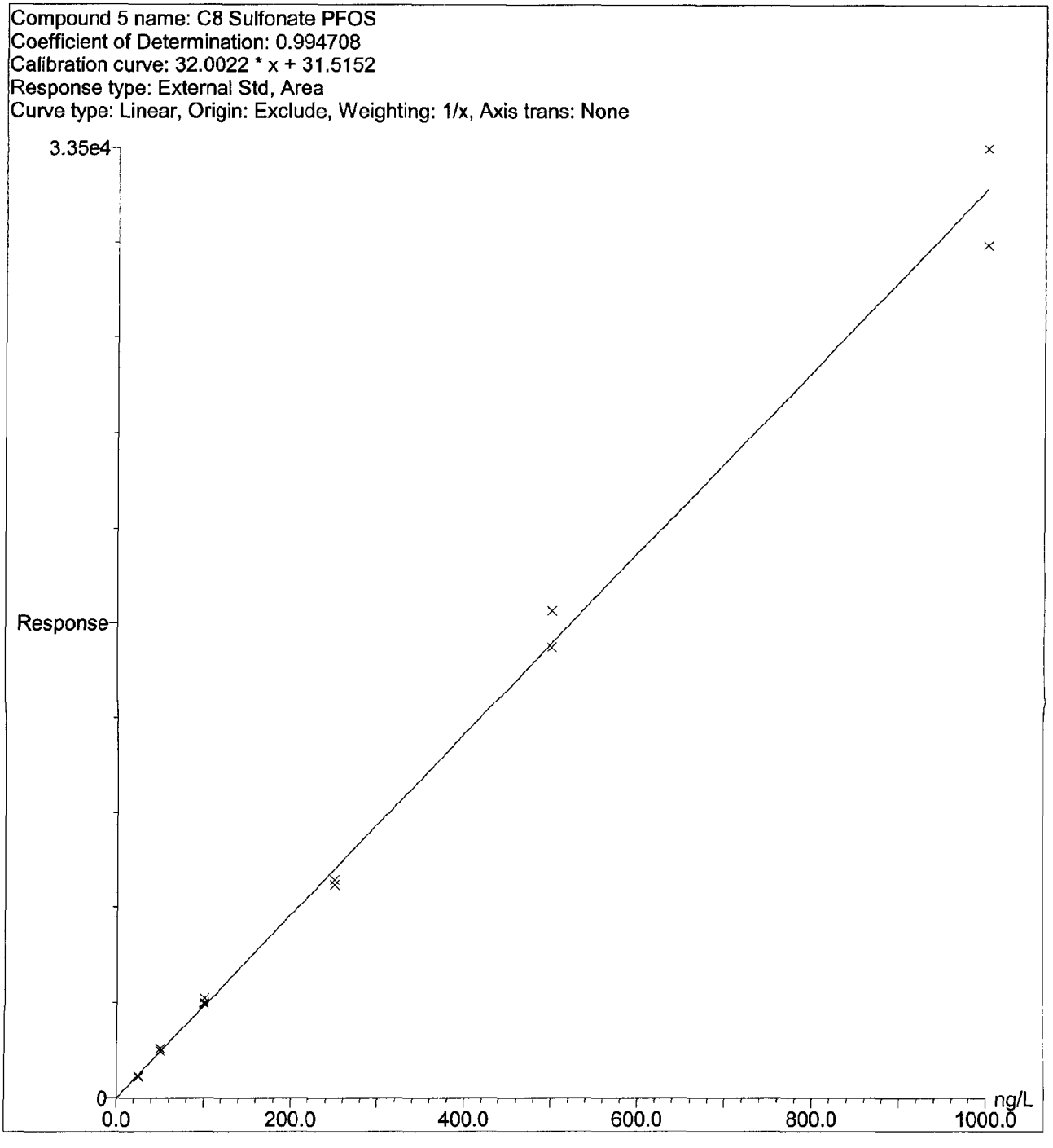
Printed: Tue Mar 02 14:05:18 2004



Exygen Research, 3058 Research Drive, State College, PA 16801

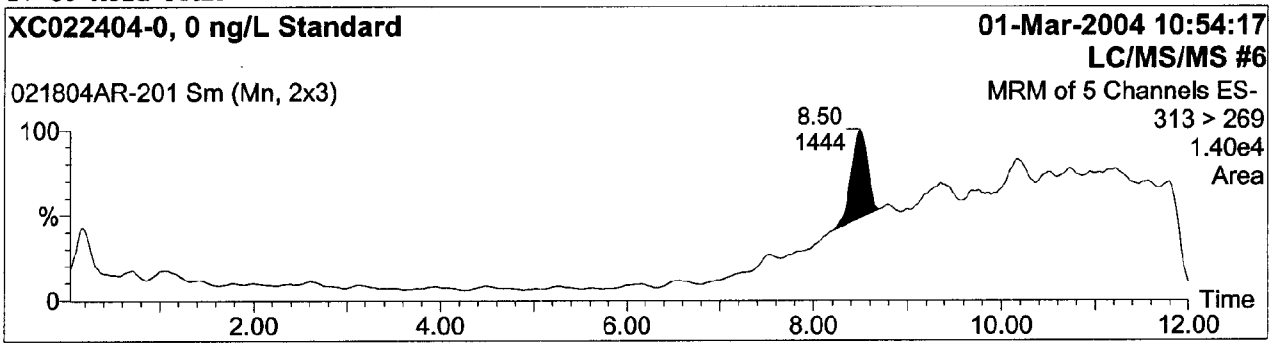
Quantify Sample Report Page 1
Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

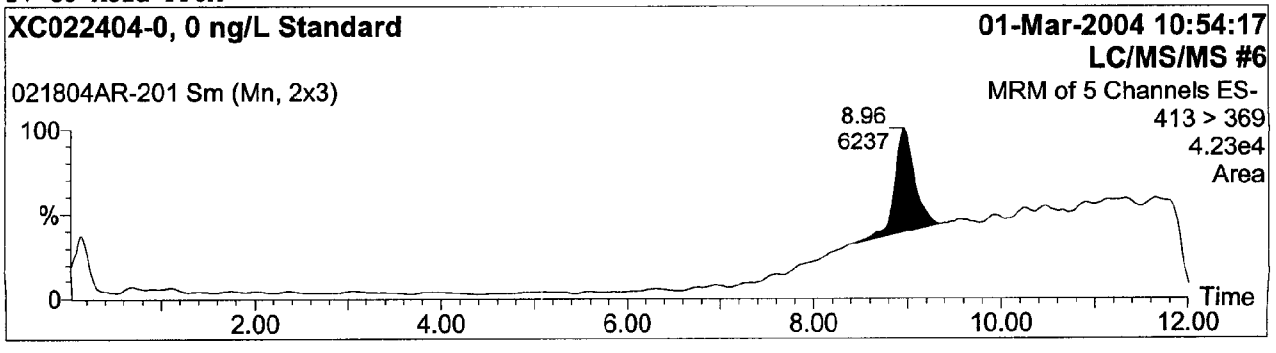
Initials
Date 03/02/04
Printed: Tue Mar 02 14:05:22 2004 Run# 021804AR-201 To 021804AR-269

Name: 021804AR-201
Text:

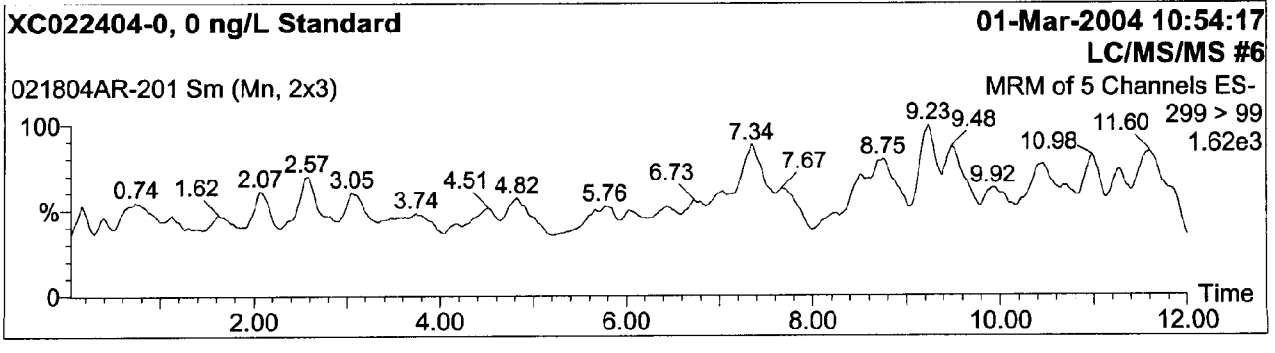
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



Exygen Research, 3058 Research Drive, State College, PA 16801

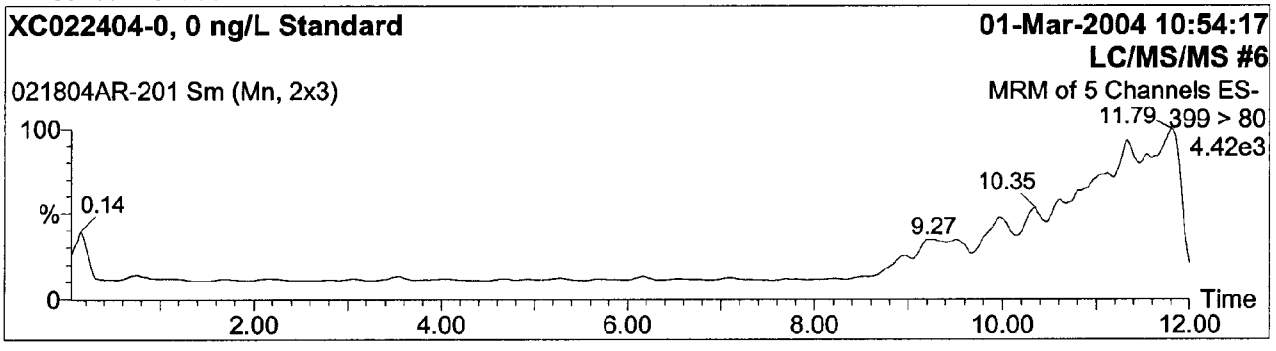
CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

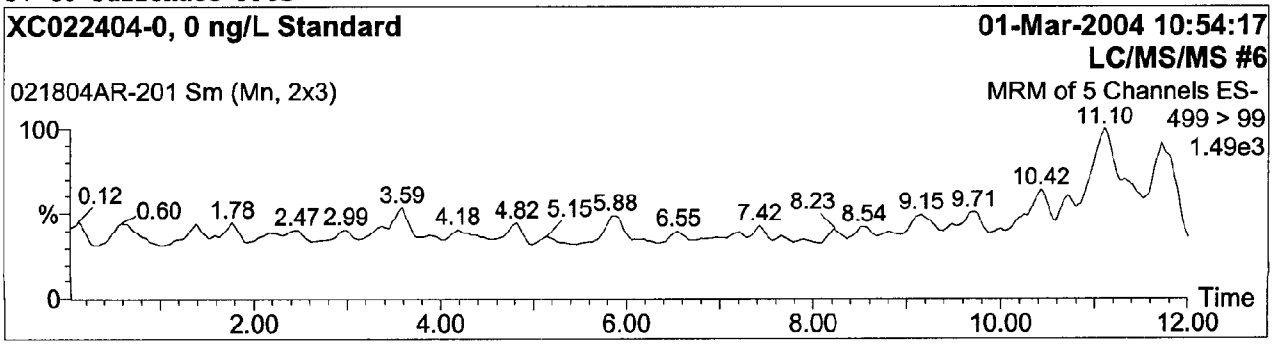
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-201
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

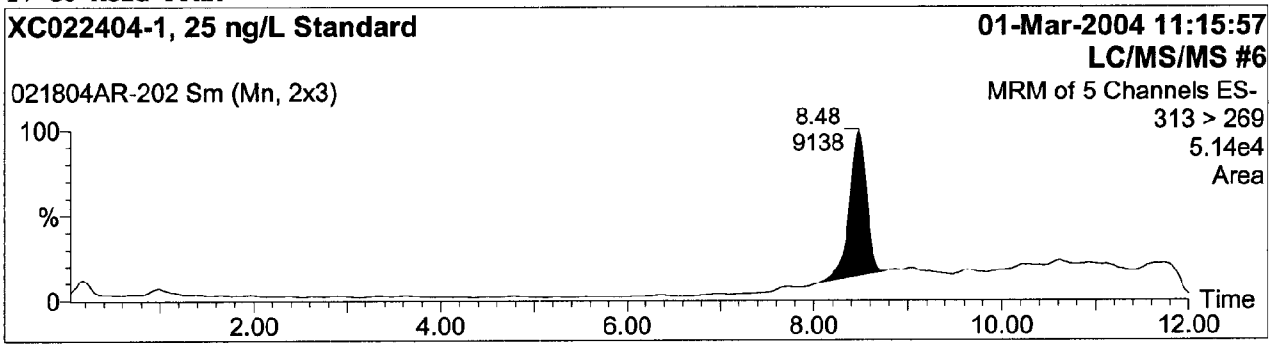
Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

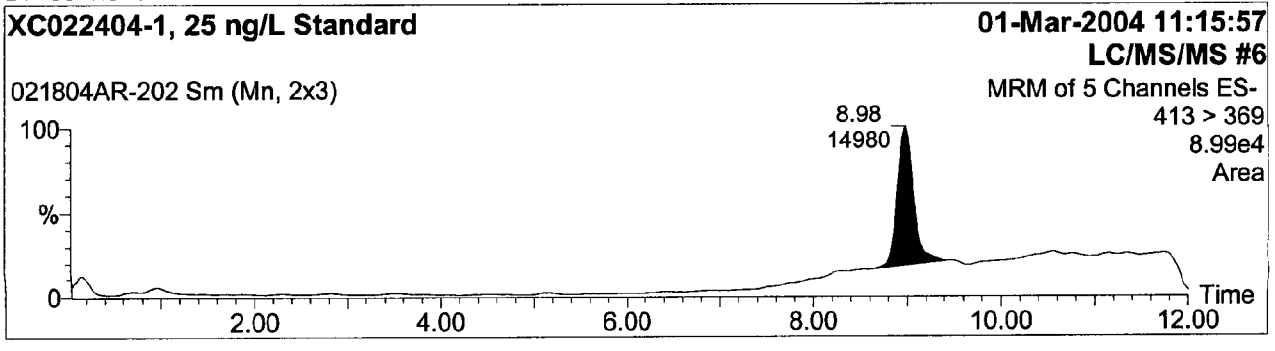
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-202
Text:

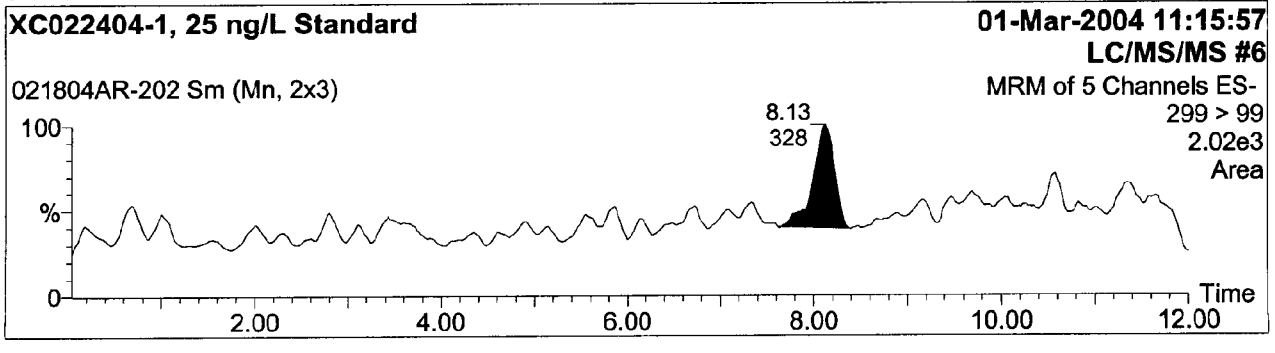
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

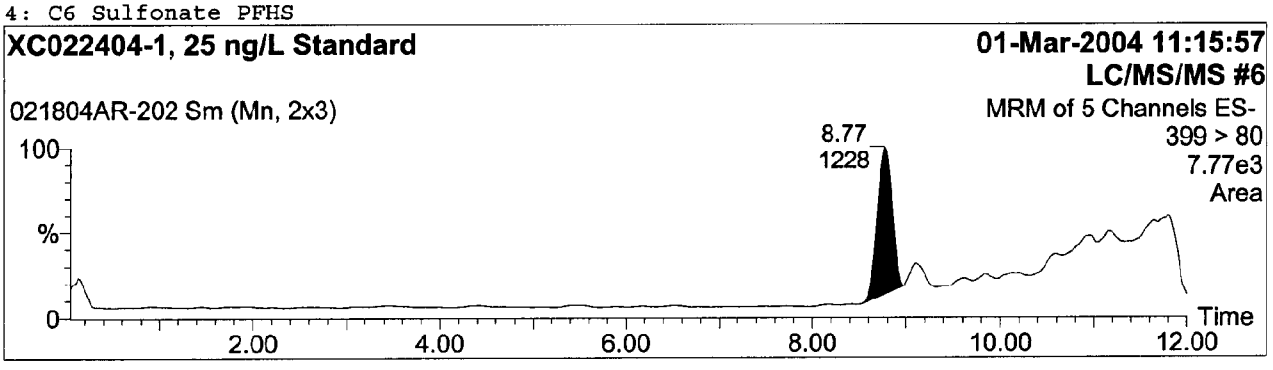
Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

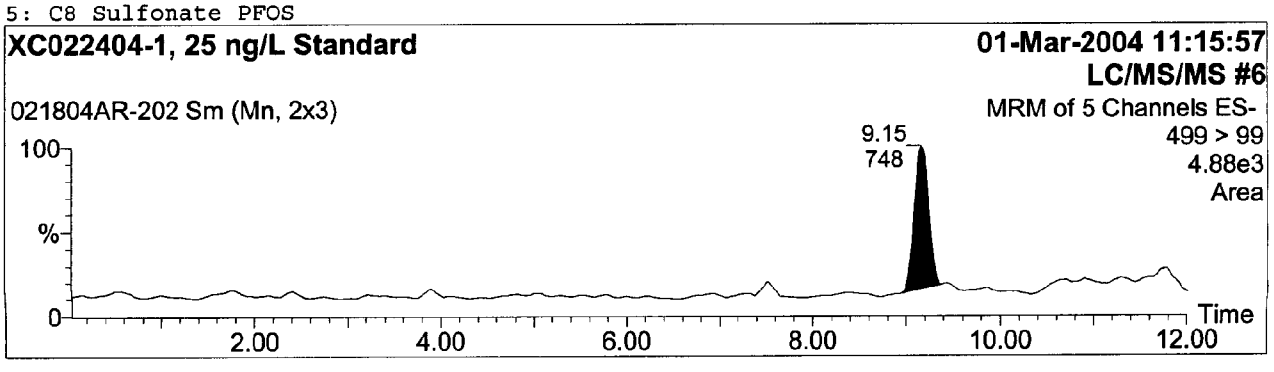
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-202
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

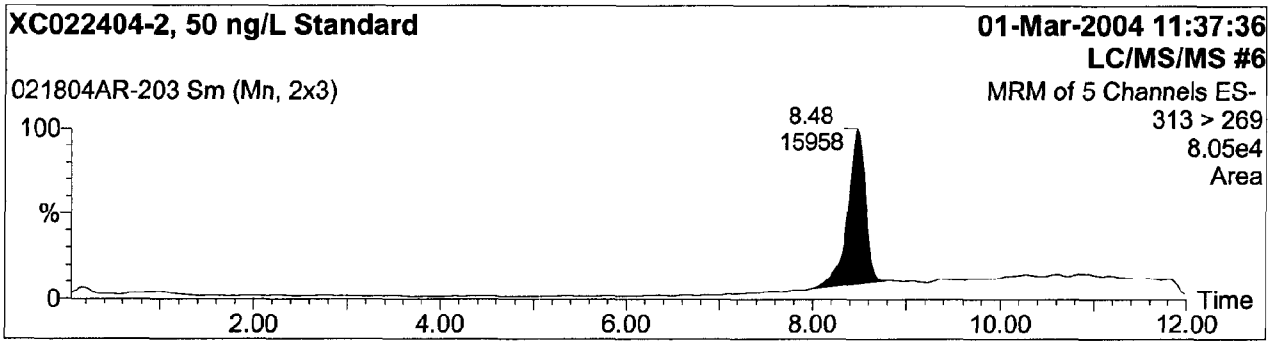
Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

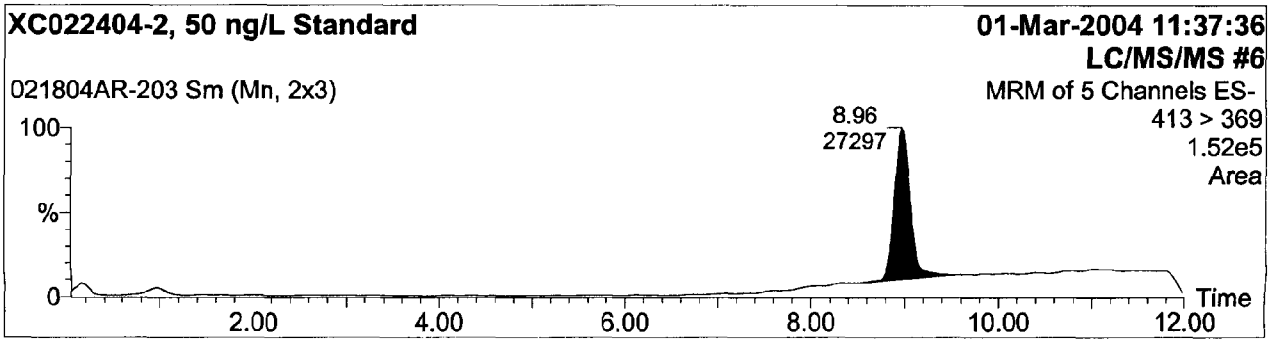
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-203
Text:

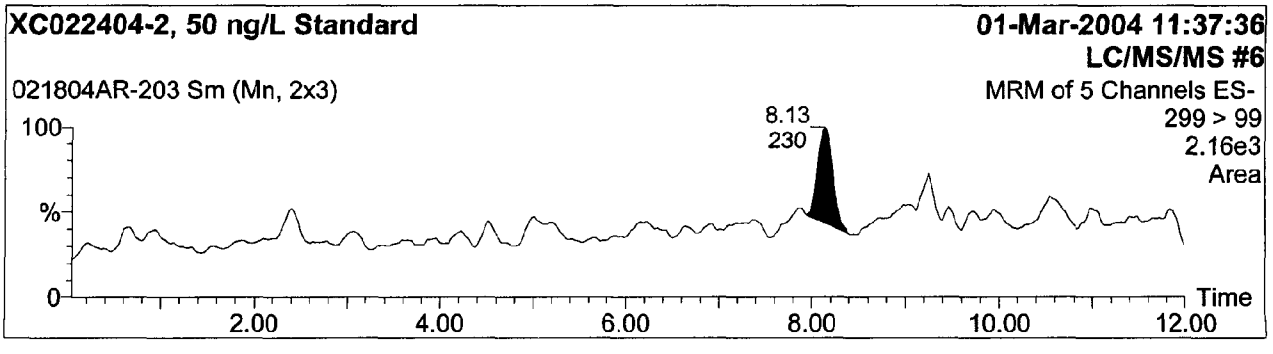
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



Exygen Research, 3058 Research Drive, State College, PA 16801

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

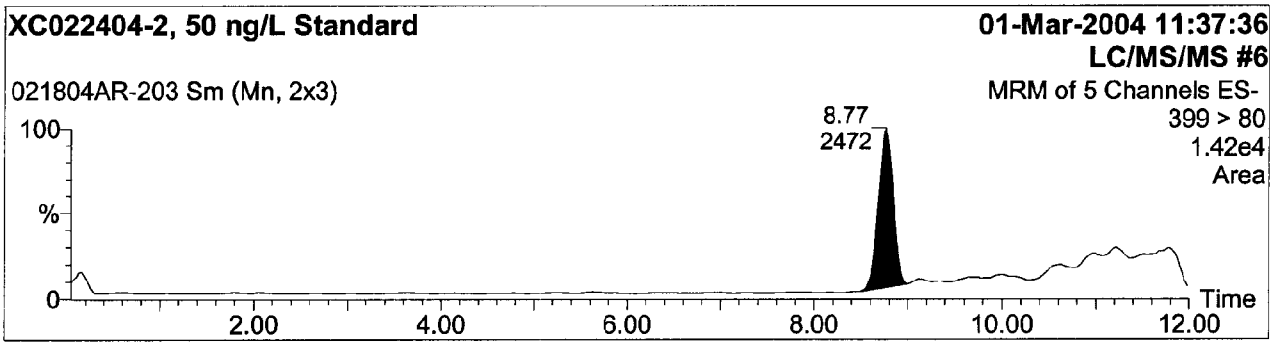
Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

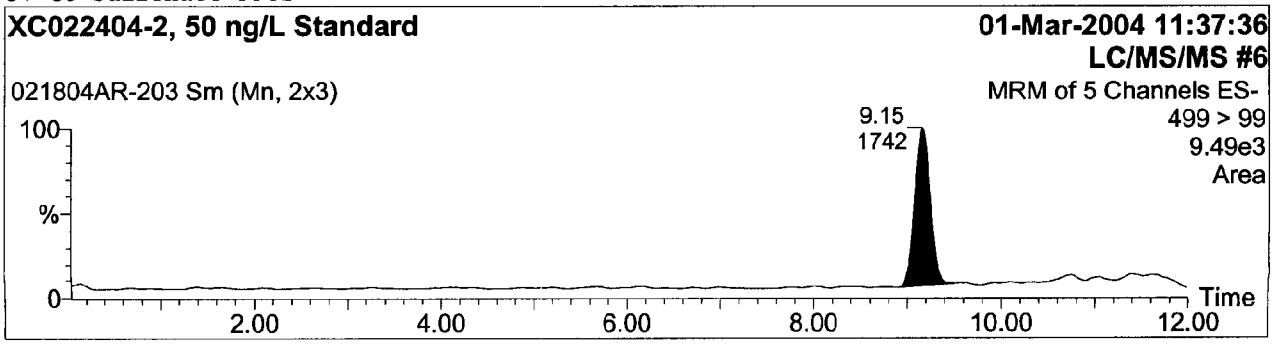
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-203
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

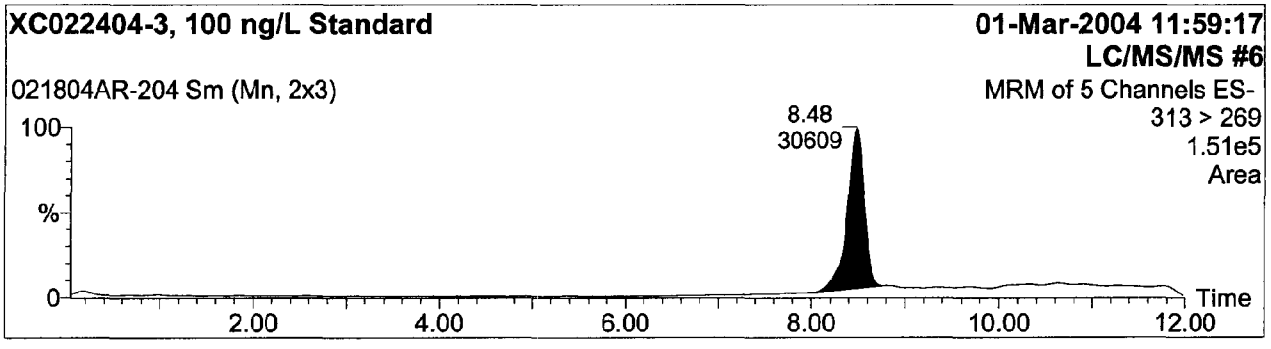
Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

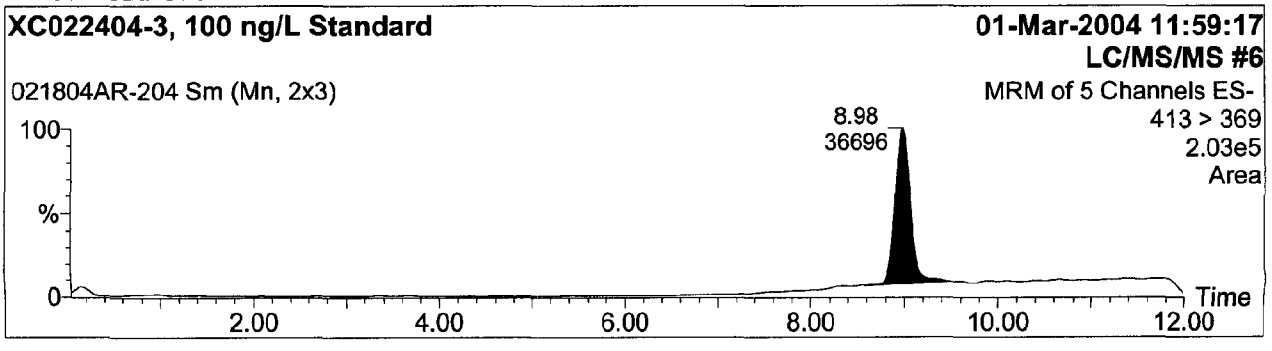
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-204
Text:

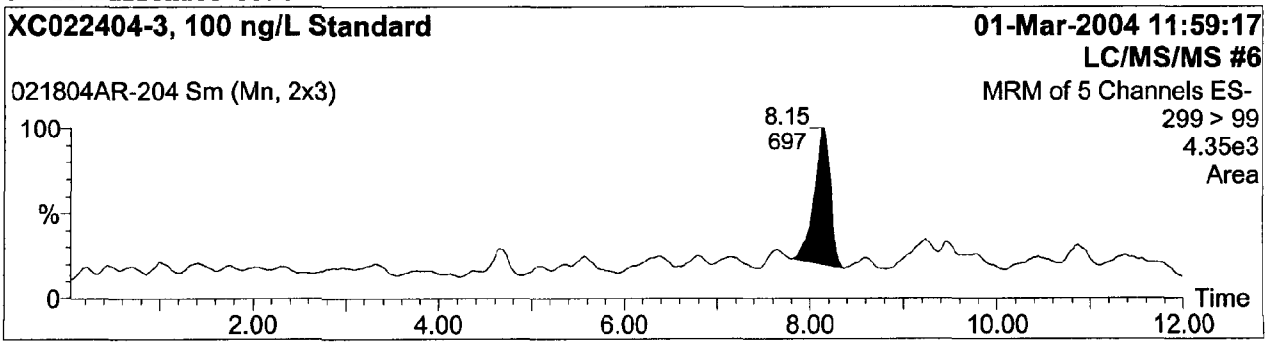
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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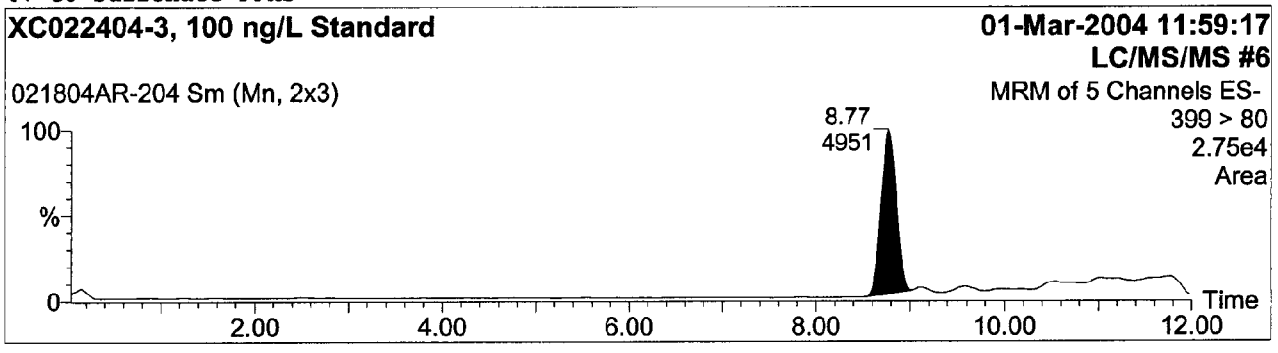
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

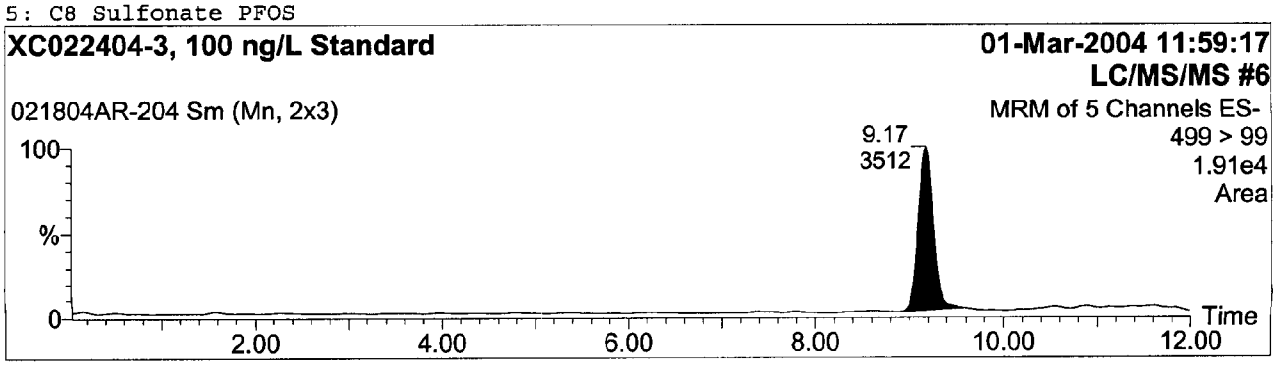
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-204
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



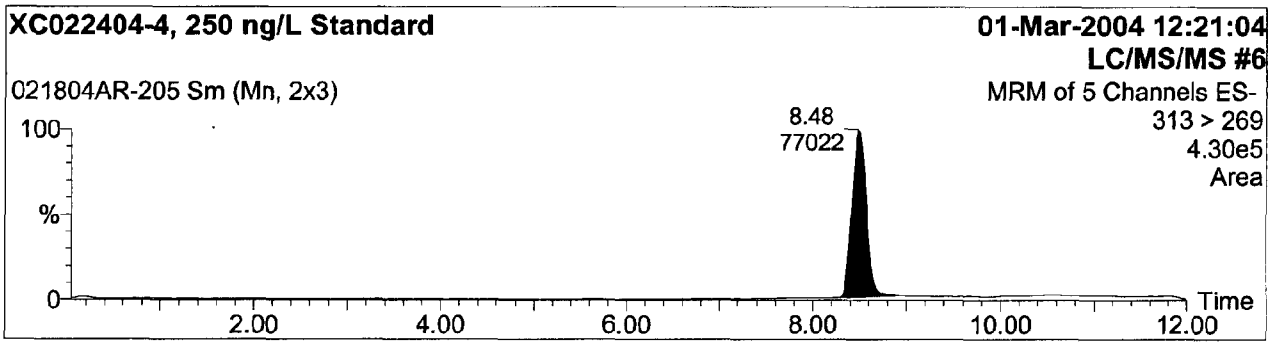
CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

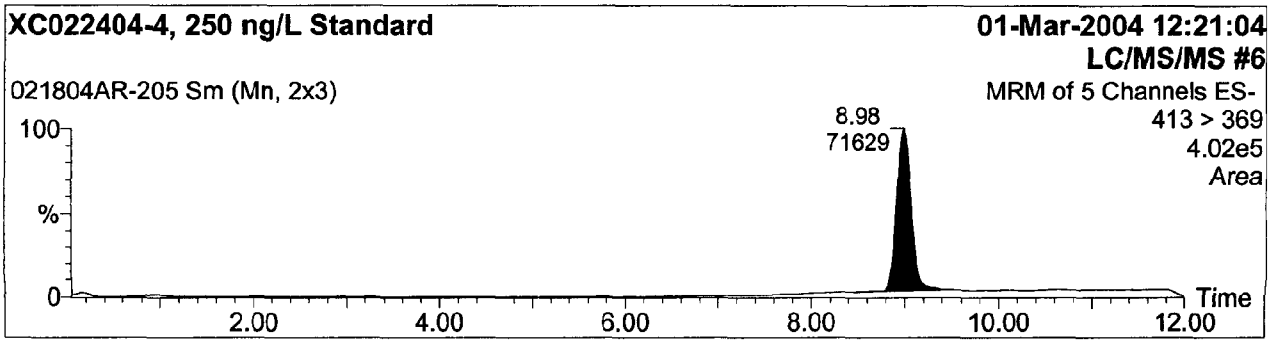
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-205
Text:

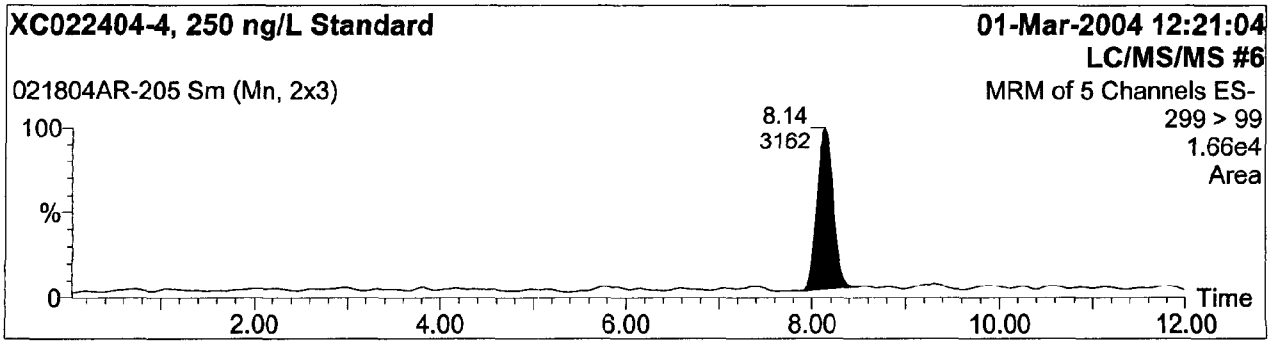
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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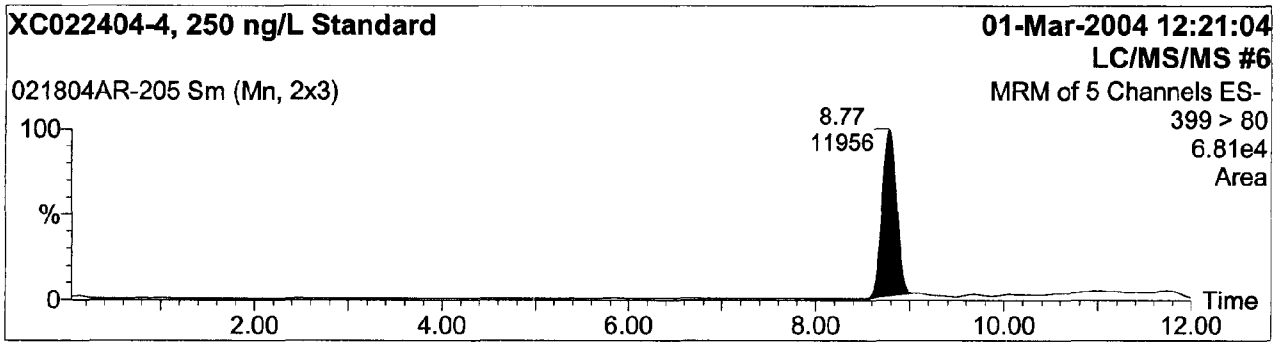
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

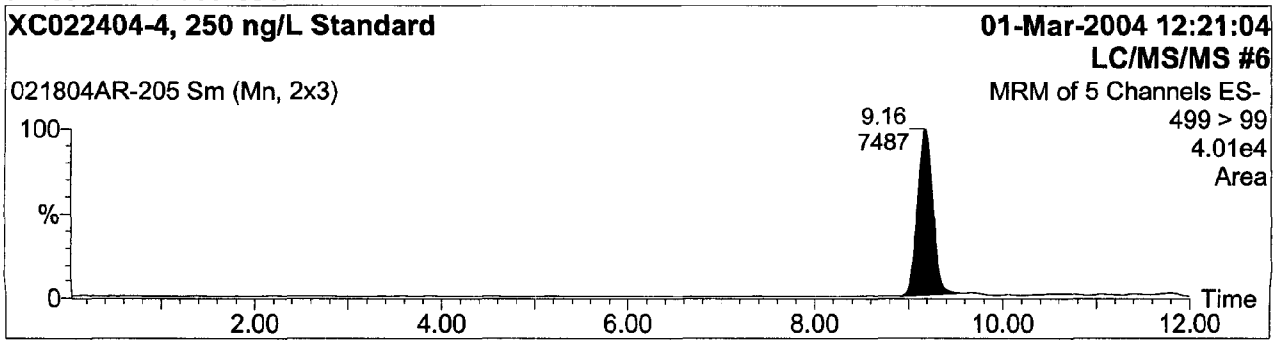
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-205
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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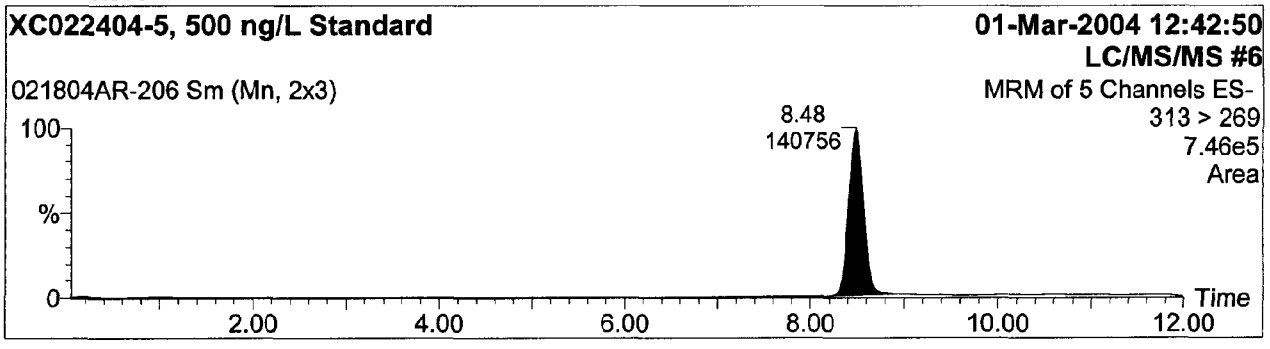
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

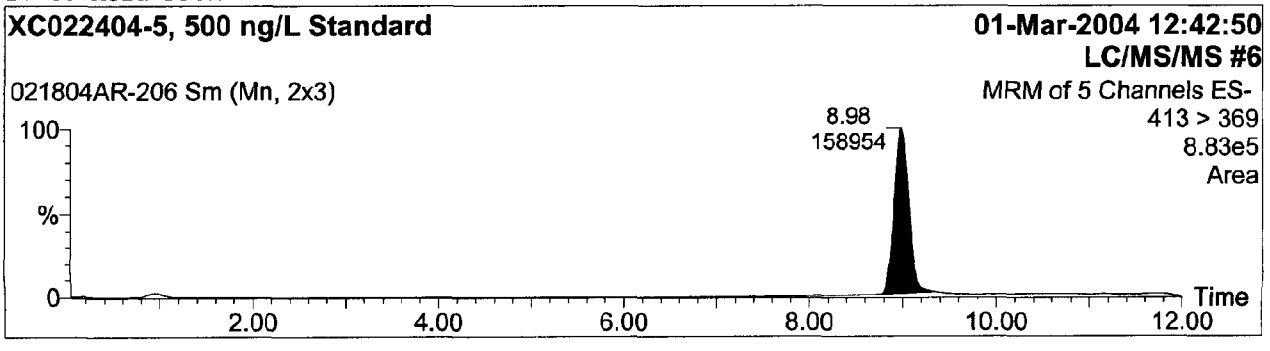
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-206
Text:

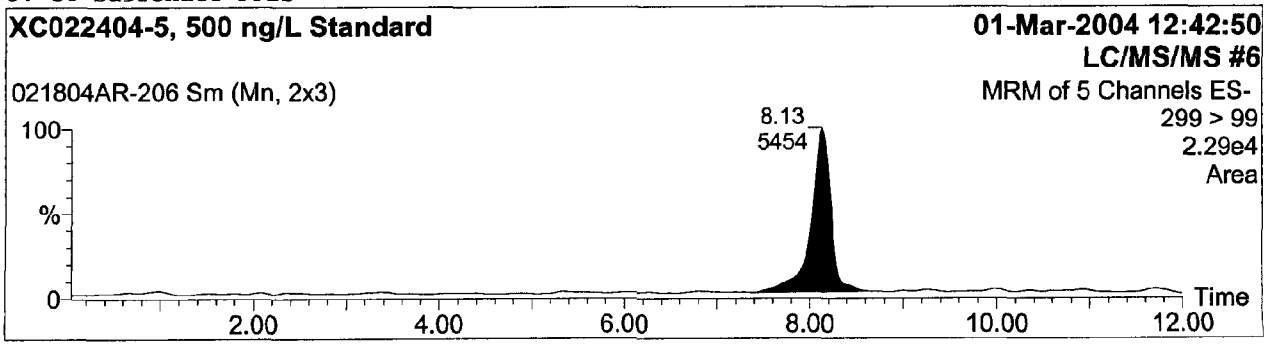
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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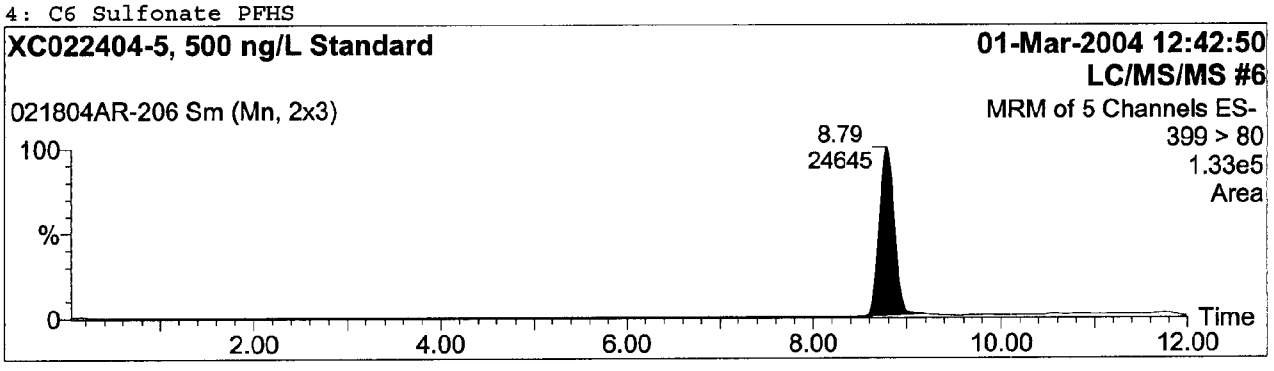
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

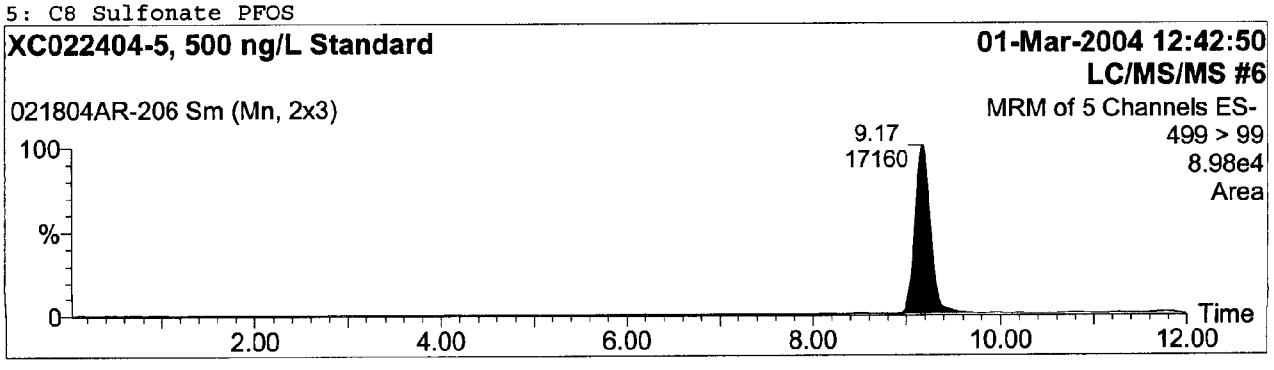
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-206
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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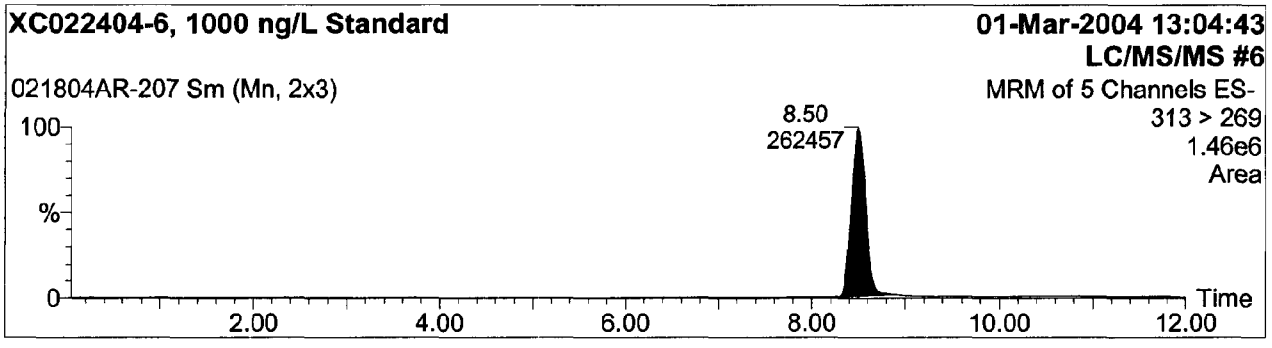
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

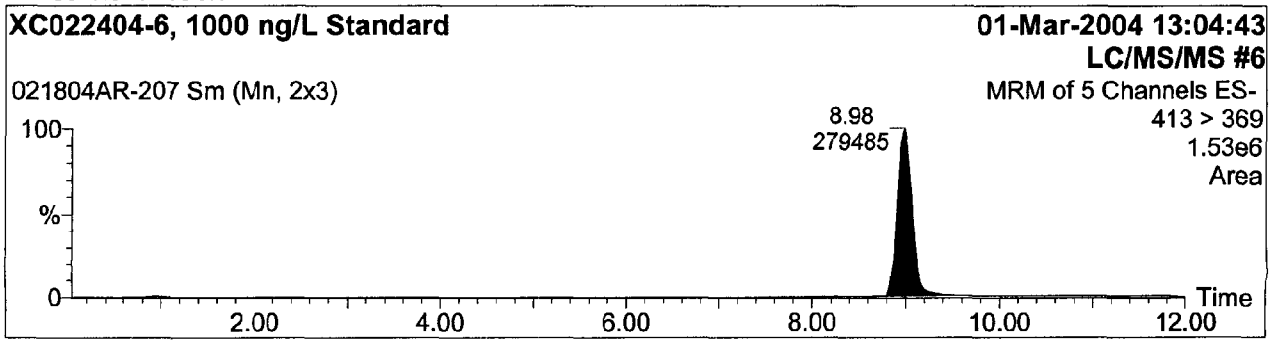
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-207
Text:

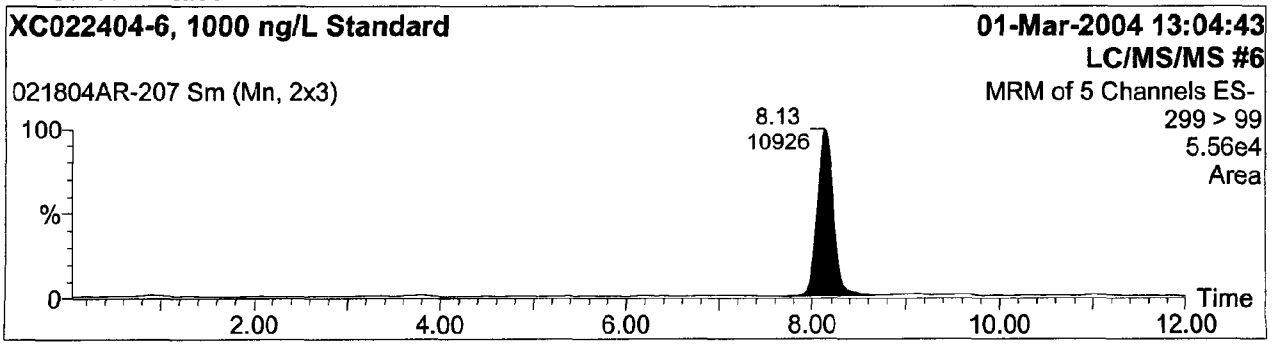
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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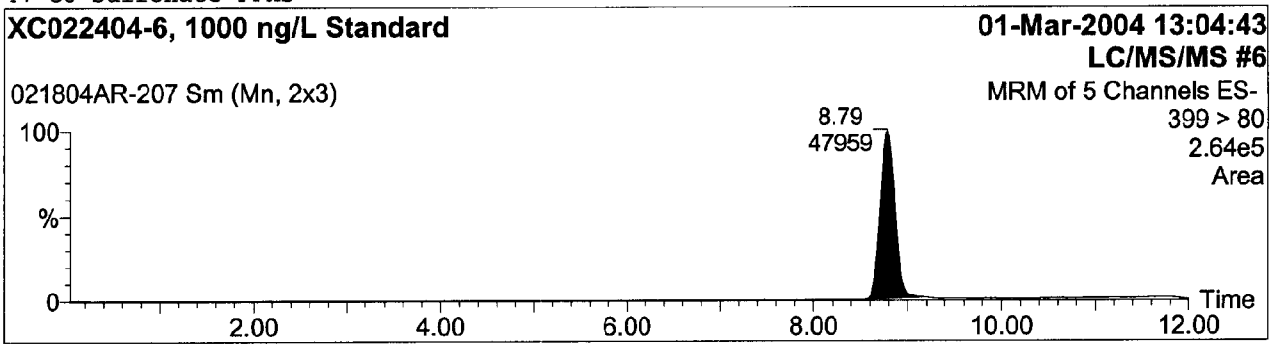
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

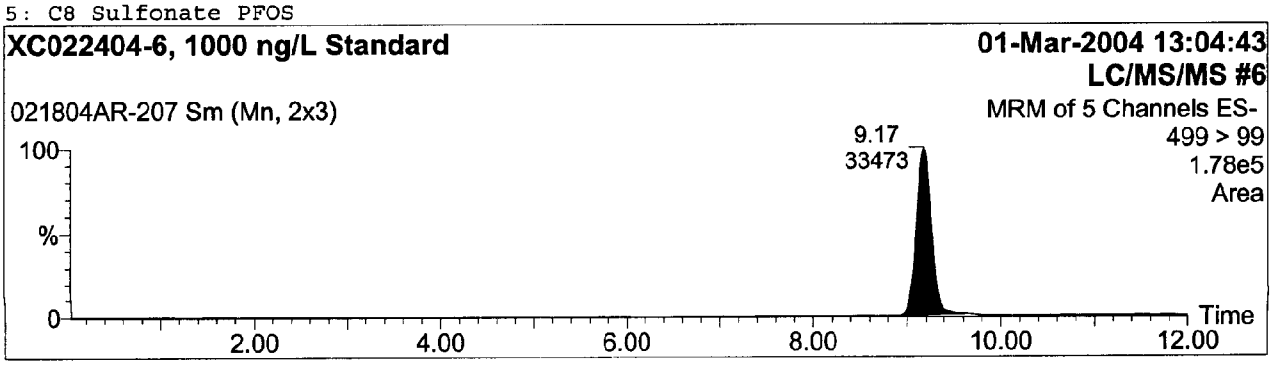
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-207
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



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Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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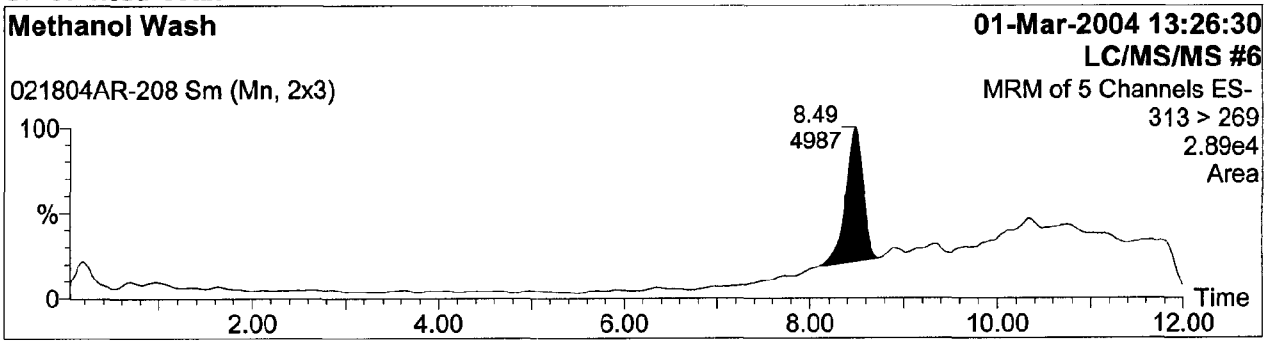
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

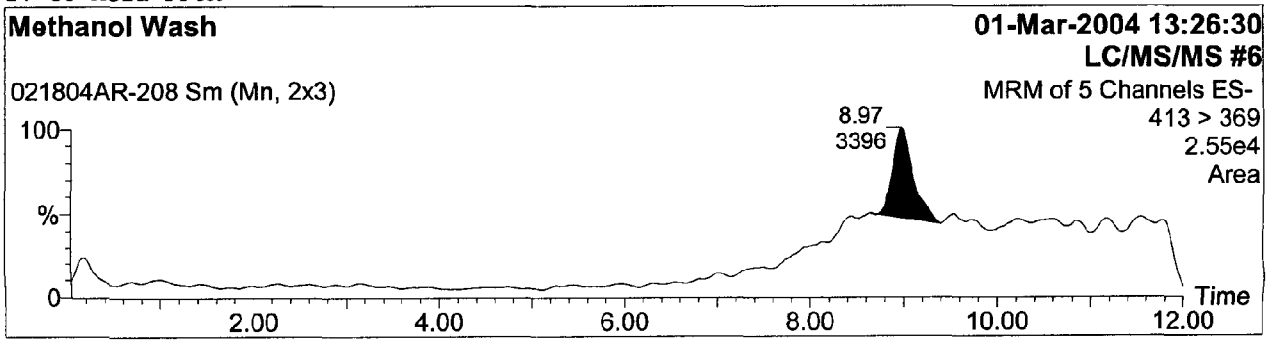
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-208
Text:

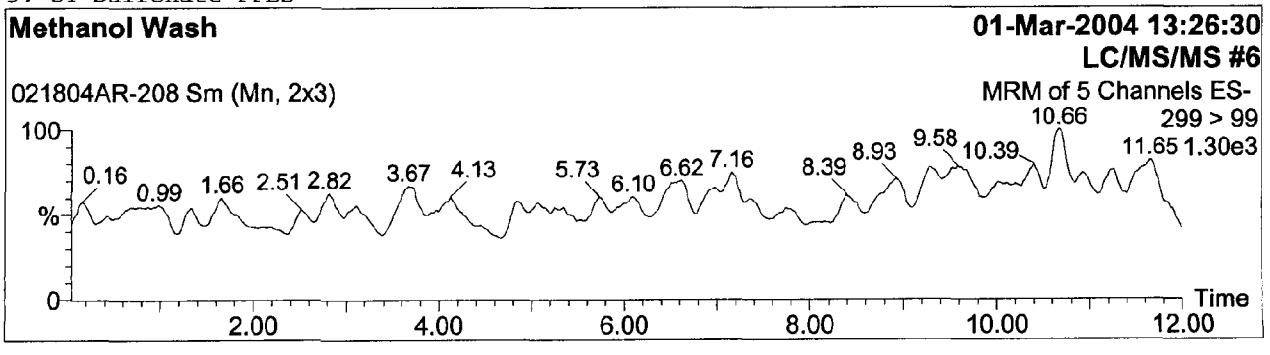
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



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Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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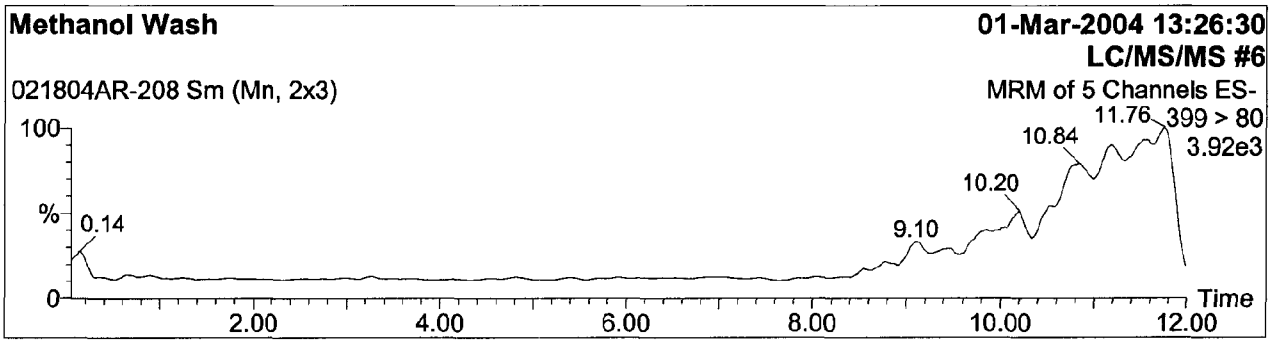
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

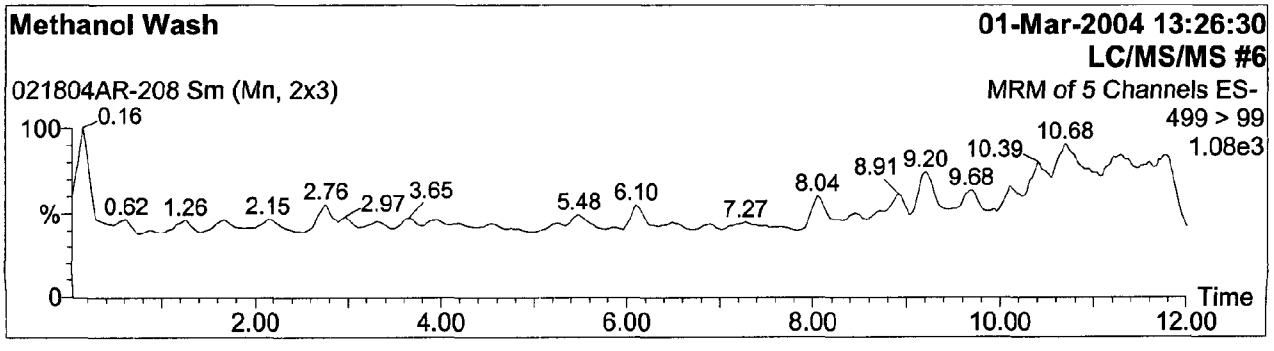
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-208
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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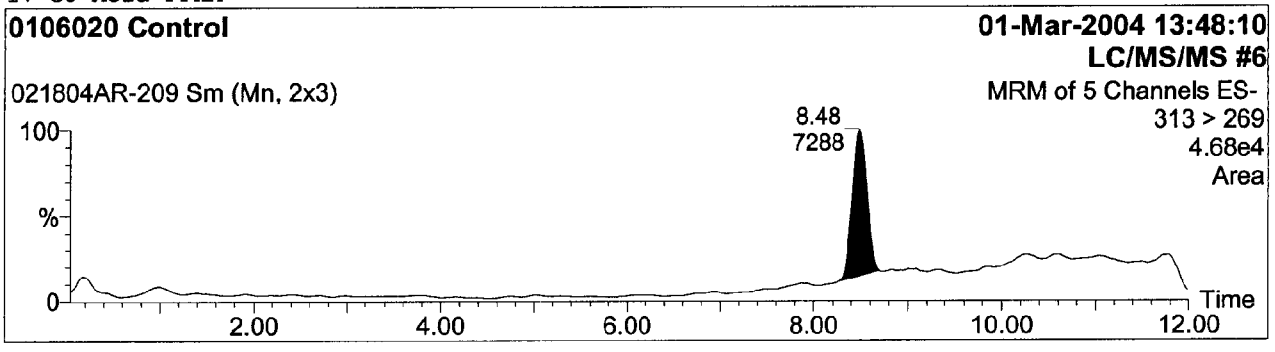
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

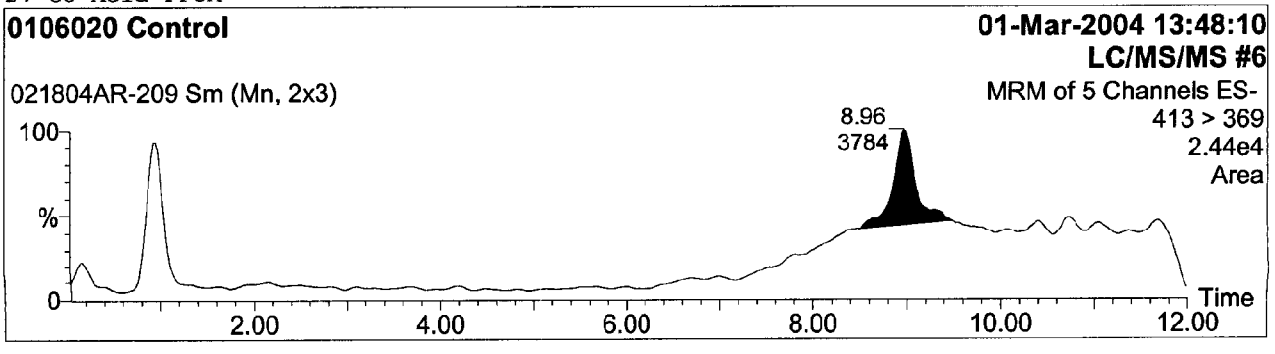
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-209
Text:

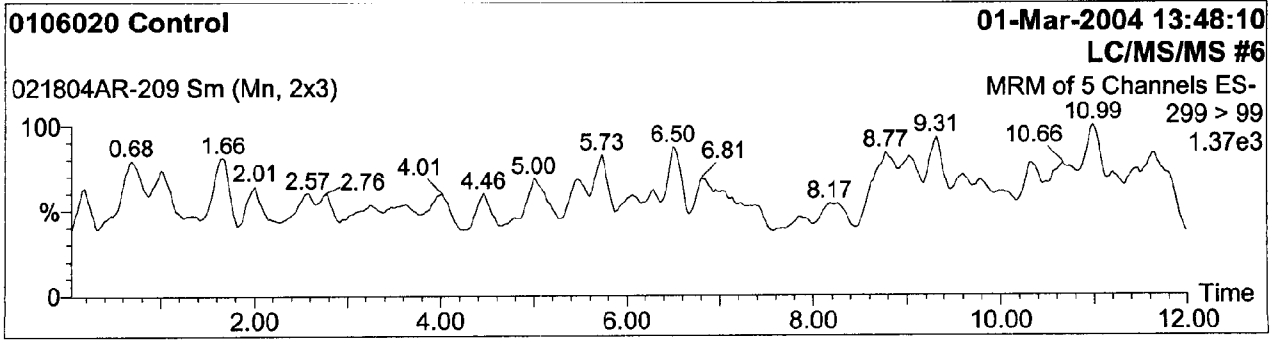
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



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Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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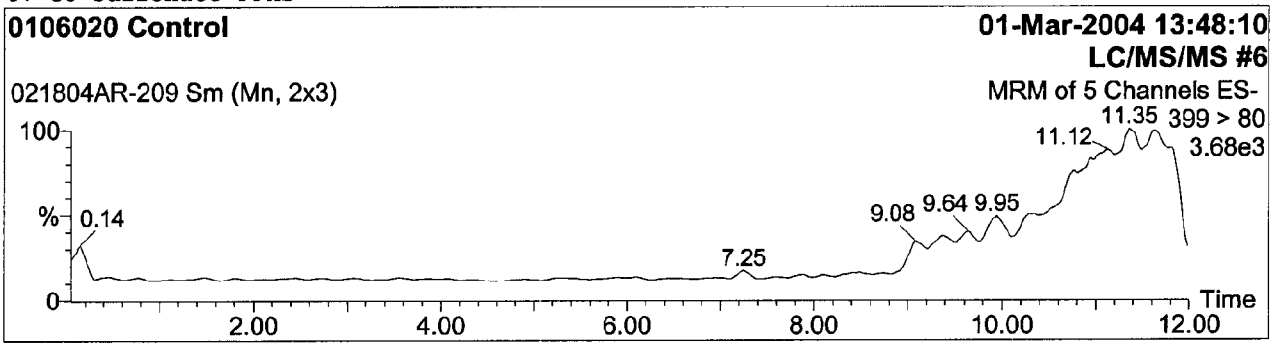
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

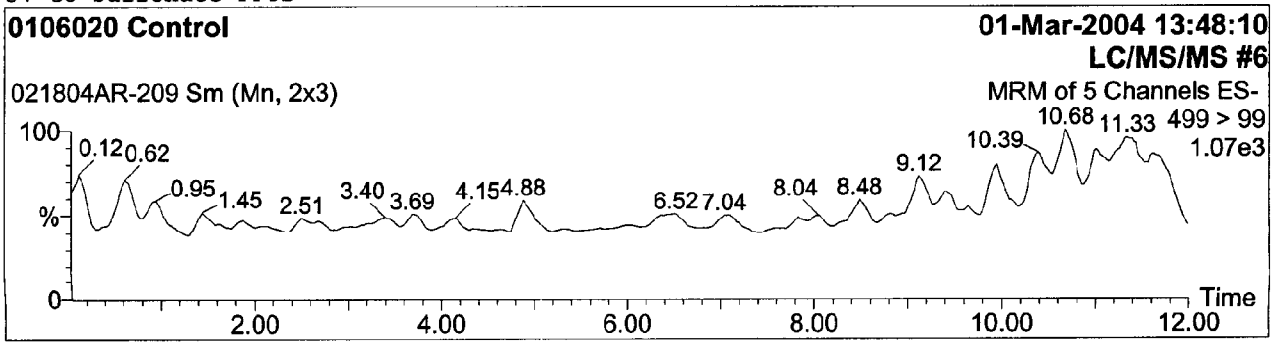
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-209
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



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Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

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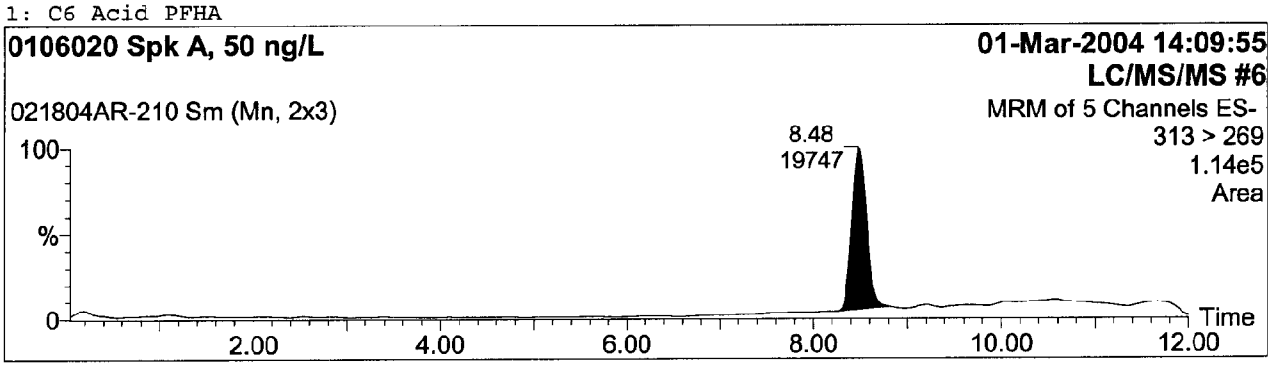
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

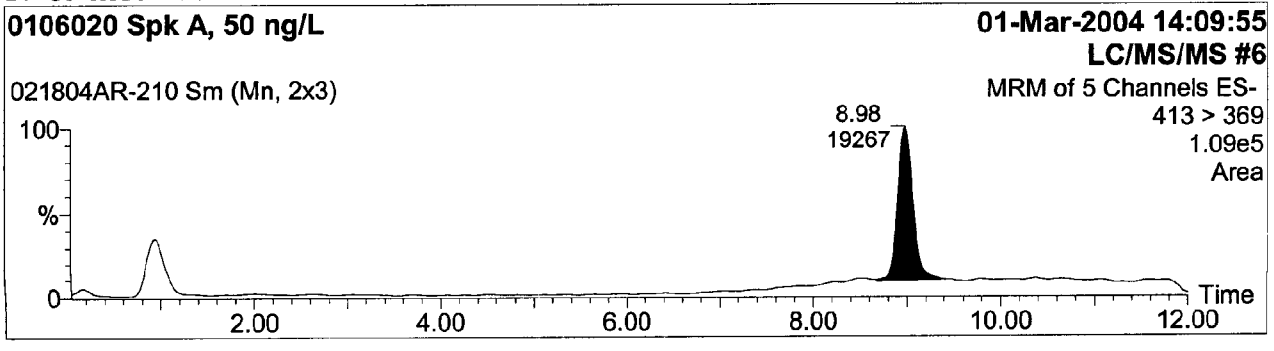
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-210
Text:

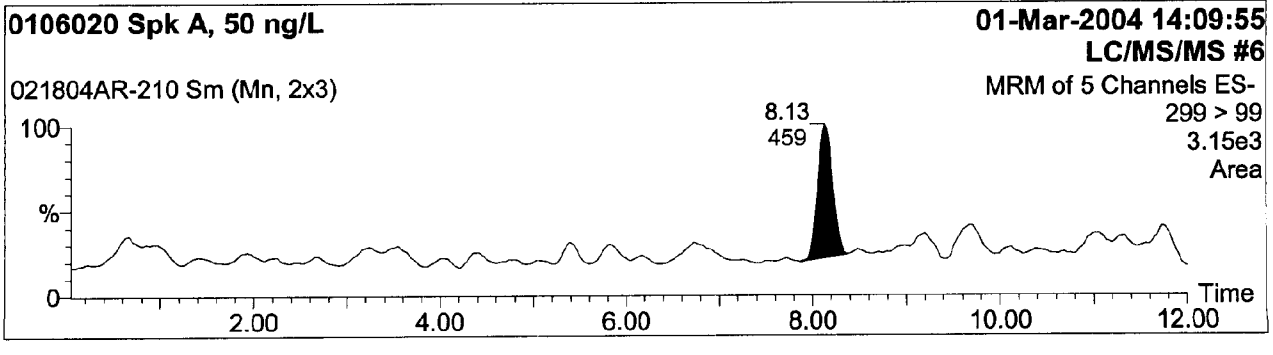
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



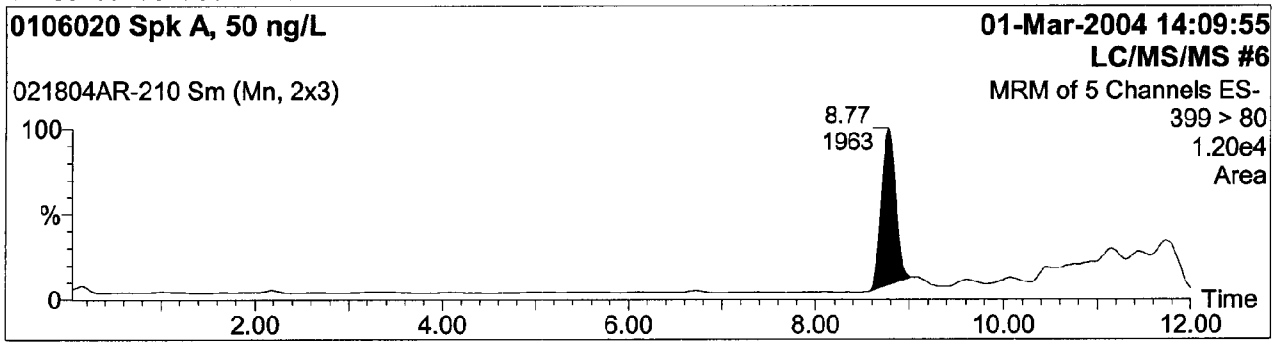
CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

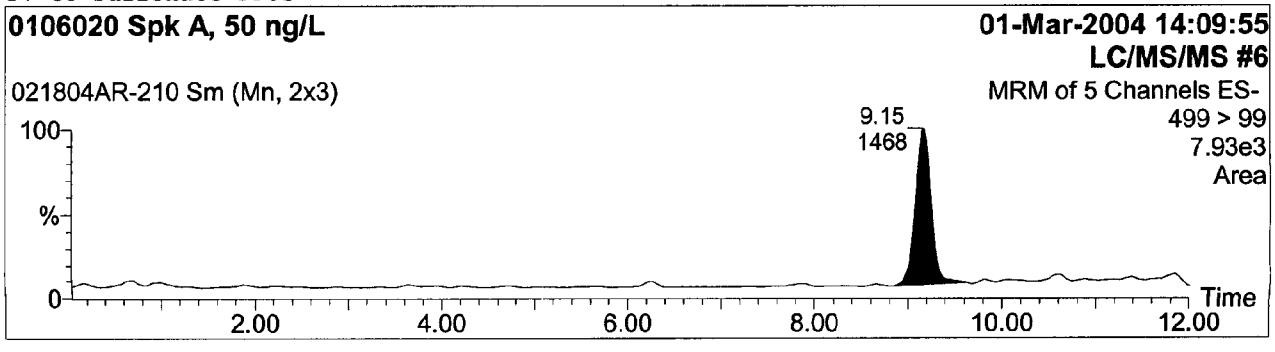
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-210
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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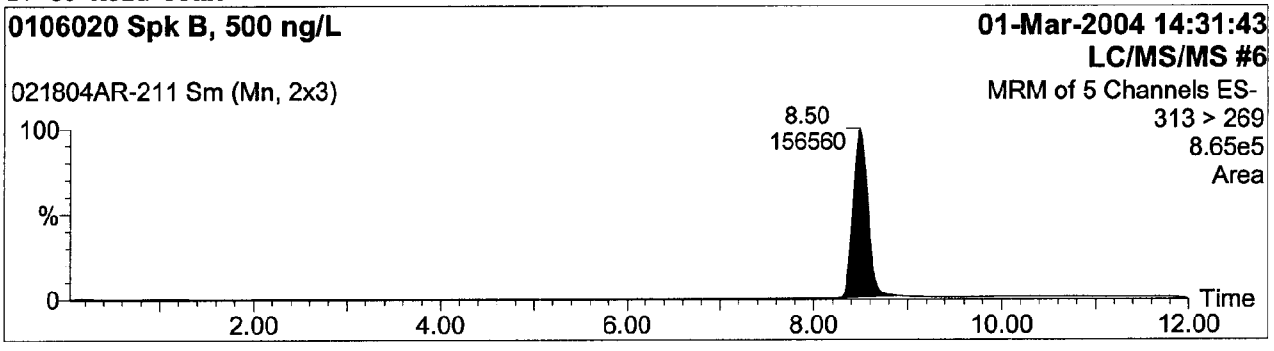
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

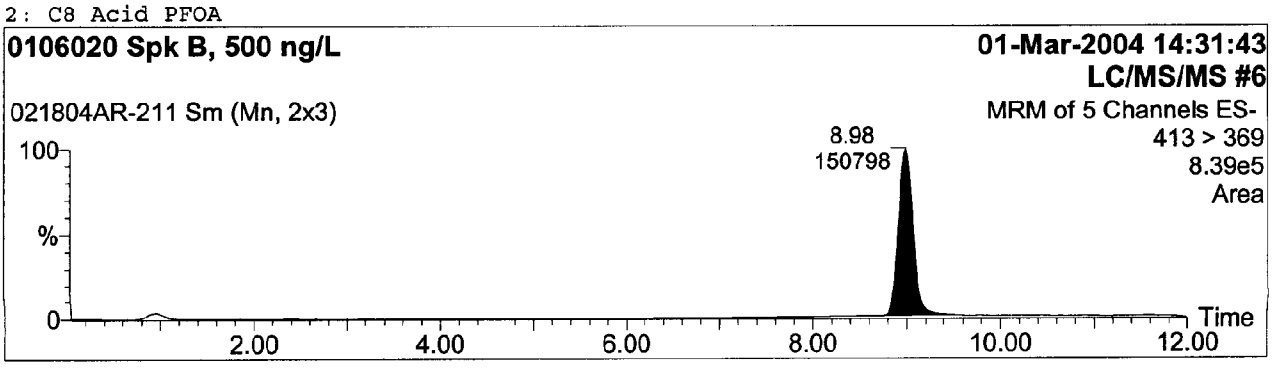
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-211
Text:

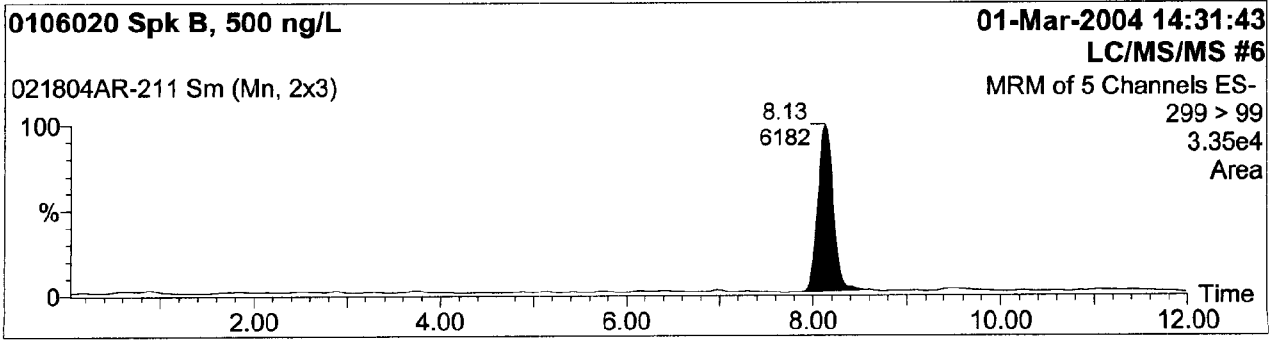
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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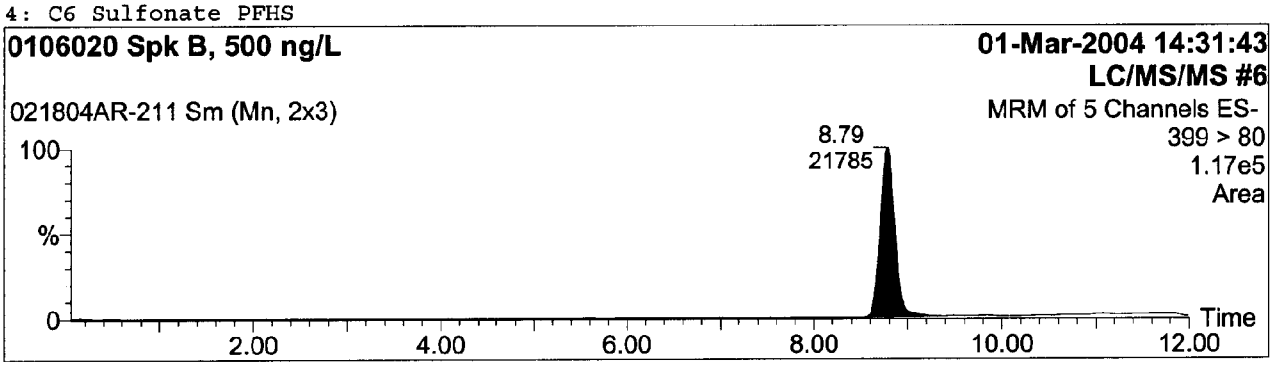
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

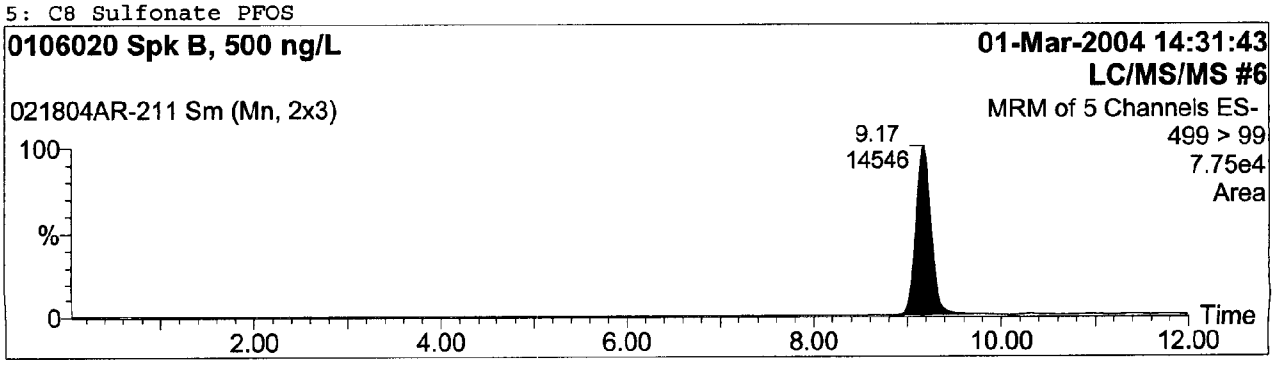
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-211
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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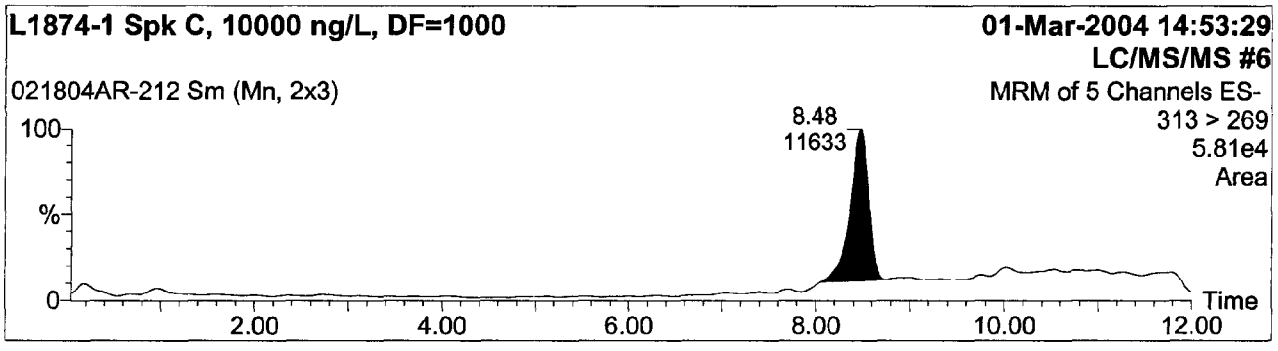
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

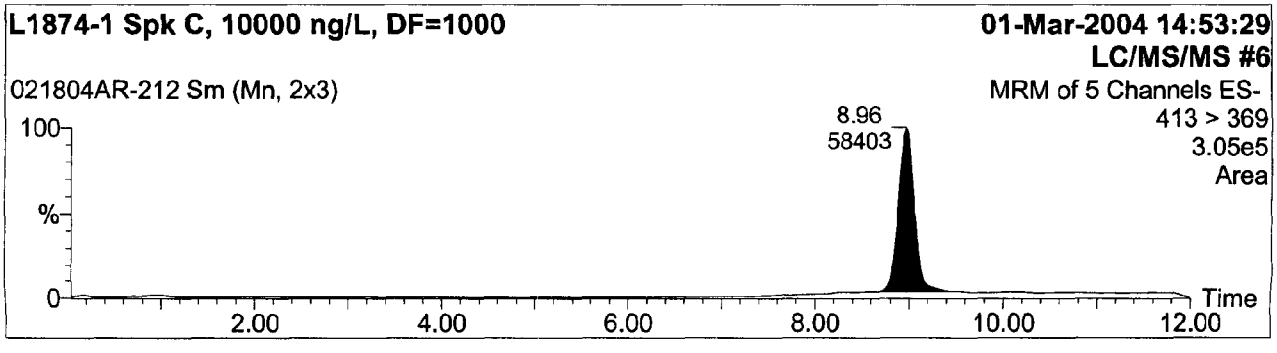
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-212
Text:

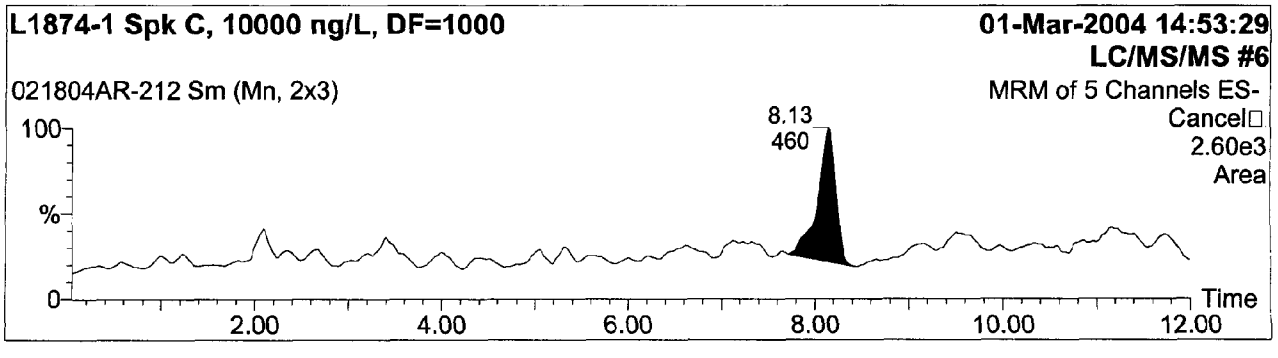
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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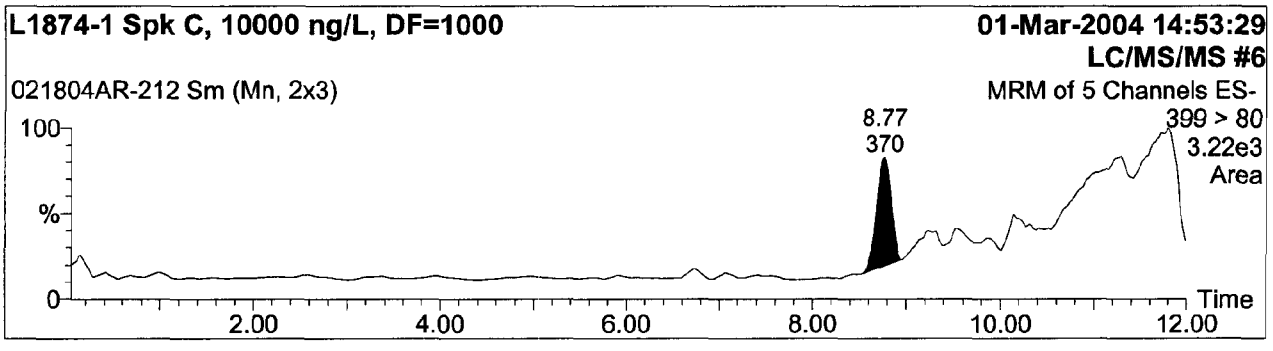
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

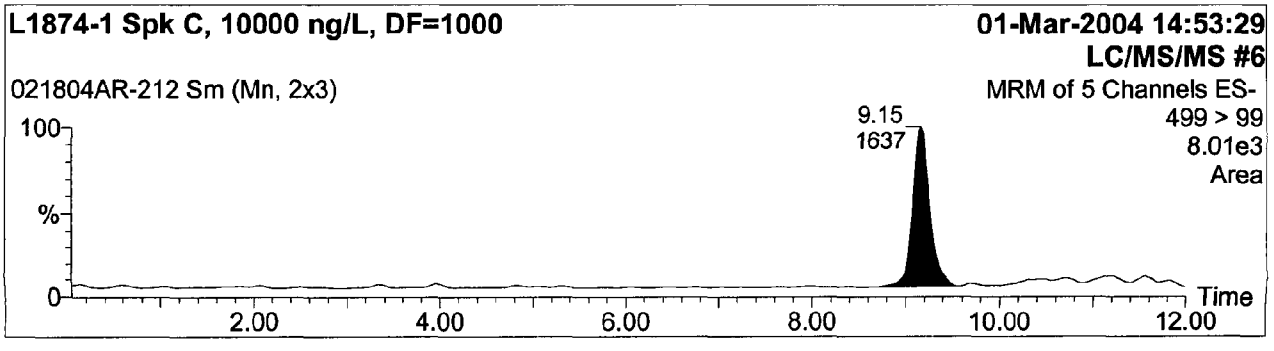
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-212
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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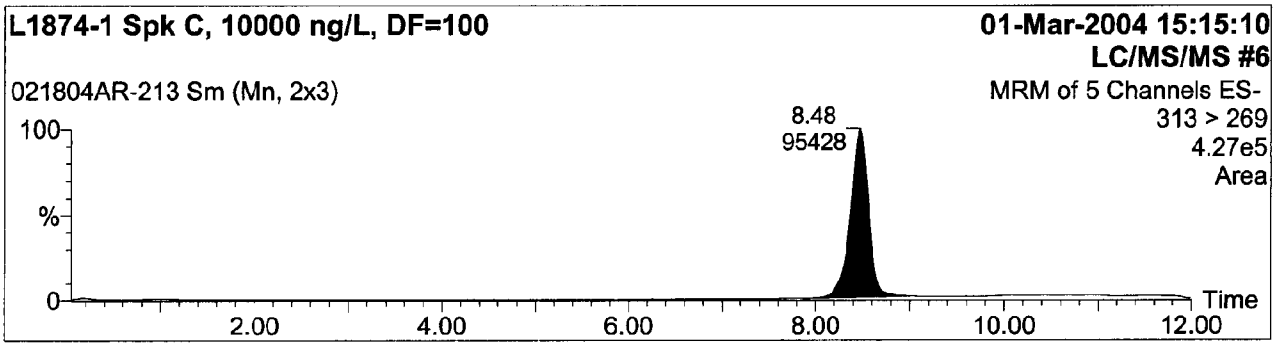
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

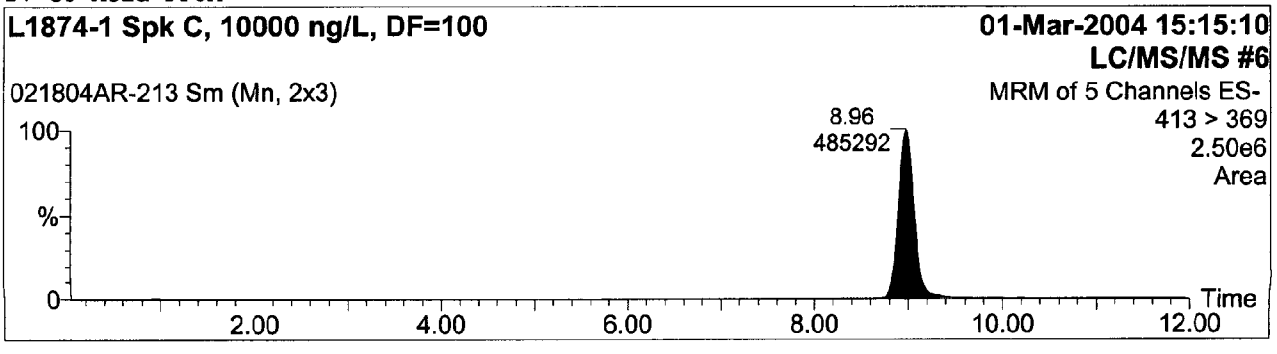
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-213
Text:

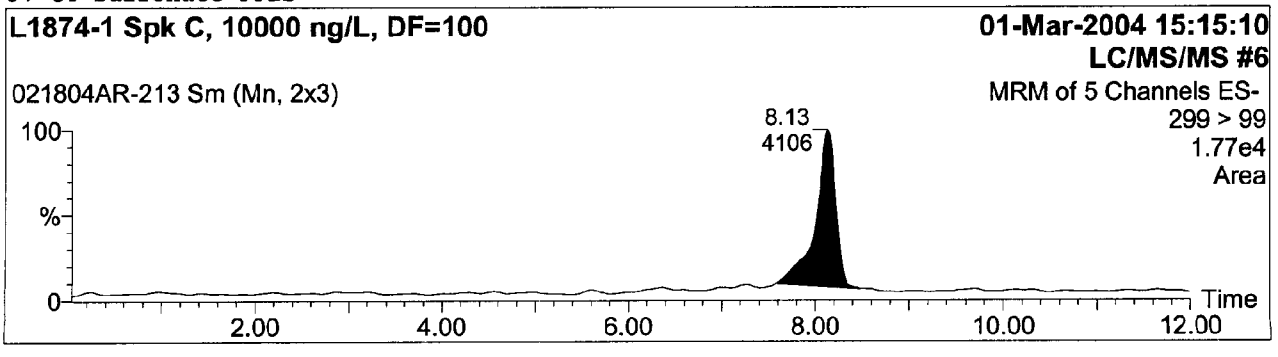
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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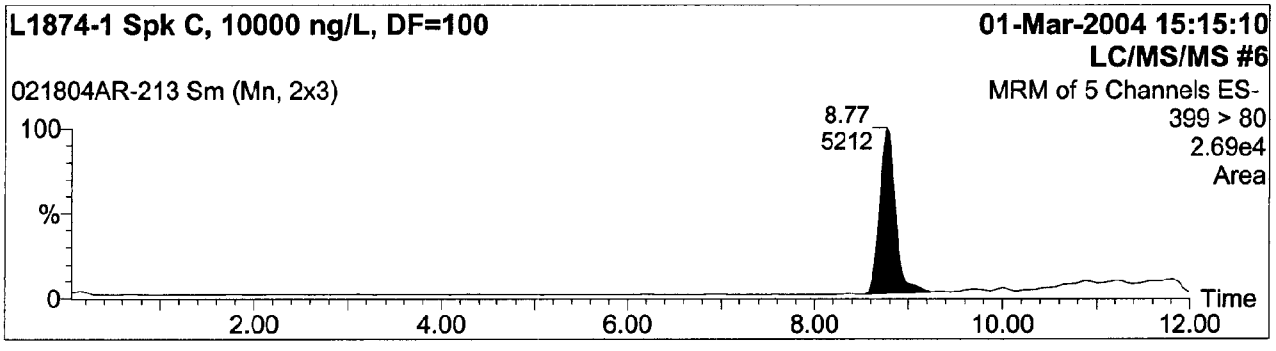
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

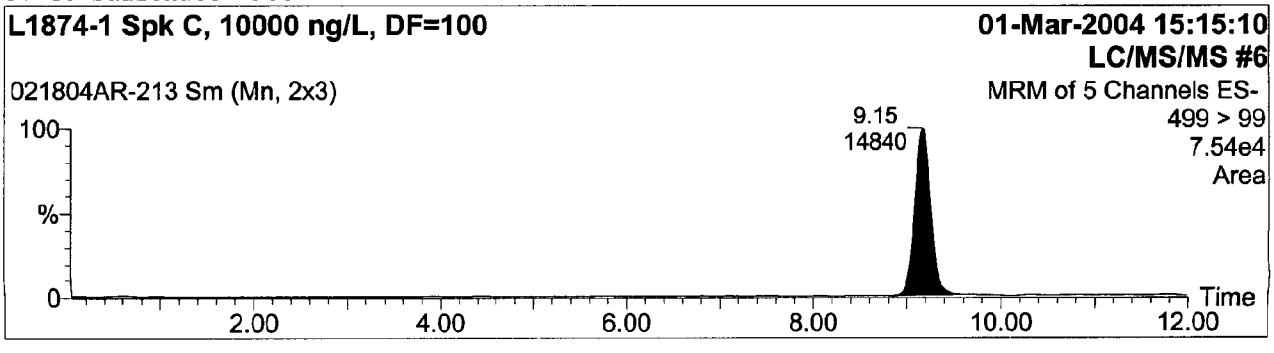
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-213
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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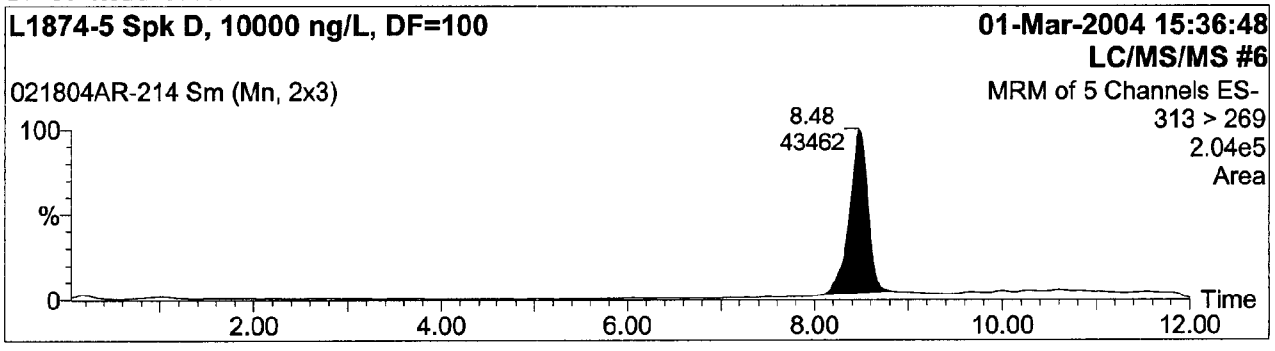
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

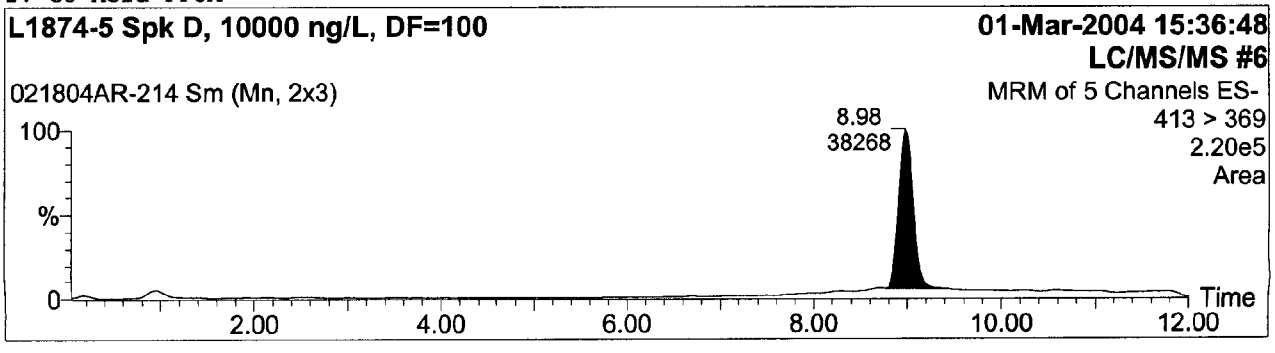
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-214
Text:

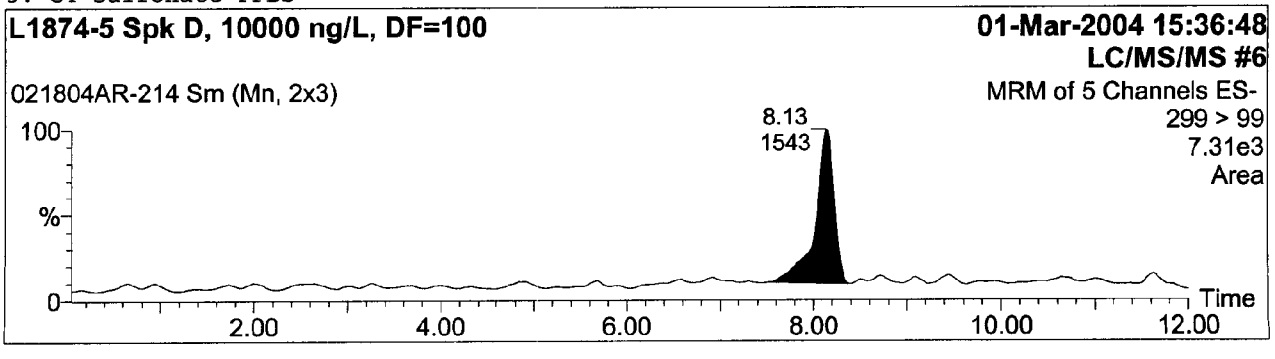
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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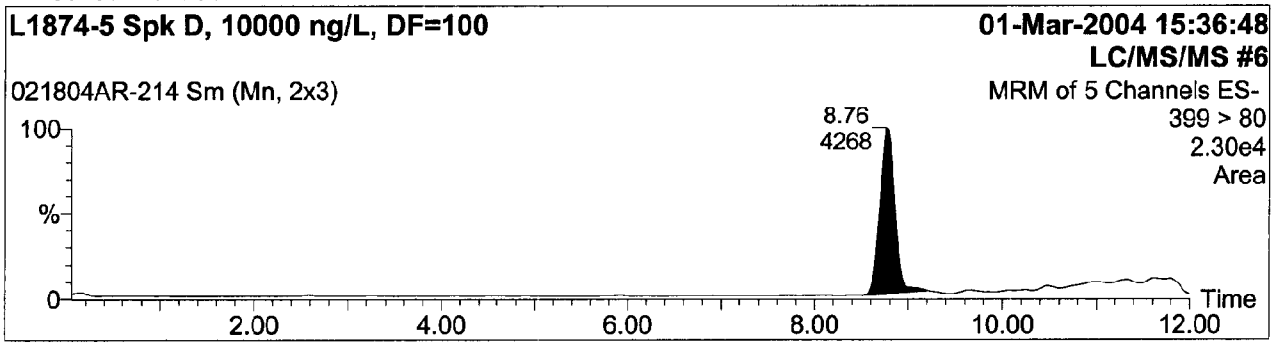
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

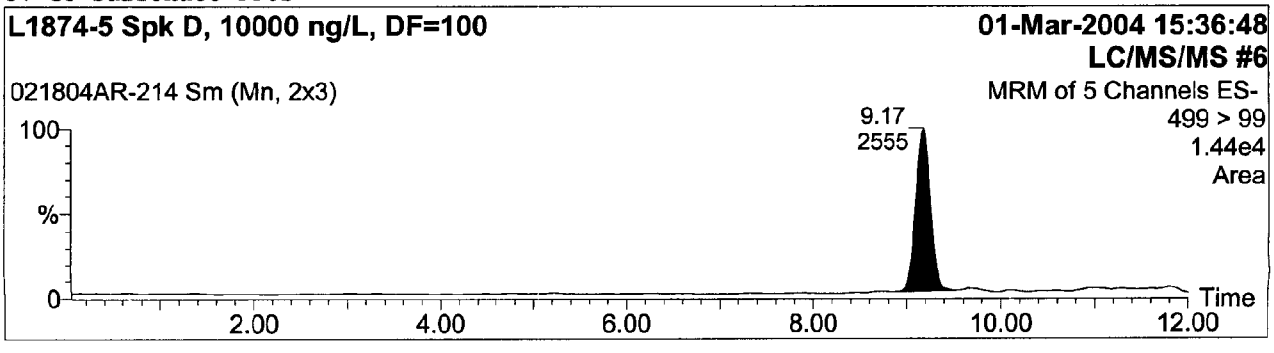
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-214
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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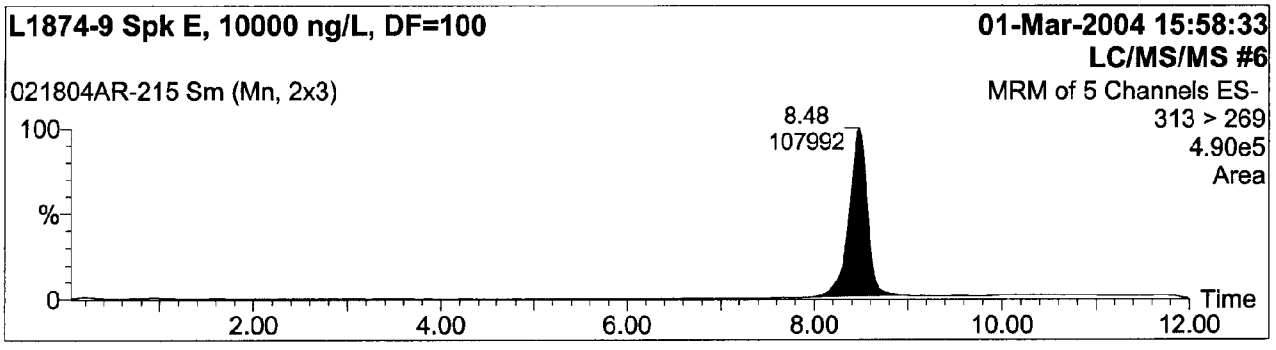
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

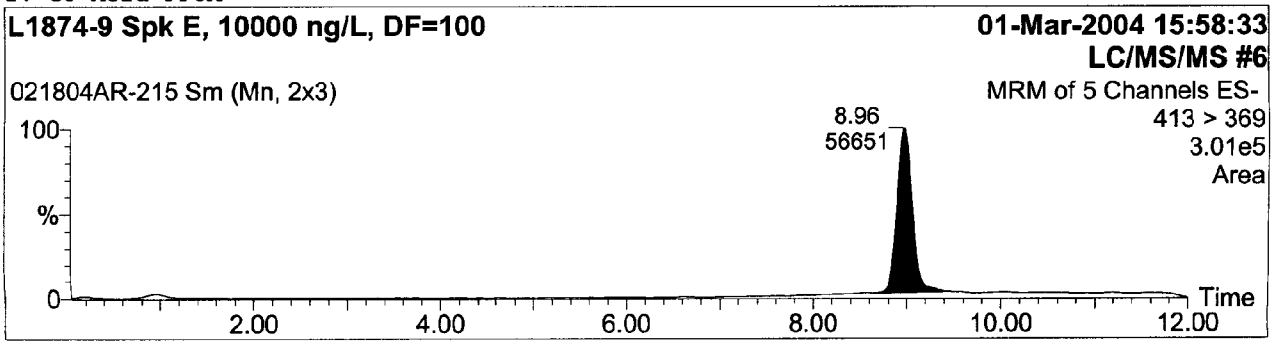
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-215
Text:

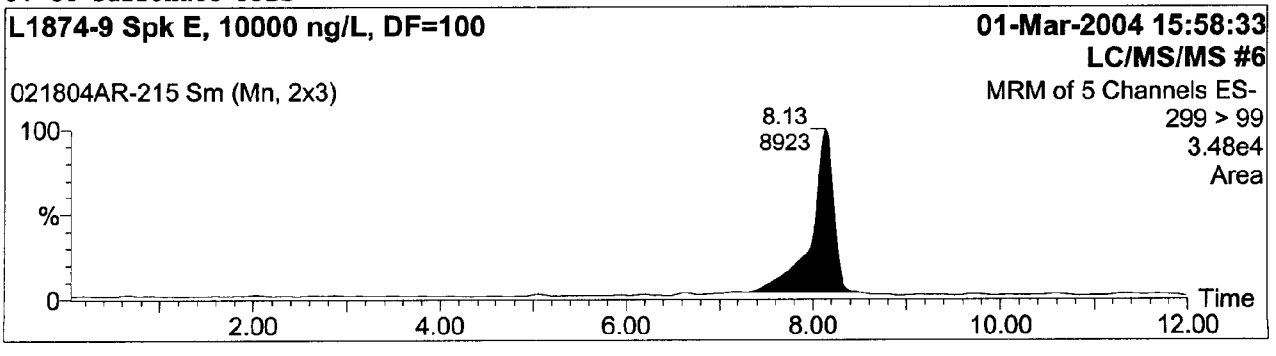
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



Exygen Research, 3058 Research Drive, State College, PA 16801

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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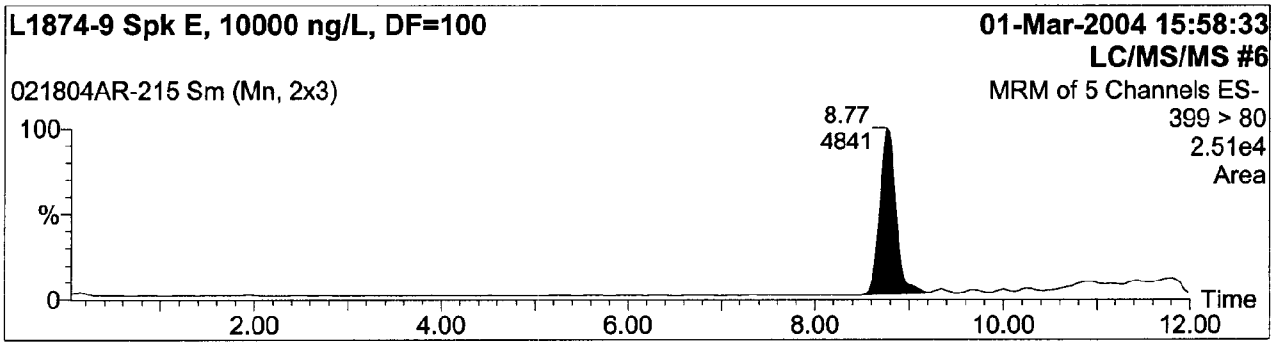
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

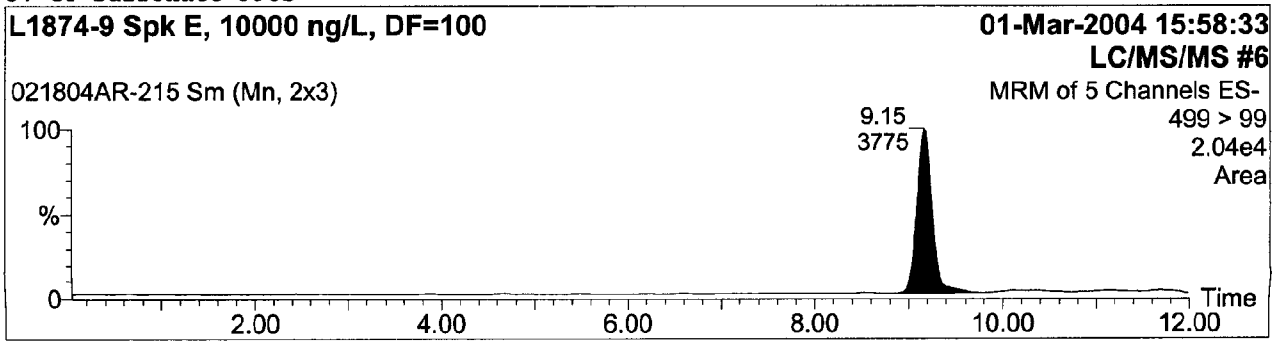
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-215
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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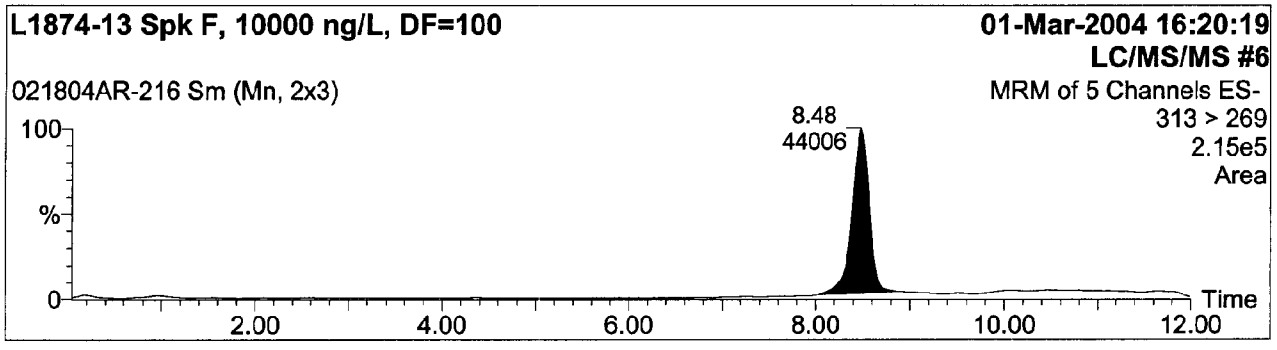
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

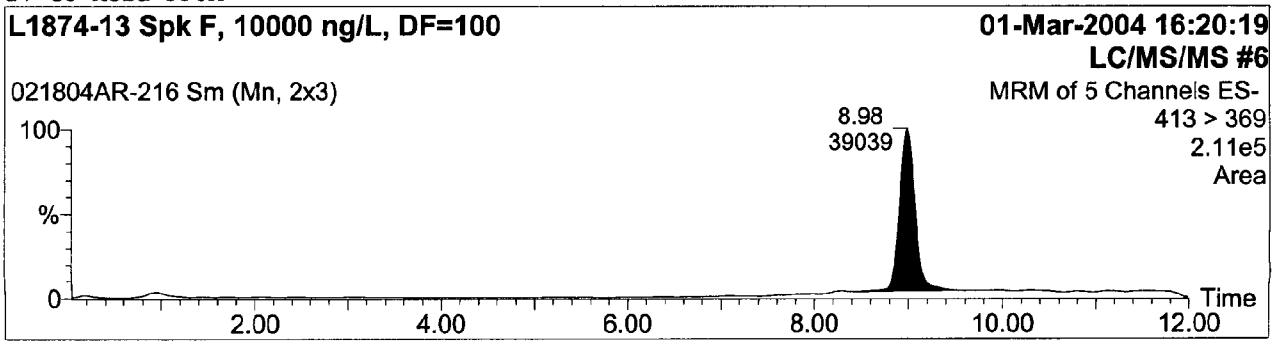
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-216
Text:

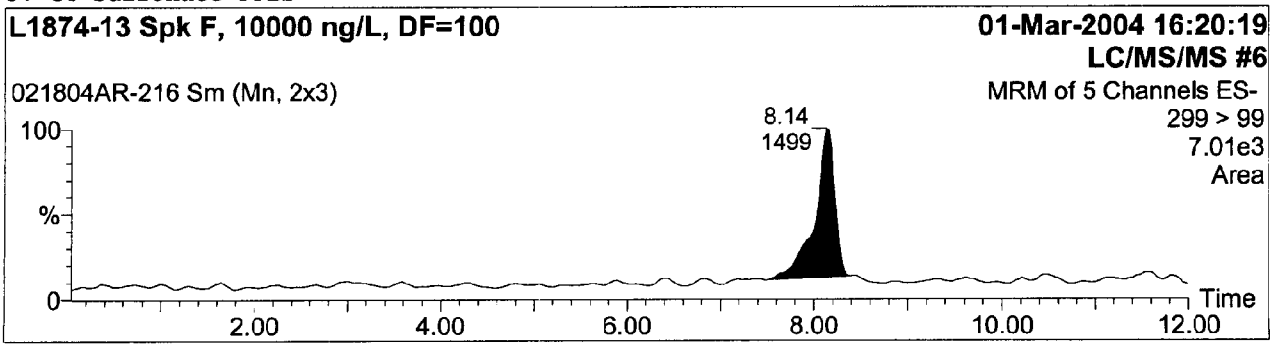
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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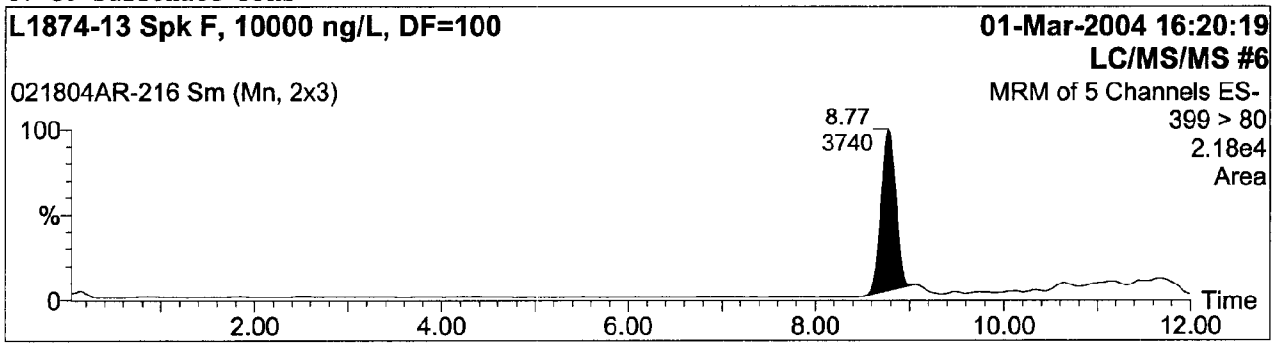
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

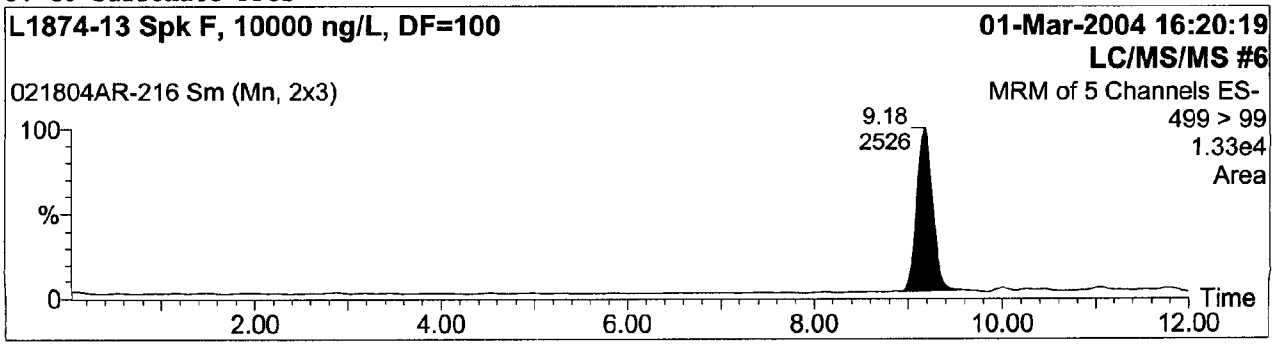
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-216
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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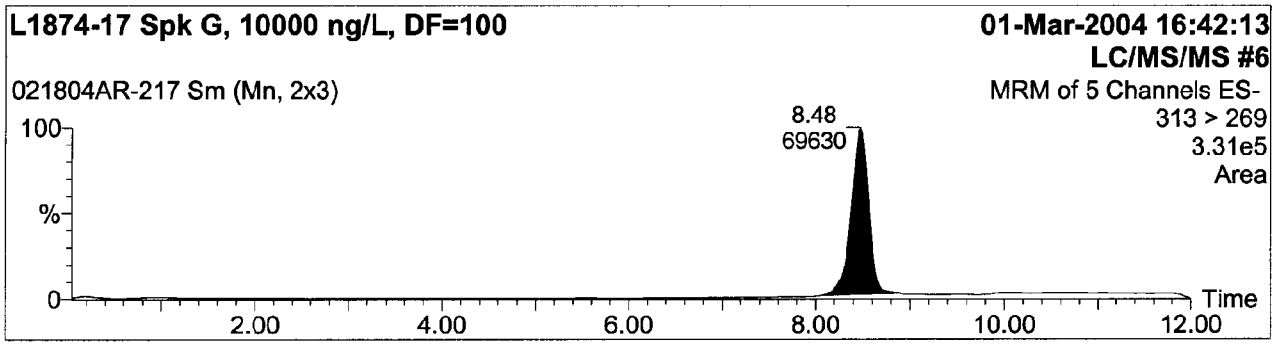
Job Code:

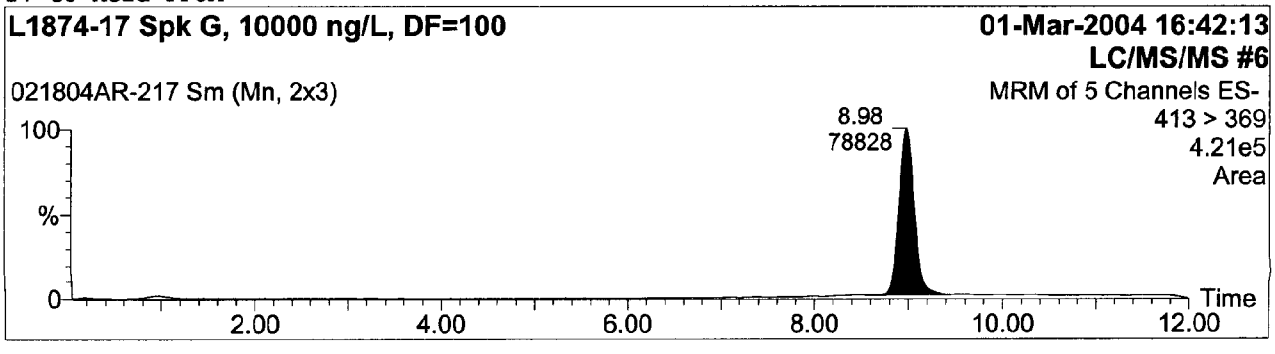
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-217
Text:

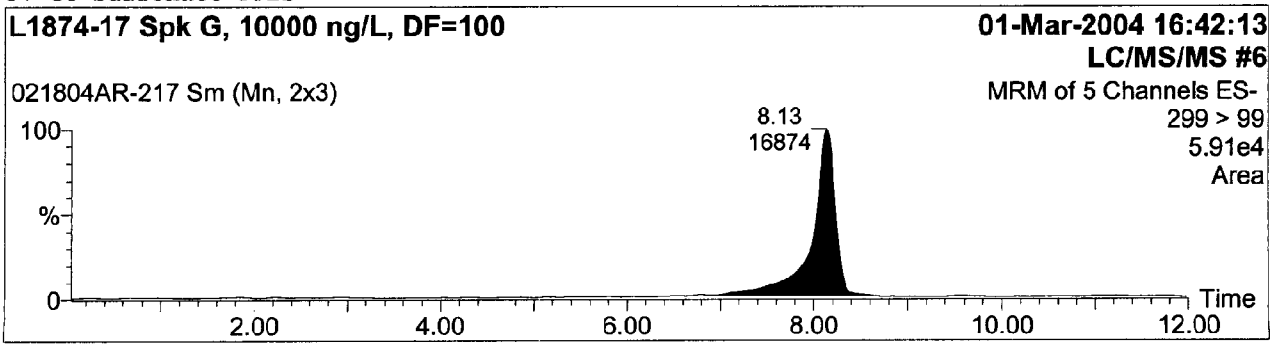
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

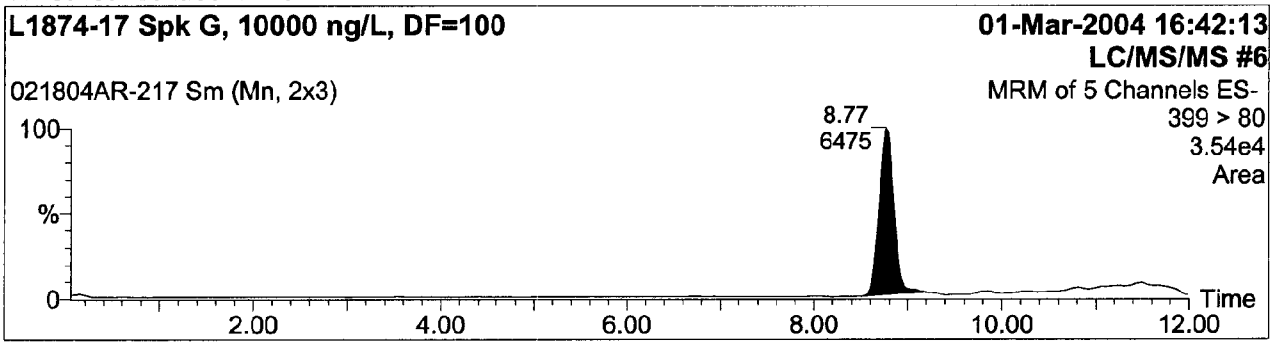
Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

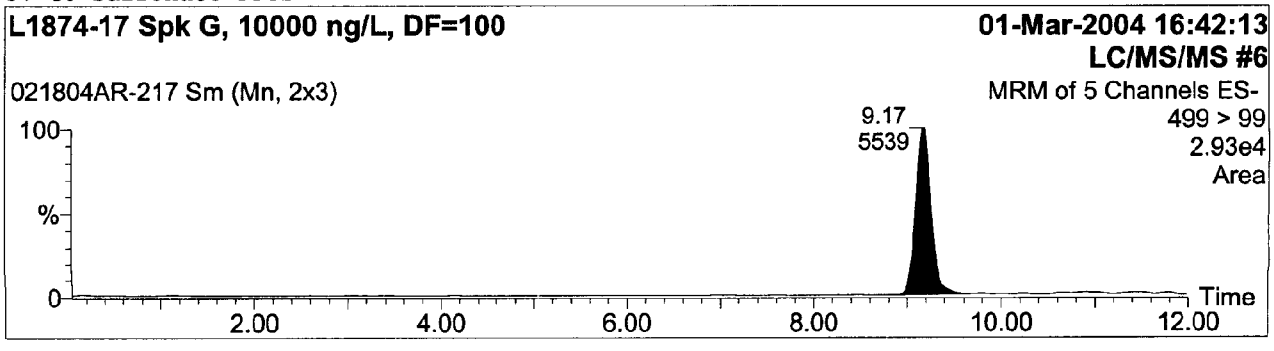
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-217
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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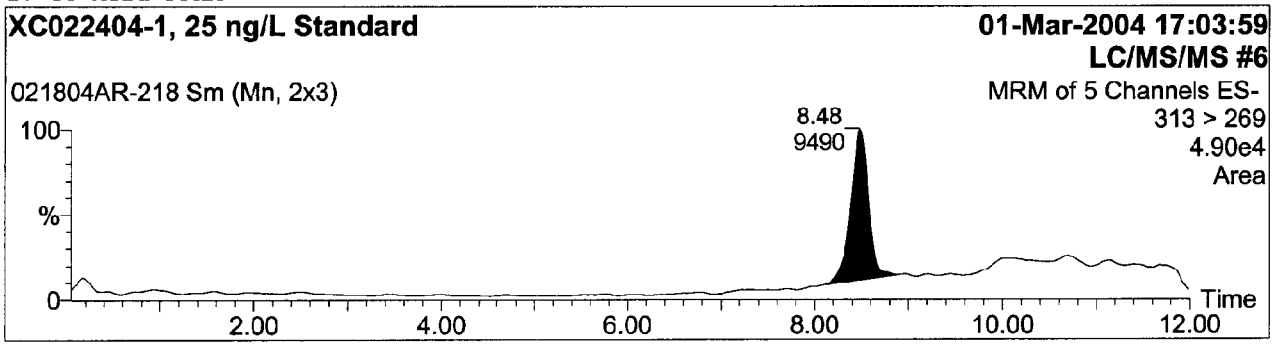
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

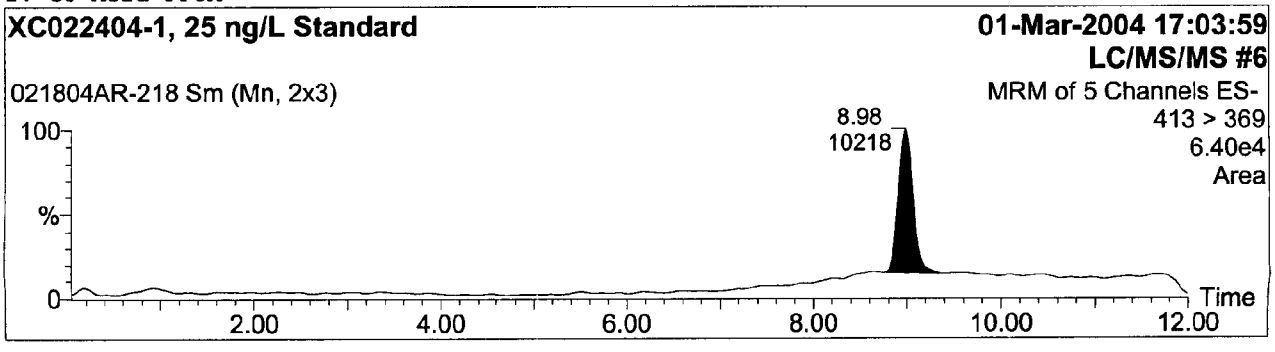
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-218
Text:

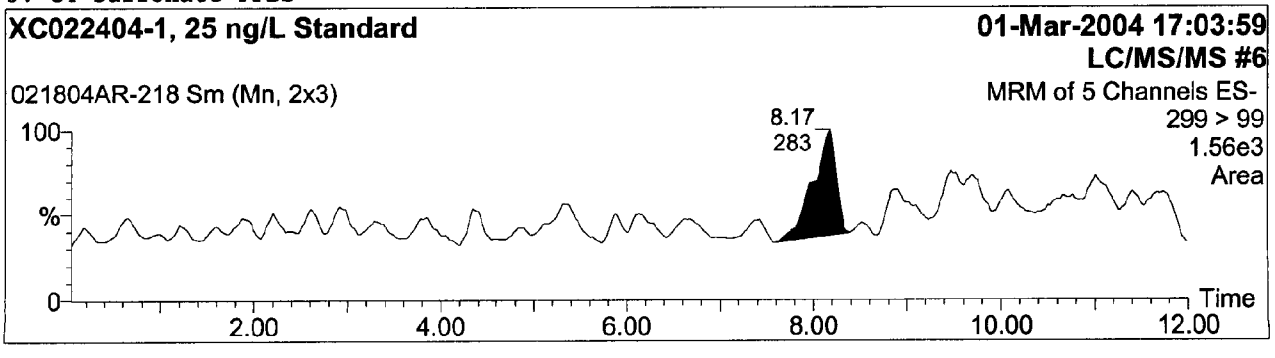
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



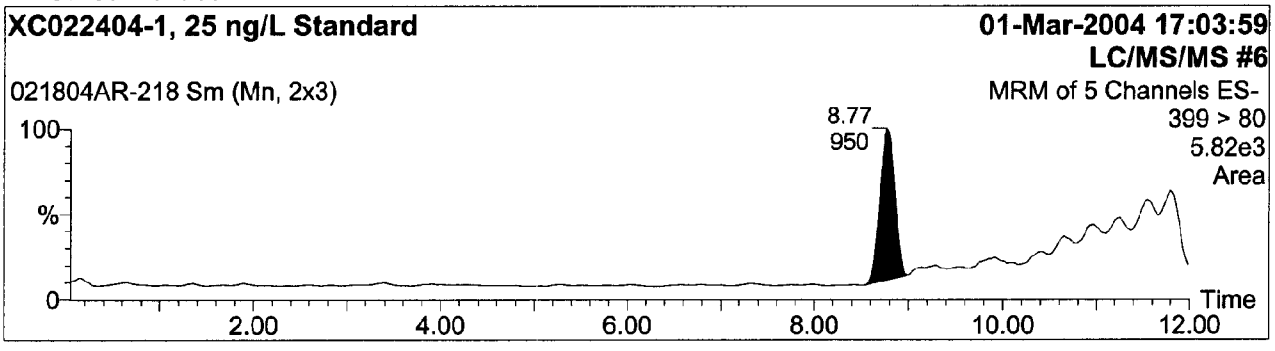
CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

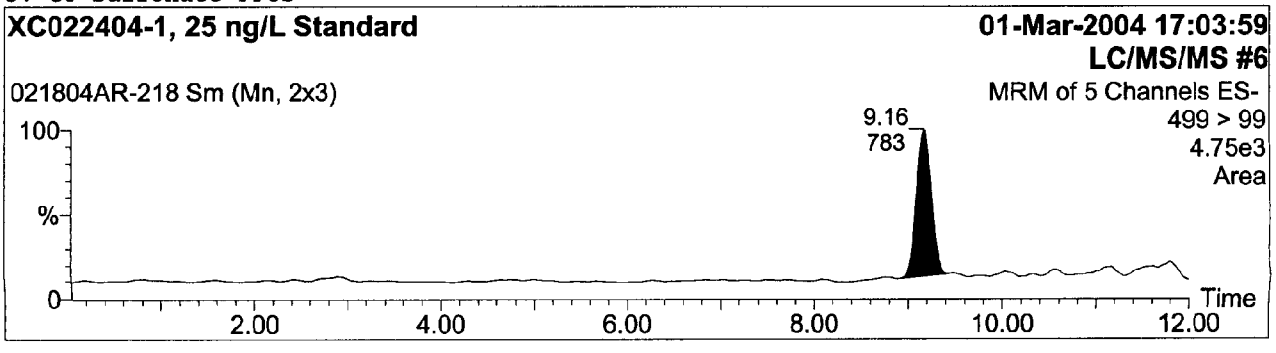
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-218
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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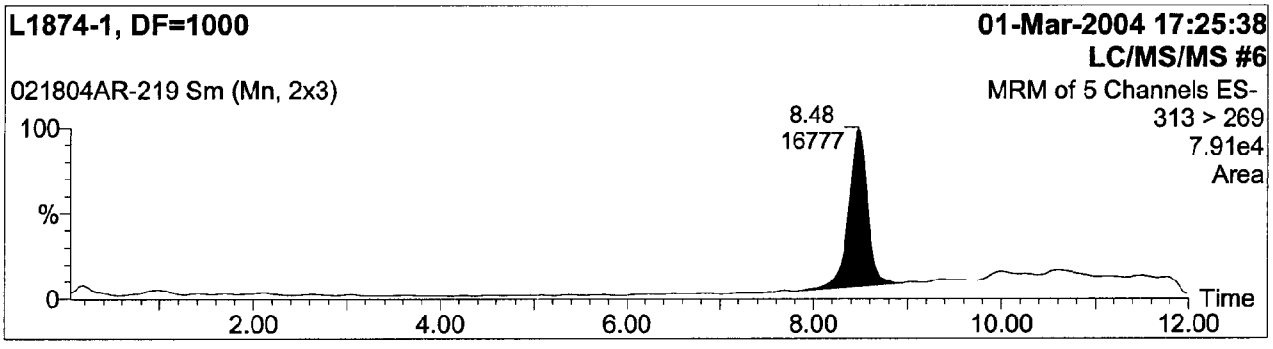
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

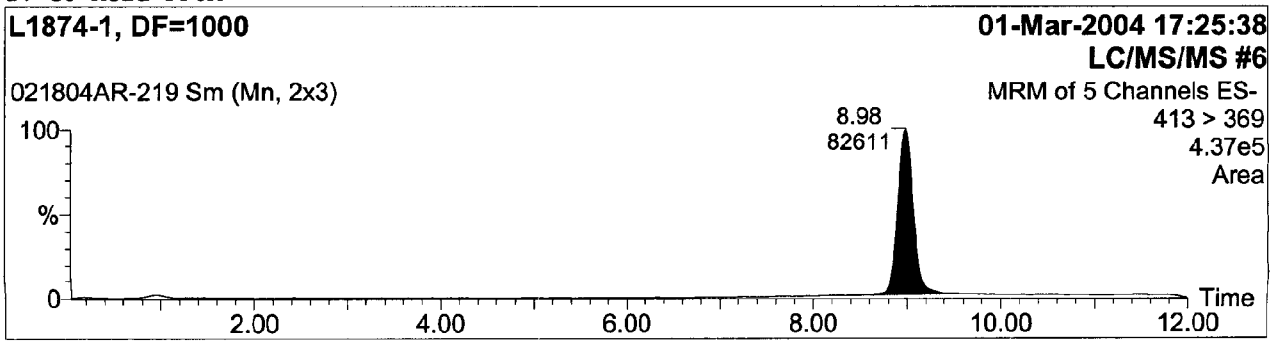
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-219
Text:

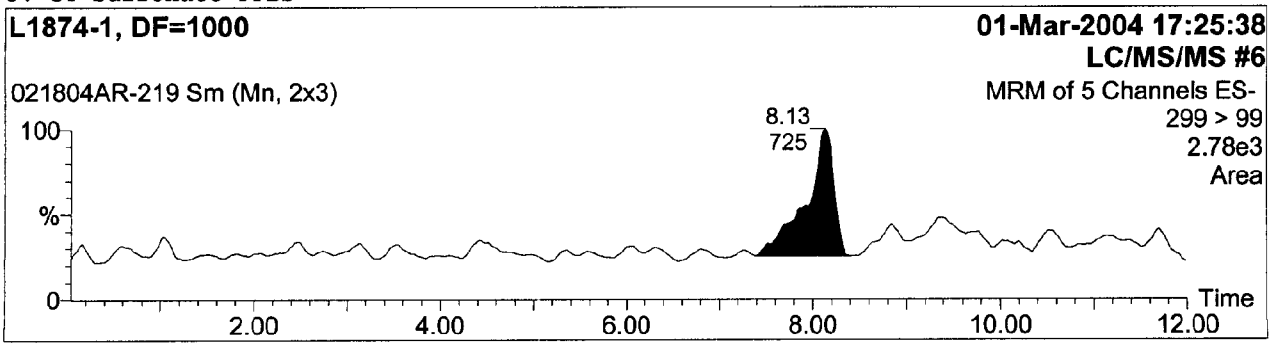
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



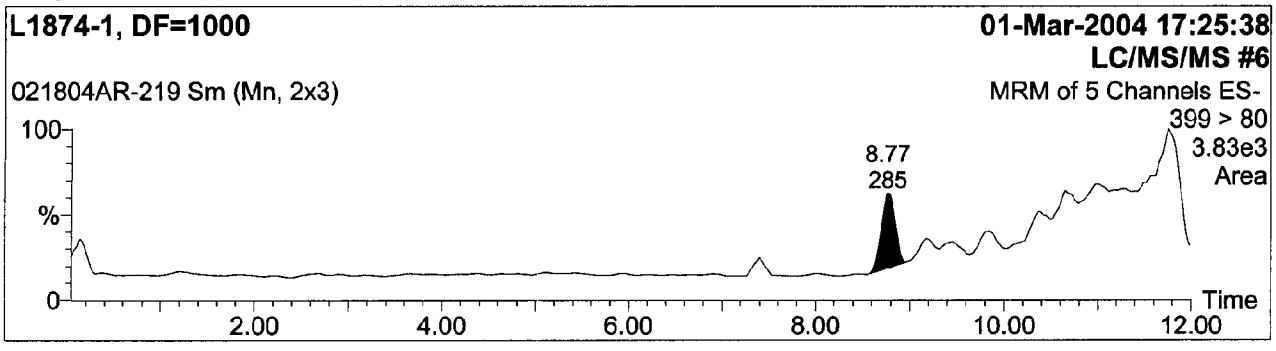
CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

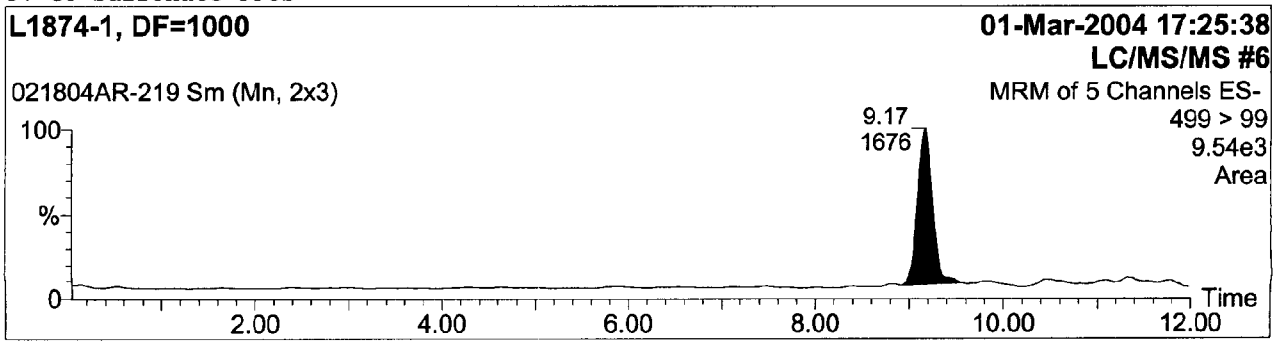
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-219
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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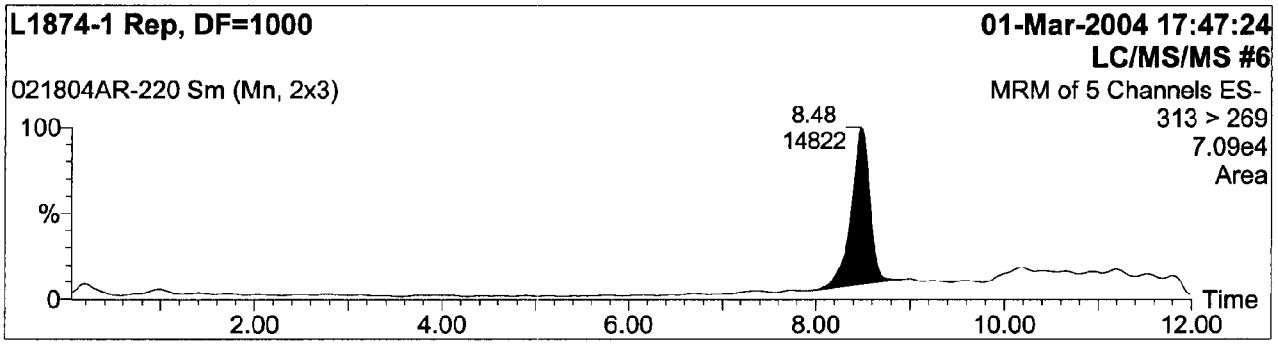
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

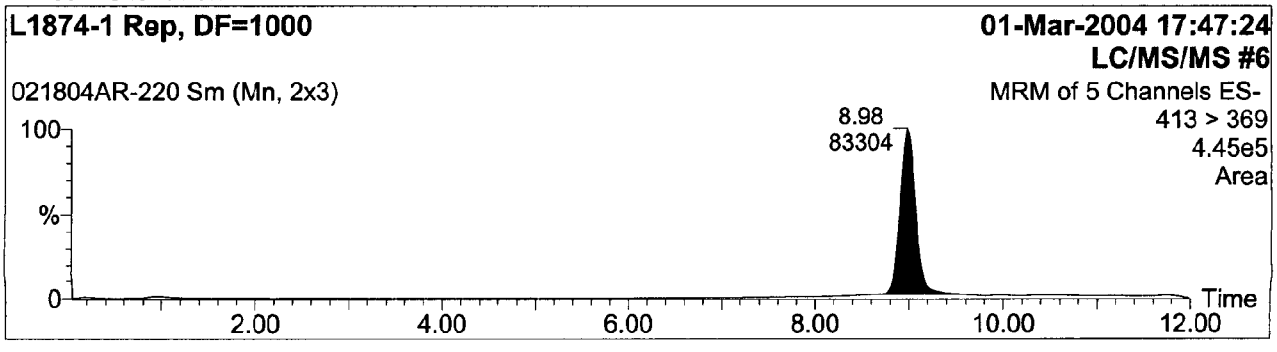
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-220
Text:

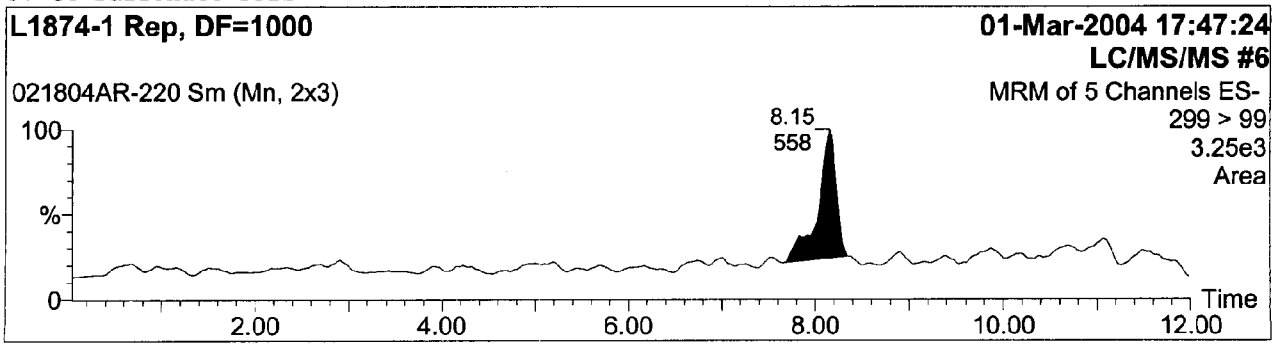
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
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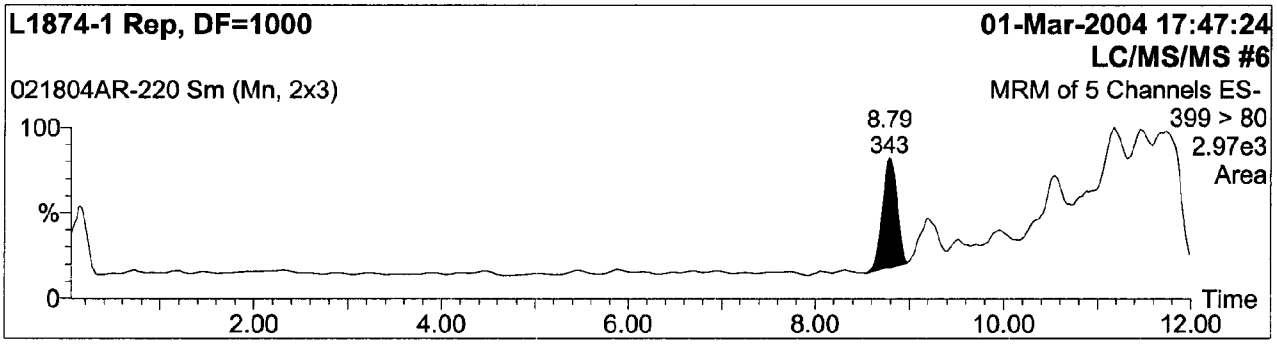
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

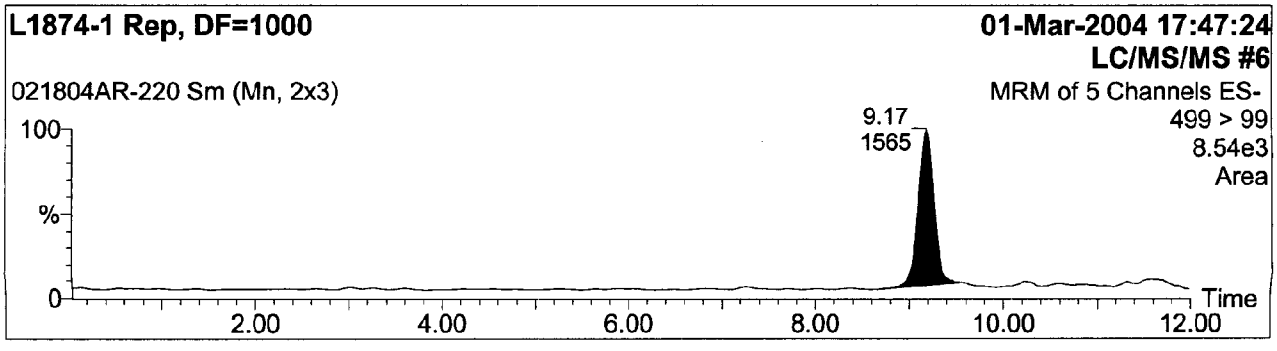
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-220
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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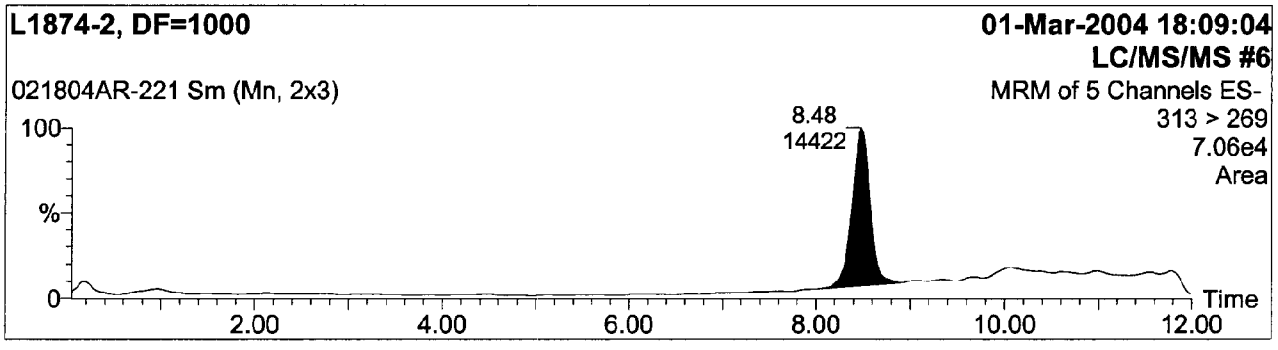
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

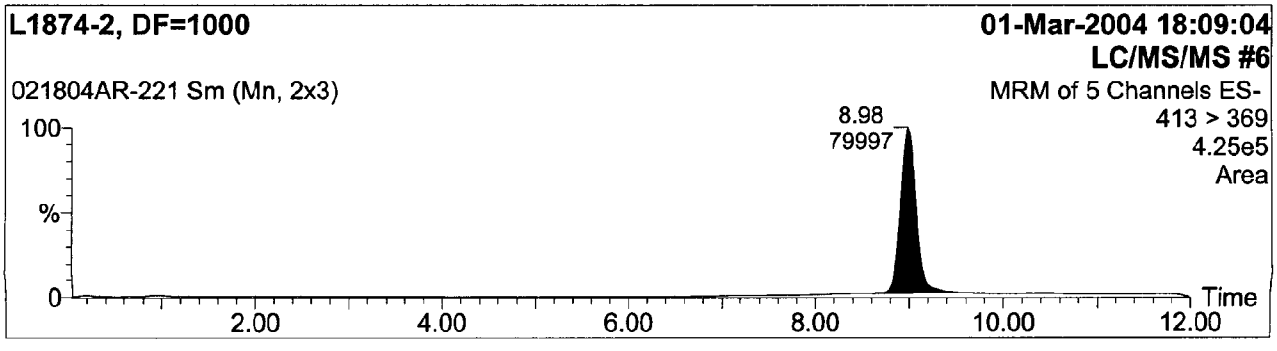
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-221
Text:

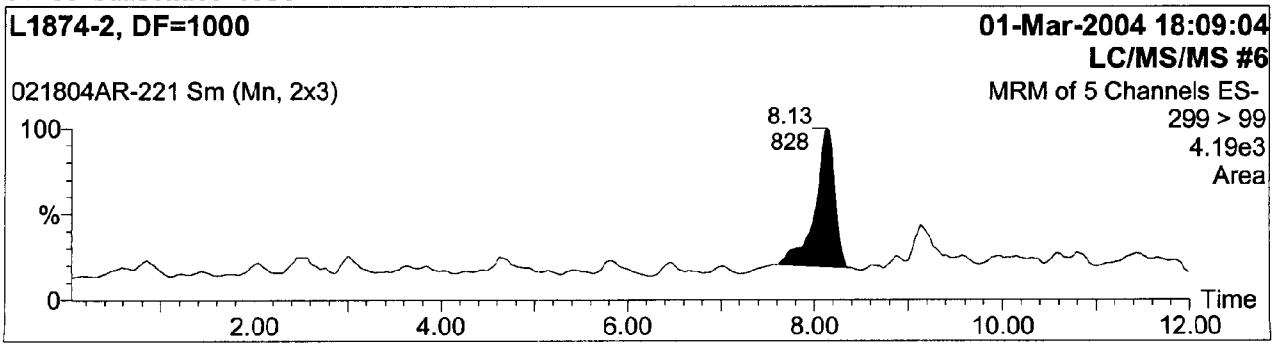
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



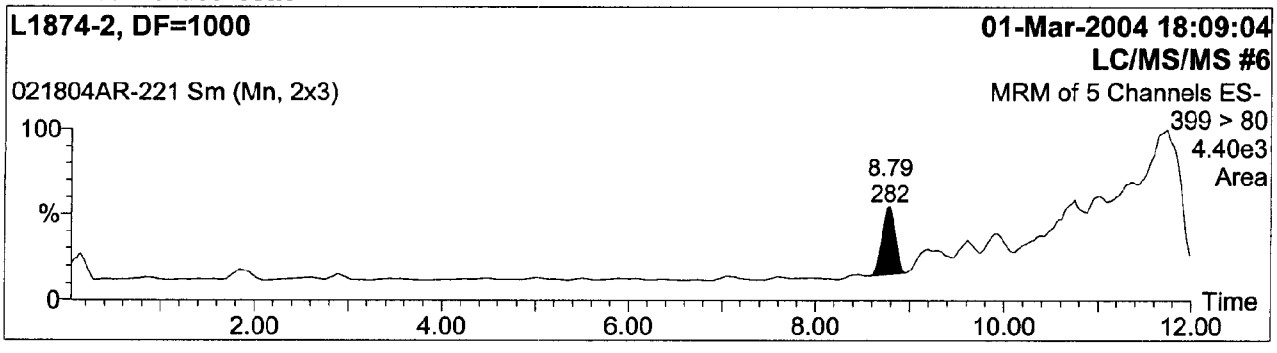
CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

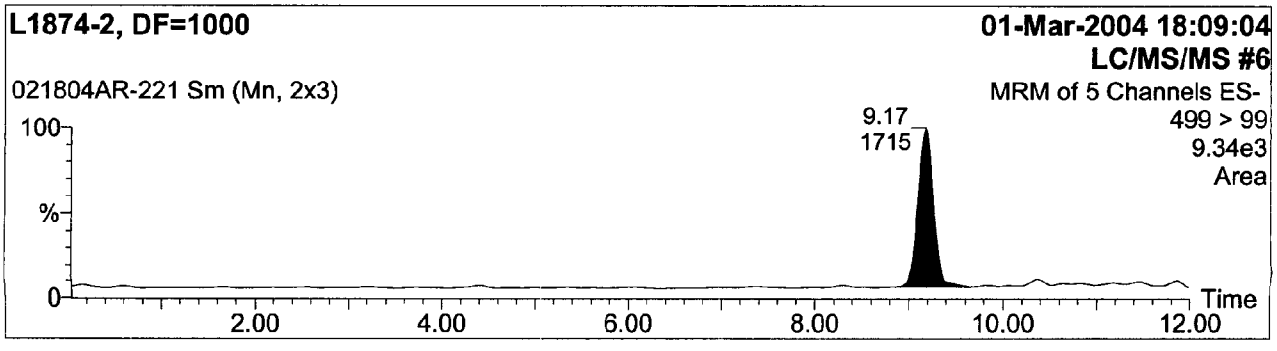
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-221
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

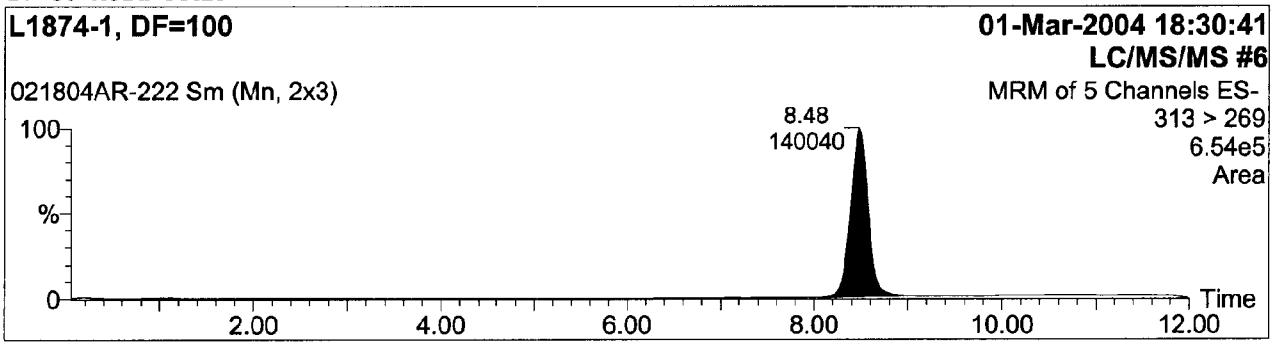
Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

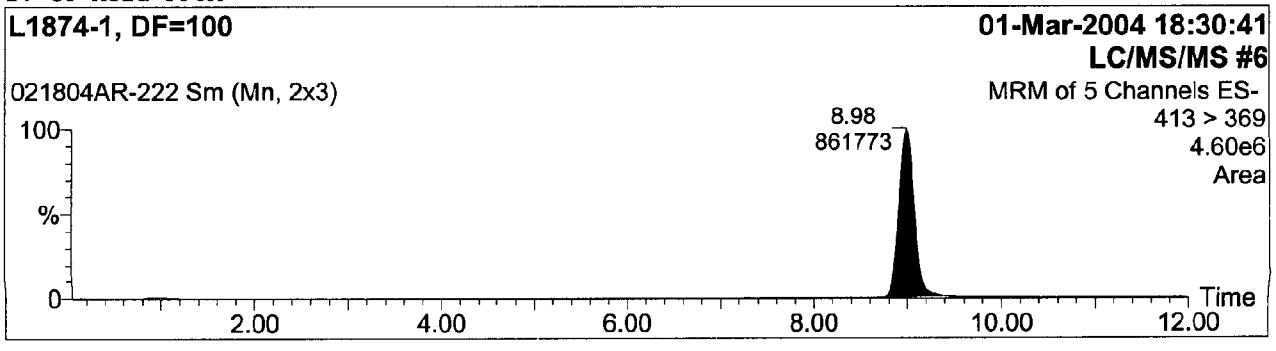
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-222
Text:

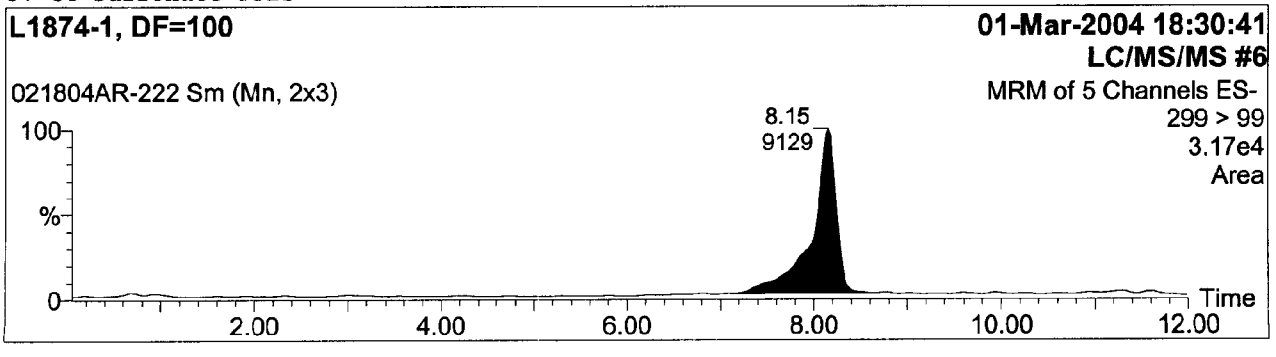
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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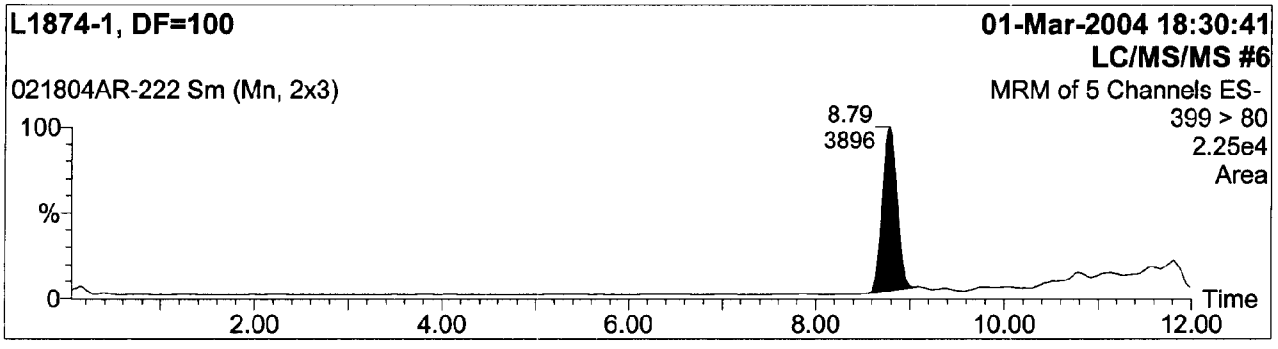
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

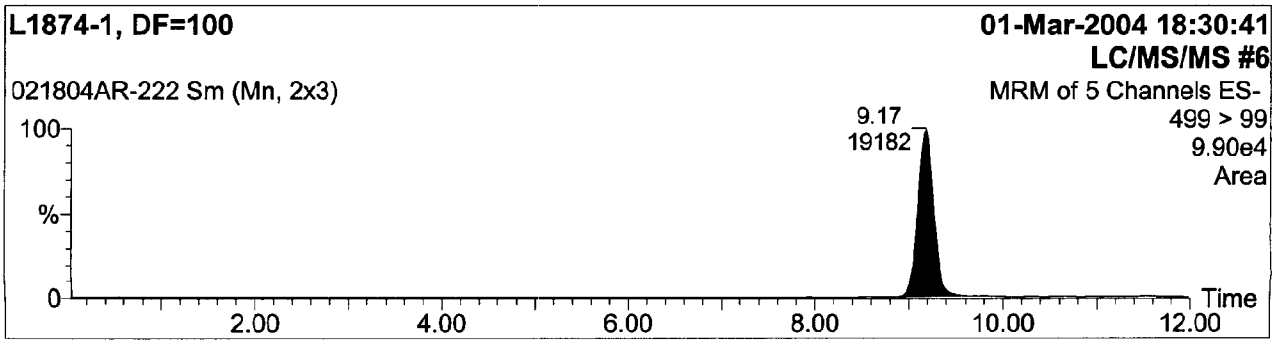
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-222
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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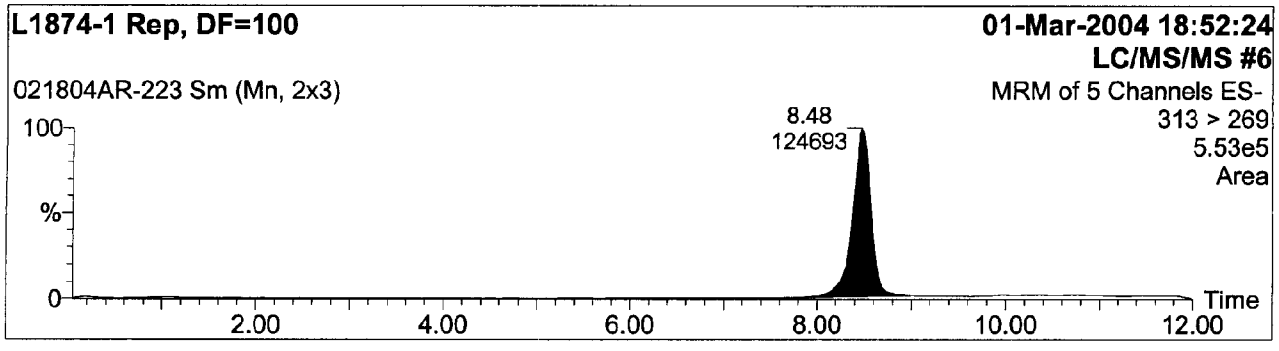
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

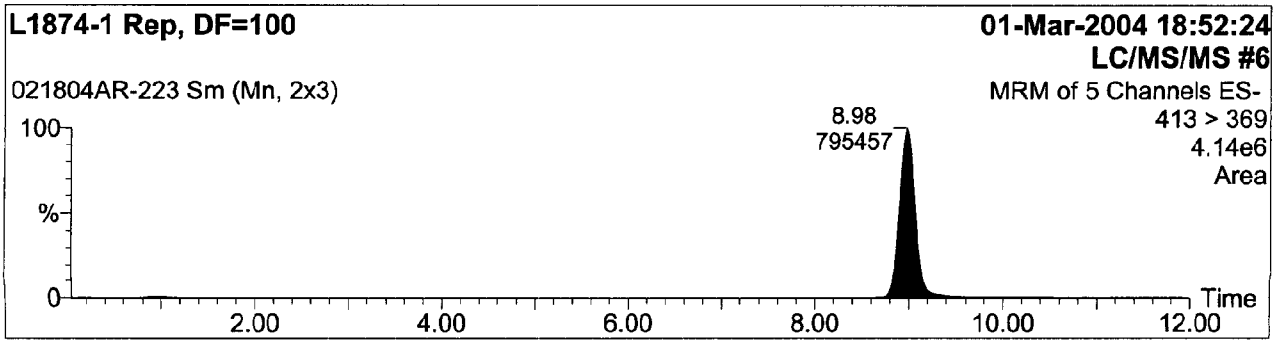
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-223
Text:

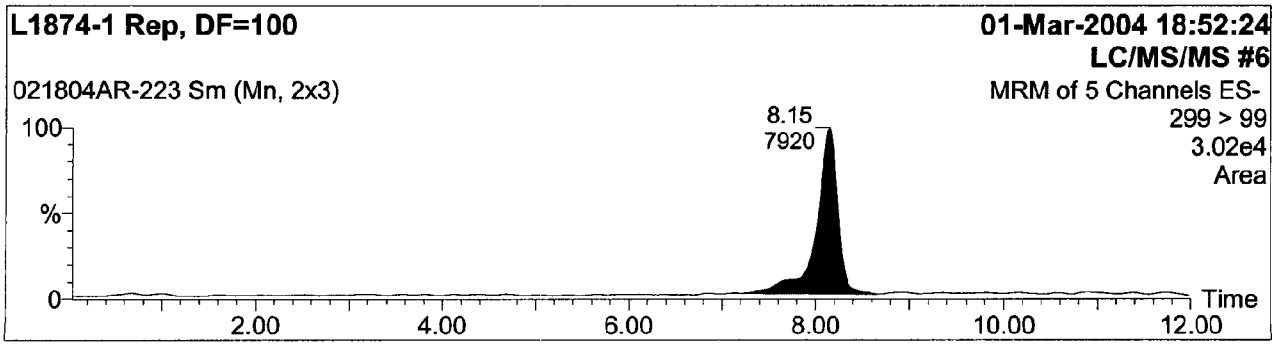
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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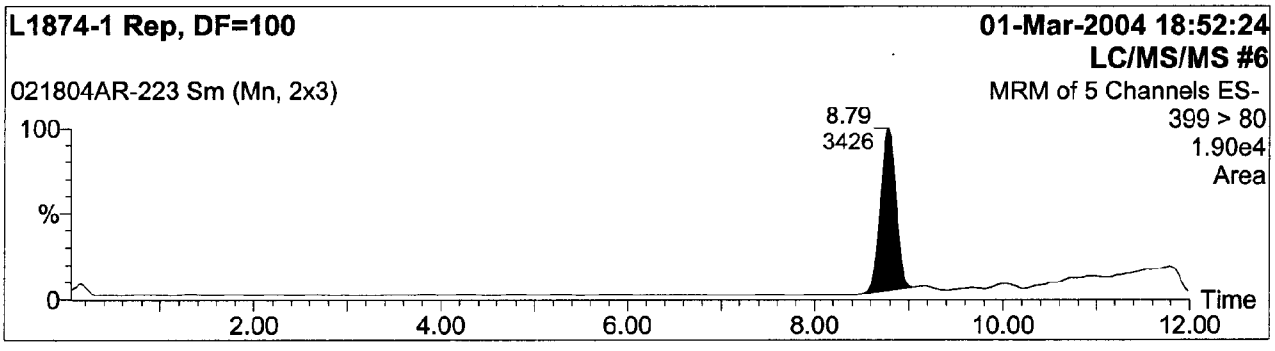
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

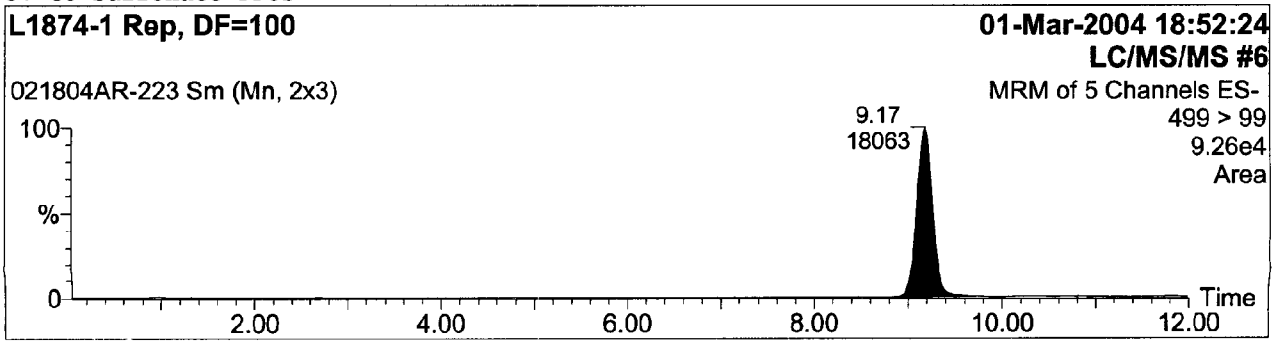
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-223
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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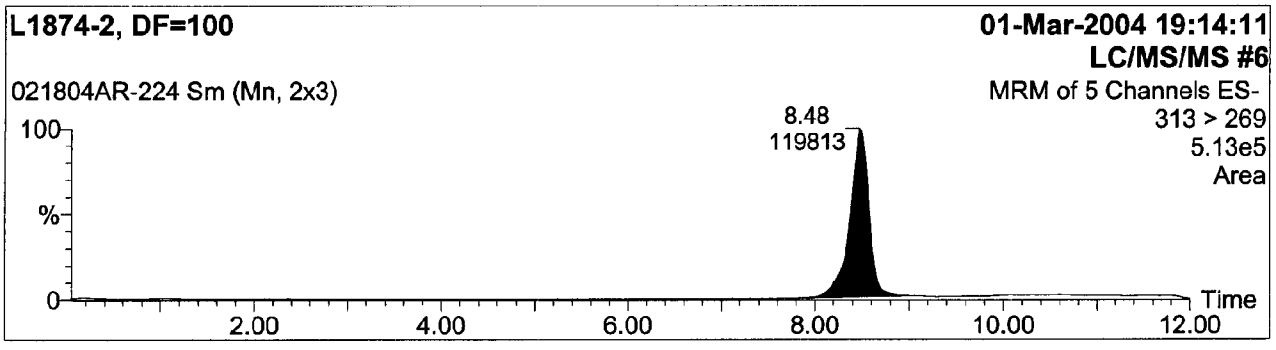
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

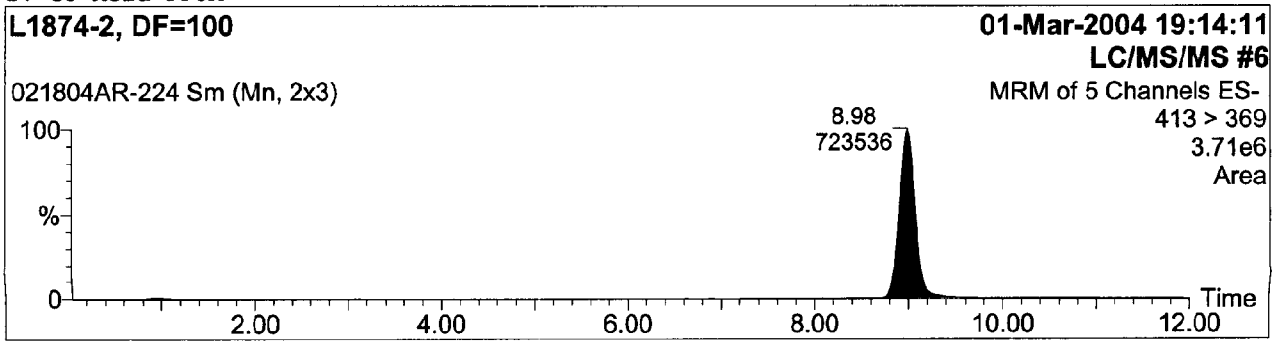
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-224
Text:

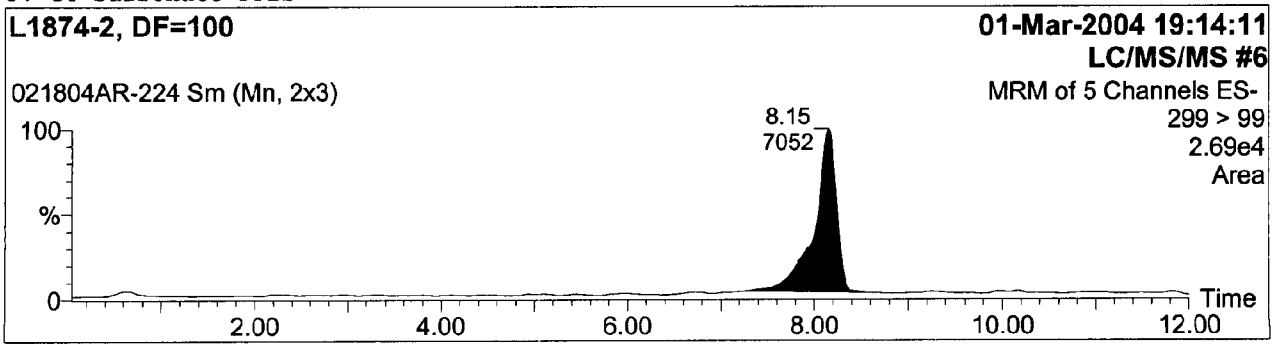
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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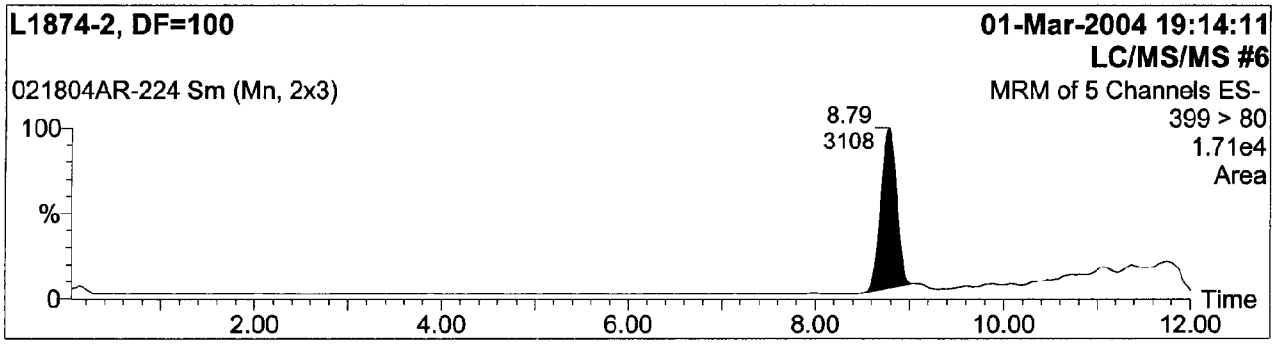
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

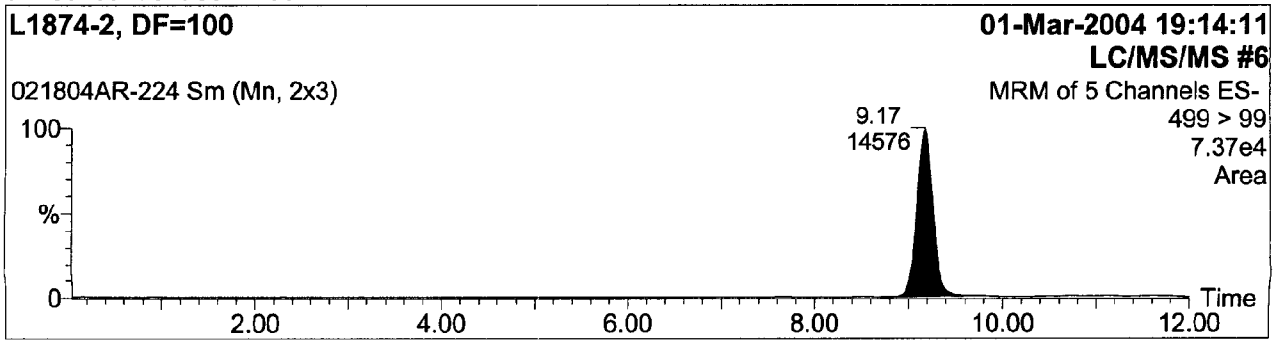
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-224
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



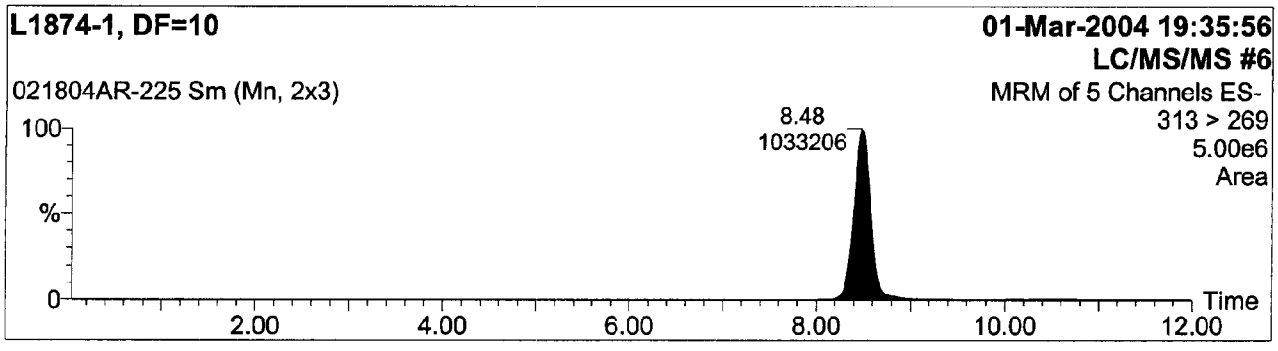
CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

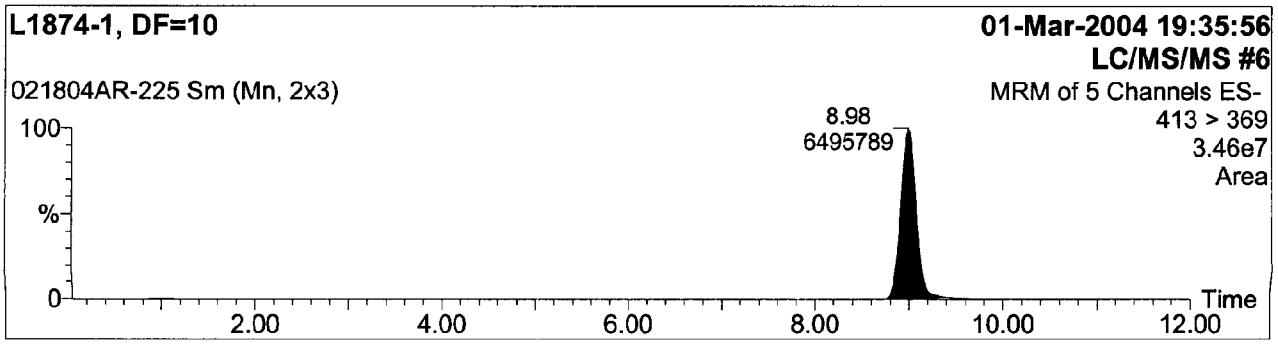
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-225
Text:

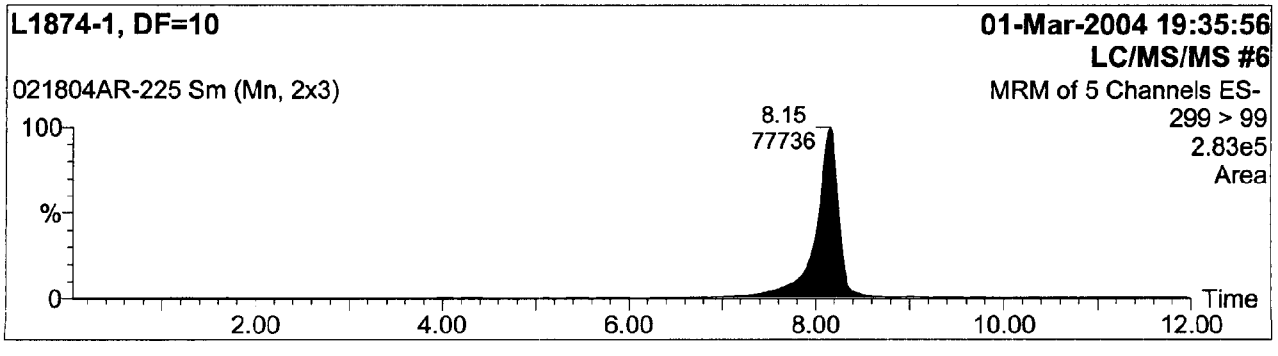
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



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Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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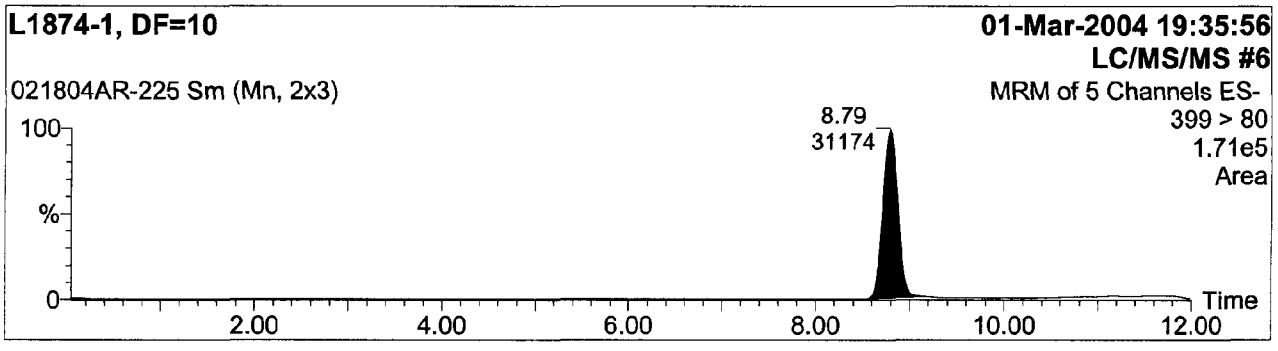
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

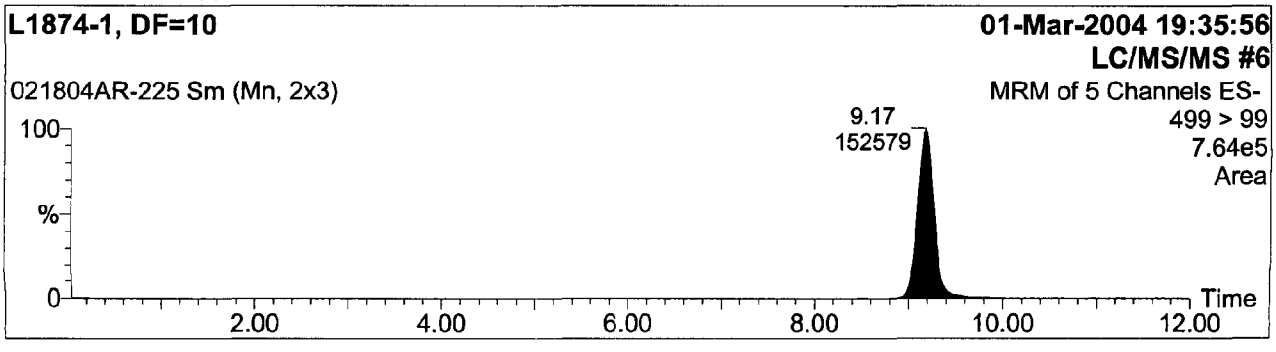
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-225
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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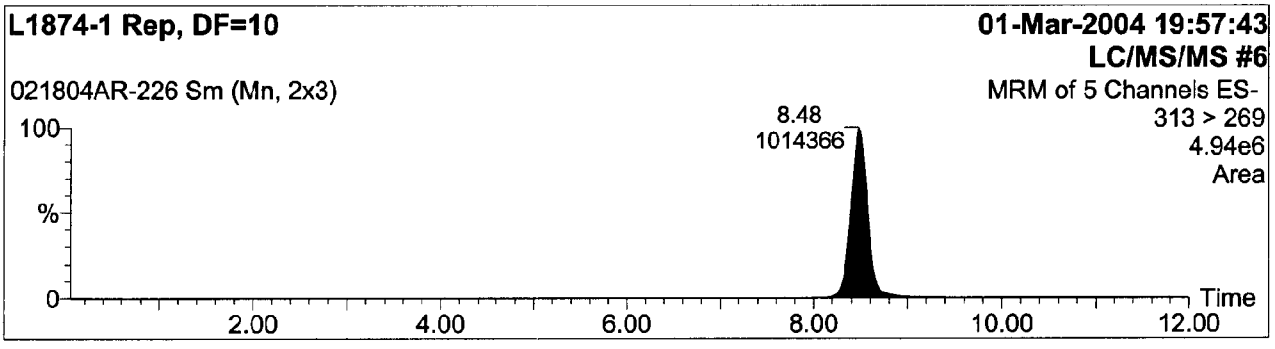
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

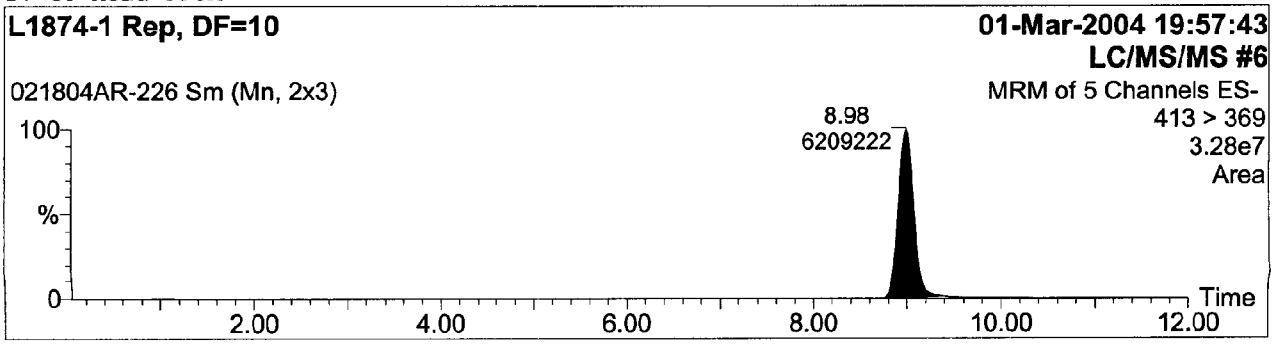
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-226
Text:

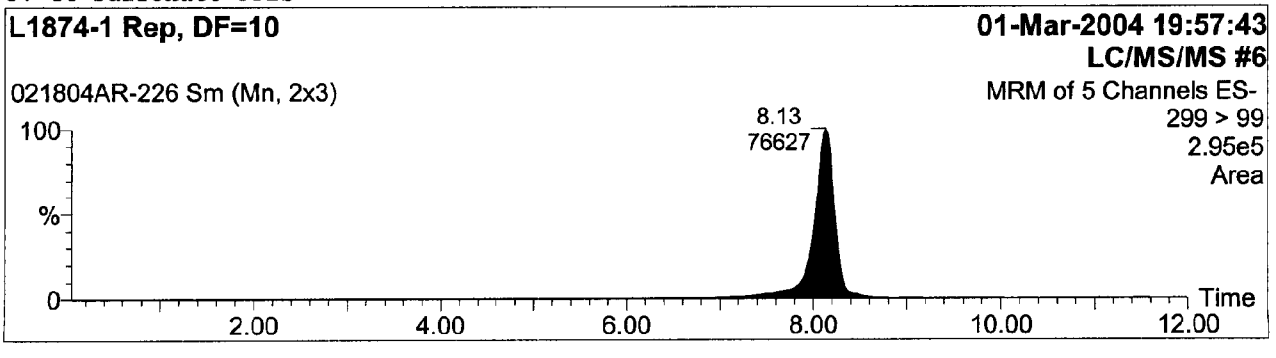
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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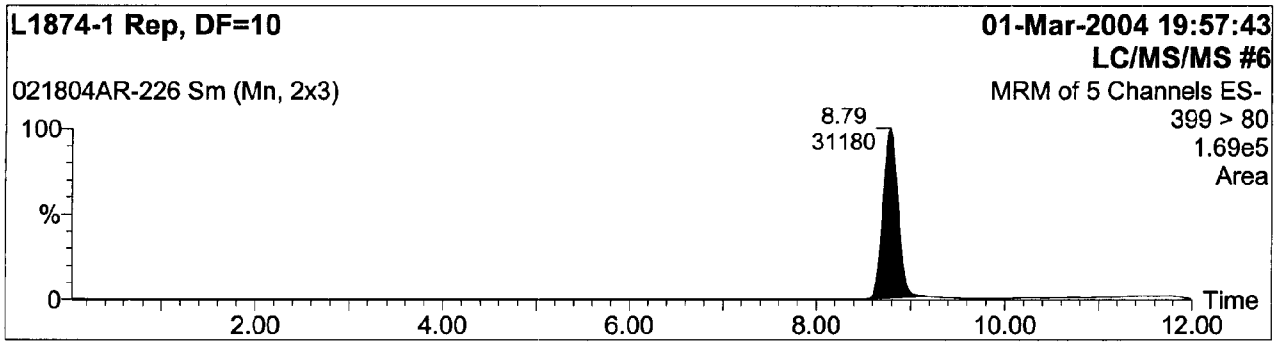
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

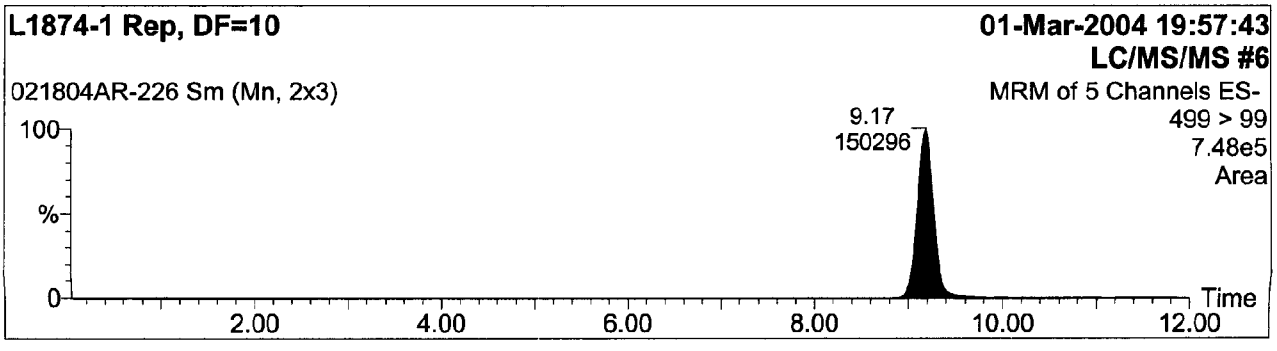
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-226
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



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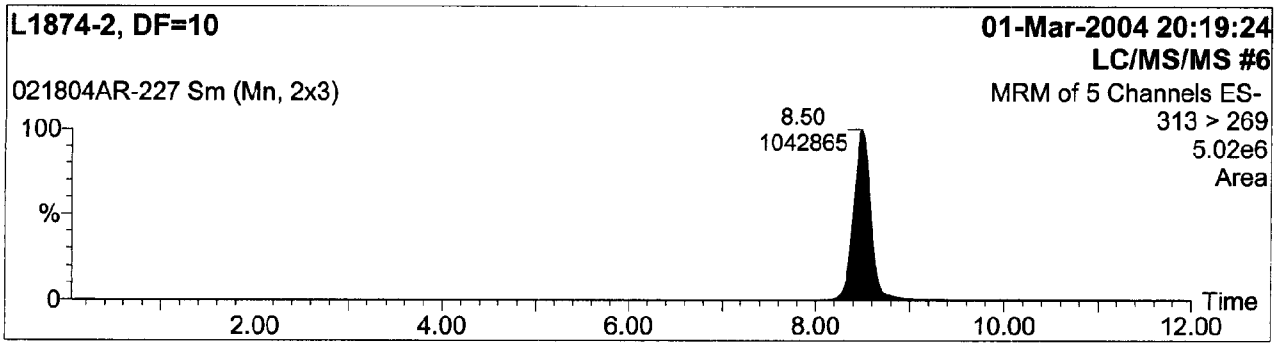
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

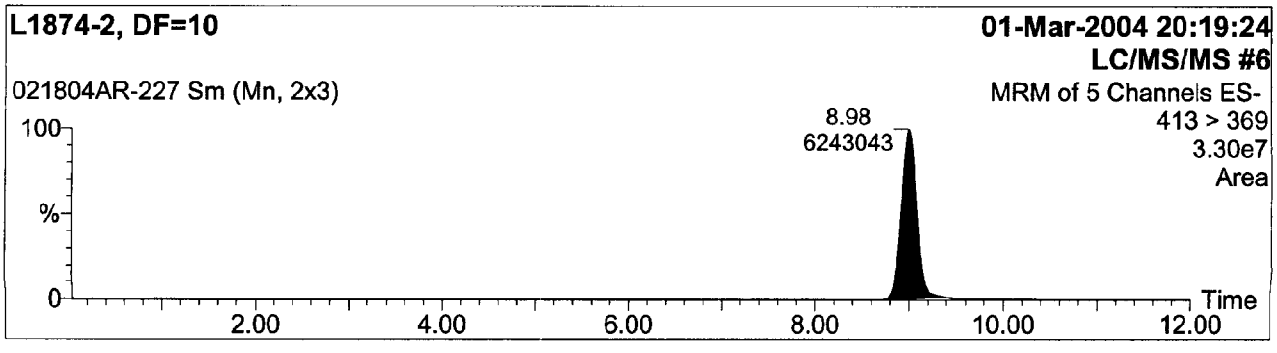
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-227
Text:

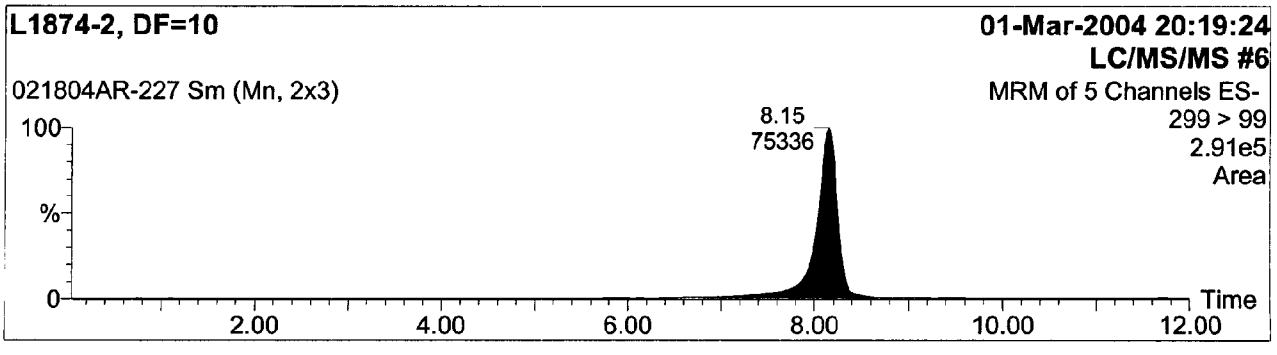
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



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Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

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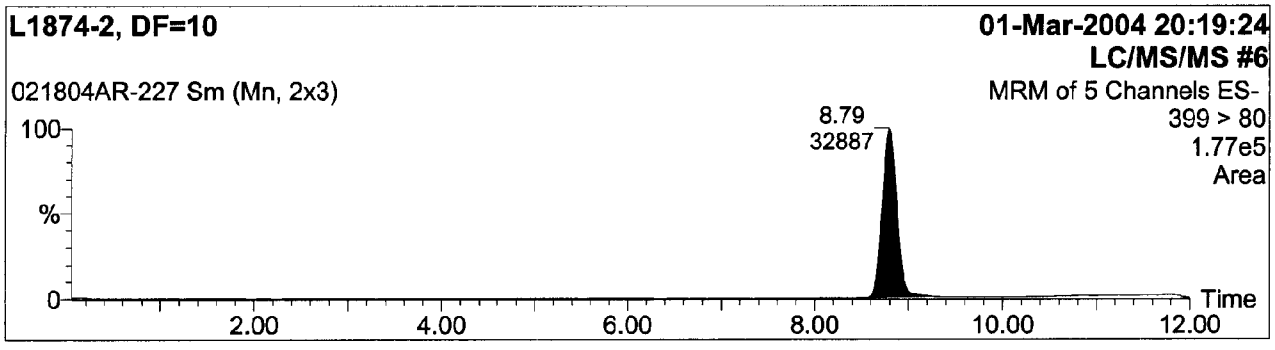
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

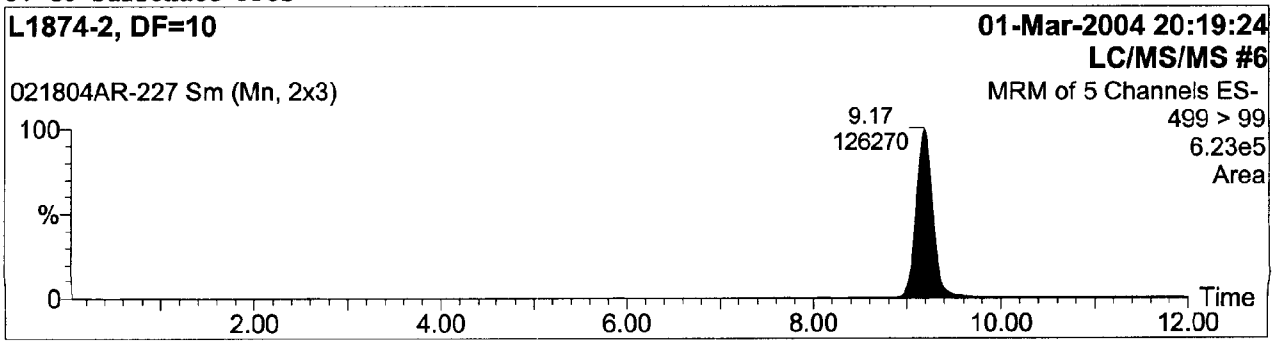
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-227
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



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Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

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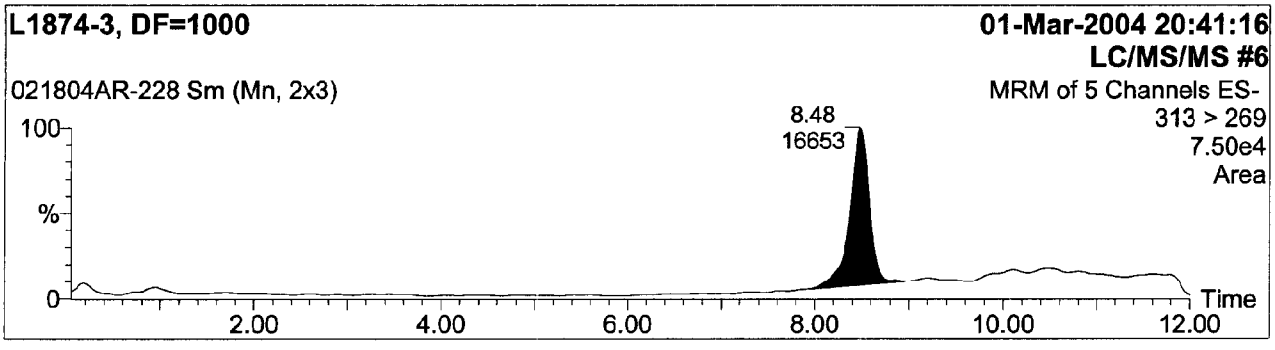
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

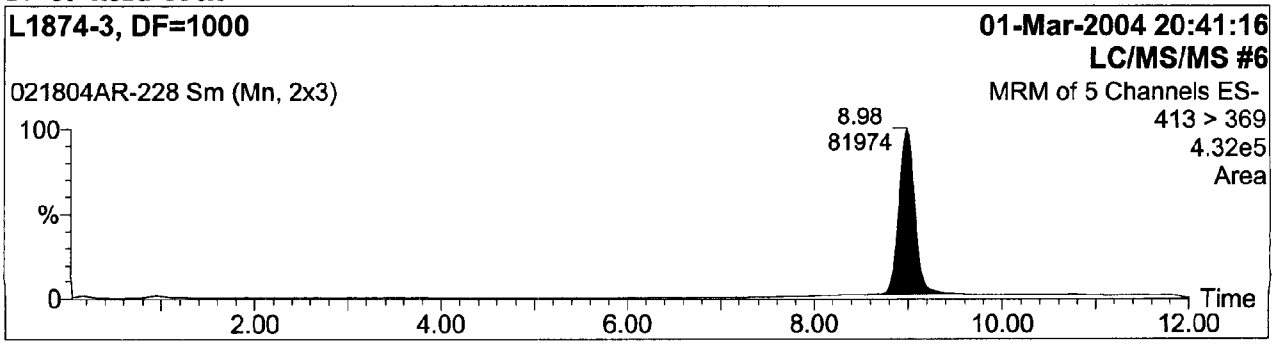
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-228
Text:

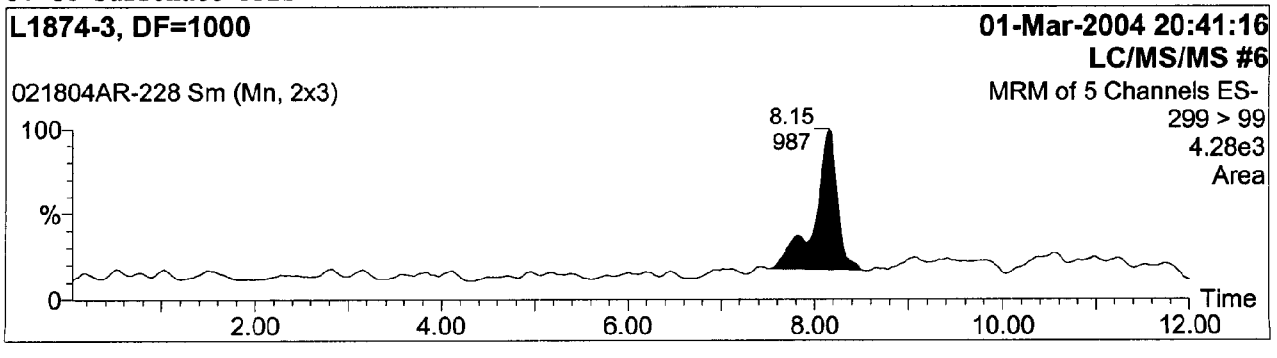
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



Exygen Research, 3058 Research Drive, State College, PA 16801

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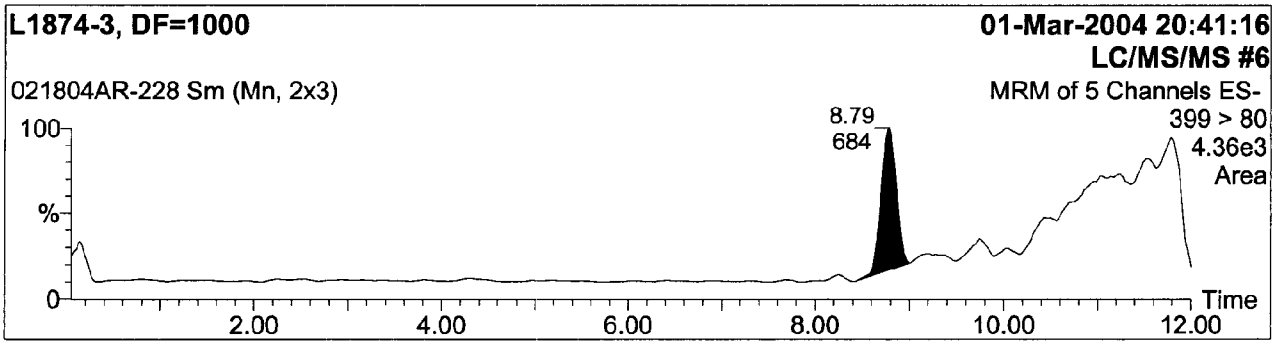
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

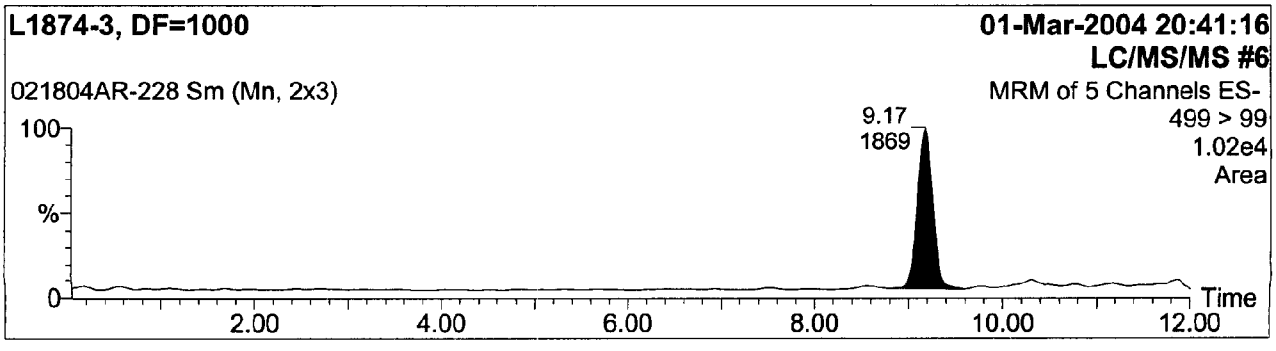
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-228
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



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Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

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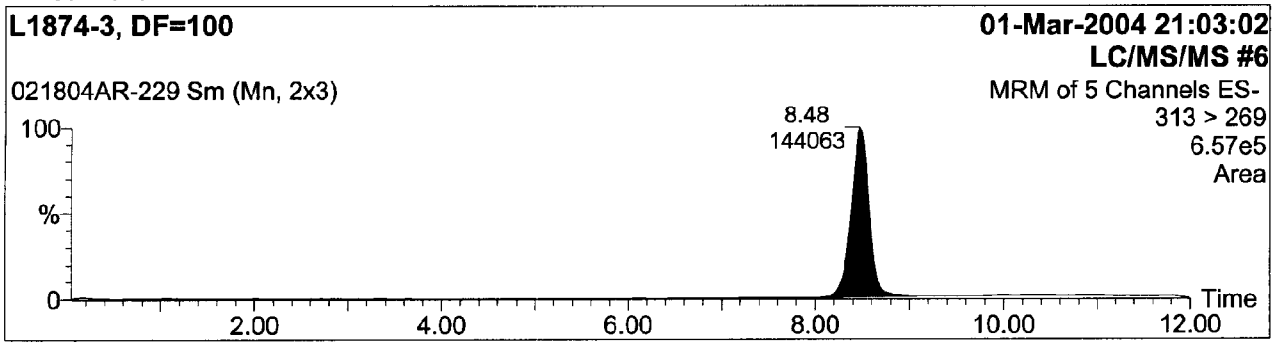
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

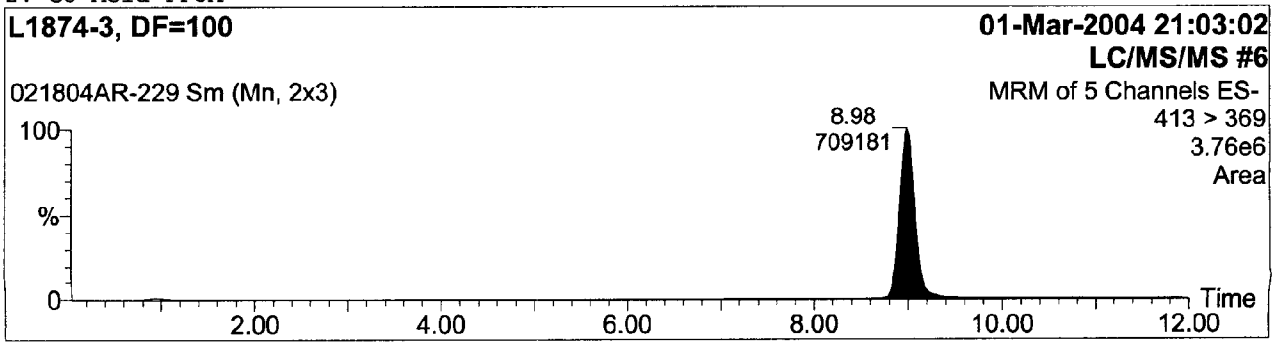
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-229
Text:

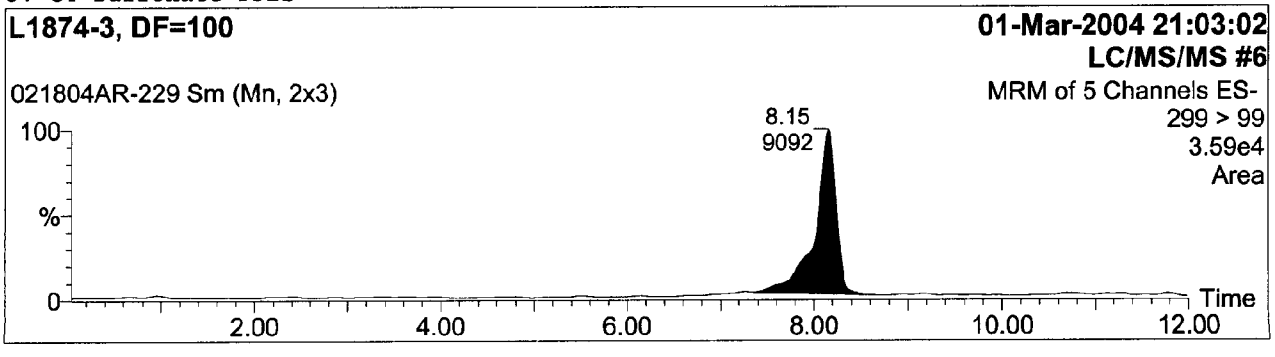
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



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Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

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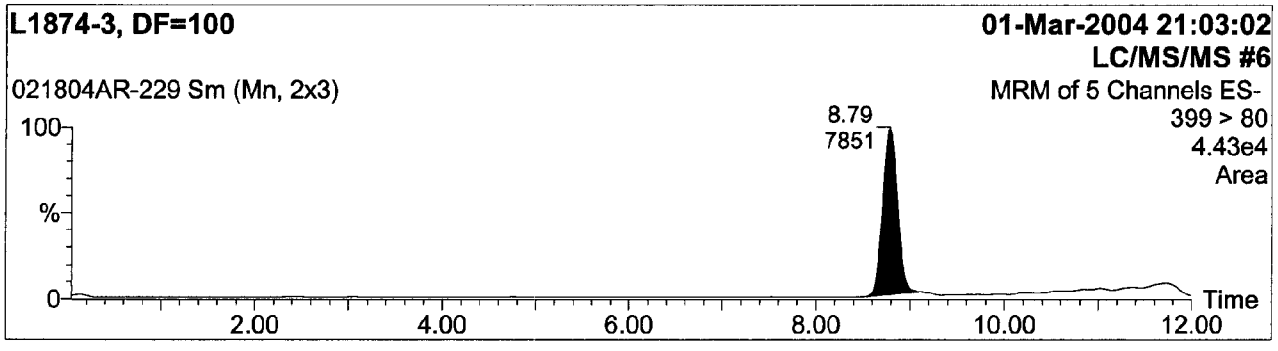
Job Code:

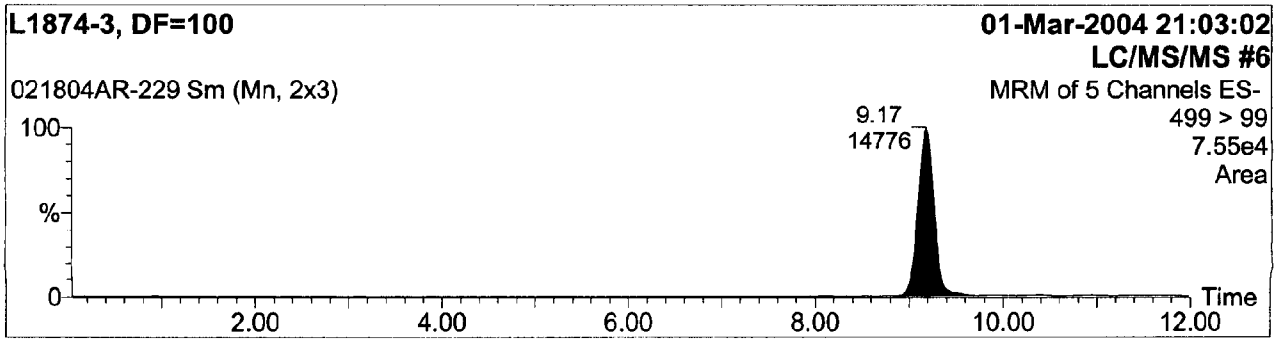
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-229
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



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Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

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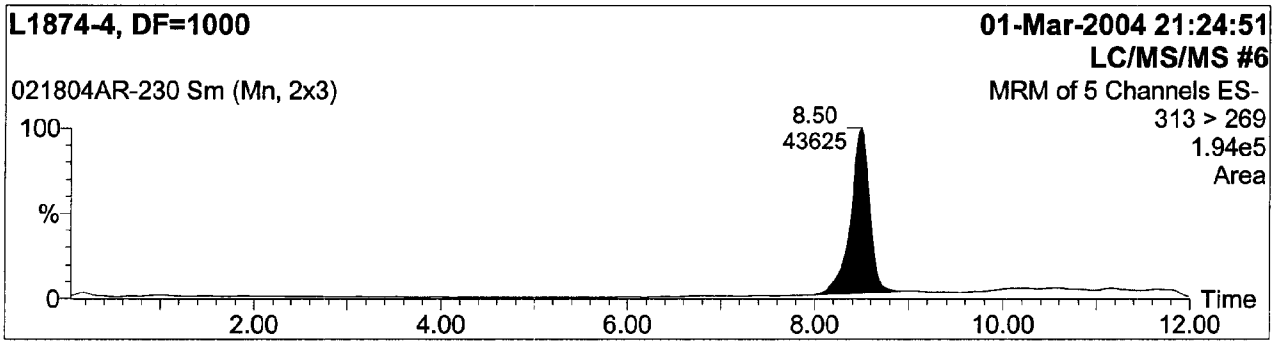
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

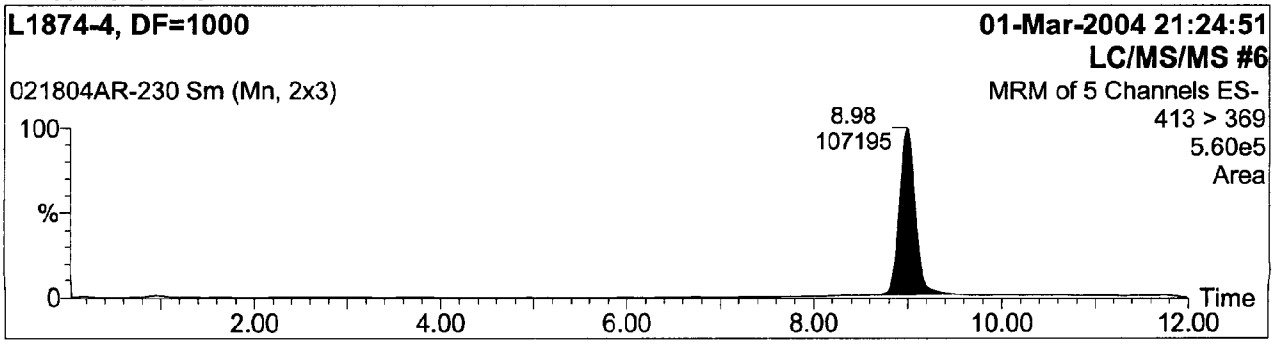
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-230
Text:

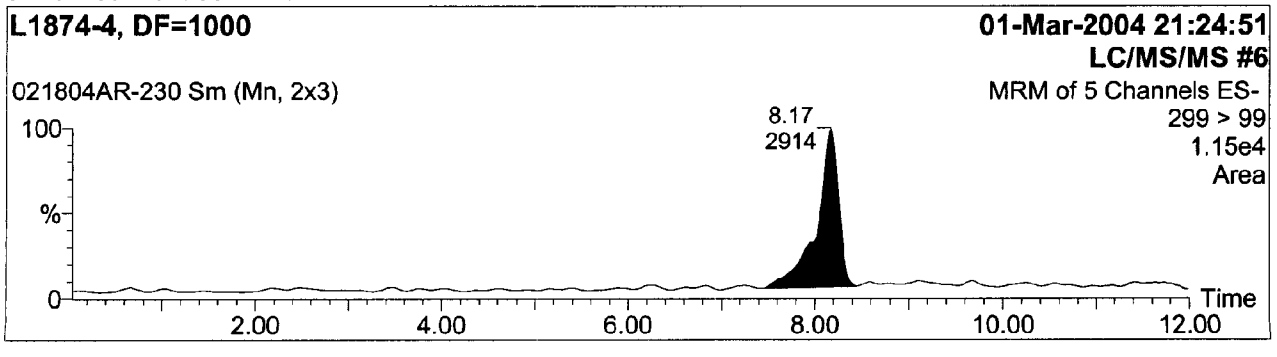
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



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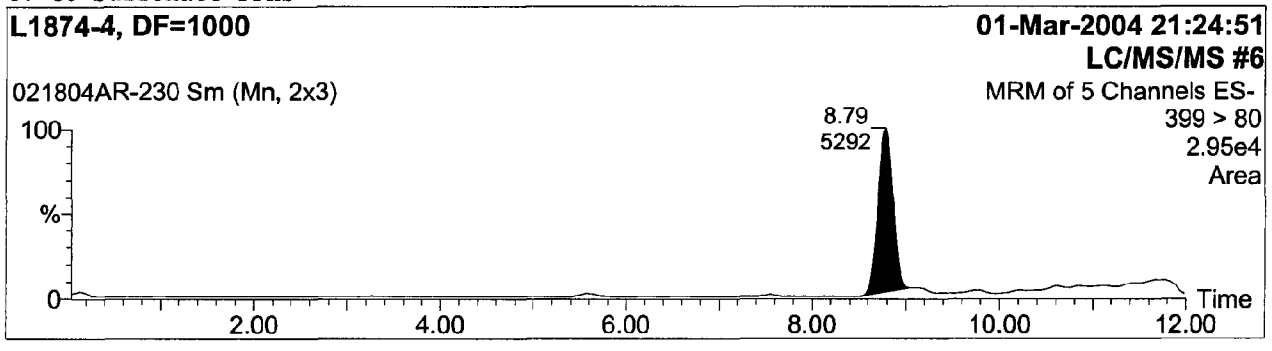
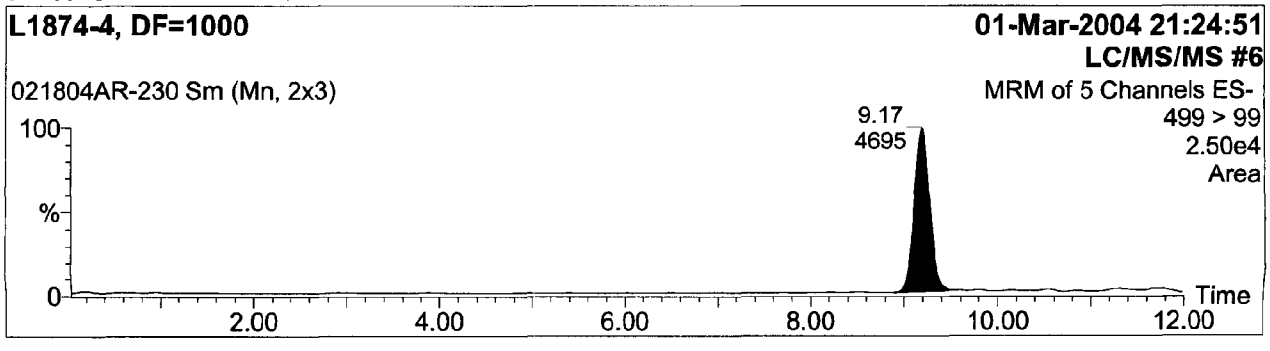
Name: 021804AR-230
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



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Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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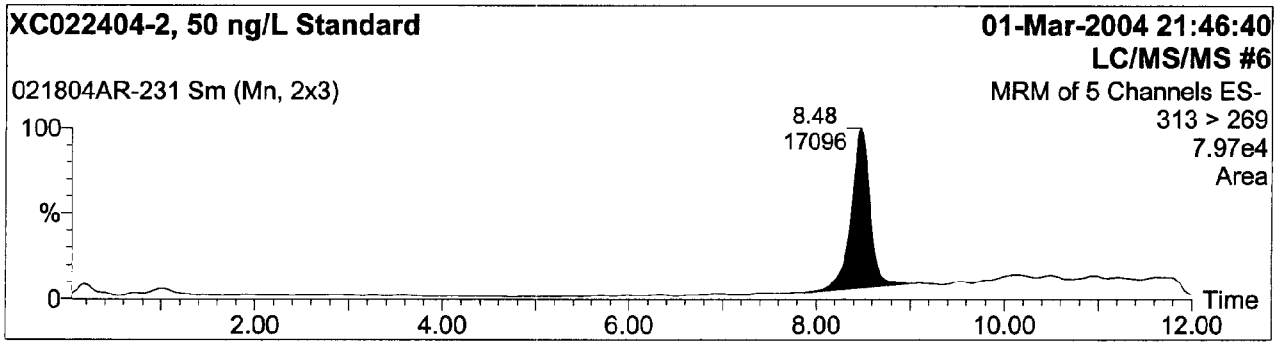
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

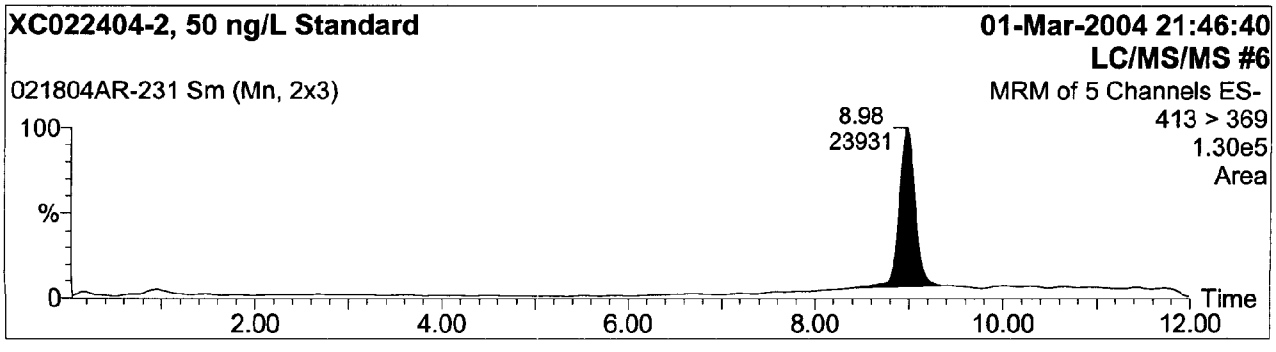
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-231
Text:

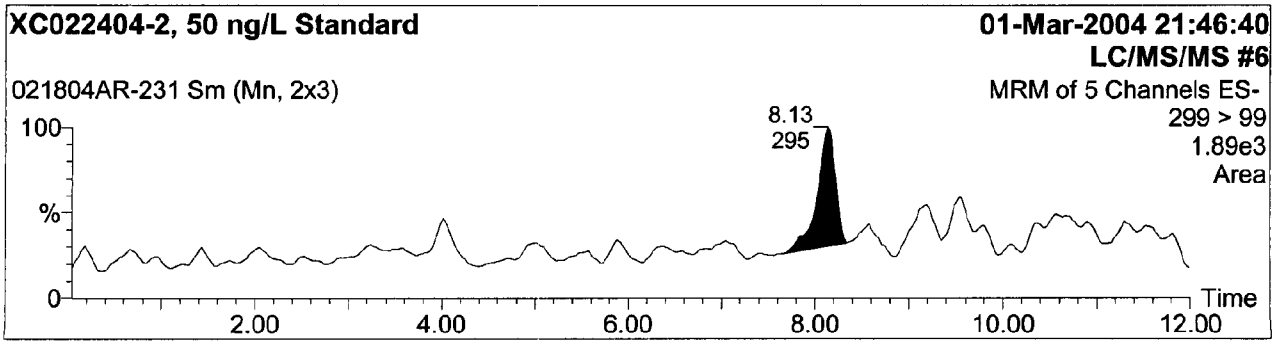
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



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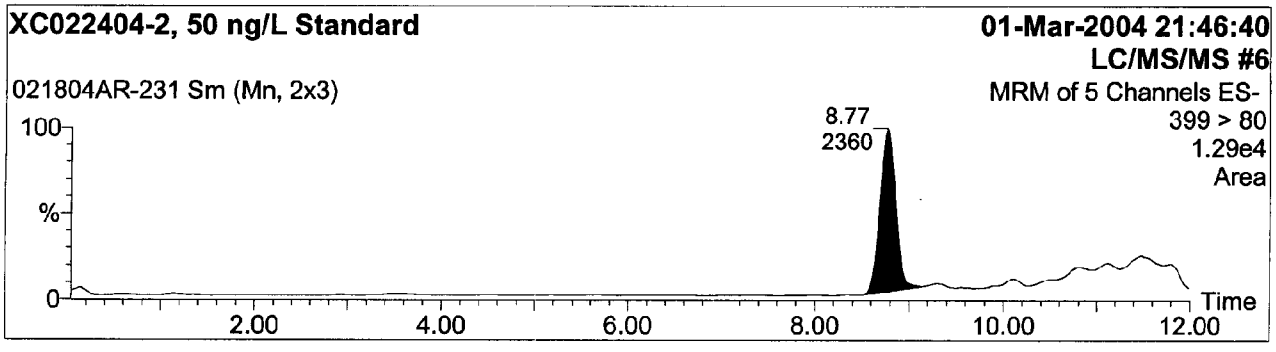
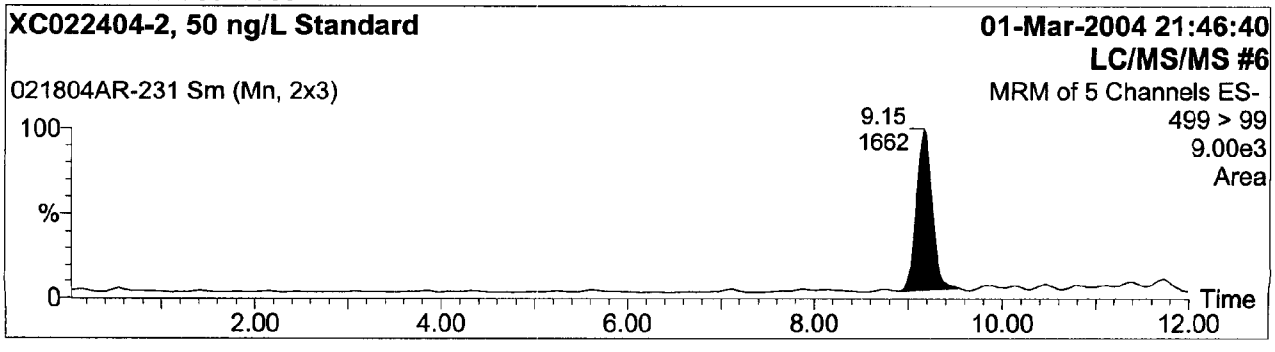
Name: 021804AR-231
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

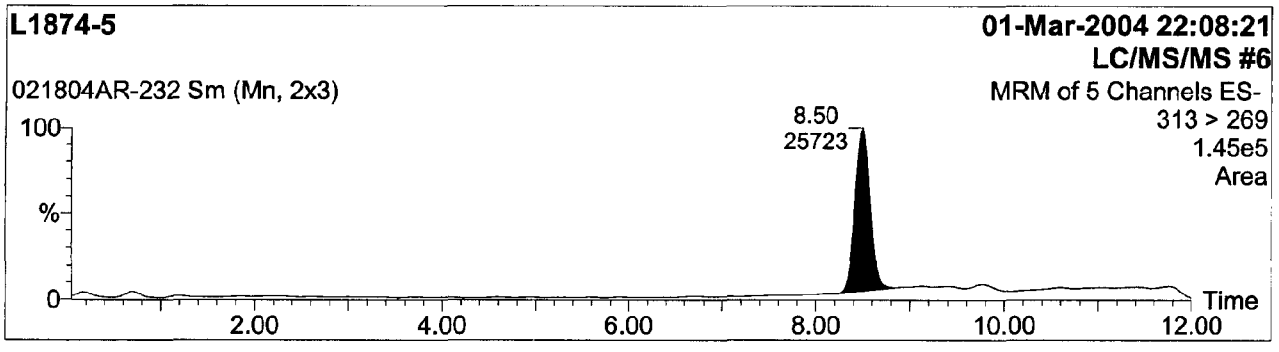
Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

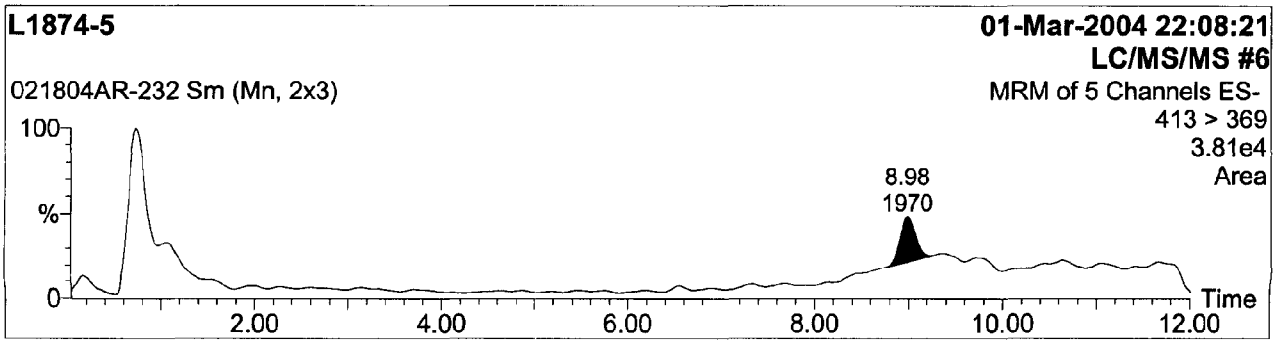
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-232
Text:

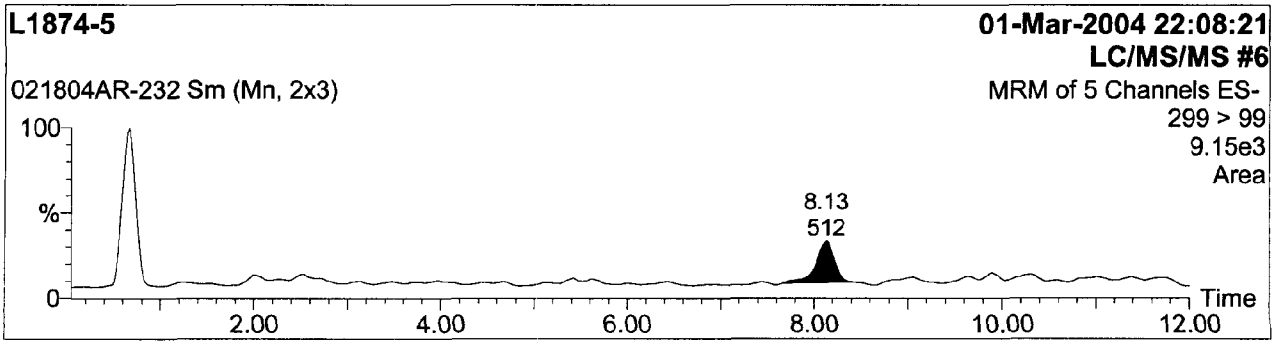
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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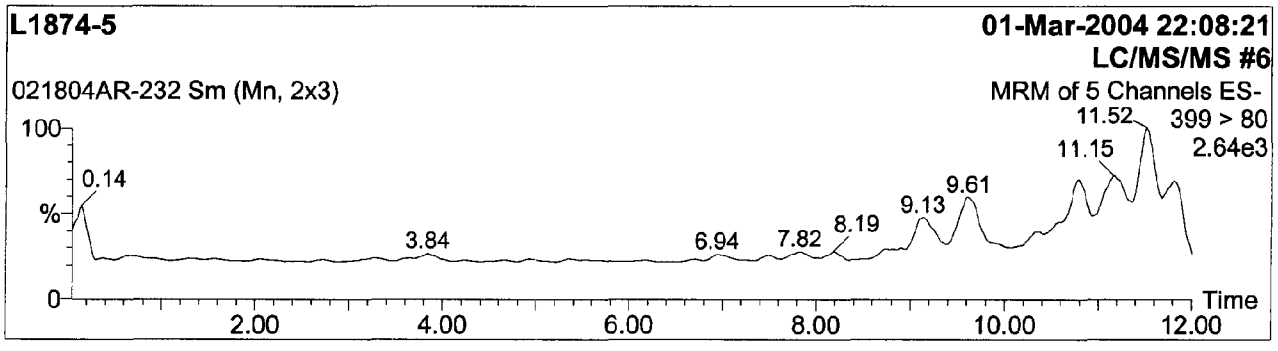
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

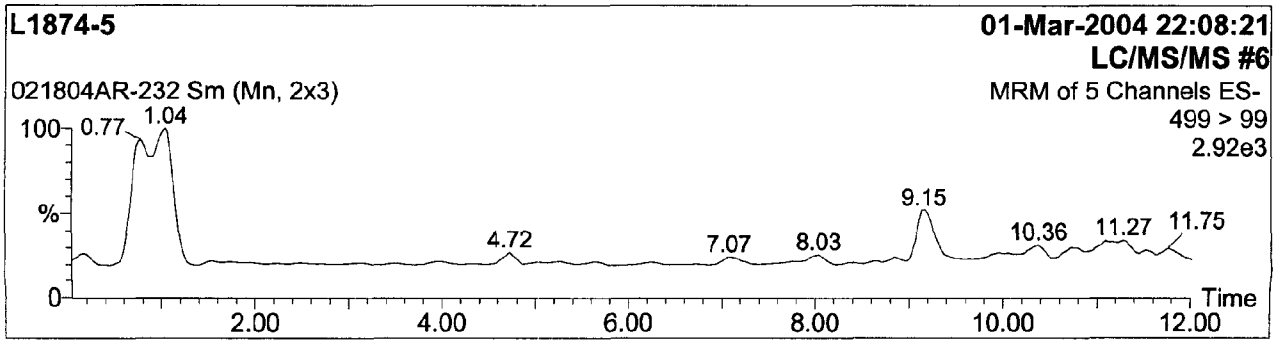
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-232
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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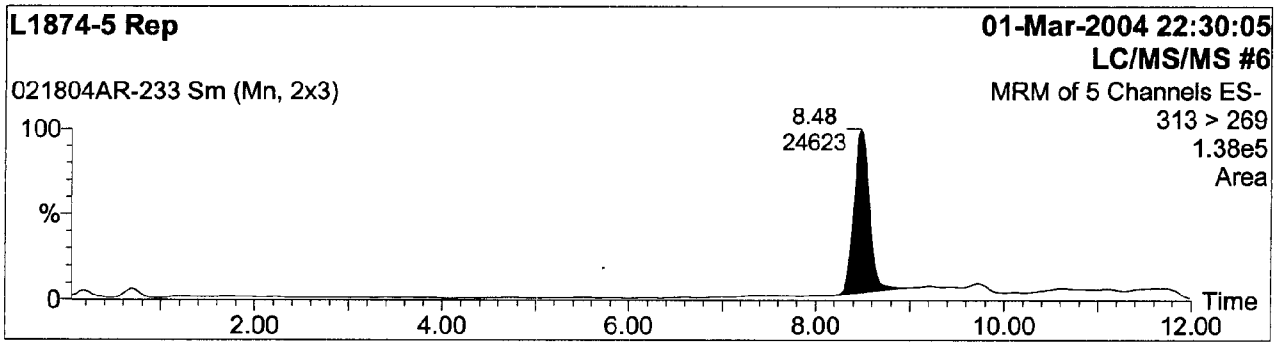
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

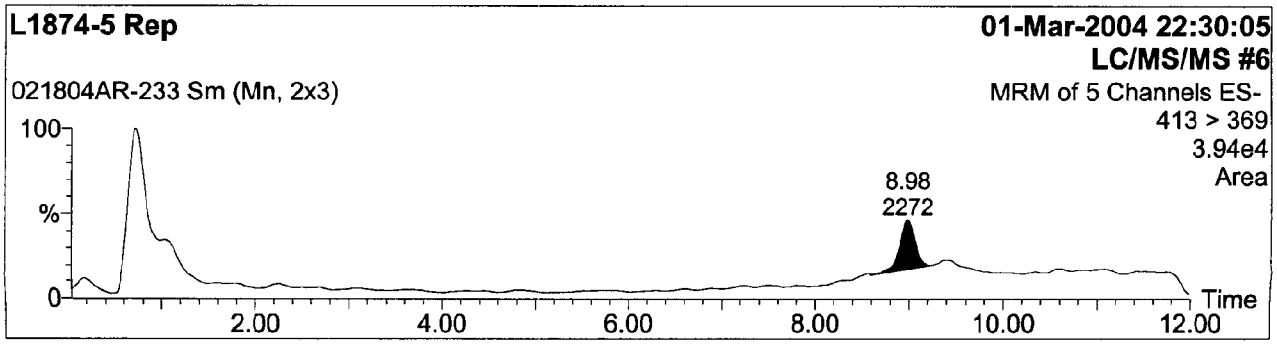
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-233
Text:

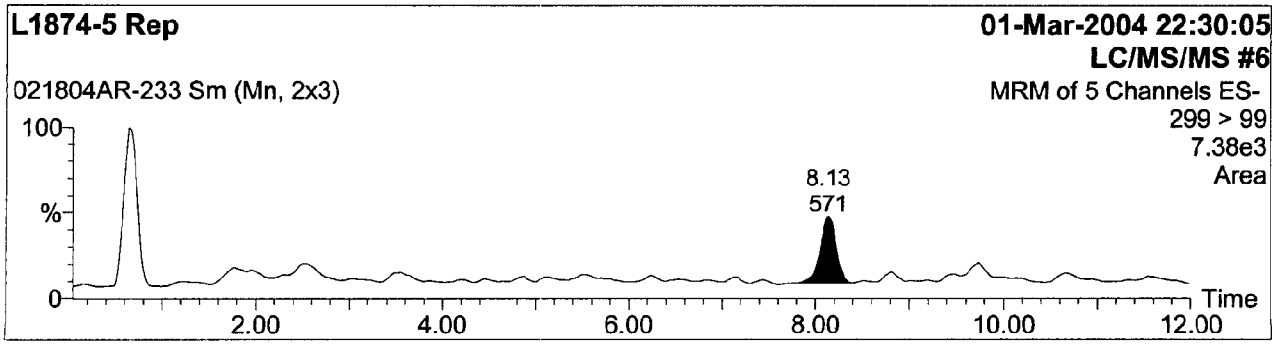
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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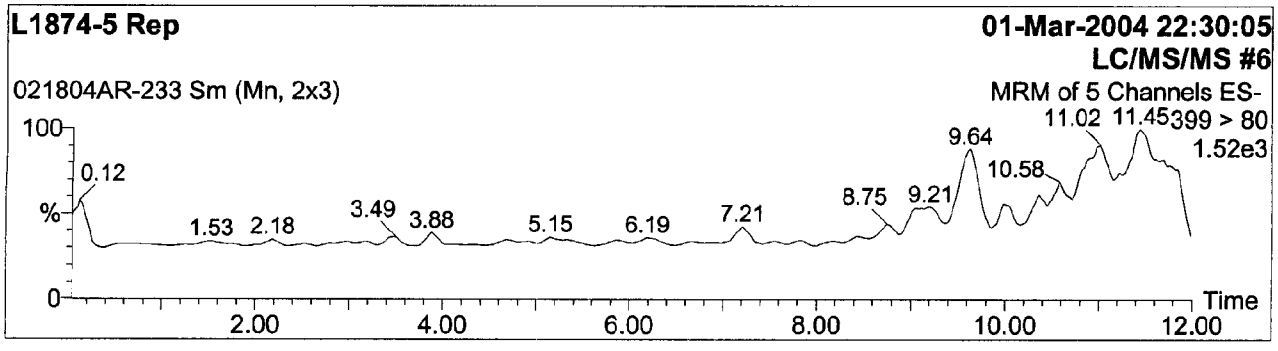
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

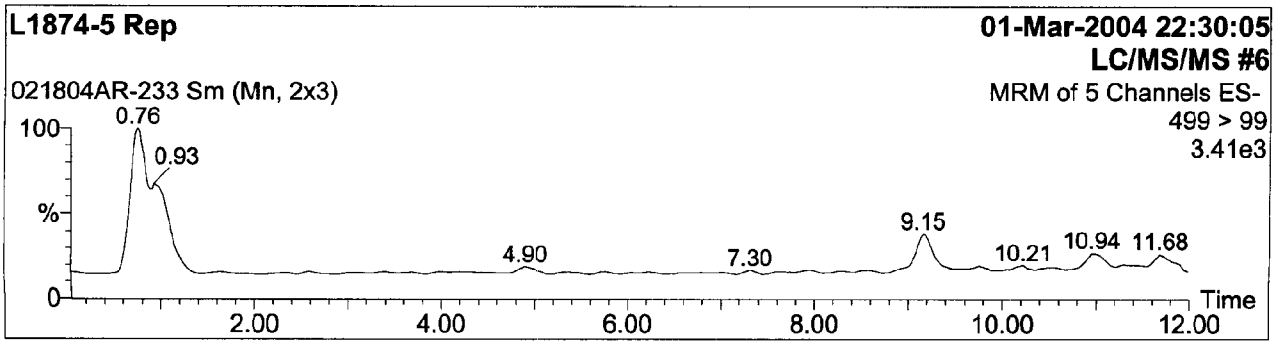
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-233
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



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Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

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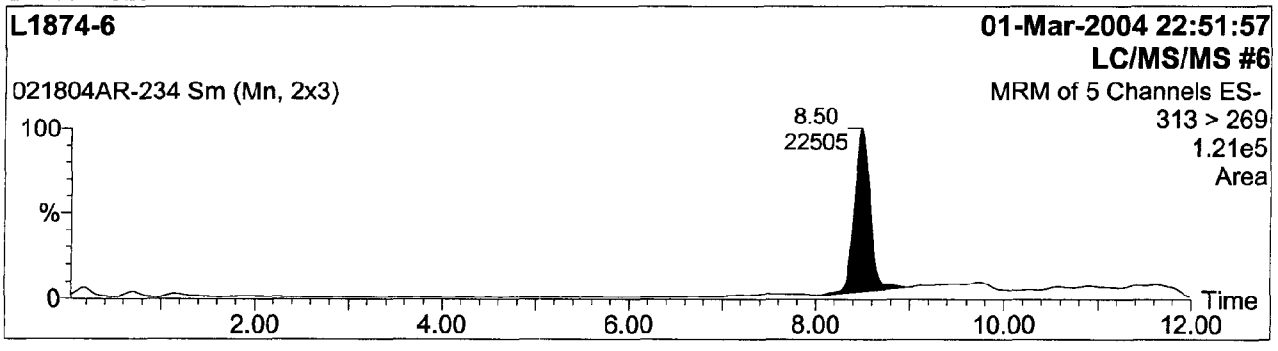
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

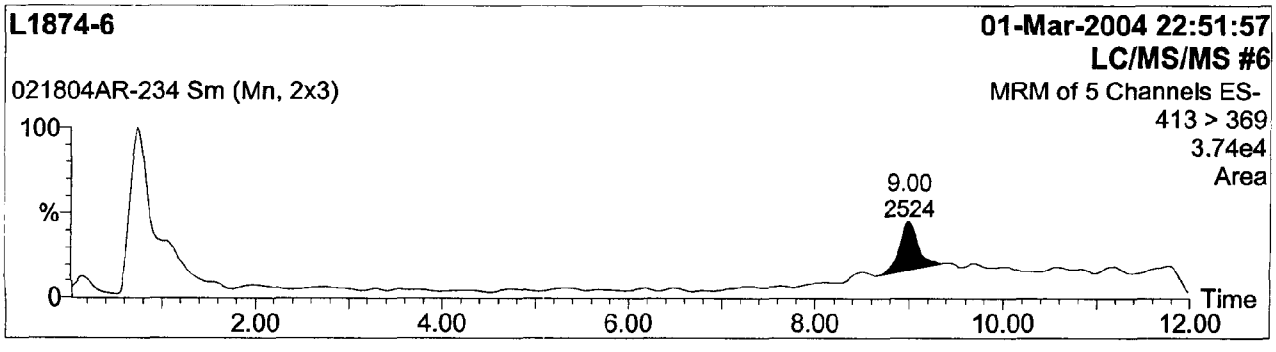
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-234
Text:

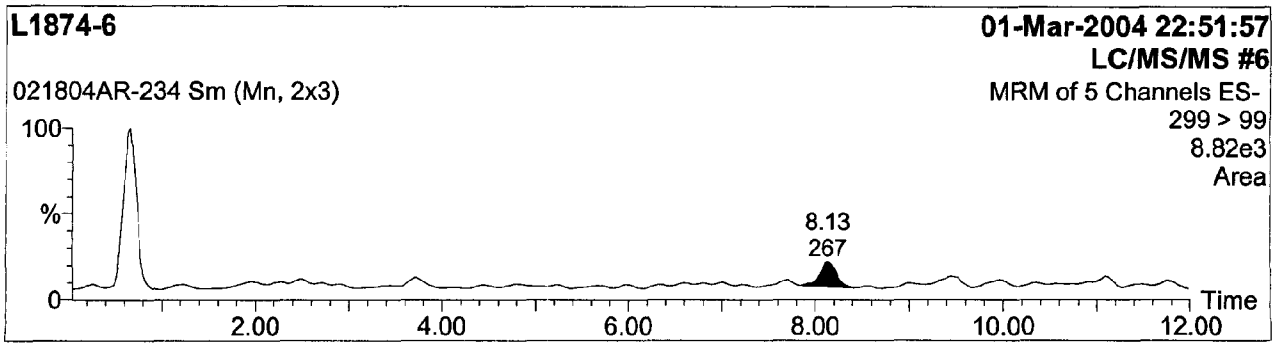
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



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Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

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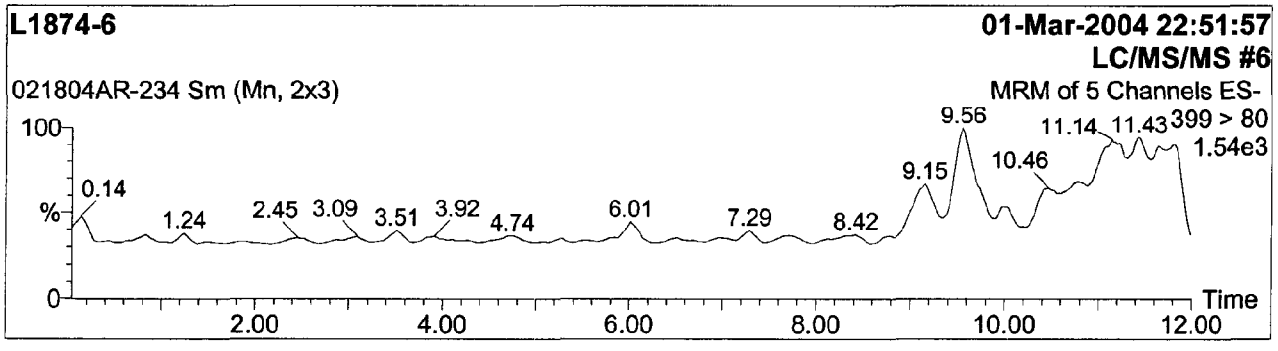
Job Code:

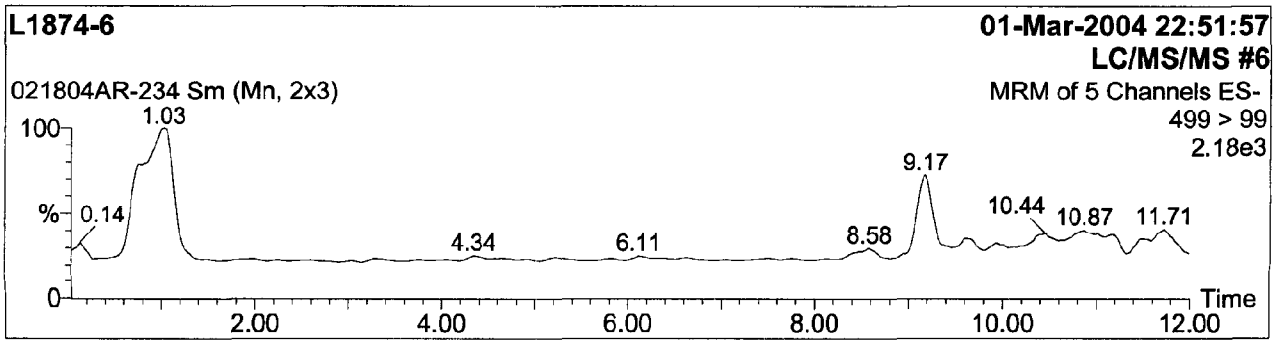
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-234
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



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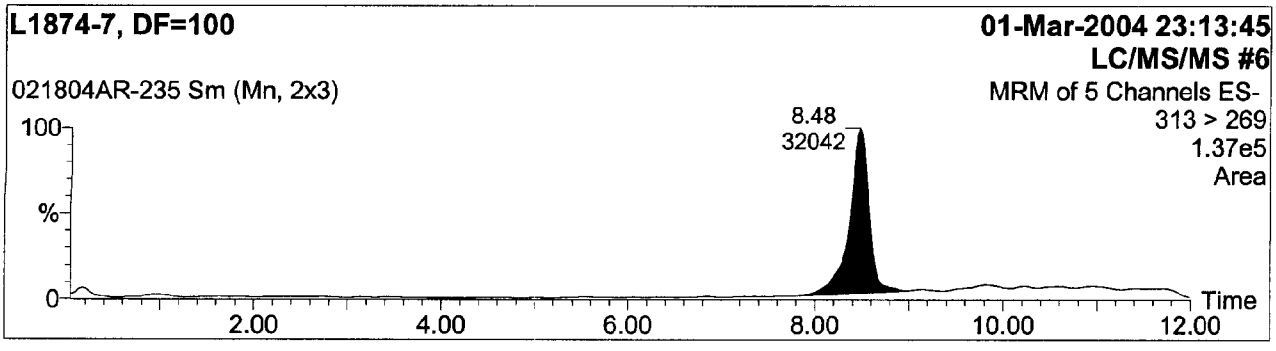
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

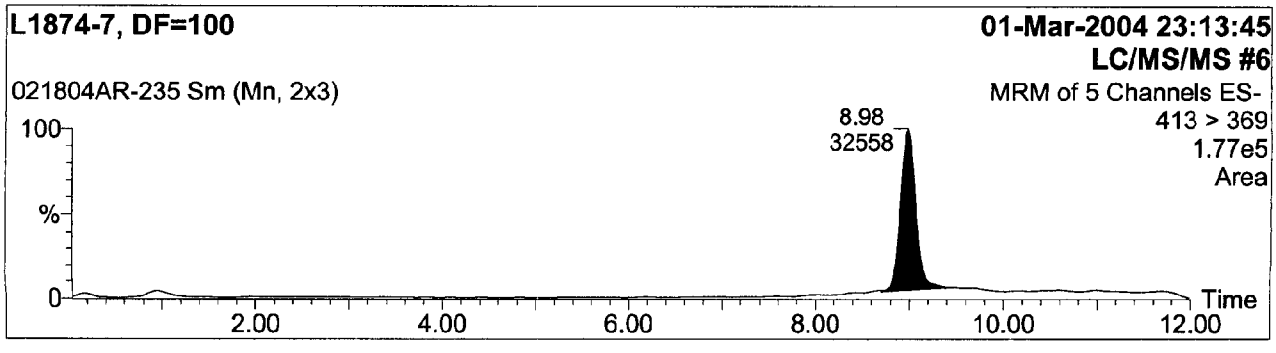
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-235
Text:

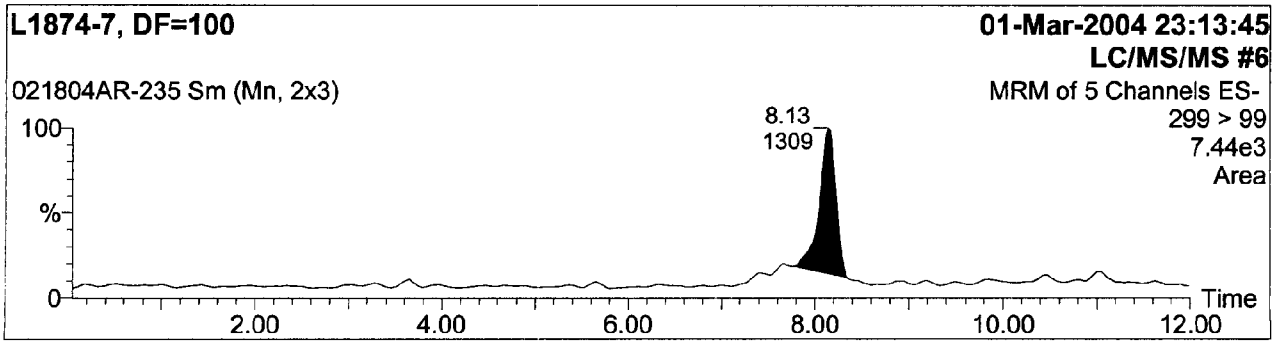
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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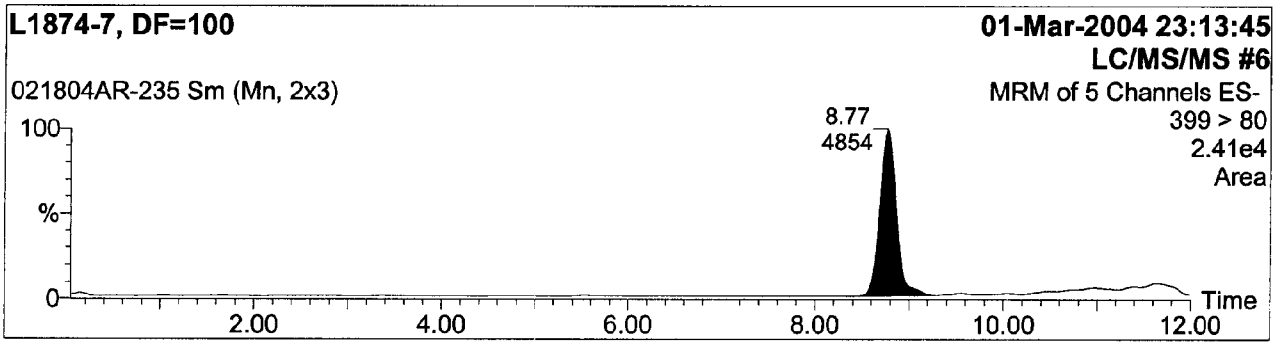
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

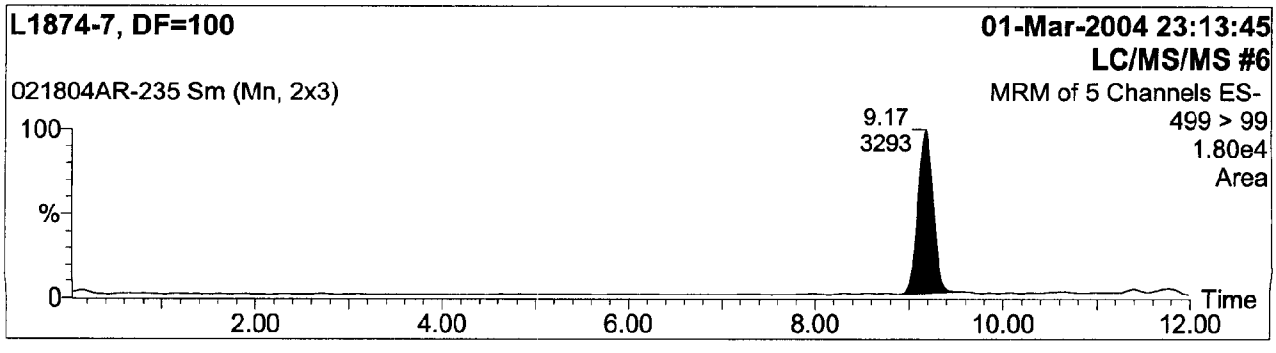
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-235
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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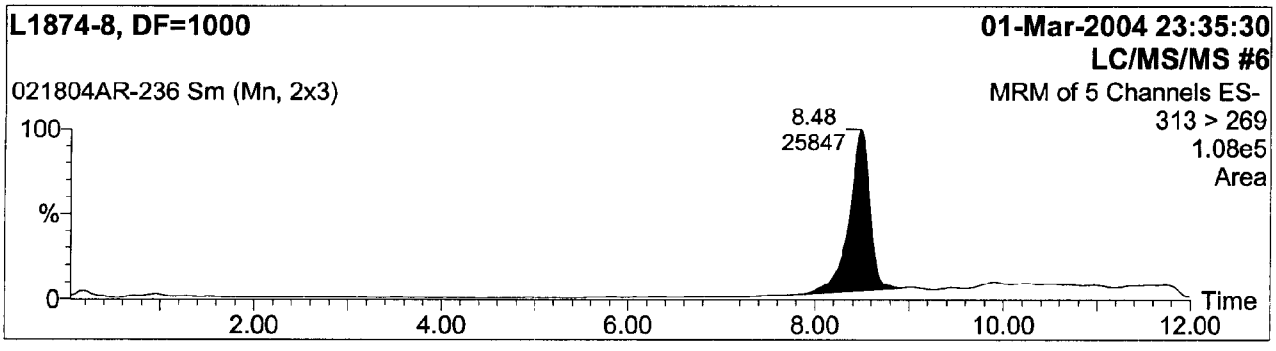
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

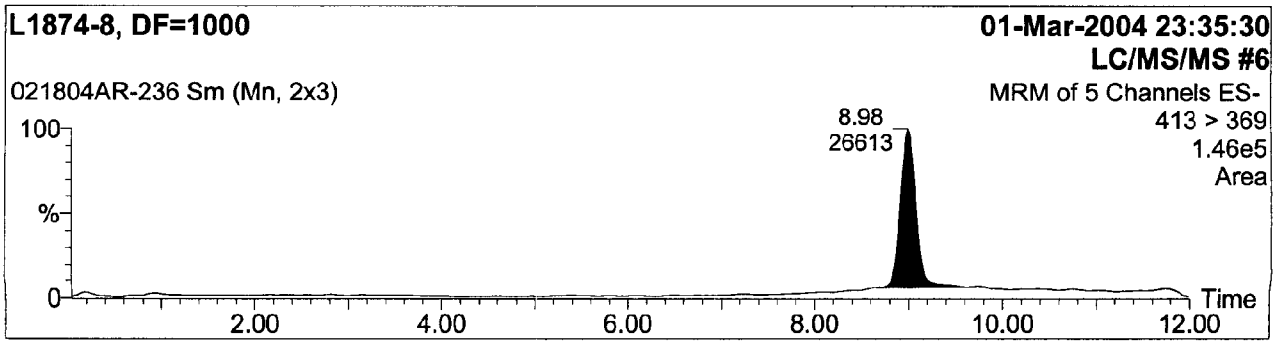
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-236
Text:

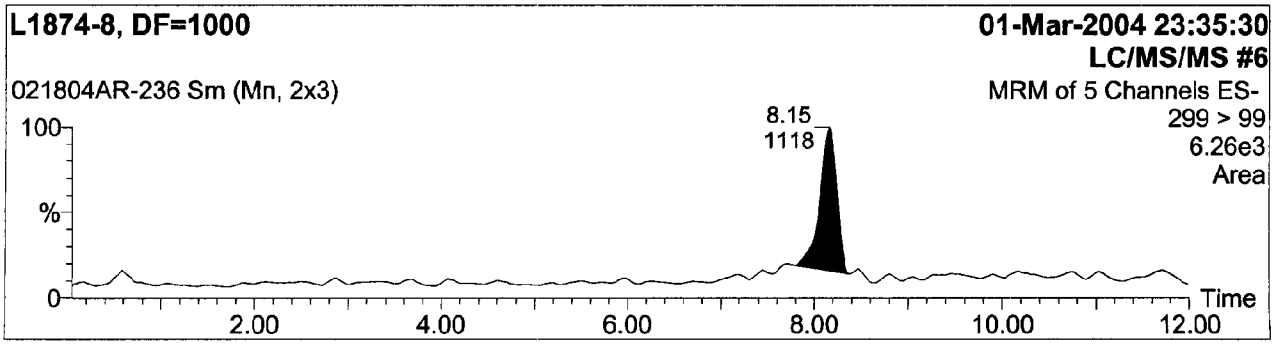
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

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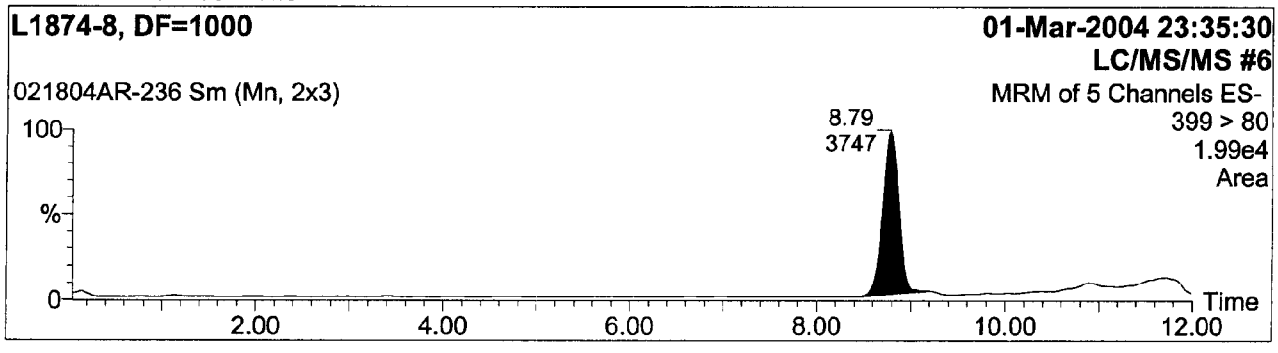
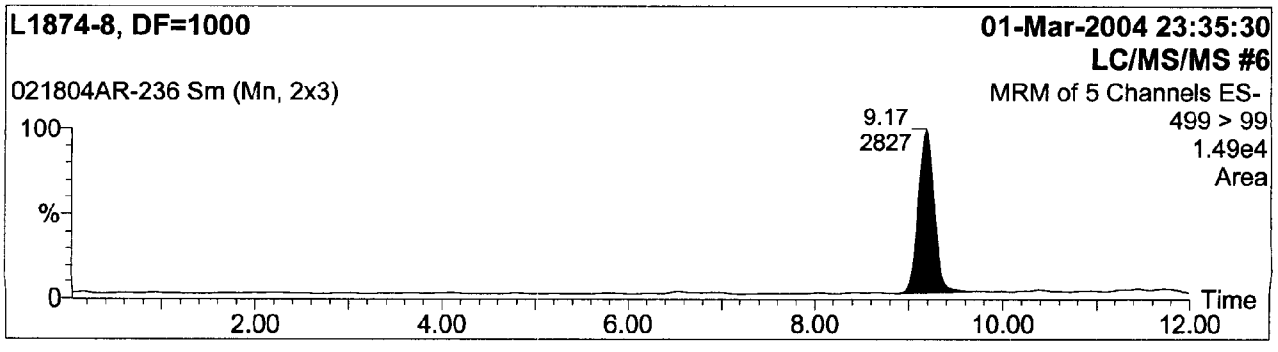
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-236
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



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Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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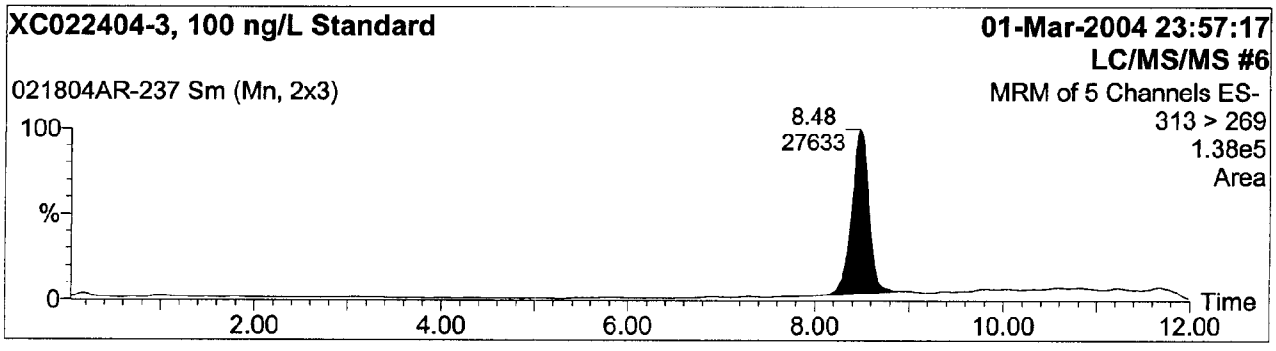
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

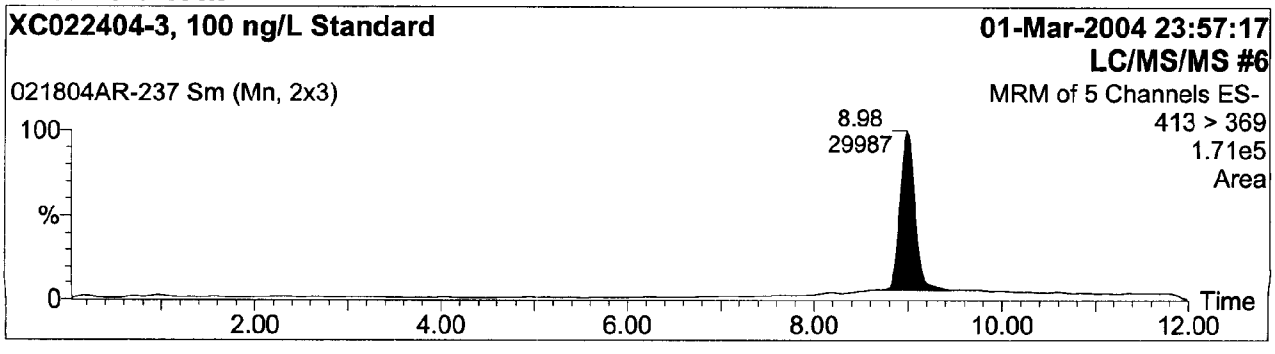
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-237
Text:

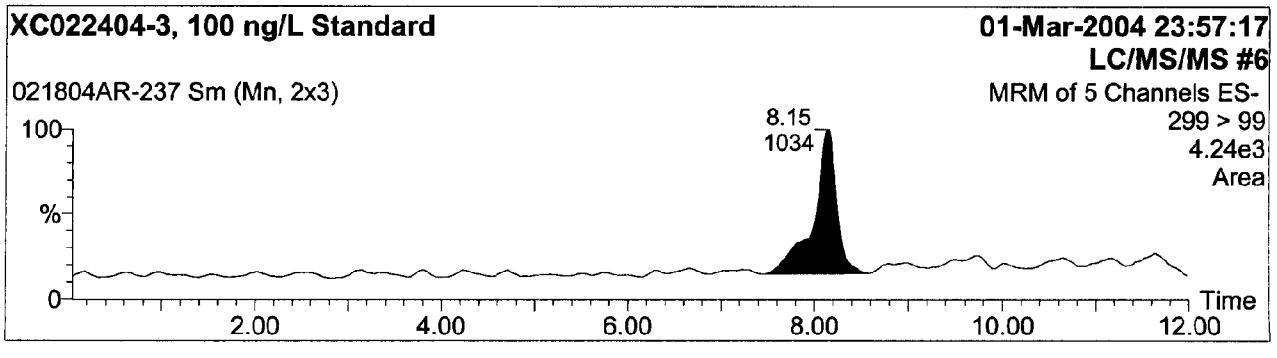
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



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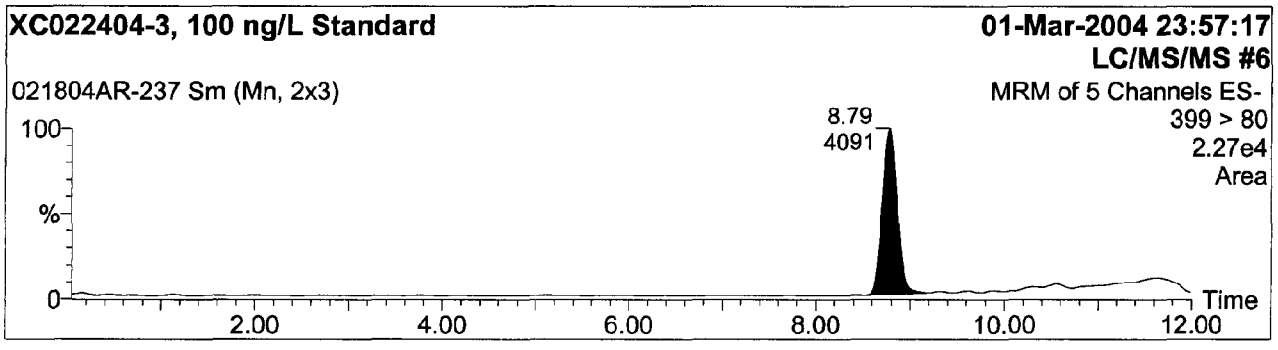
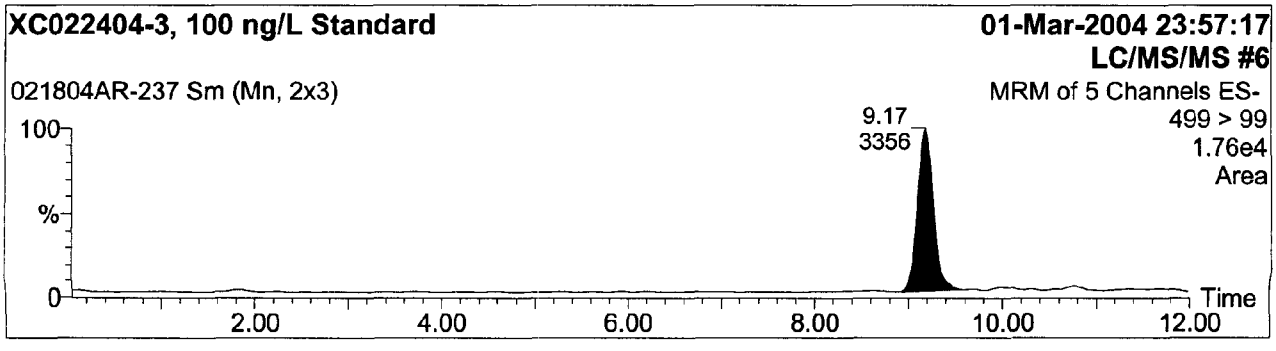
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-237
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



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Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

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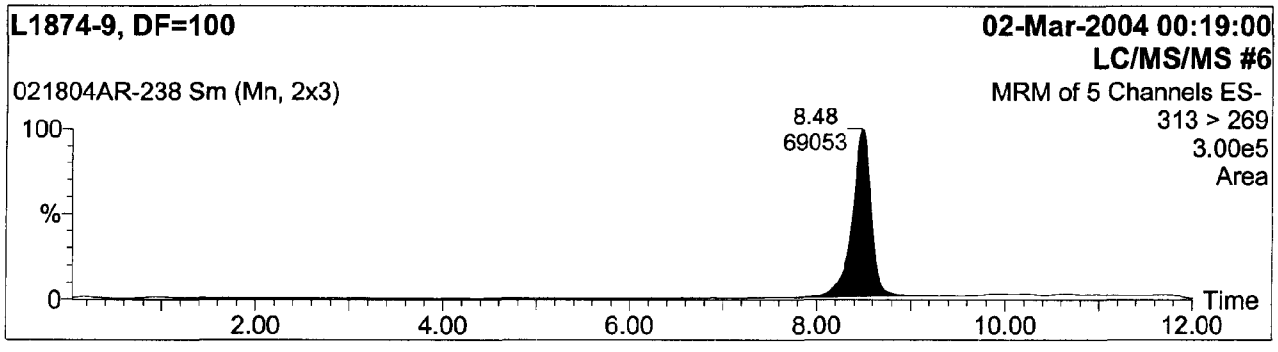
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

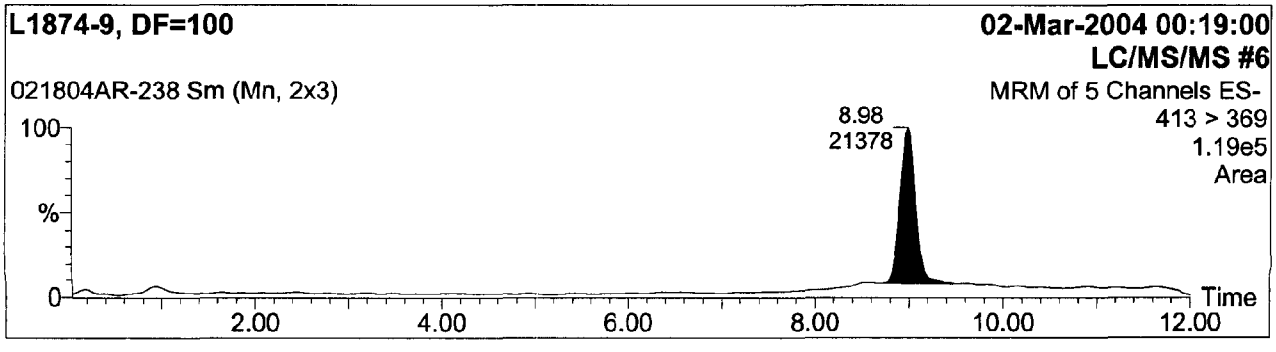
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-238
Text:

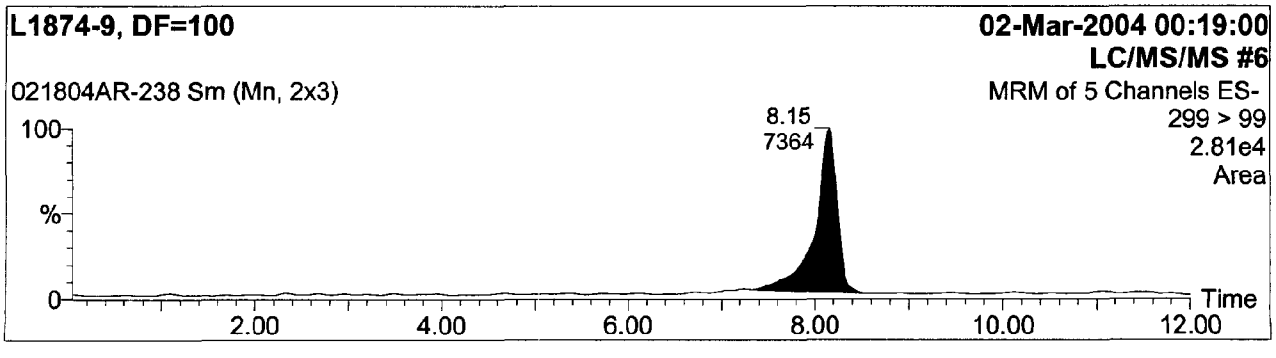
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



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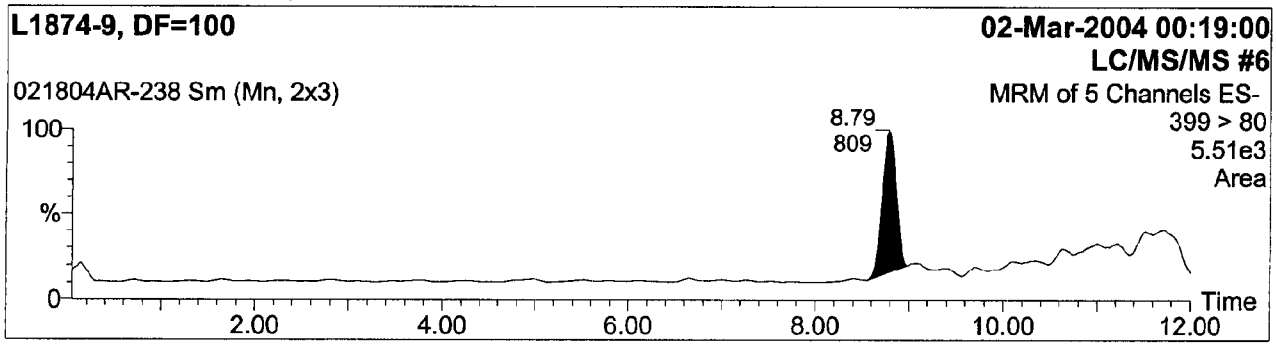
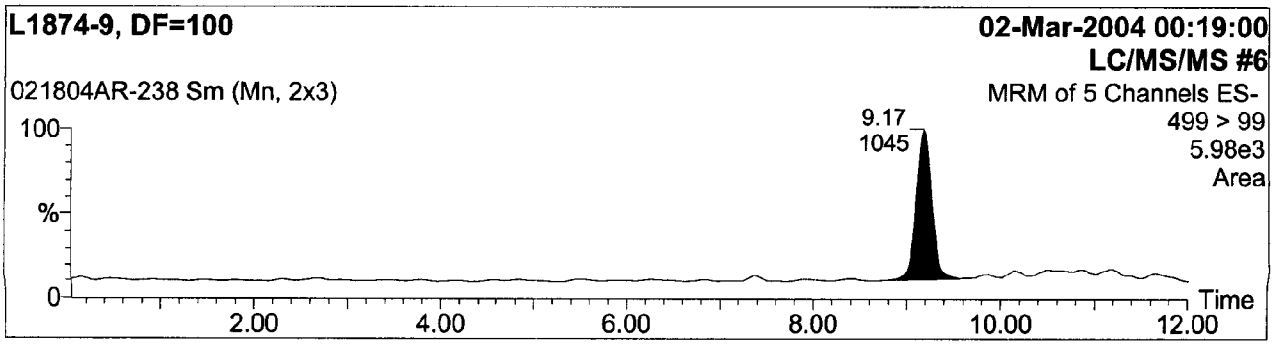
Name: 021804AR-238
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

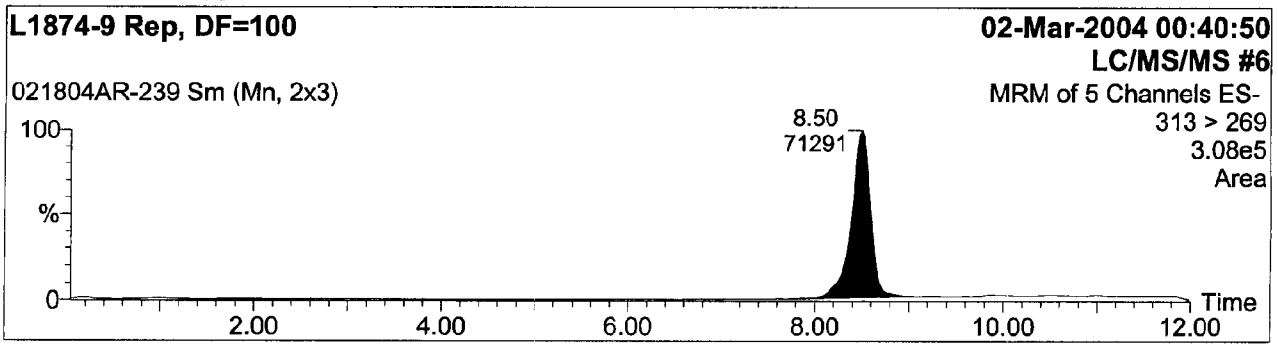
Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

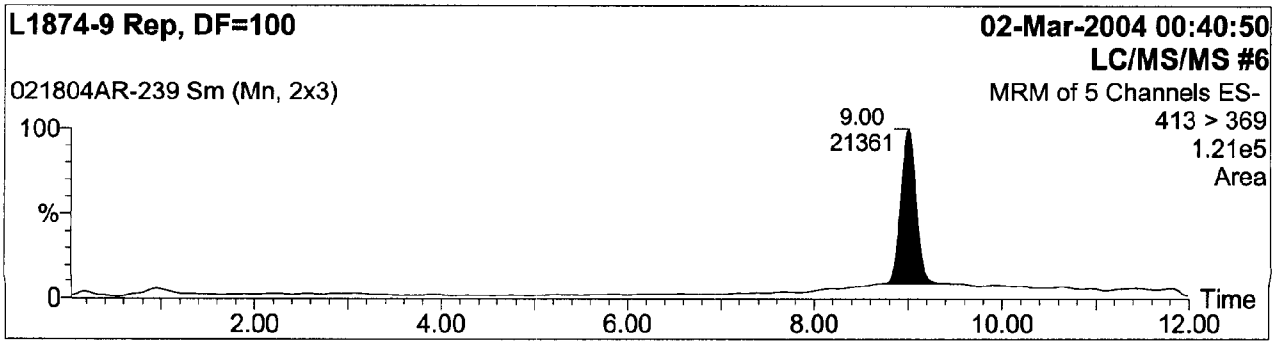
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-239
Text:

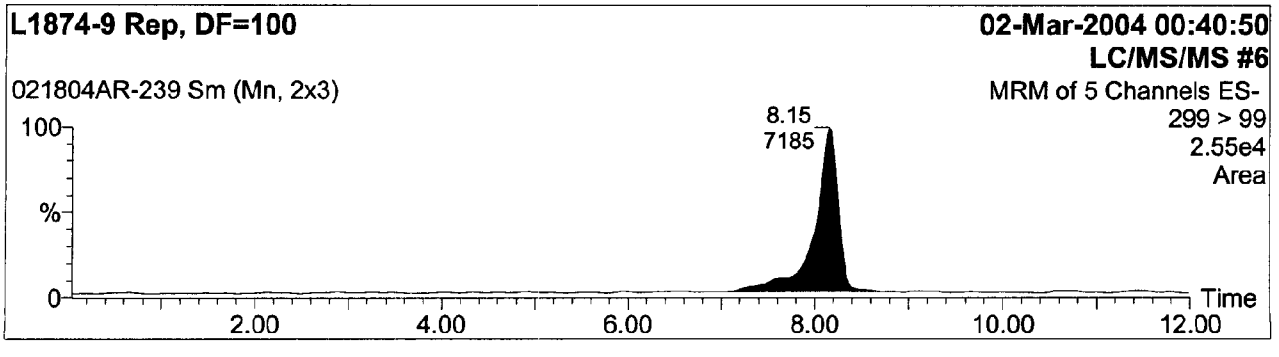
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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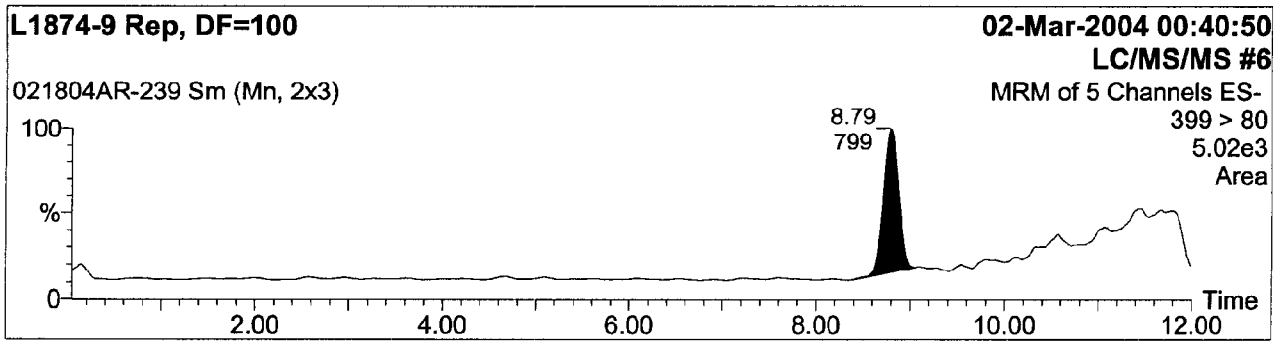
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

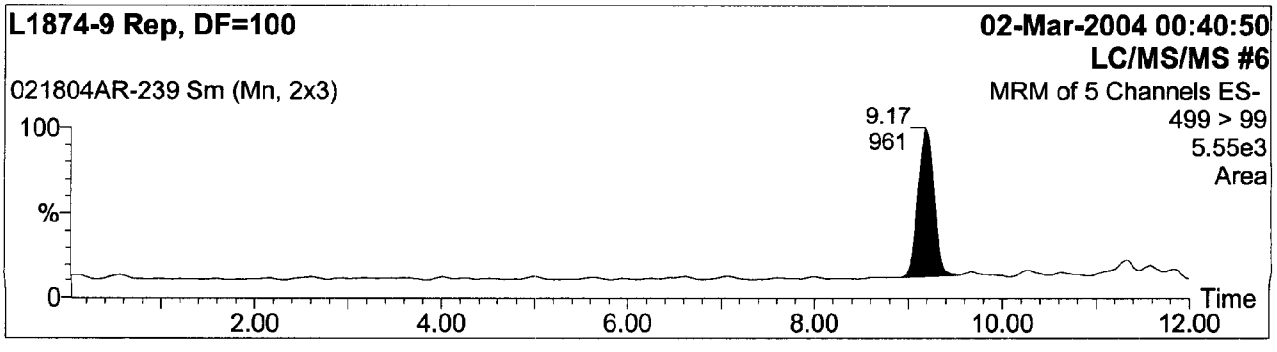
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-239
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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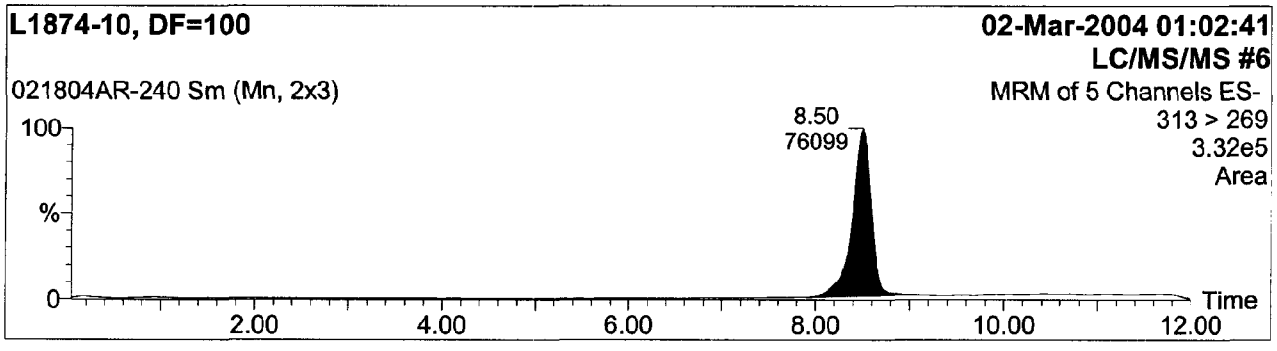
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

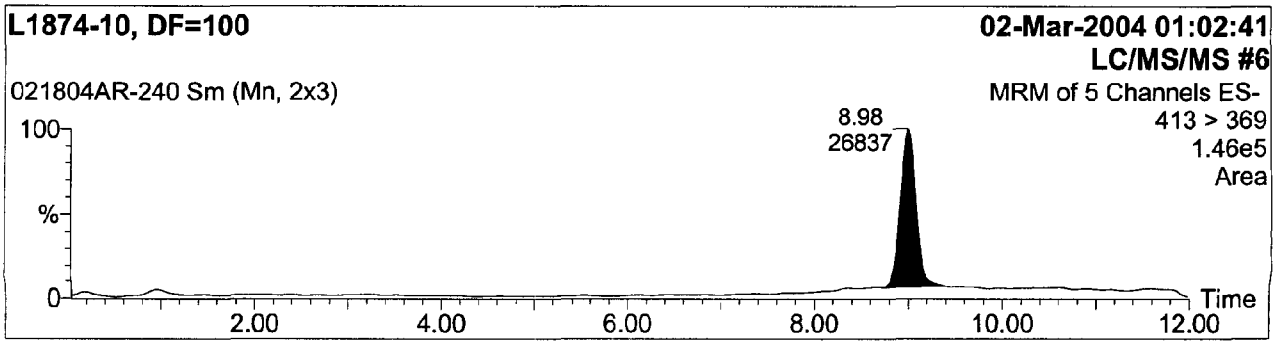
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-240
Text:

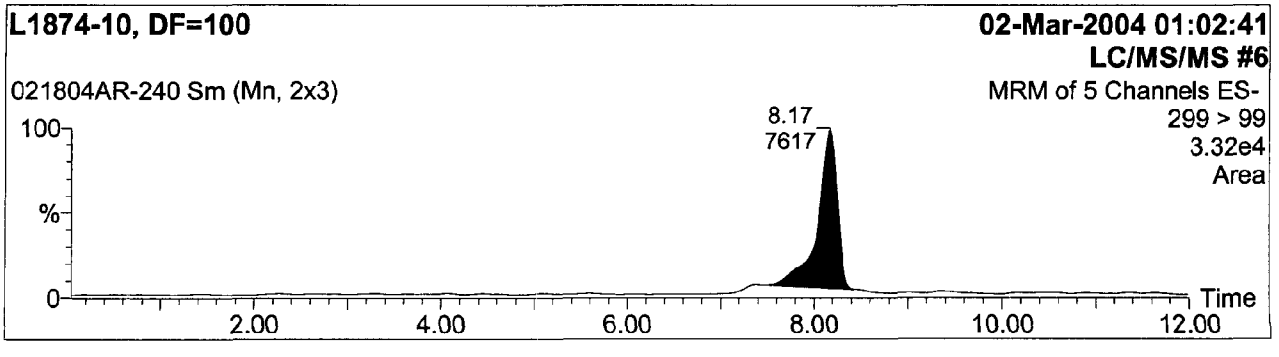
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



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Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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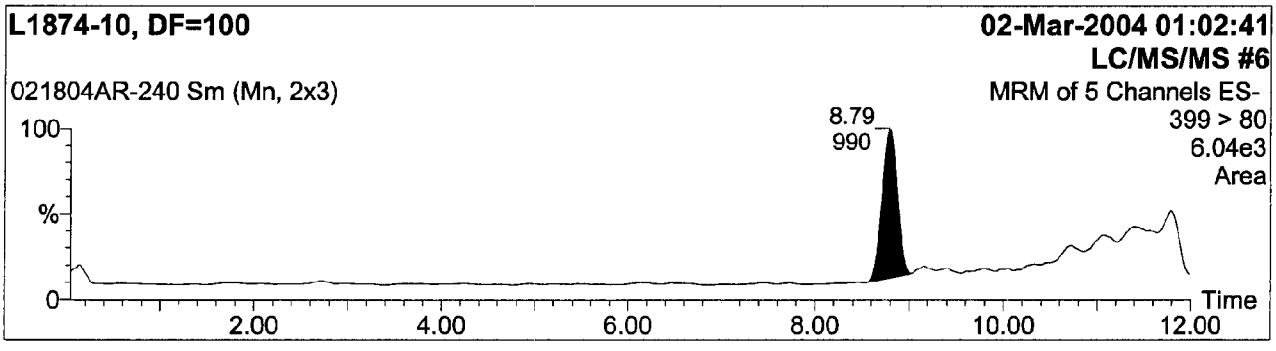
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

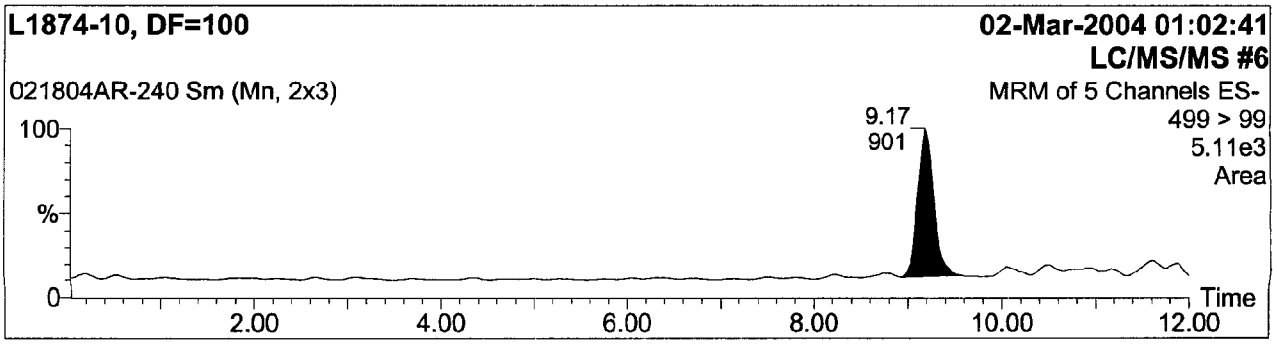
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-240
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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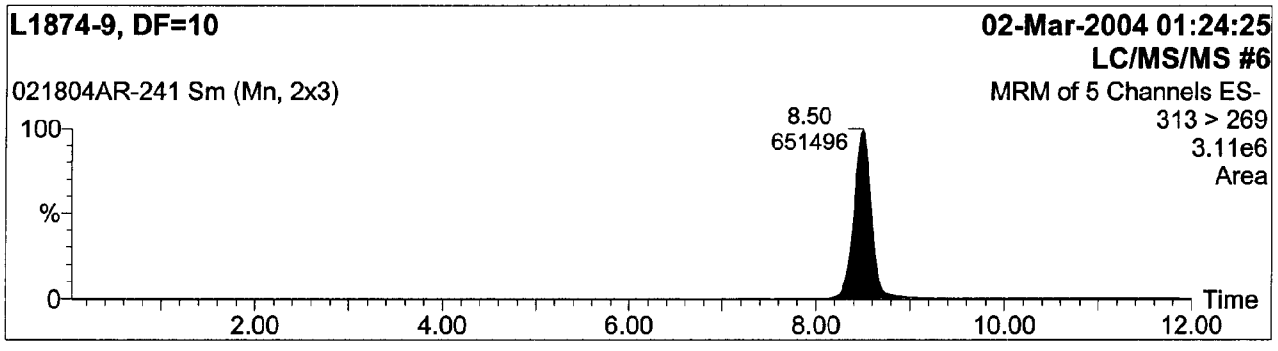
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

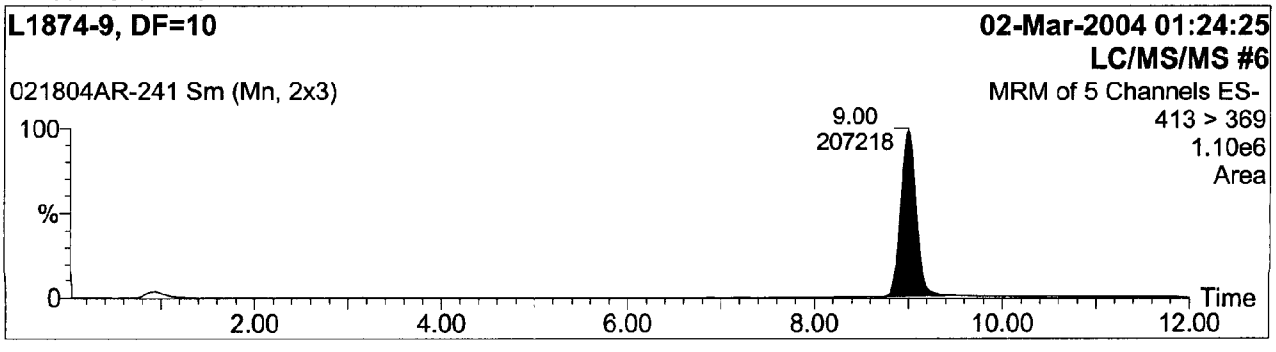
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-241
Text:

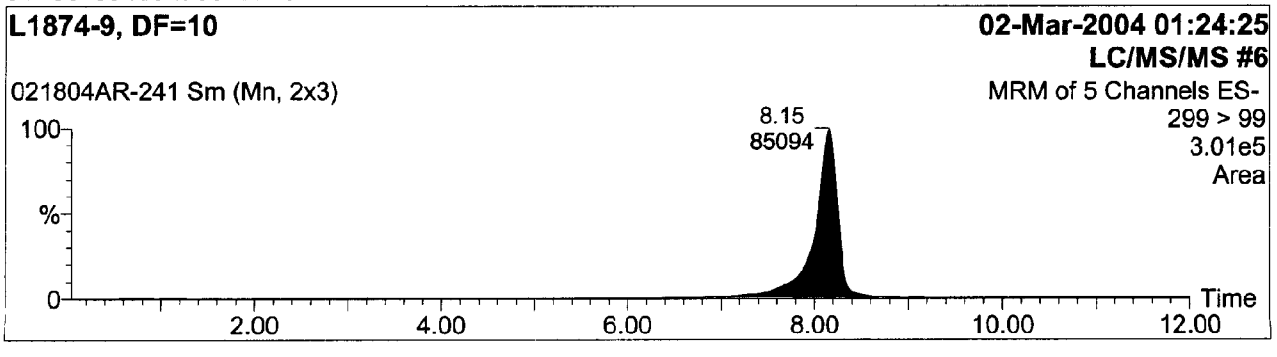
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



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Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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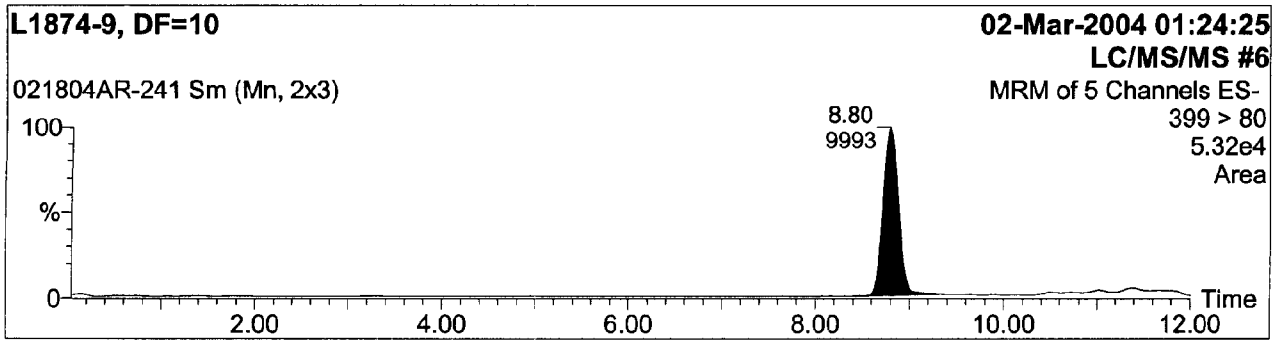
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

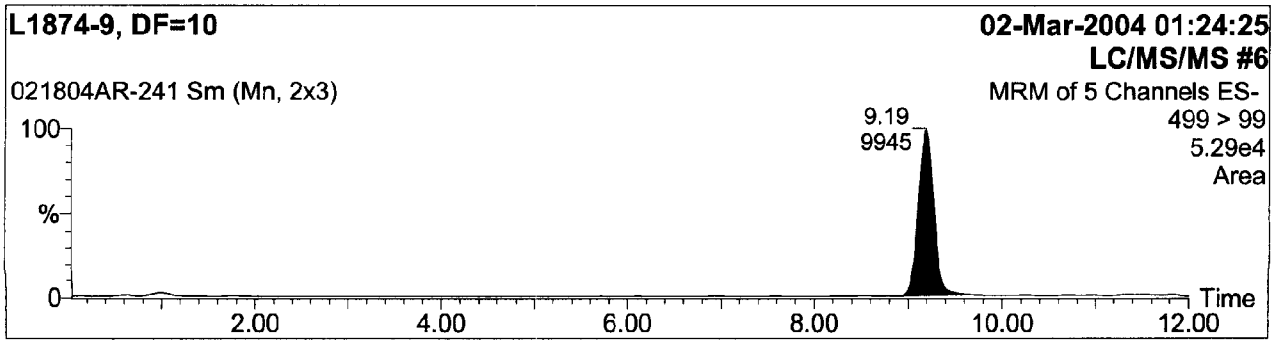
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-241
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



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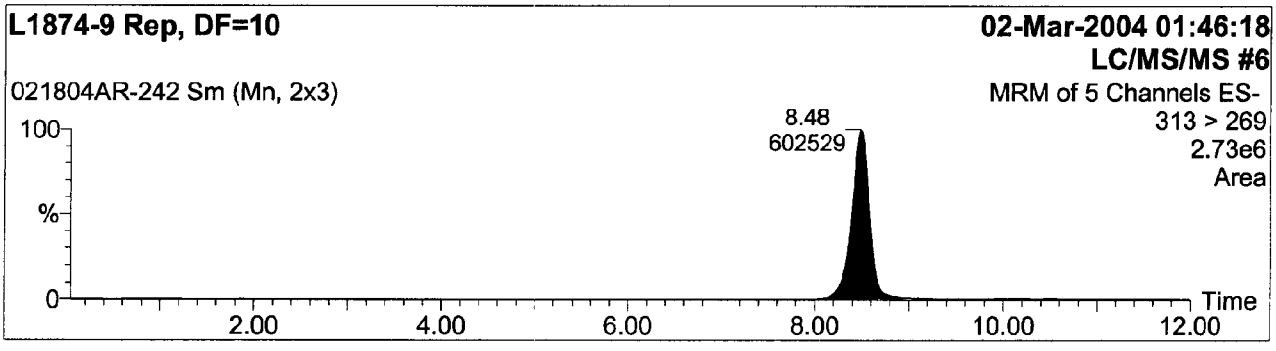
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

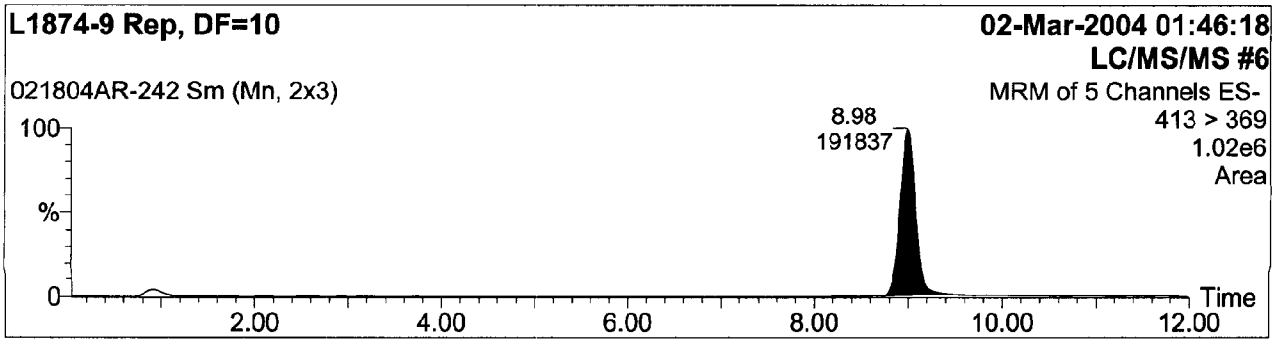
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-242
Text:

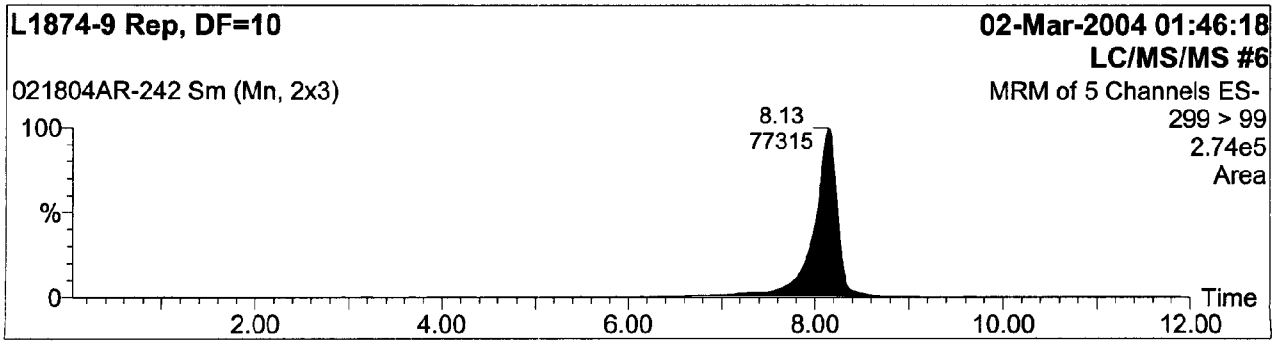
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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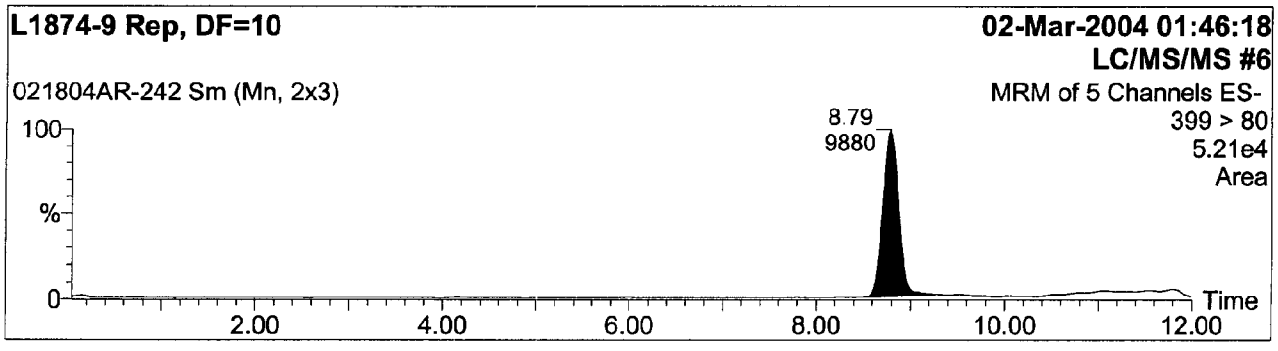
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

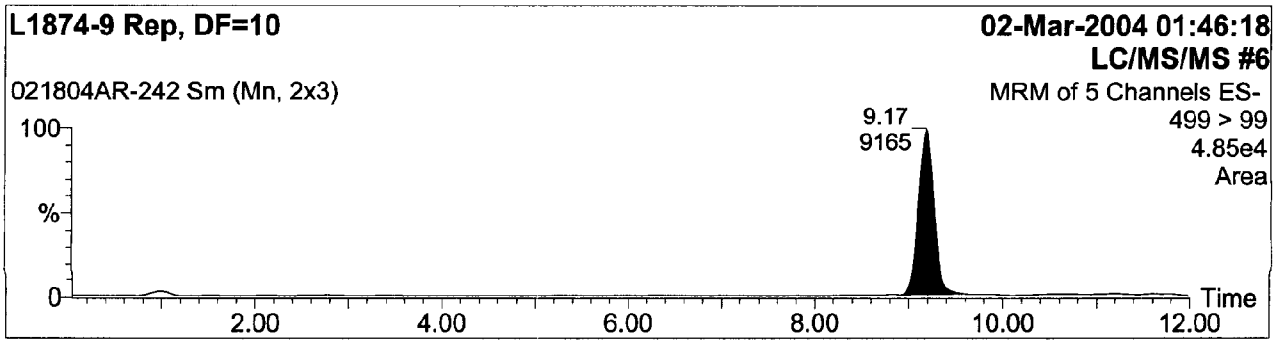
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-242
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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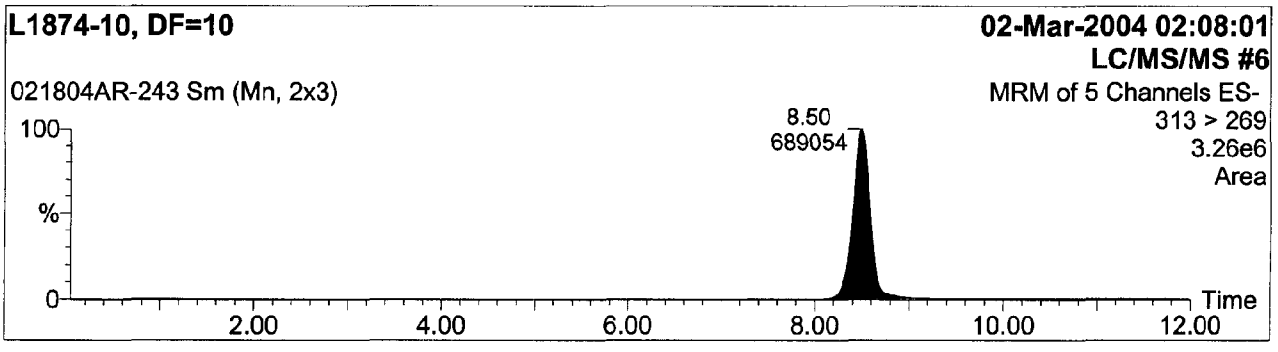
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

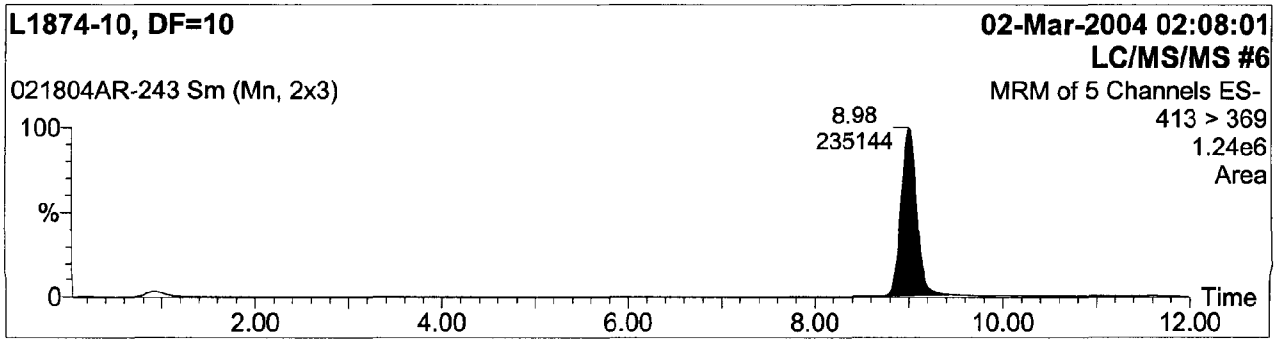
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-243
Text:

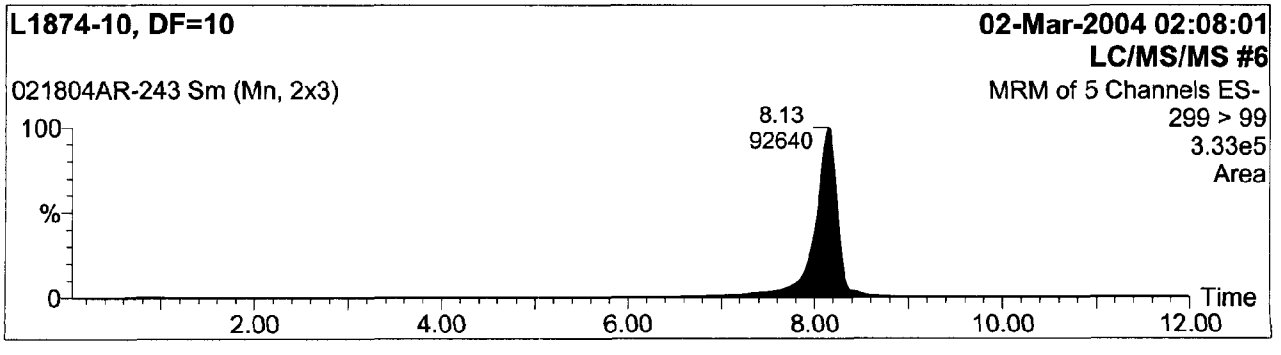
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



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Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

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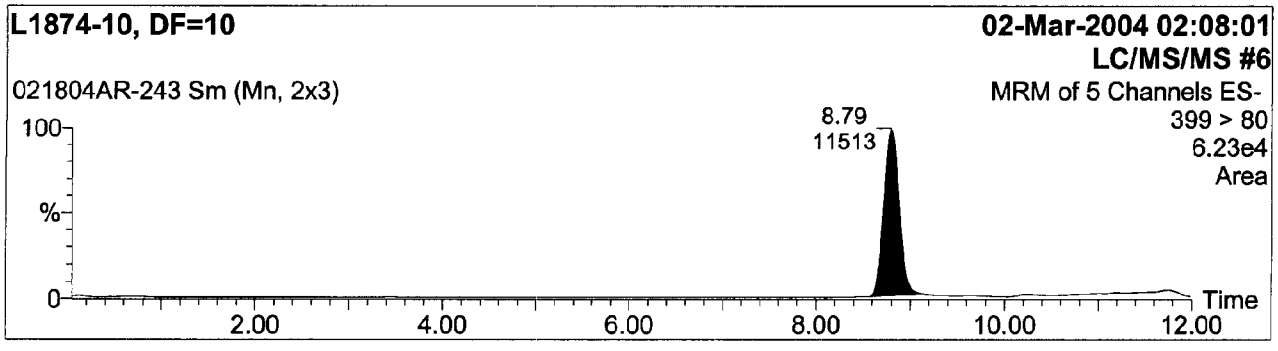
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

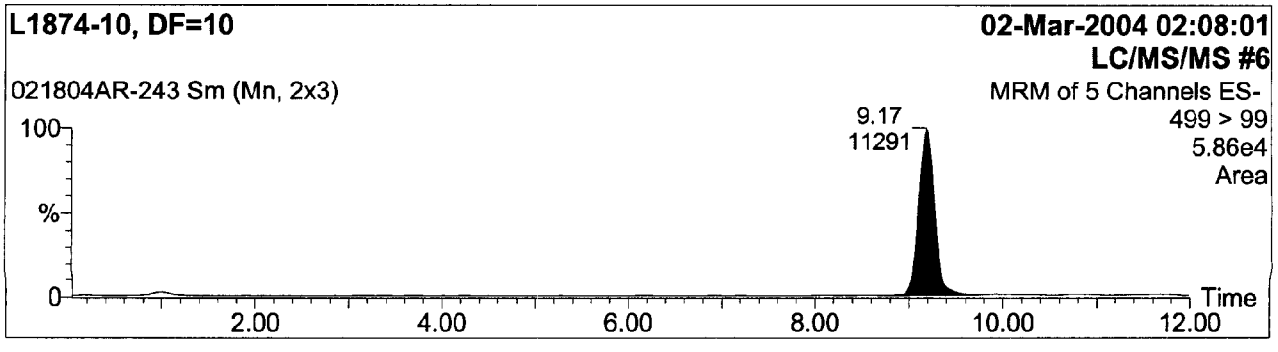
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-243
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



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Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

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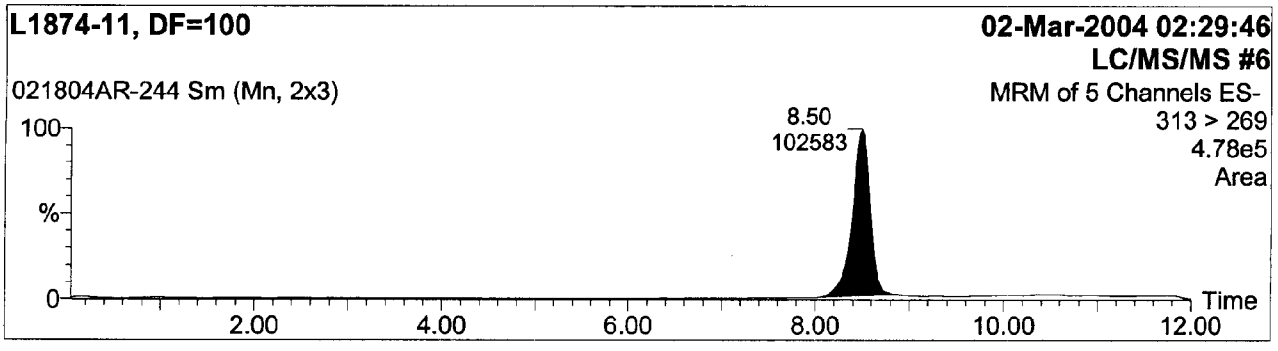
Job Code:

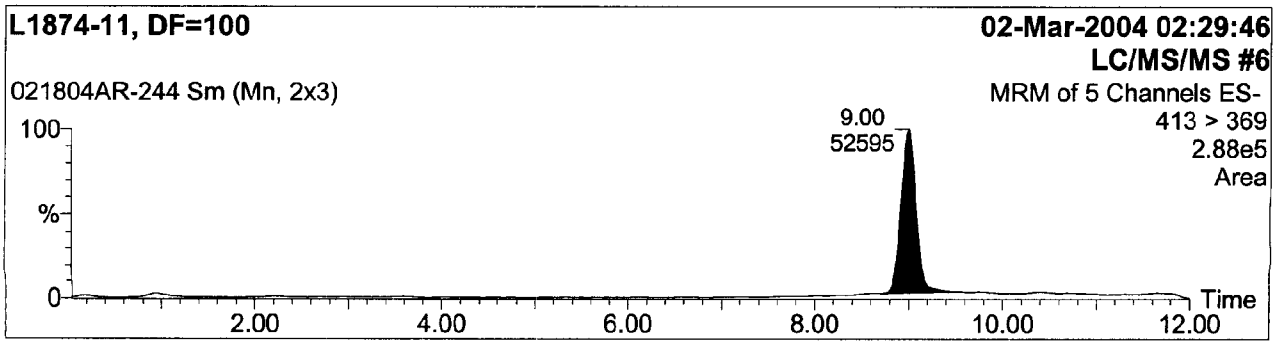
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-244
Text:

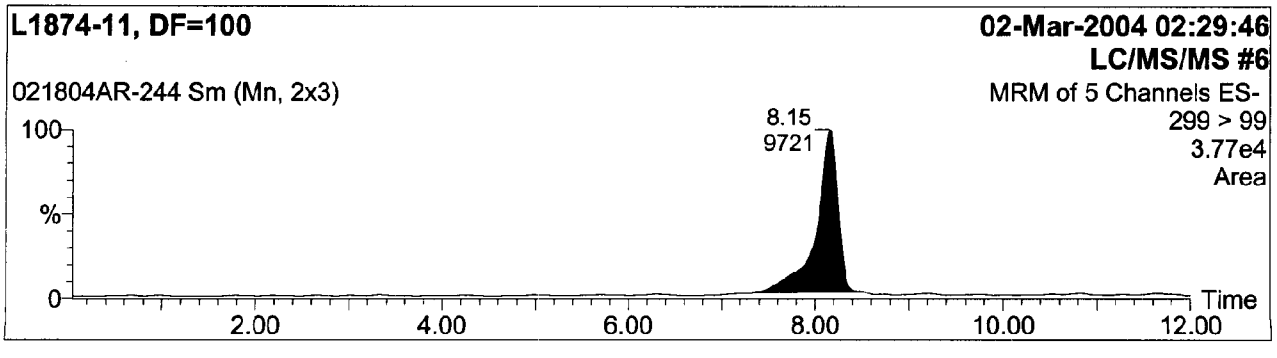
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



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Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

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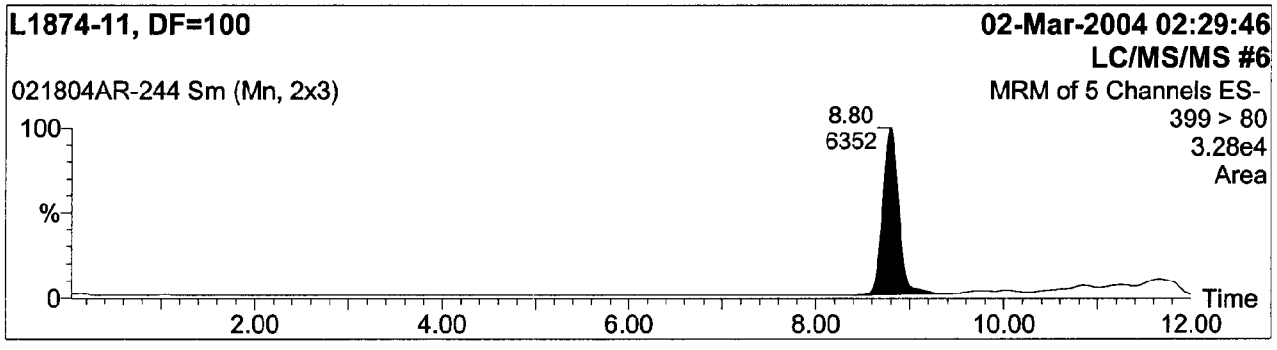
Job Code:

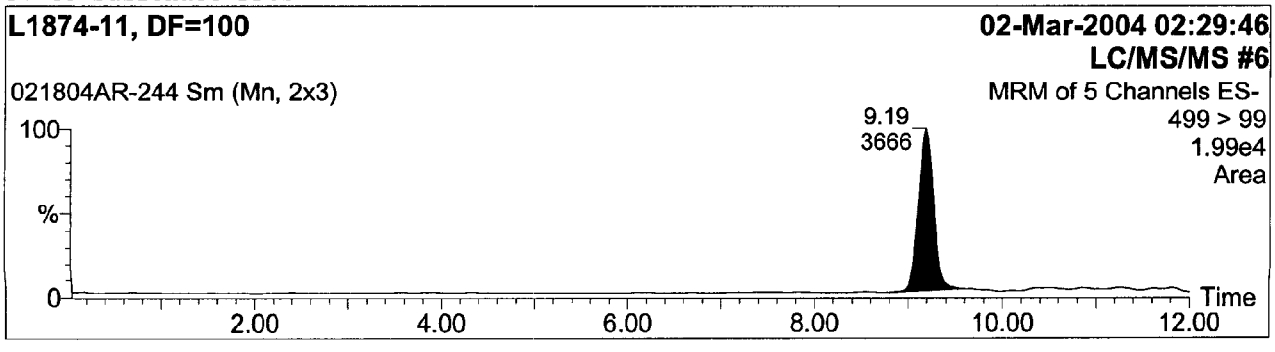
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-244
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



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Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

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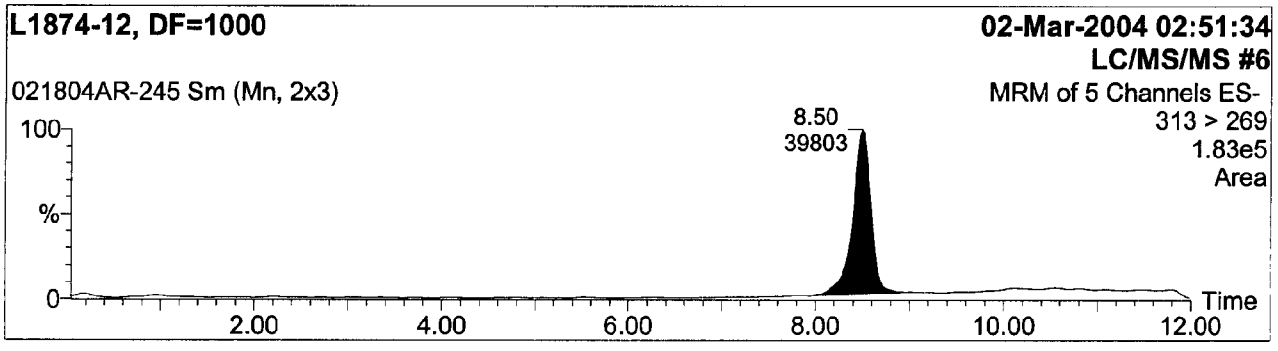
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

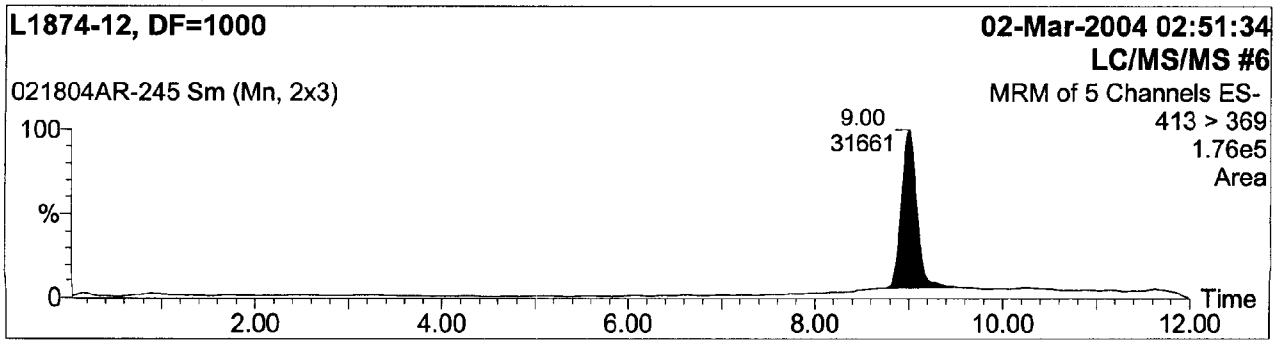
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-245
Text:

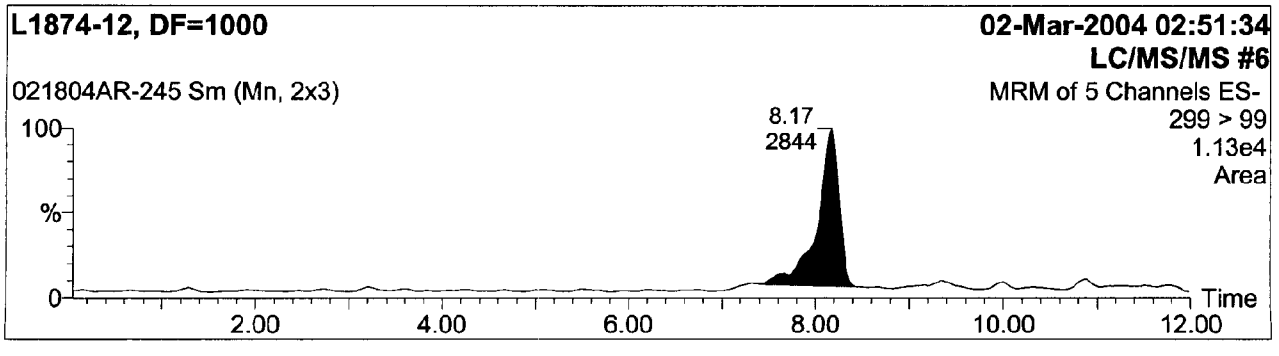
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



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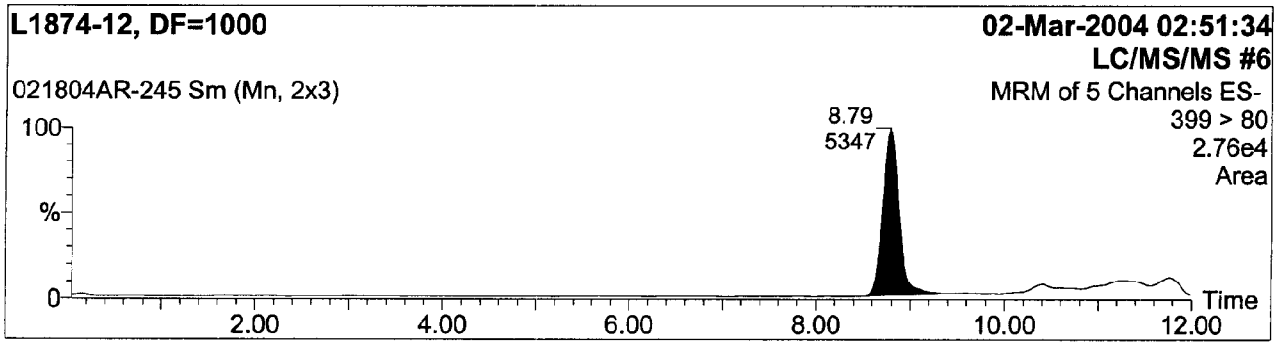
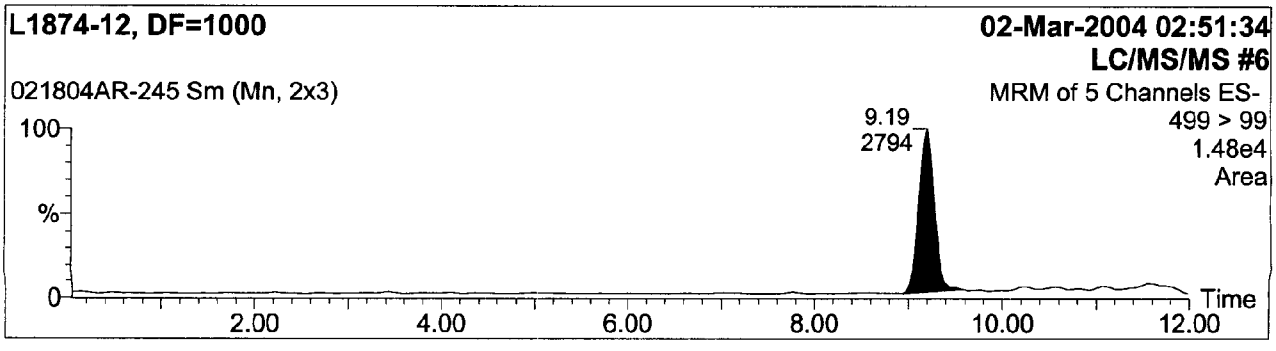
Name: 021804AR-245
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



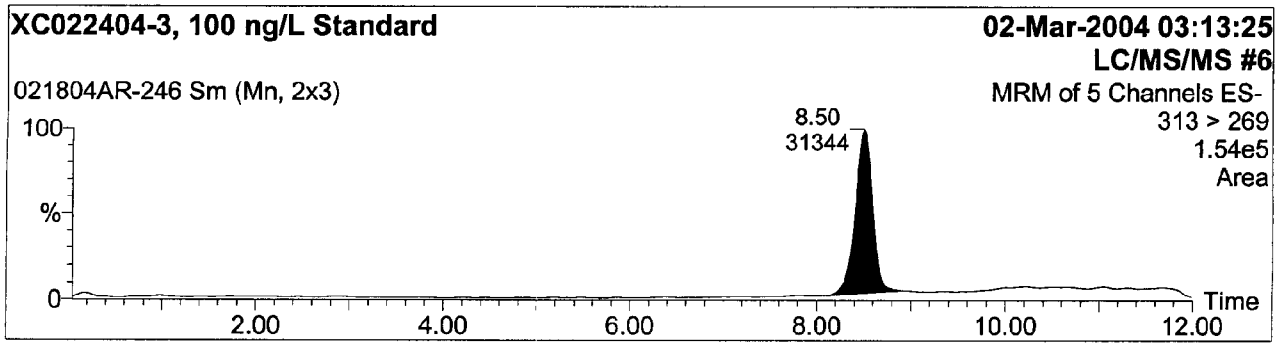
CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

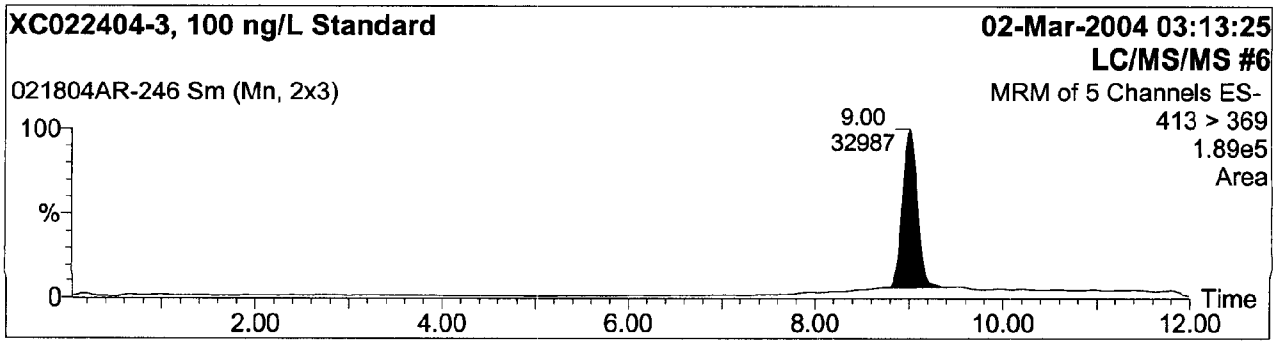
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-246
Text:

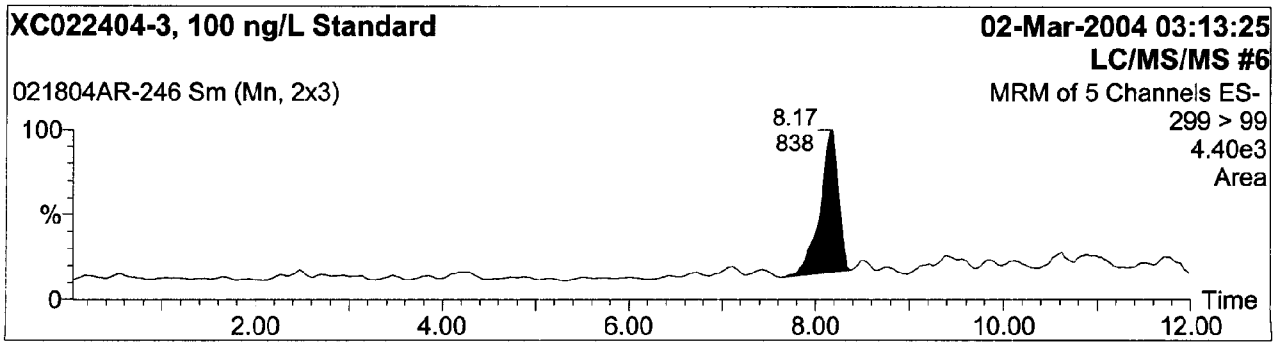
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



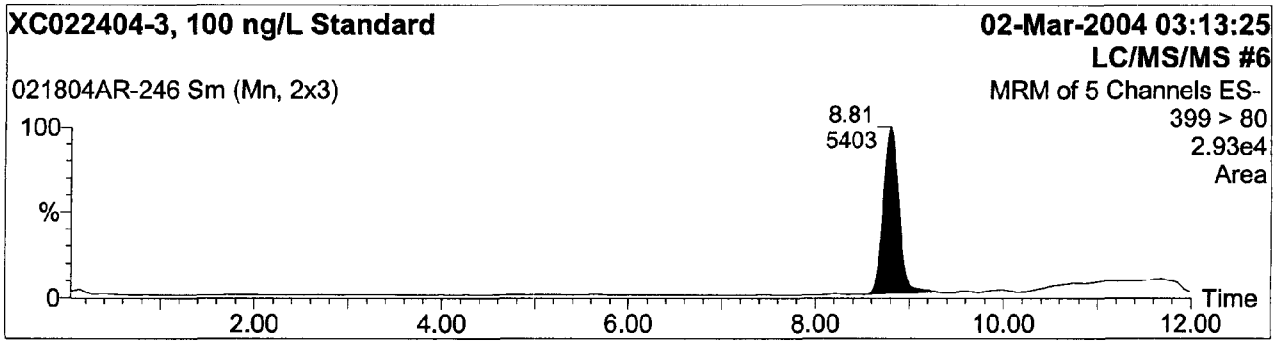
CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

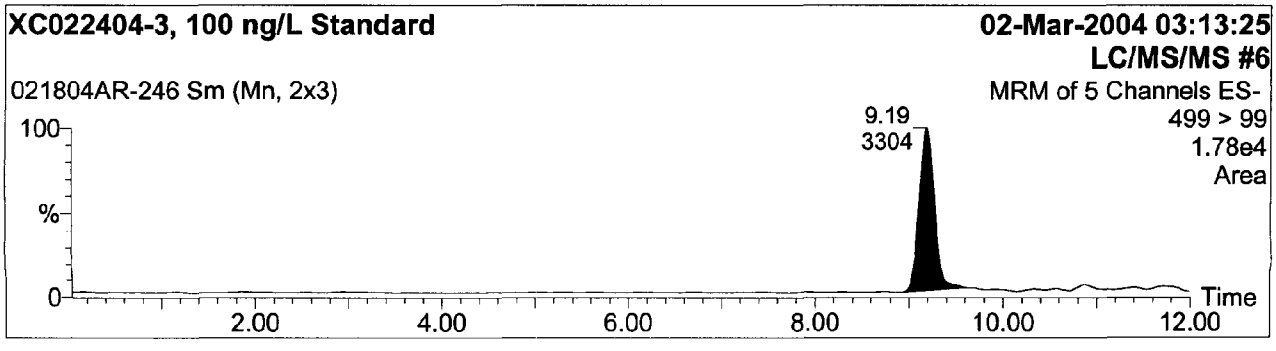
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-246
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

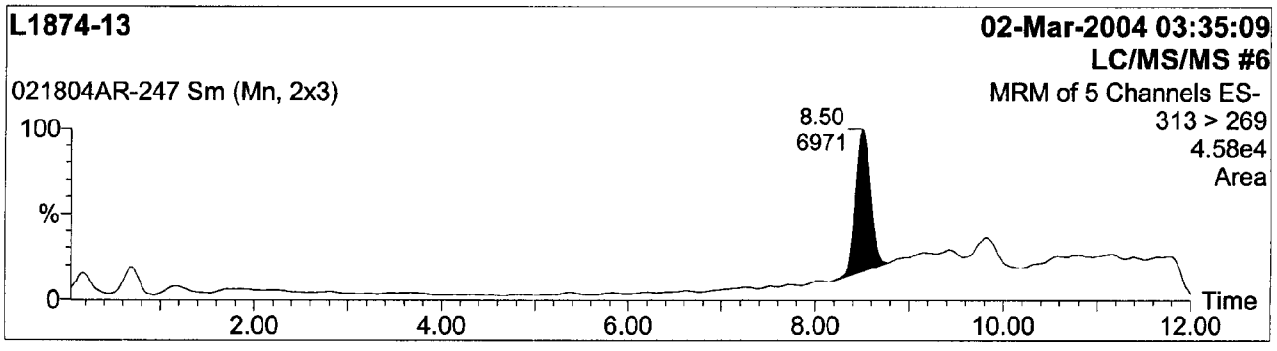
Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

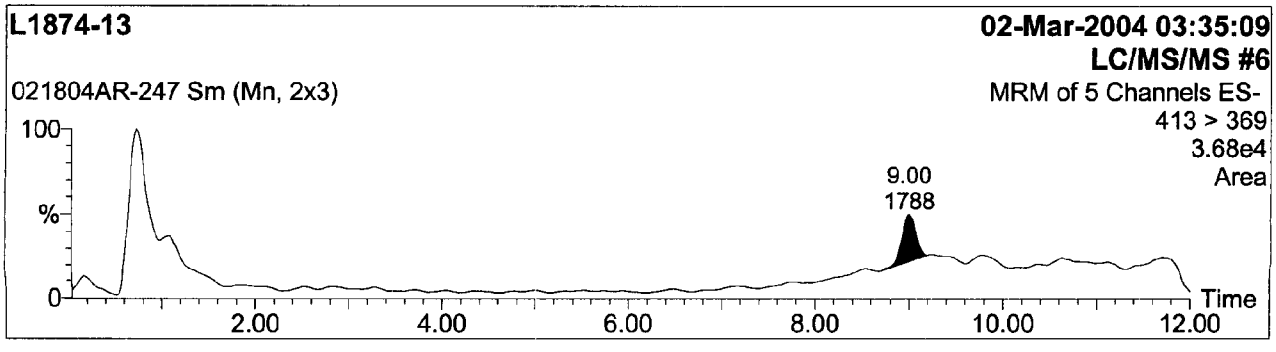
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-247
Text:

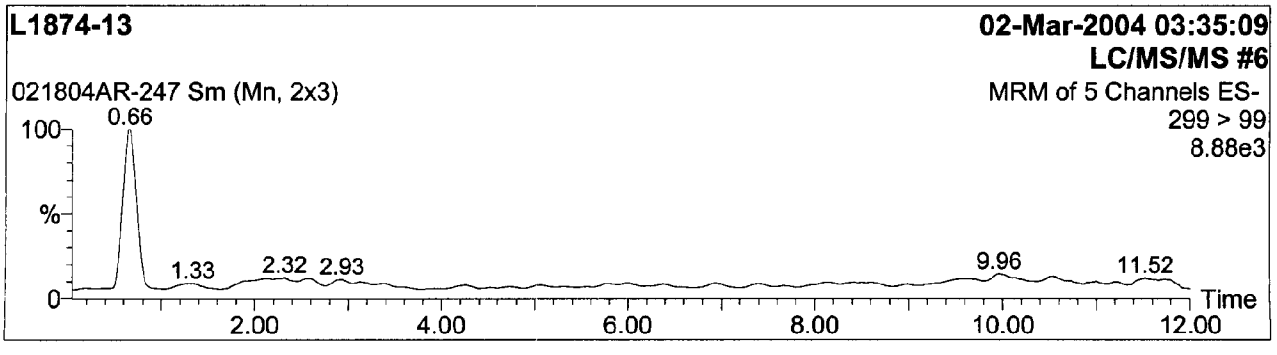
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



Exygen Research, 3058 Research Drive, State College, PA 16801

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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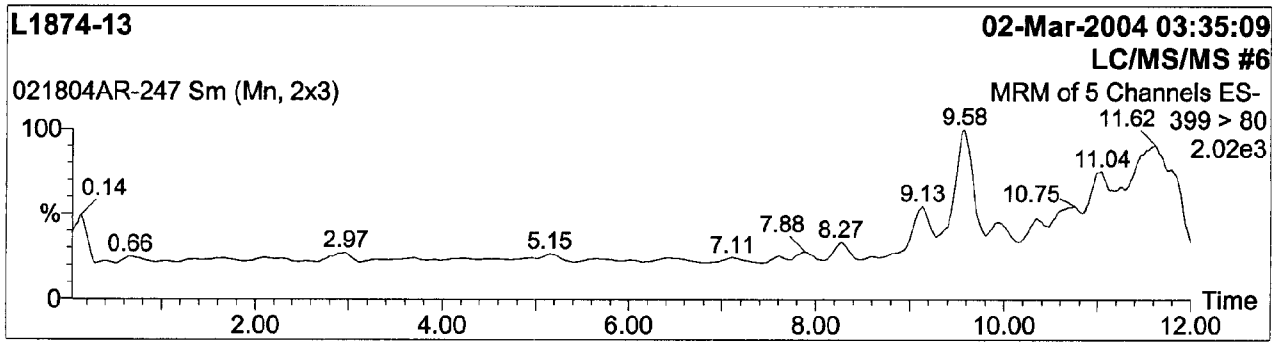
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

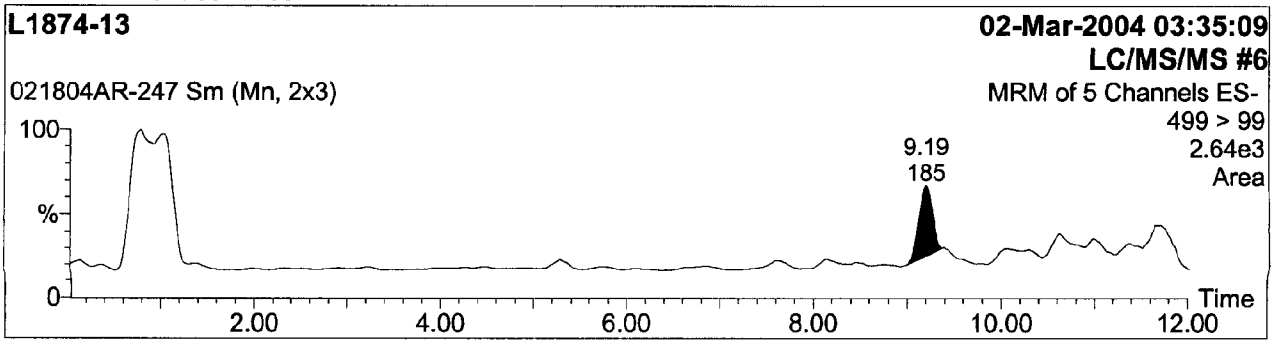
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-247
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

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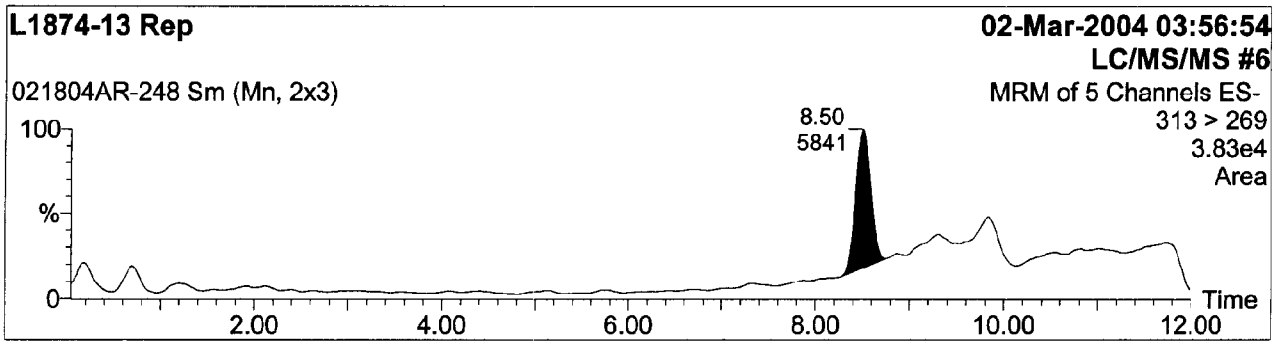
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

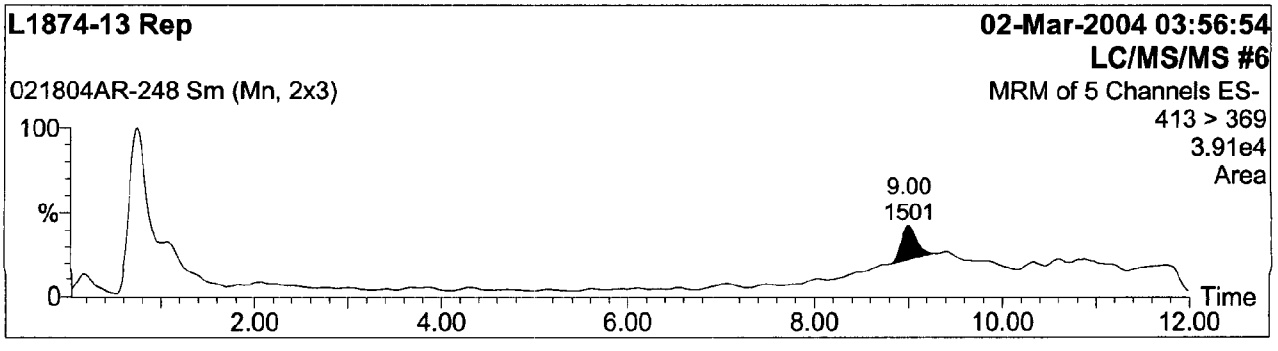
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-248
Text:

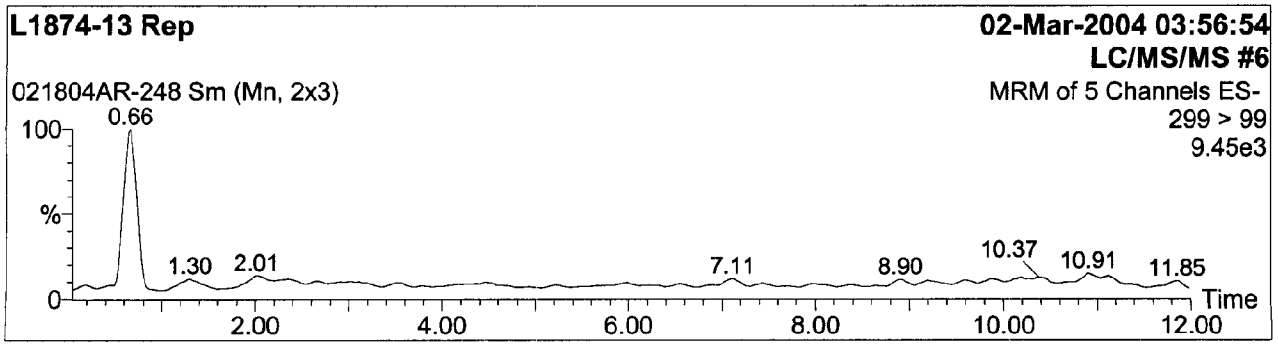
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



Exygen Research, 3058 Research Drive, State College, PA 16801

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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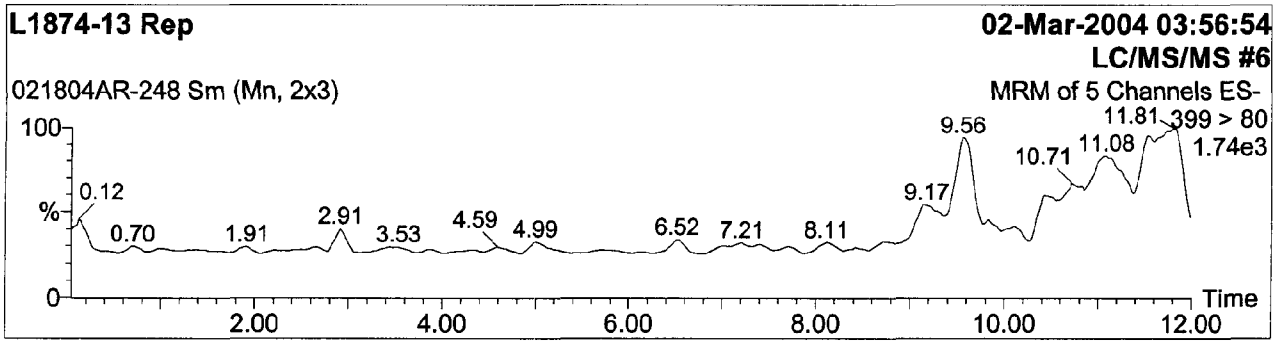
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

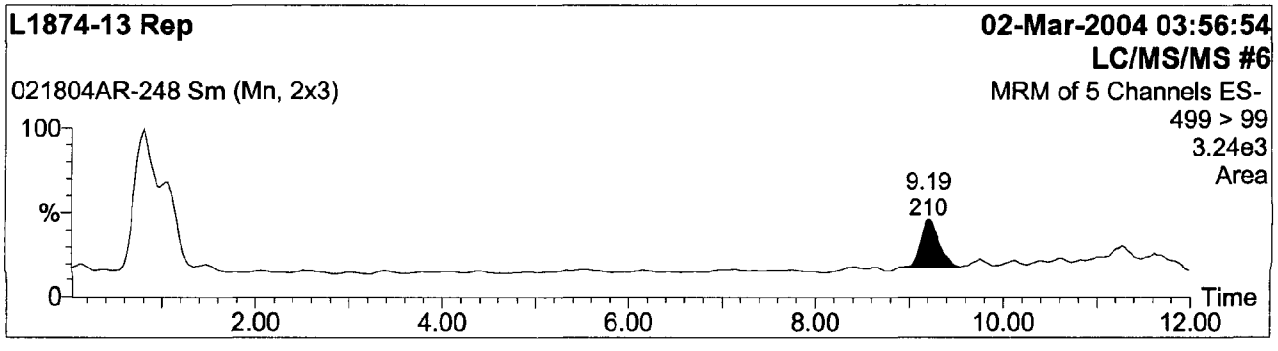
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-248
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

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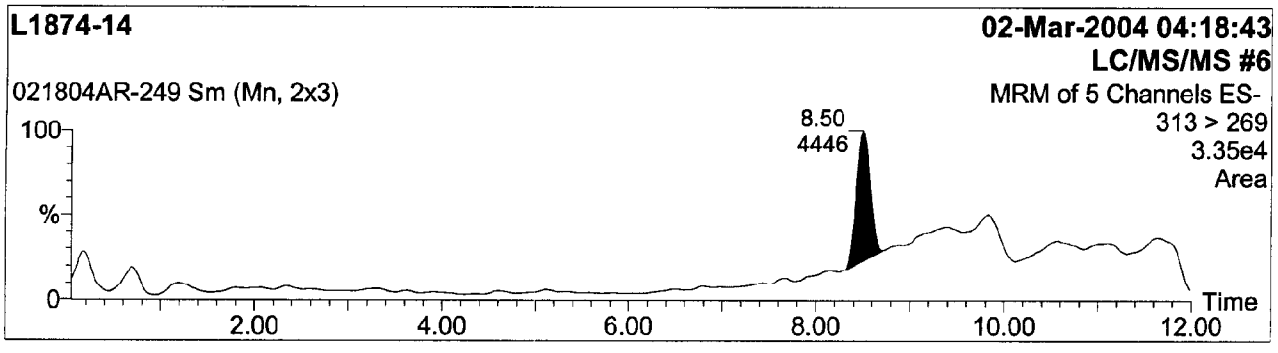
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

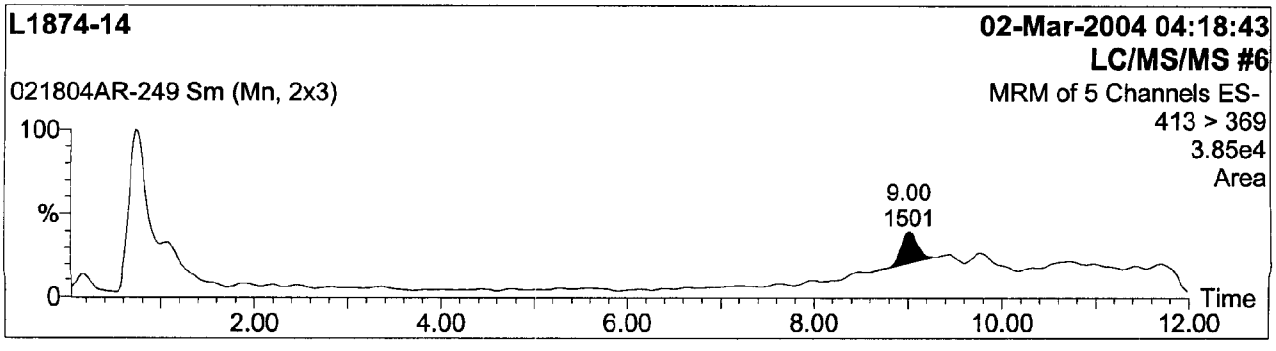
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-249
Text:

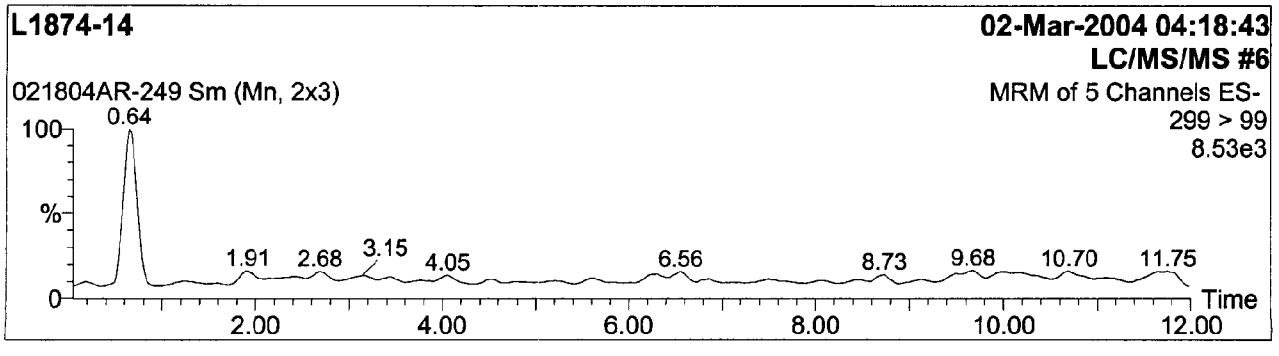
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



Exygen Research, 3058 Research Drive, State College, PA 16801

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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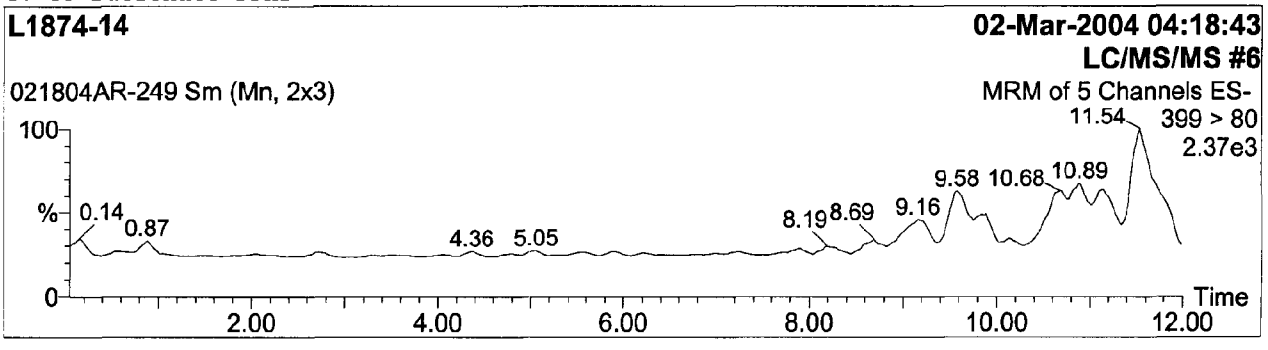
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

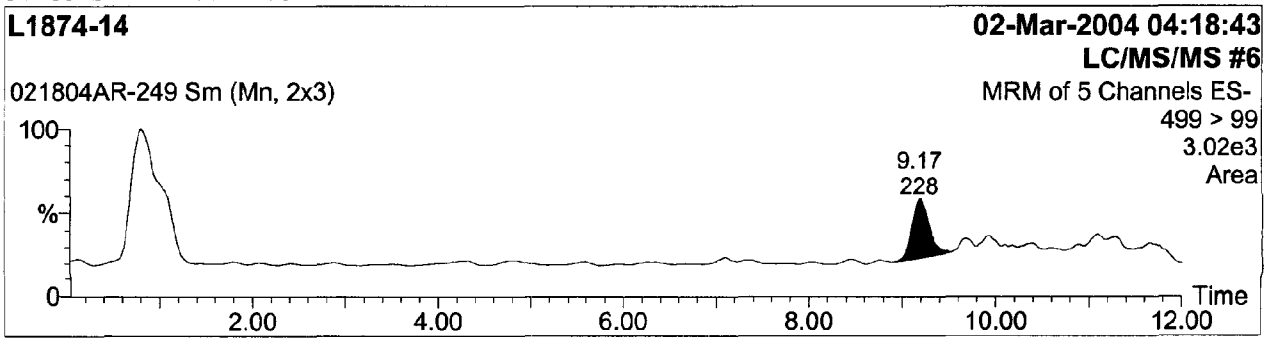
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-249
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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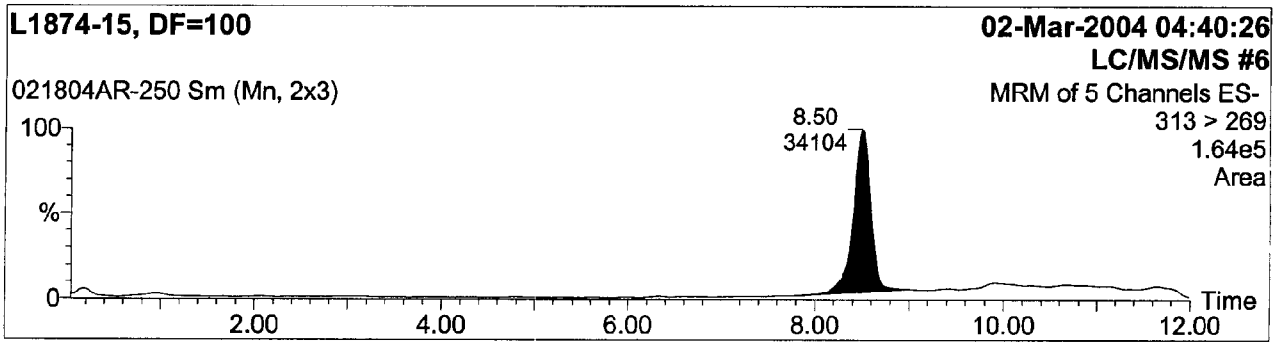
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

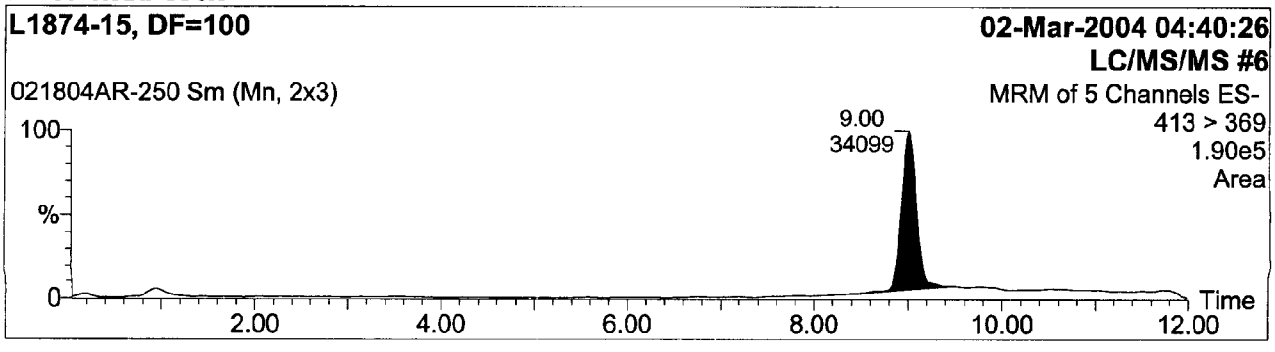
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-250
Text:

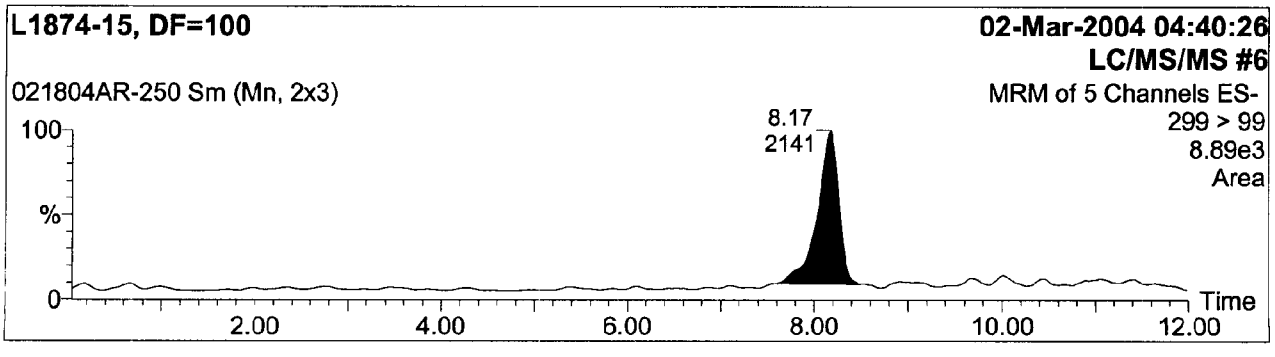
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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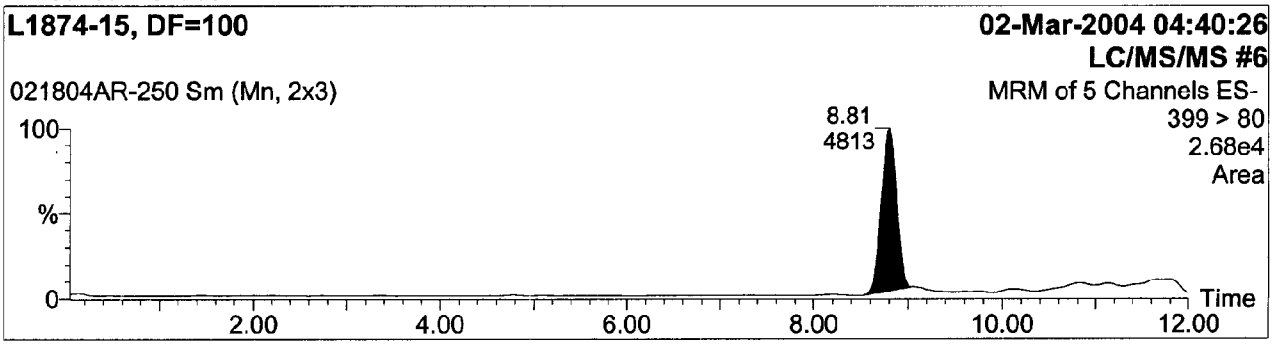
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

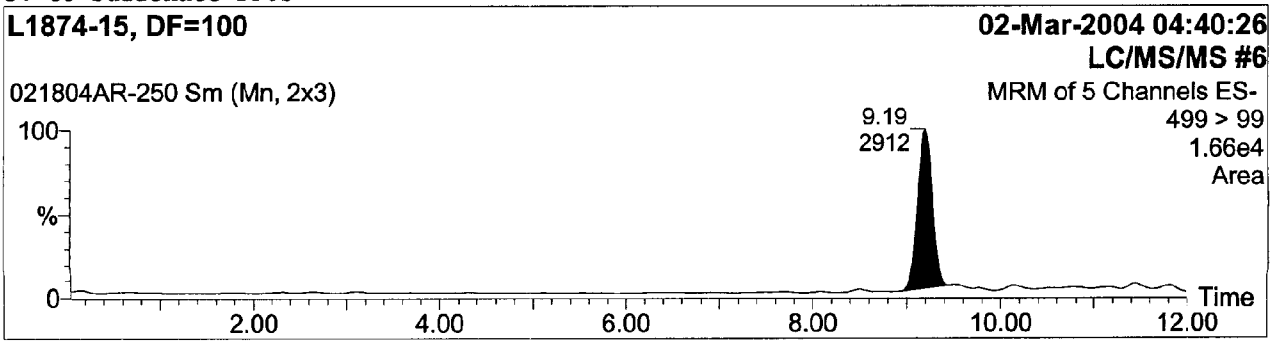
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-250
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
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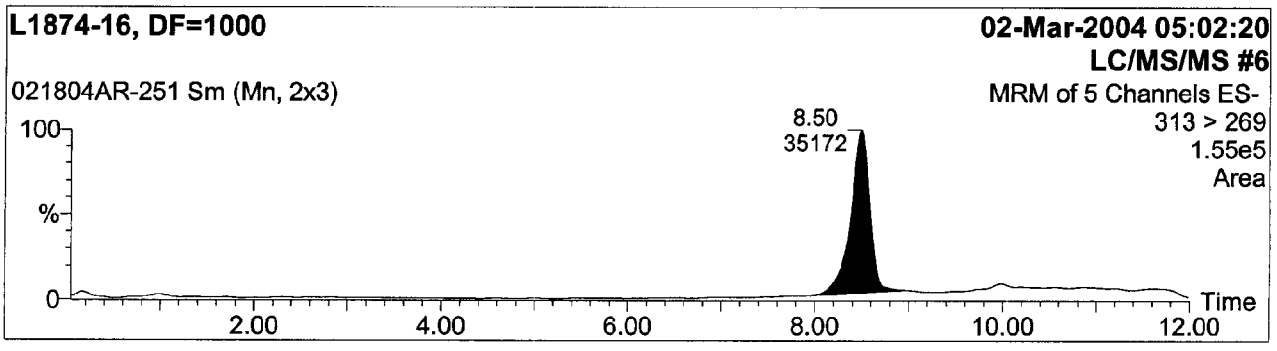
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

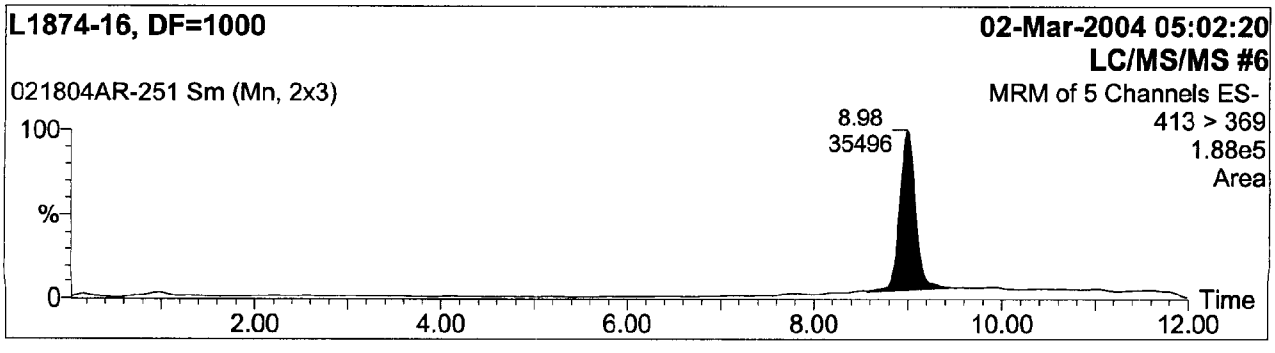
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-251
Text:

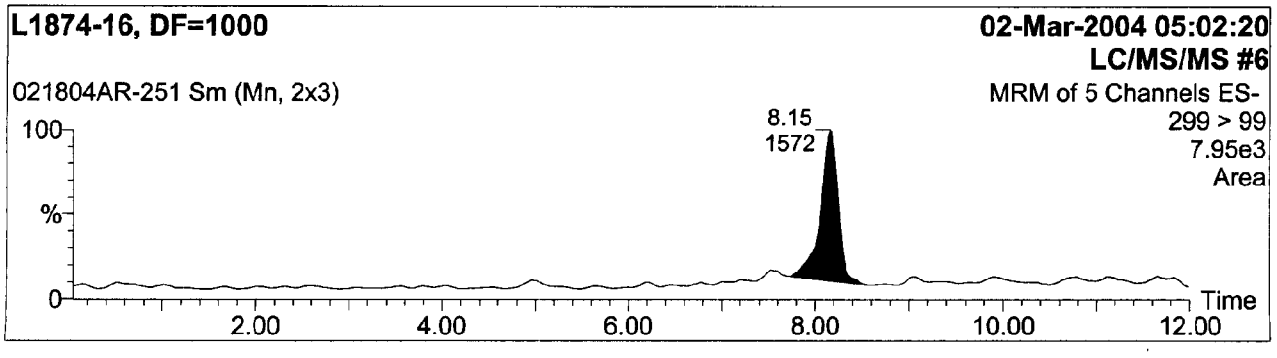
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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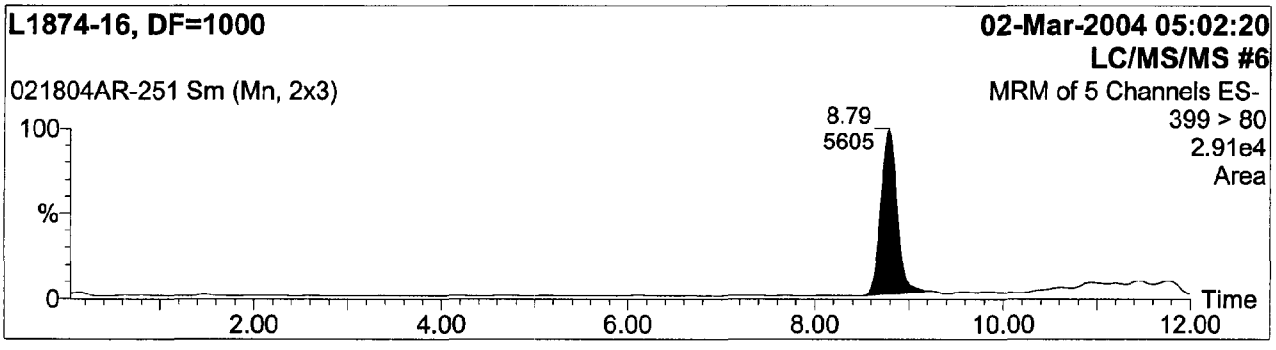
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

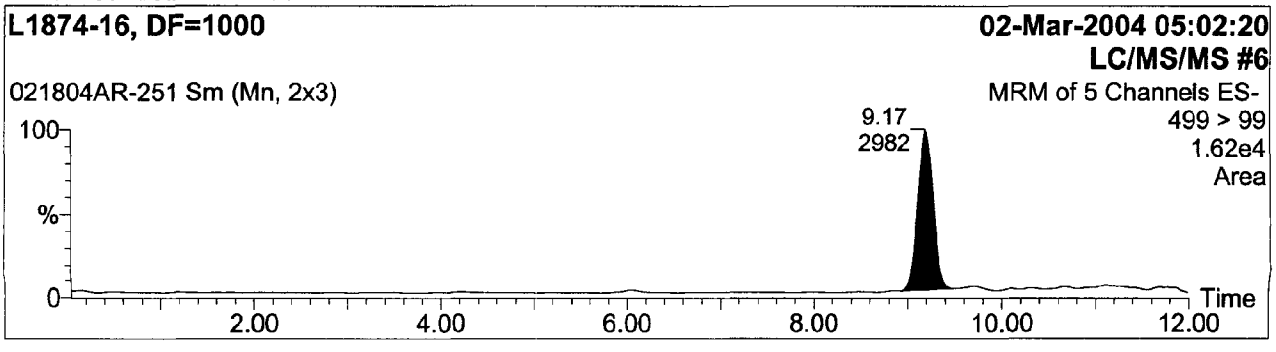
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-251
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



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Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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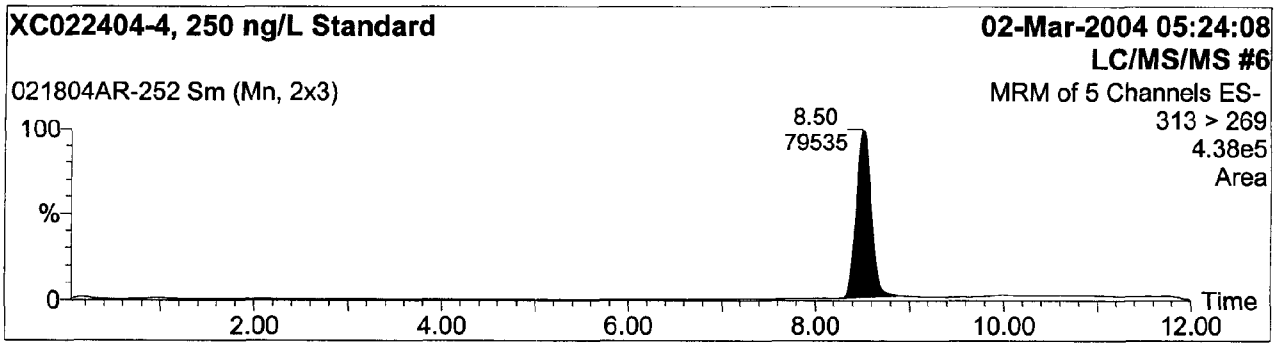
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

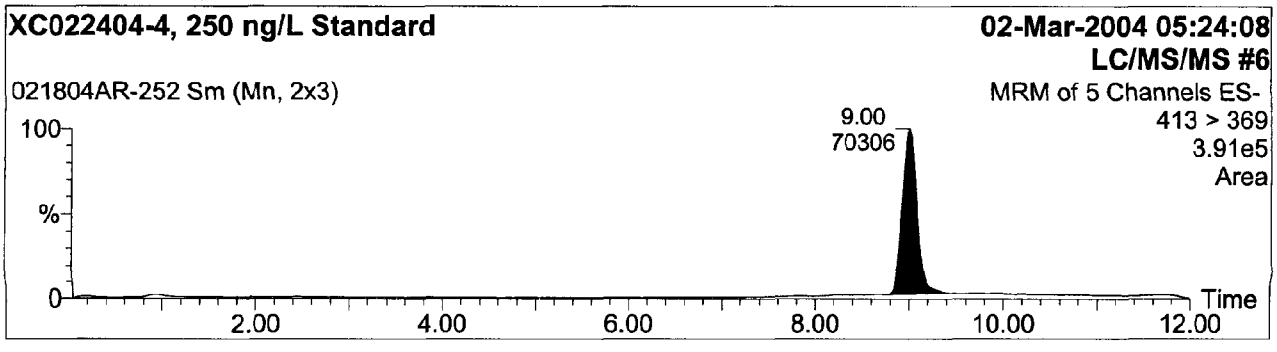
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-252
Text:

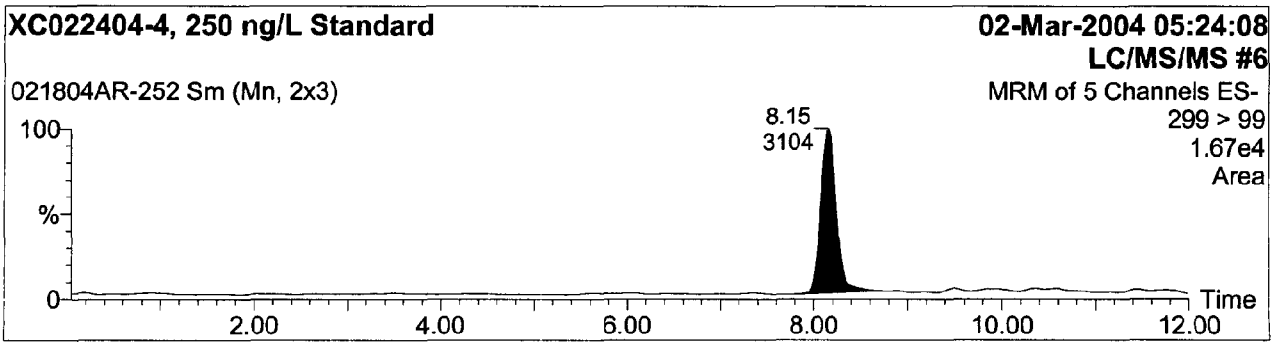
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



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Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

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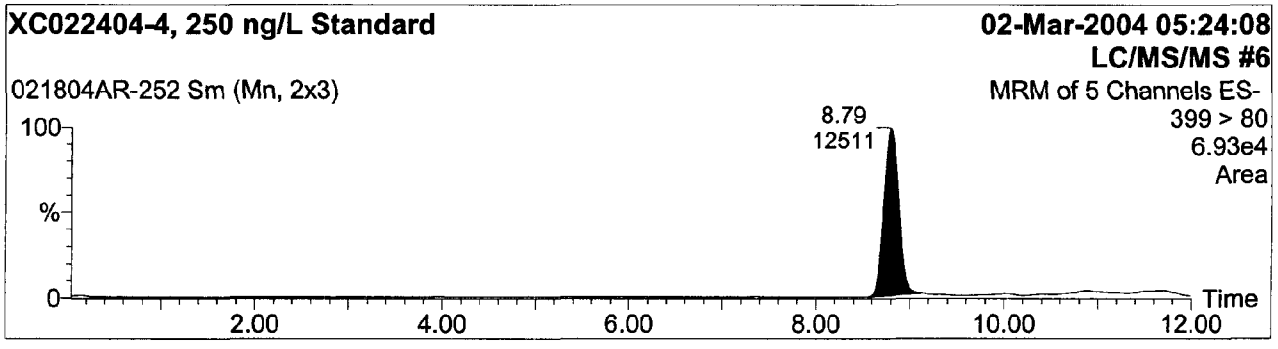
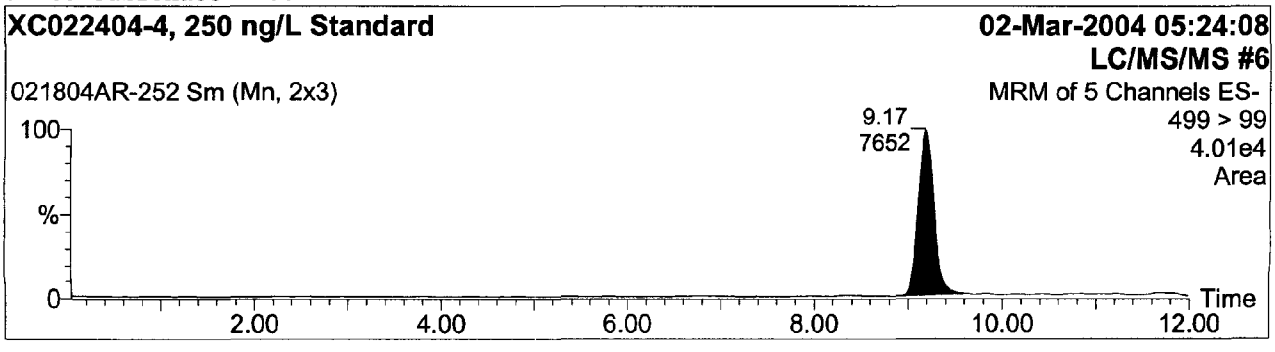
Name: 021804AR-252
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

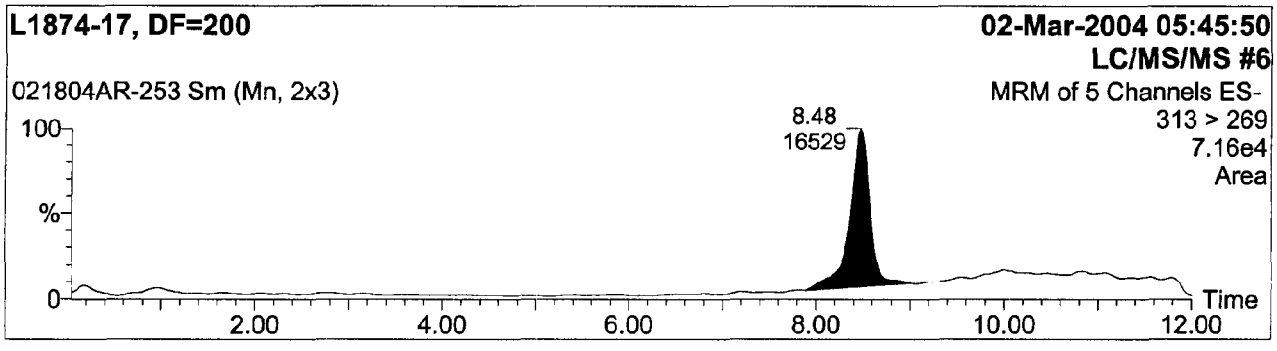
Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

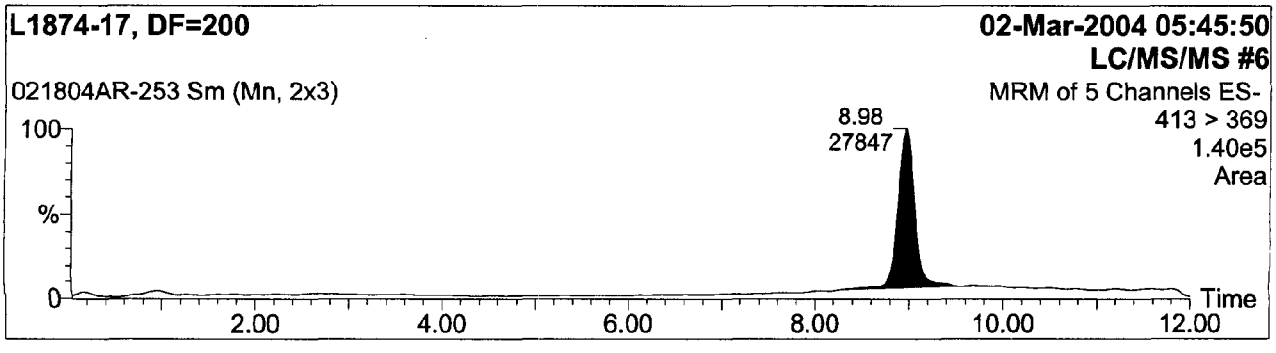
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-253
Text:

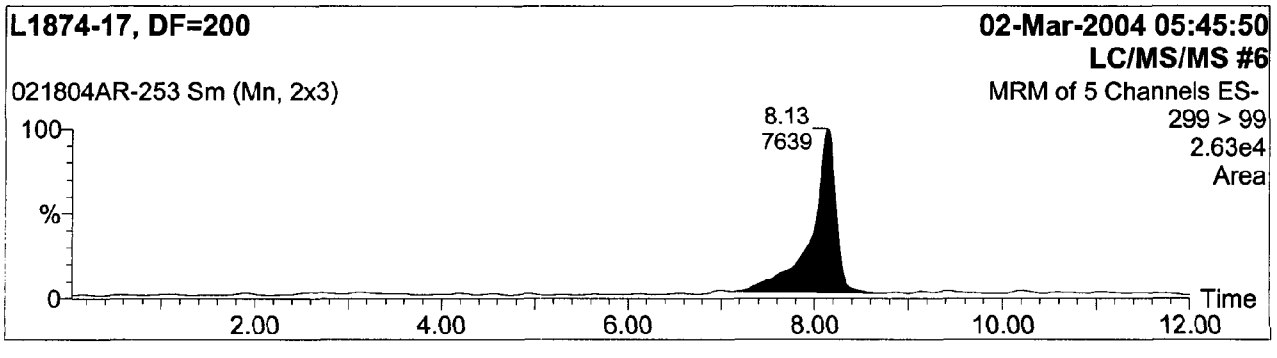
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



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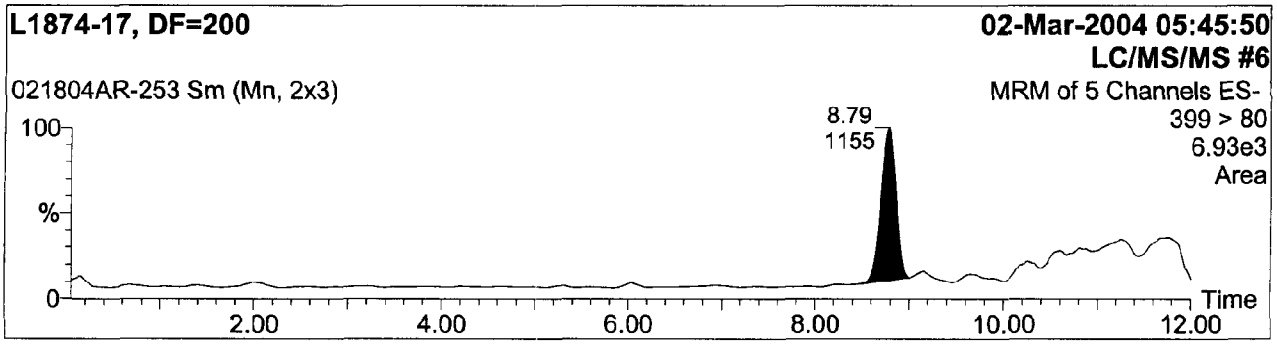
Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

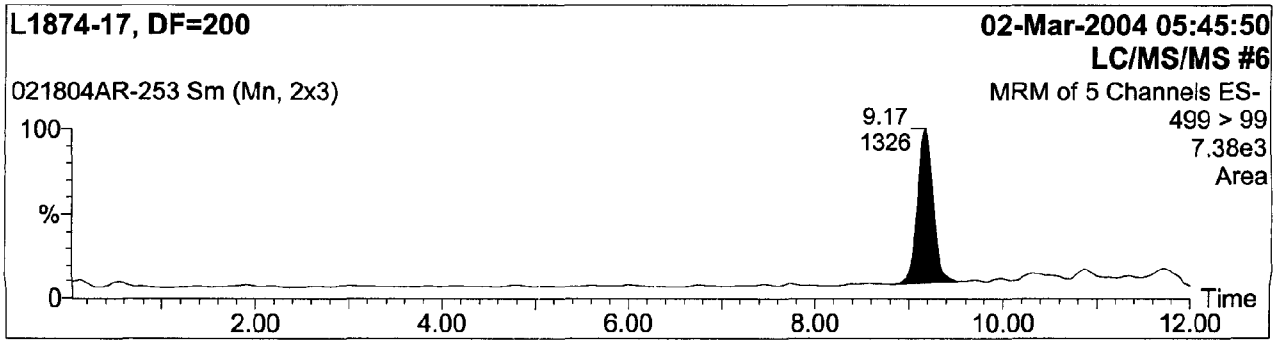
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-253
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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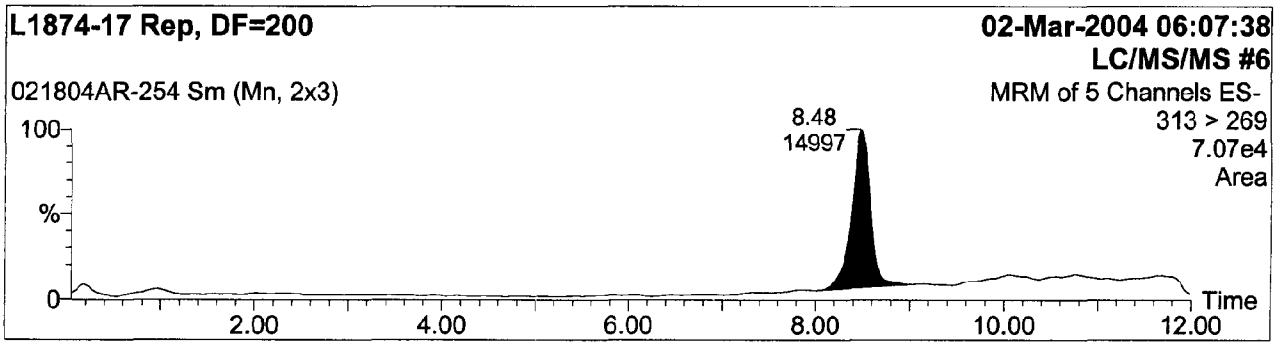
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

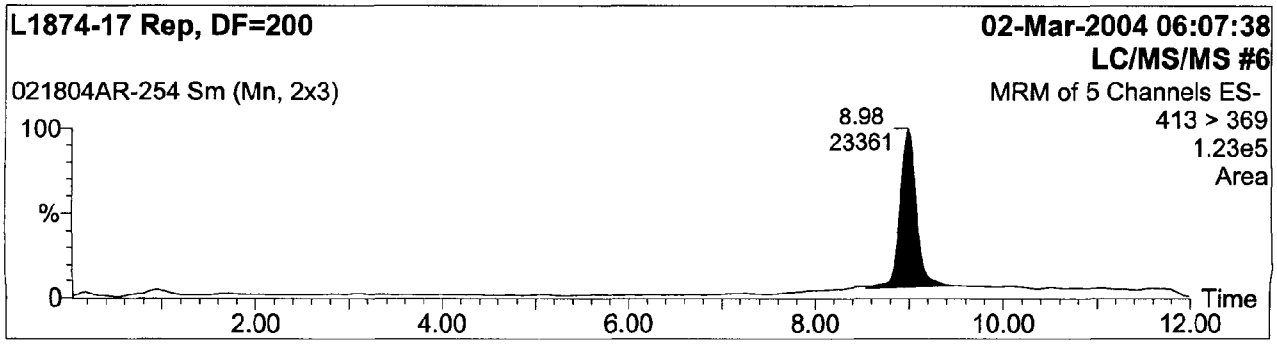
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-254
Text:

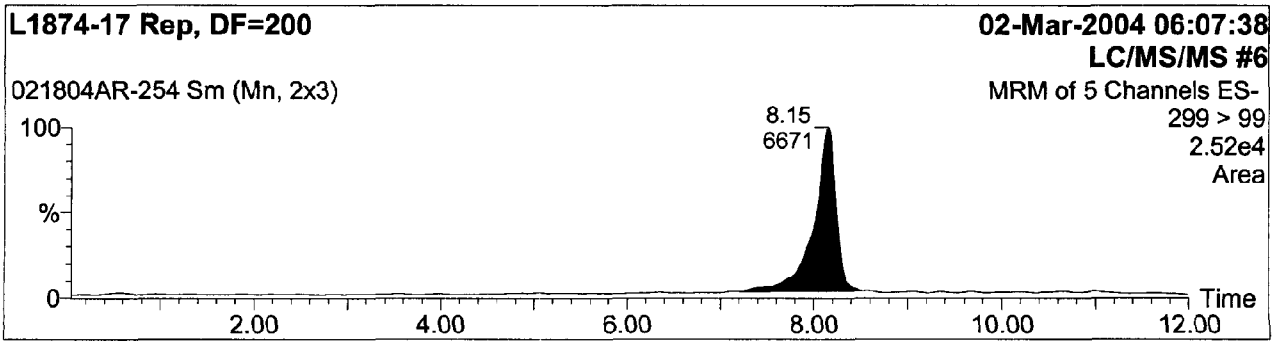
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



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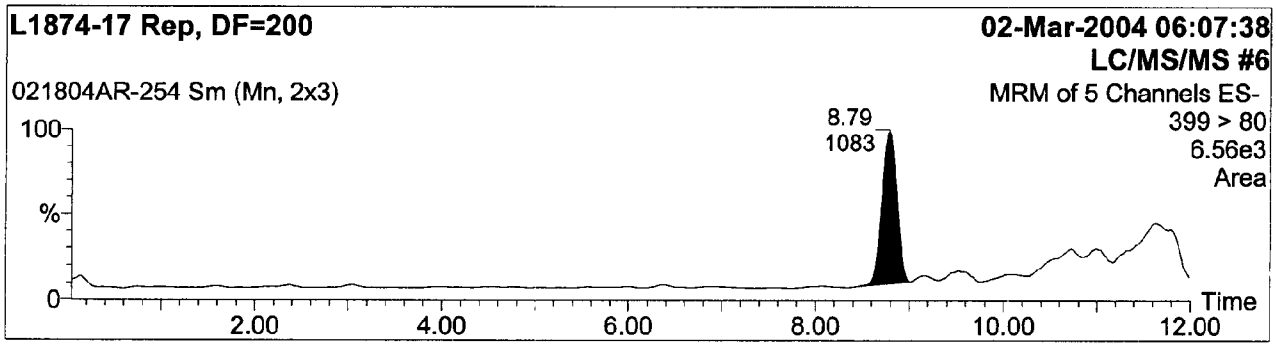
Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

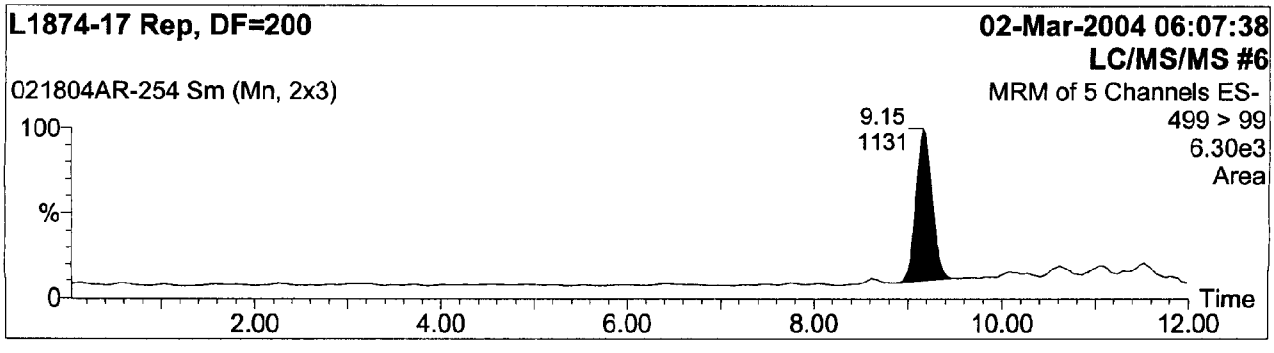
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-254
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



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Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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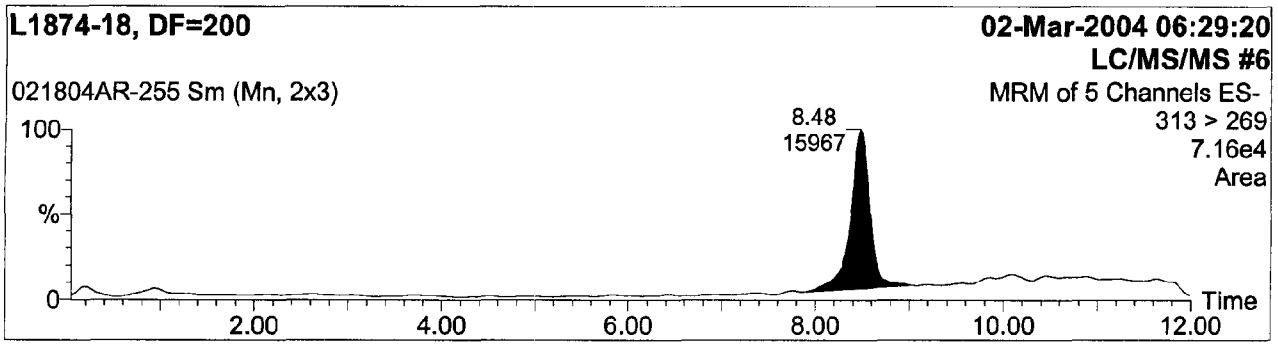
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

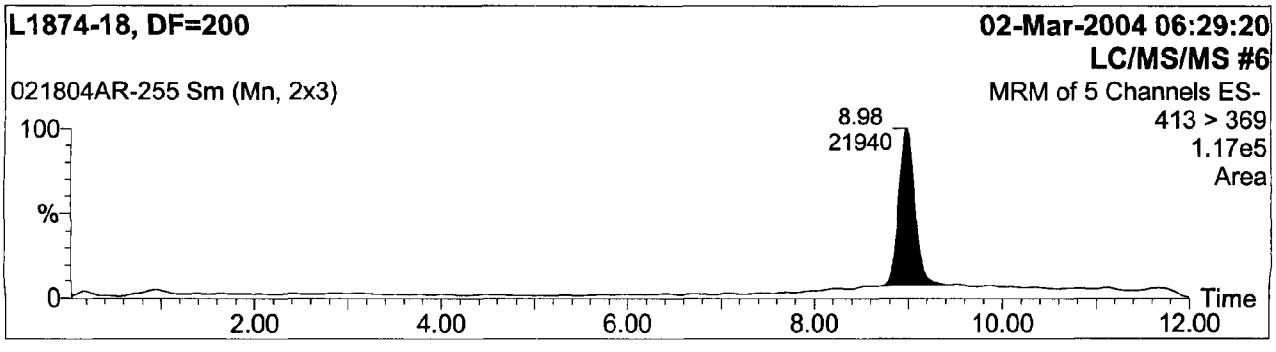
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-255
Text:

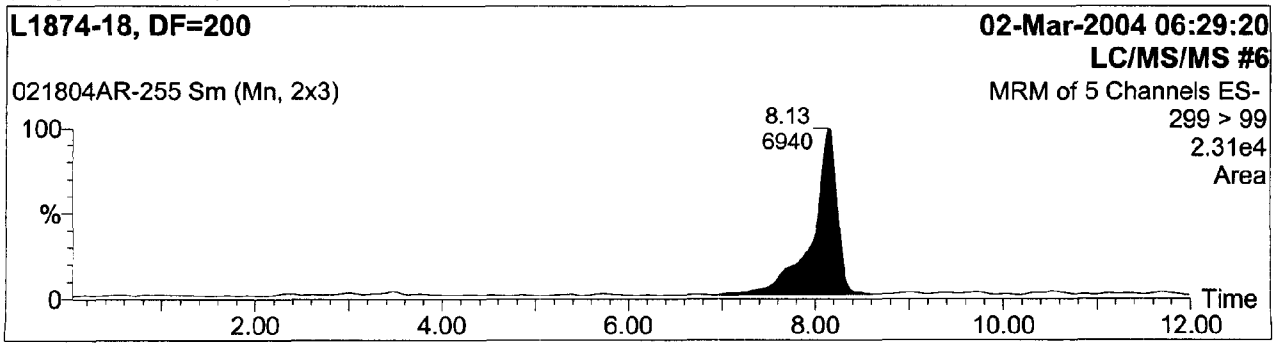
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



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Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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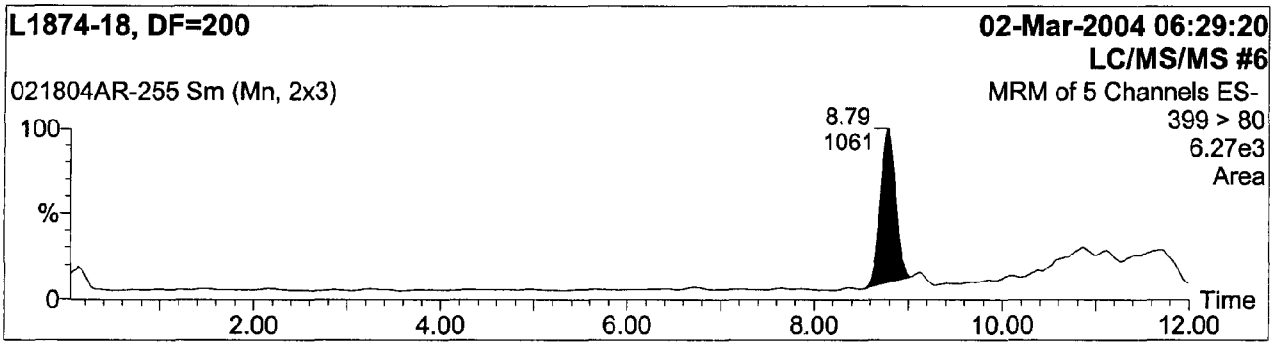
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

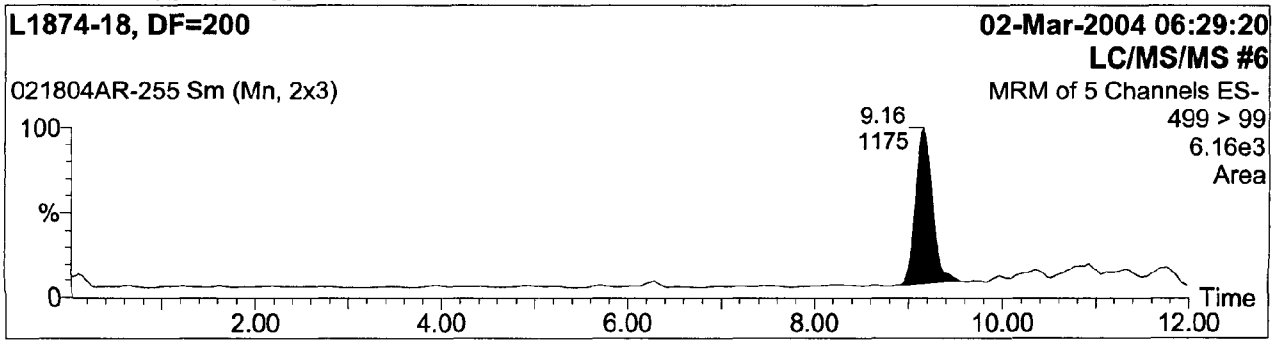
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-255
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



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Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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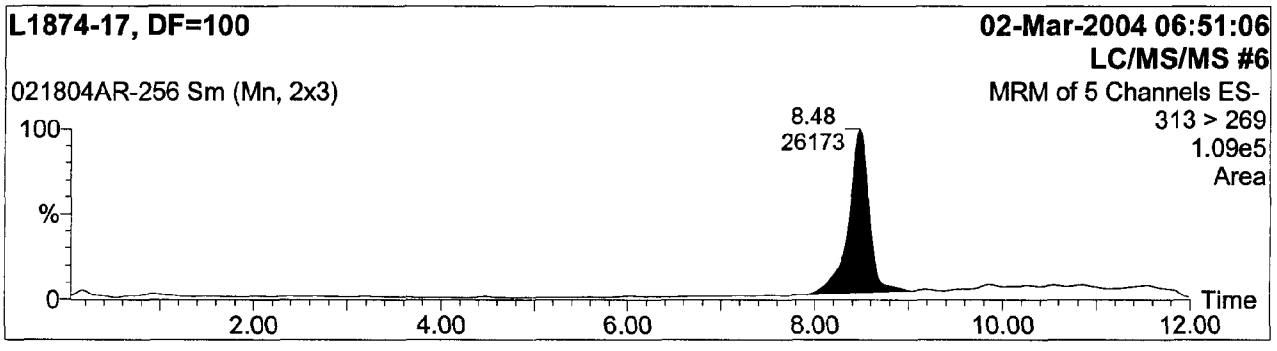
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

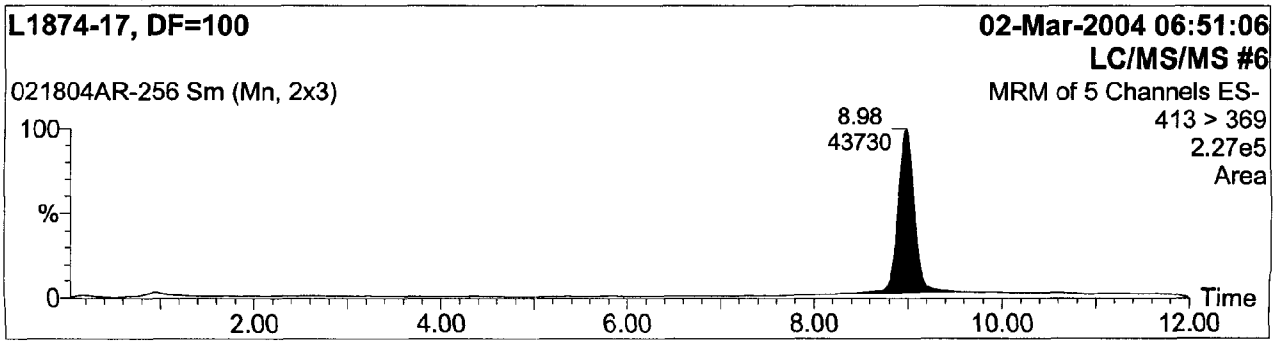
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-256
Text:

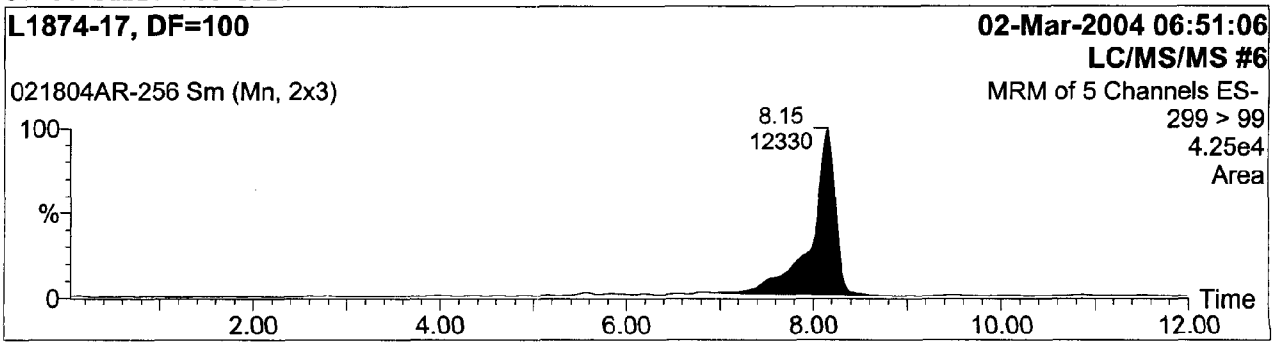
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

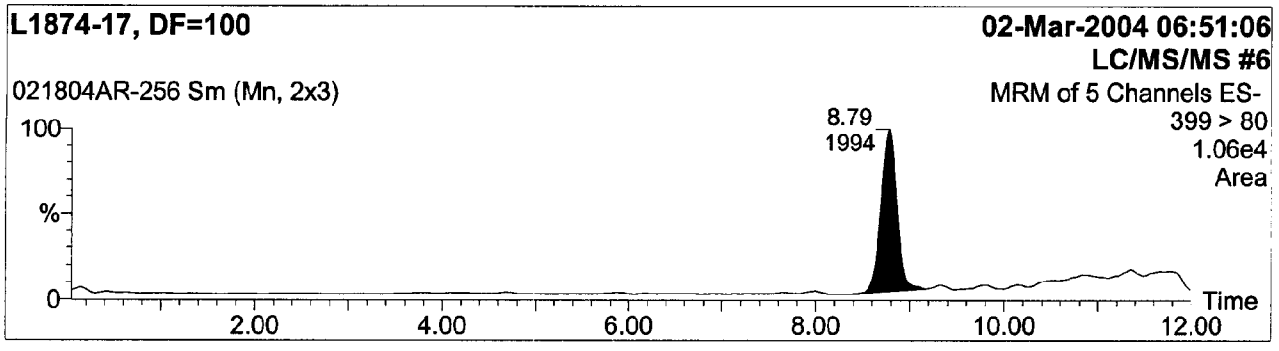
Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

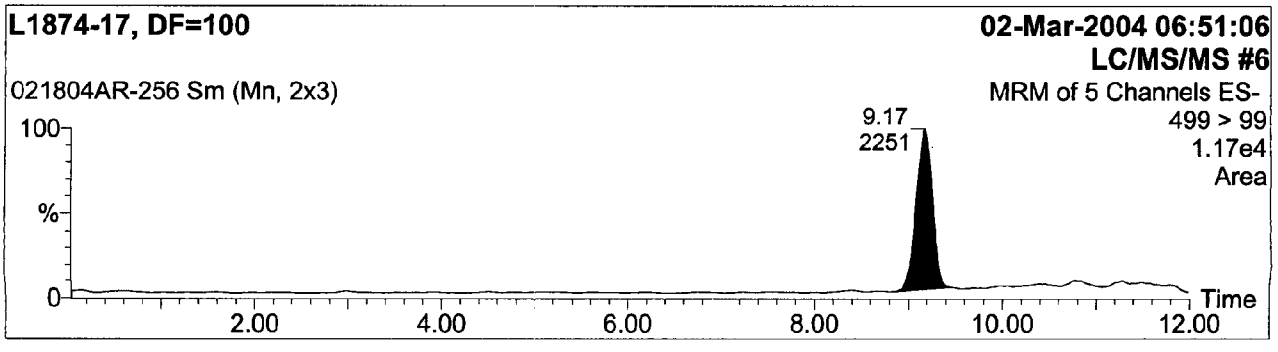
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-256
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

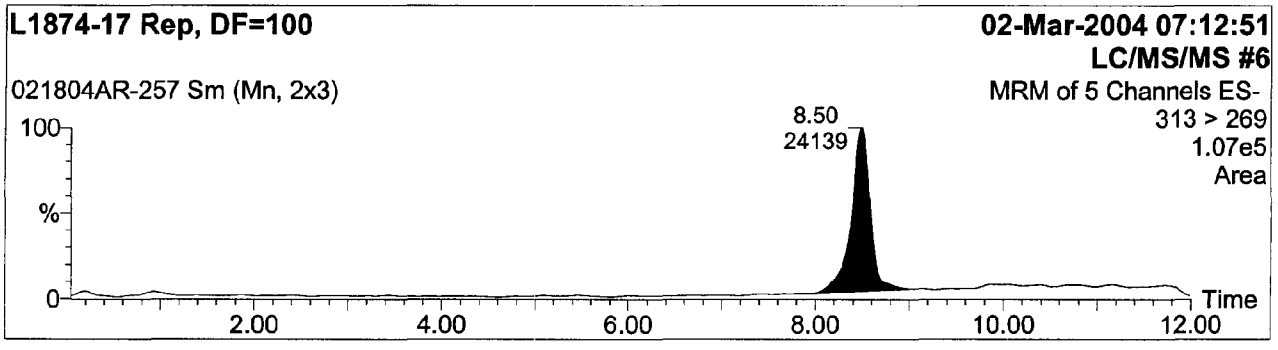
Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

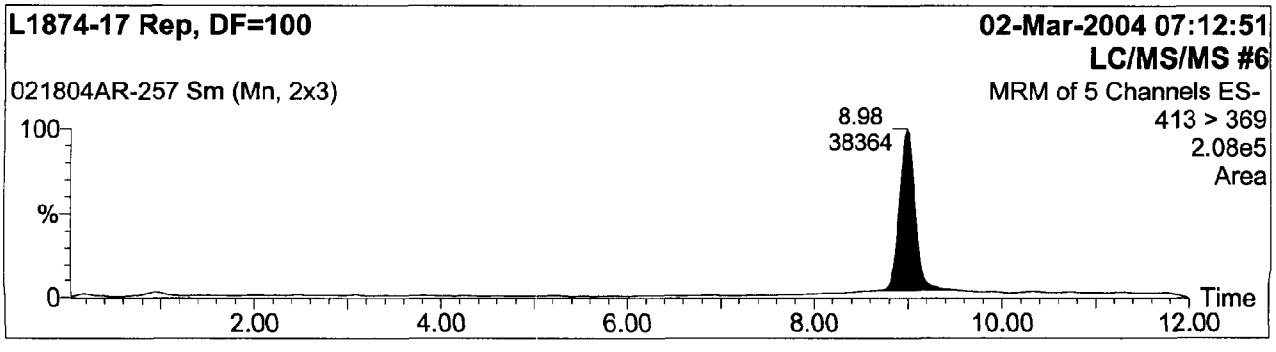
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-257
Text:

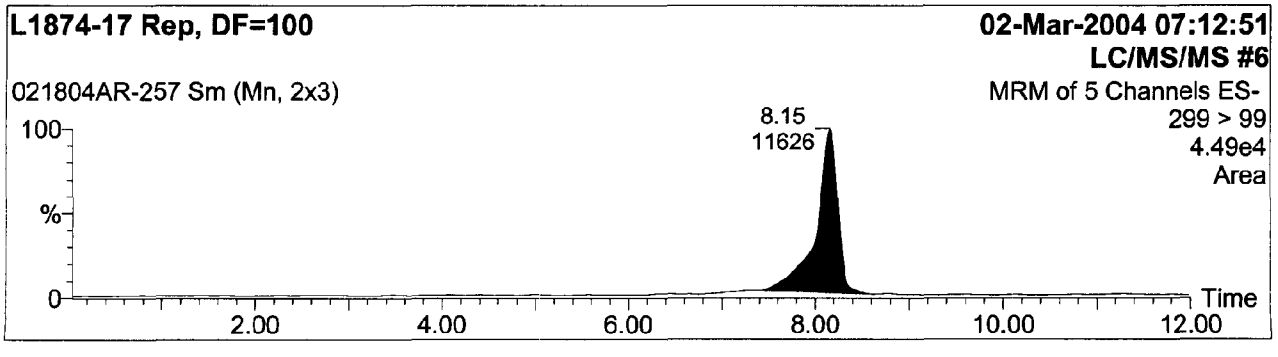
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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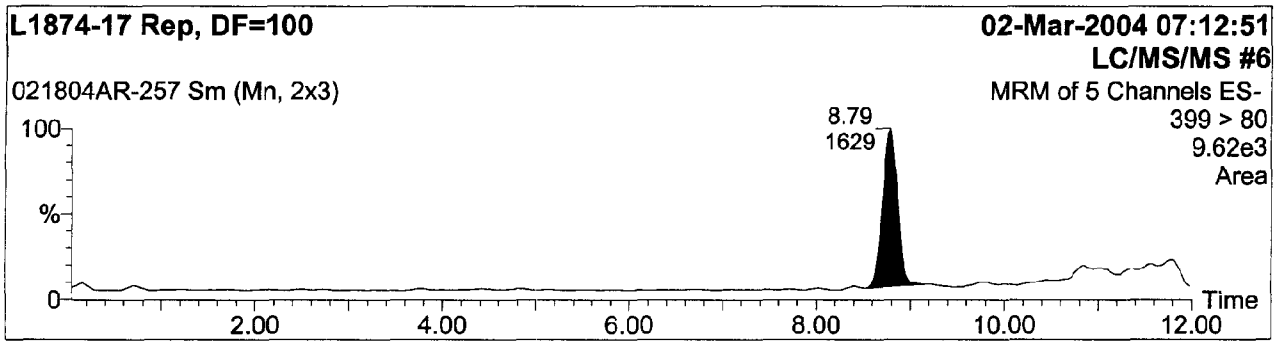
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

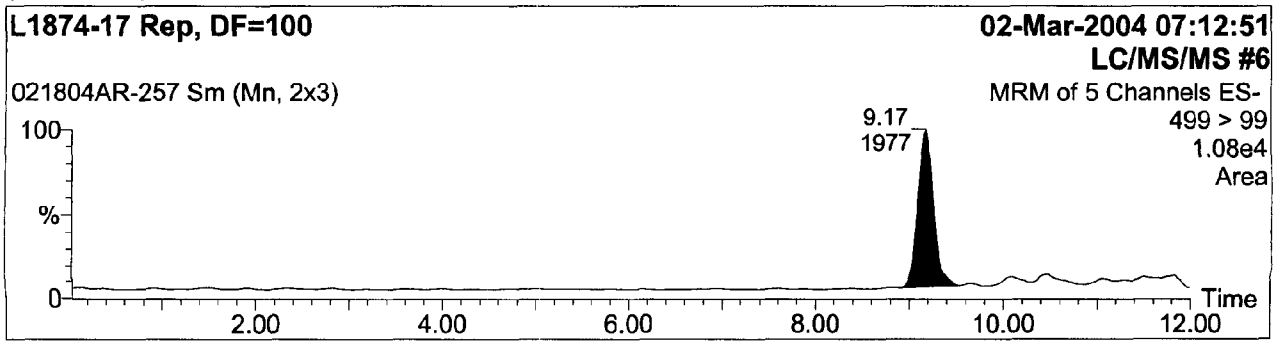
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-257
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

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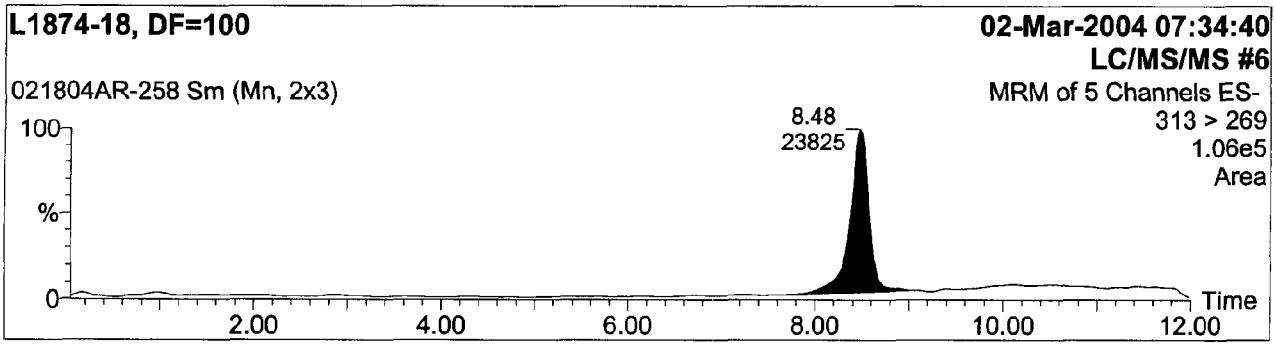
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

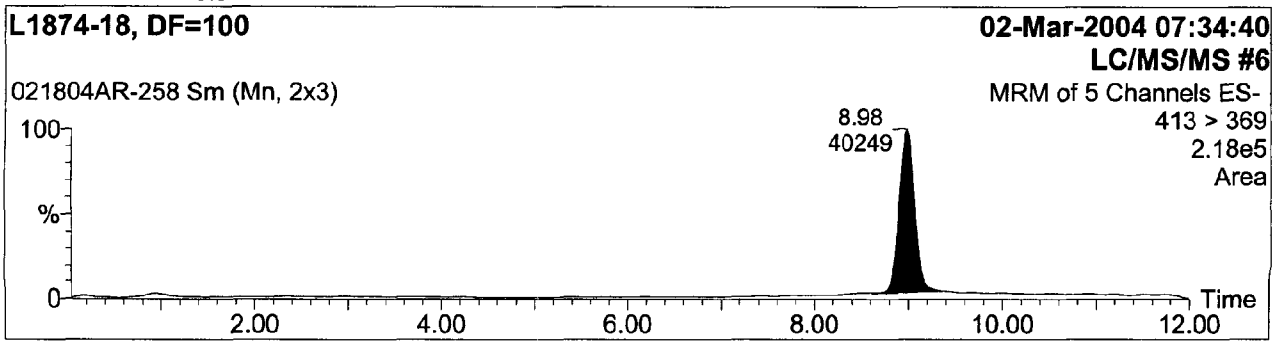
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-258
Text:

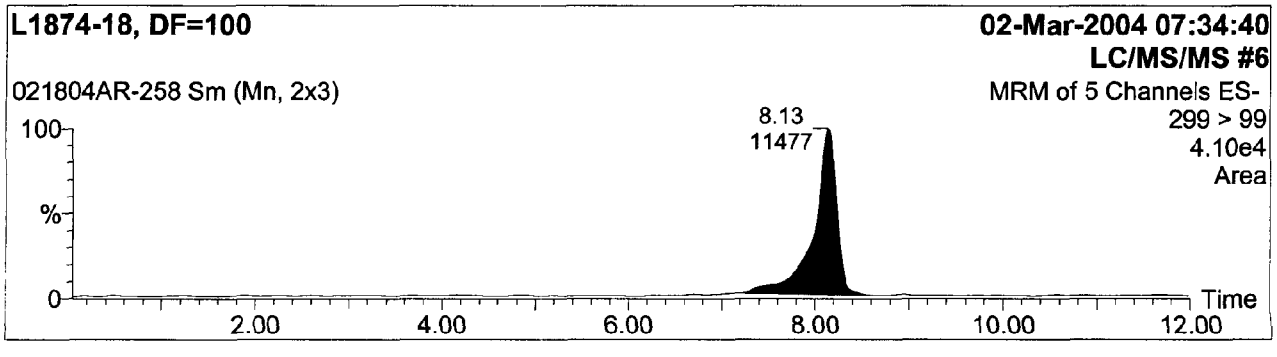
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



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Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

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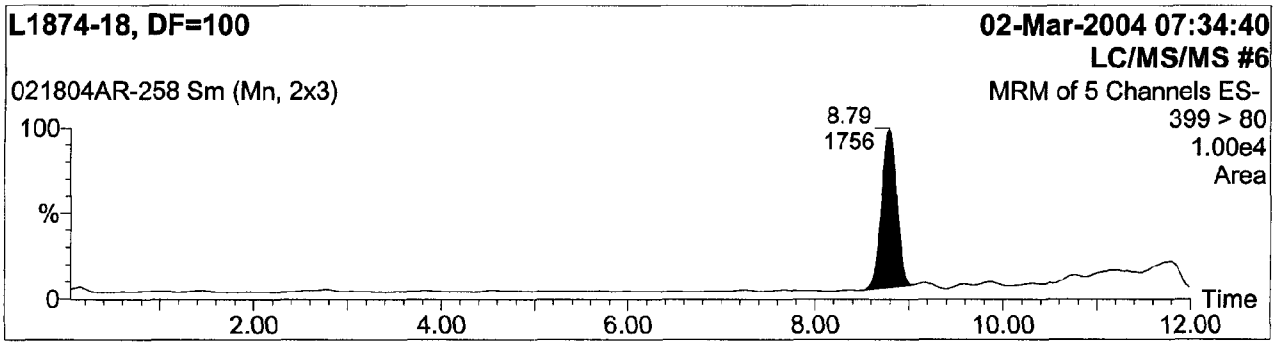
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

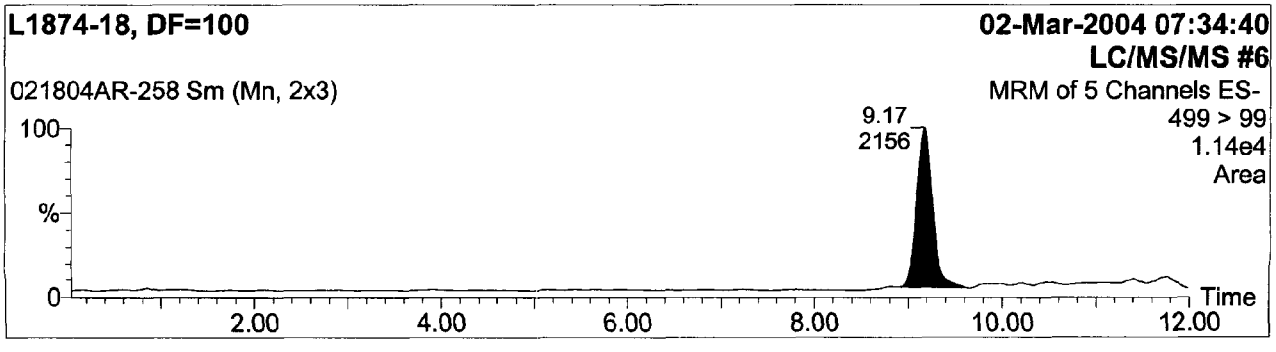
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-258
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



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Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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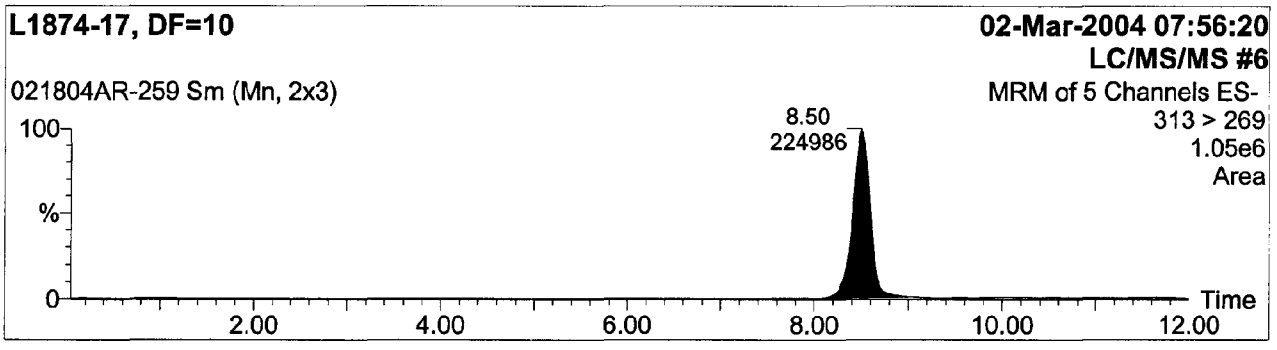
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

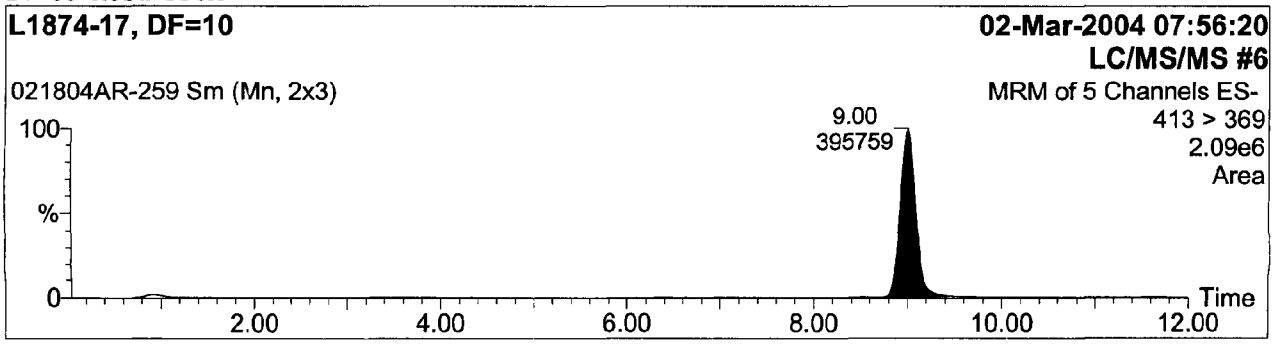
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-259
Text:

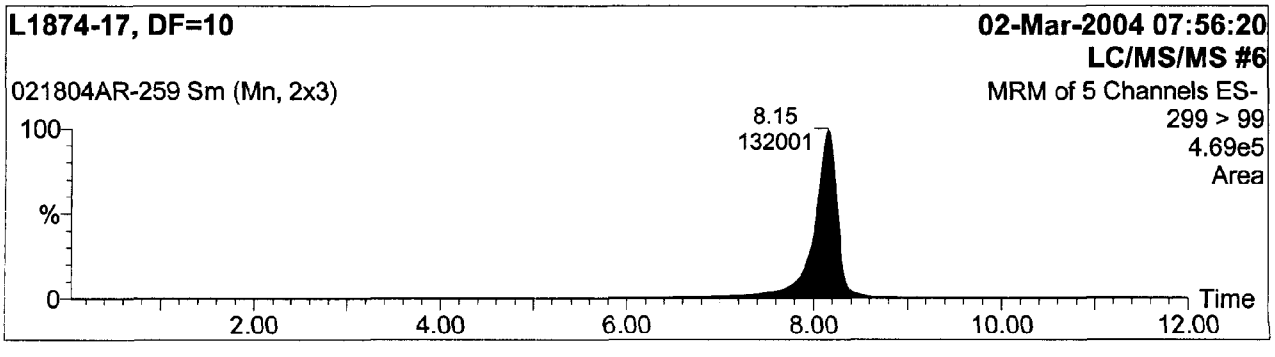
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



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Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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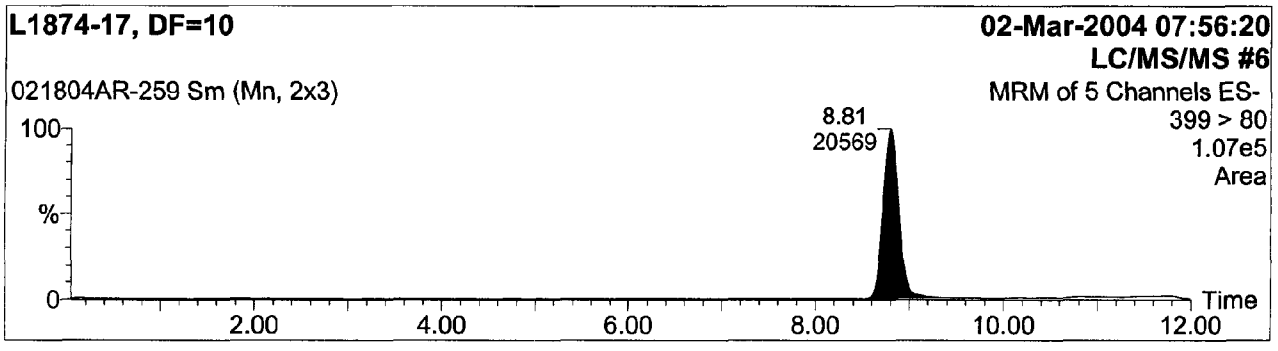
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

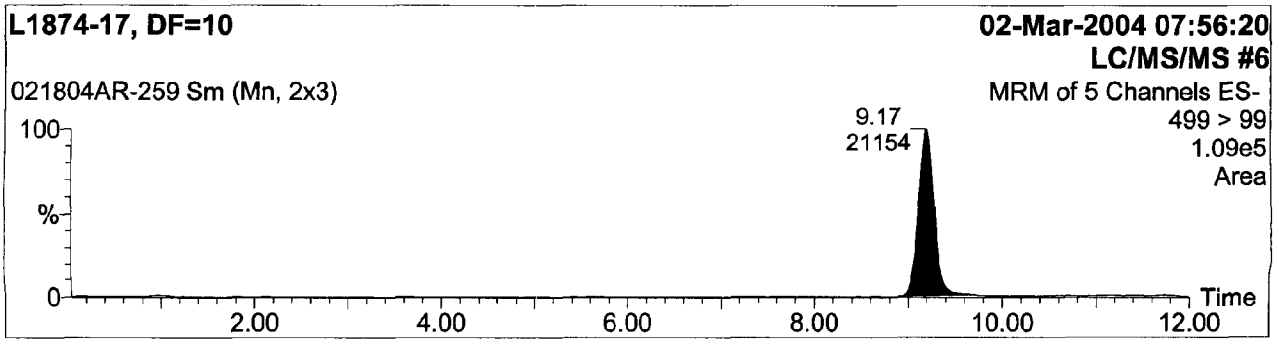
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-259
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

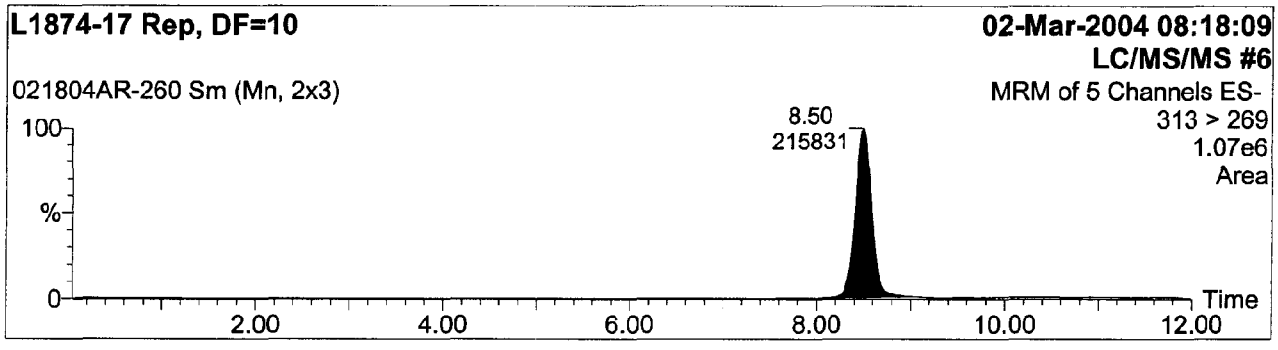
Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

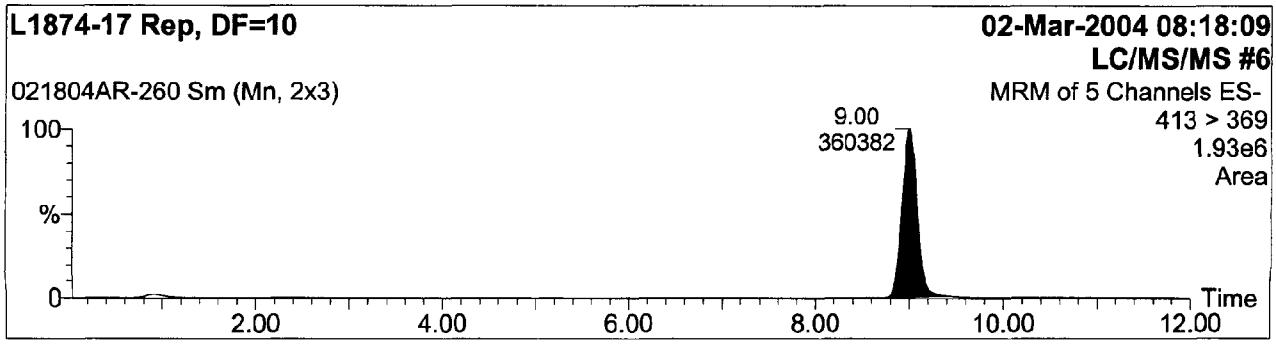
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-260
Text:

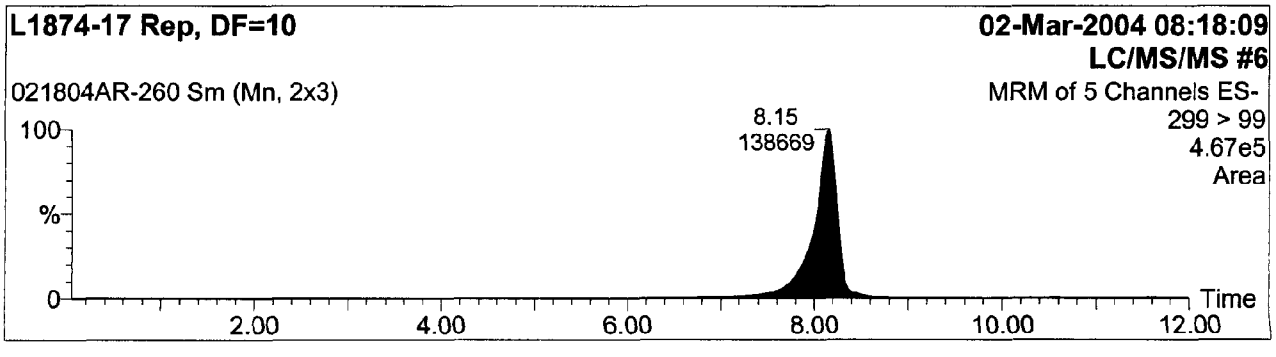
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



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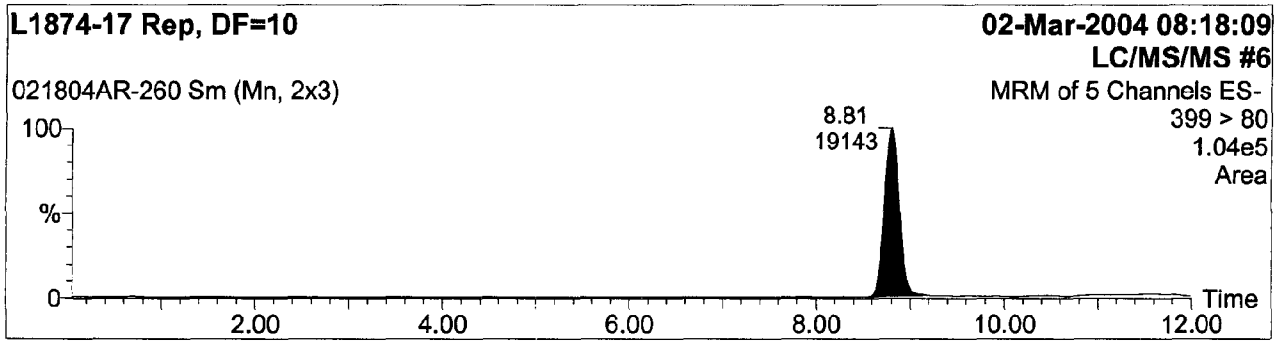
Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

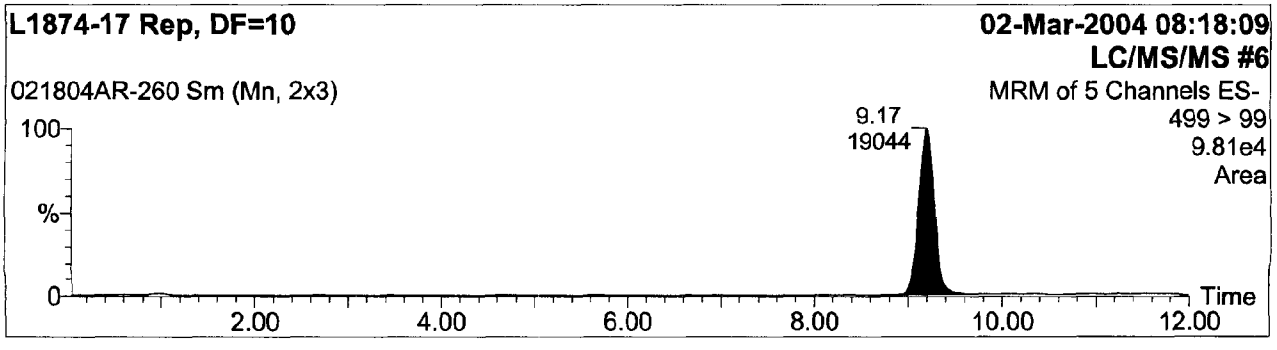
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-260
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

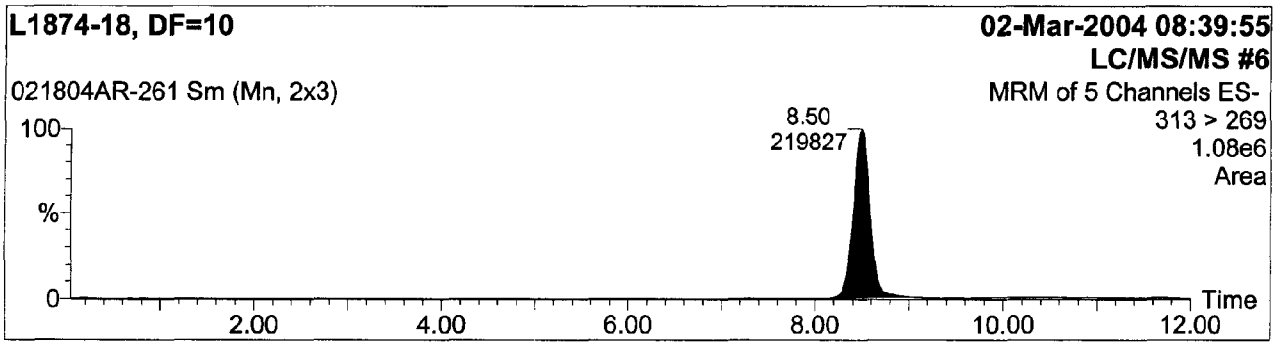
Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

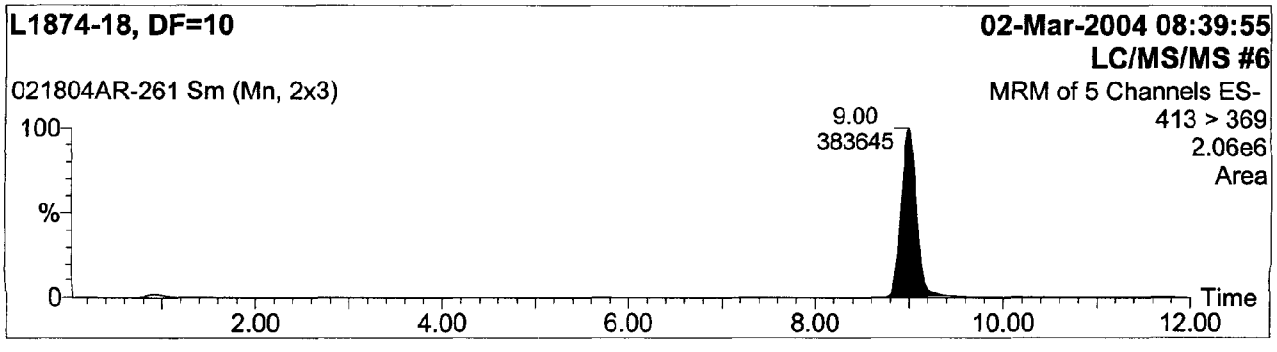
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-261
Text:

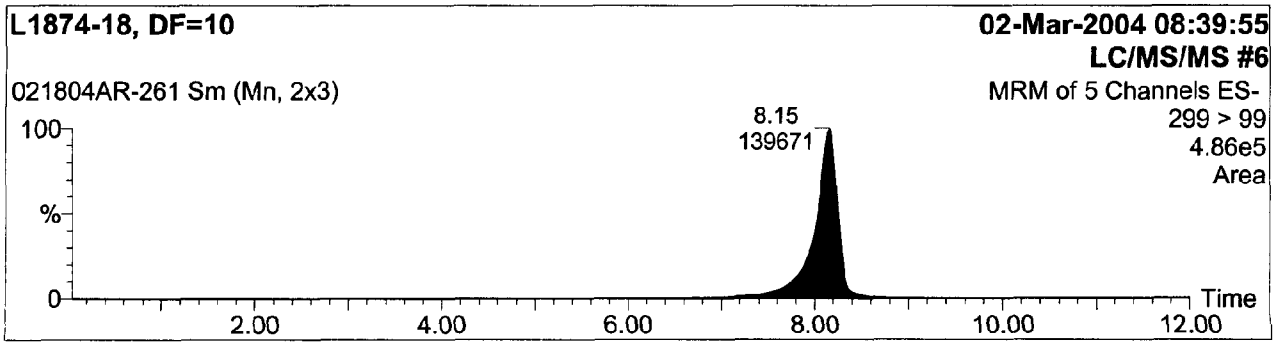
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



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Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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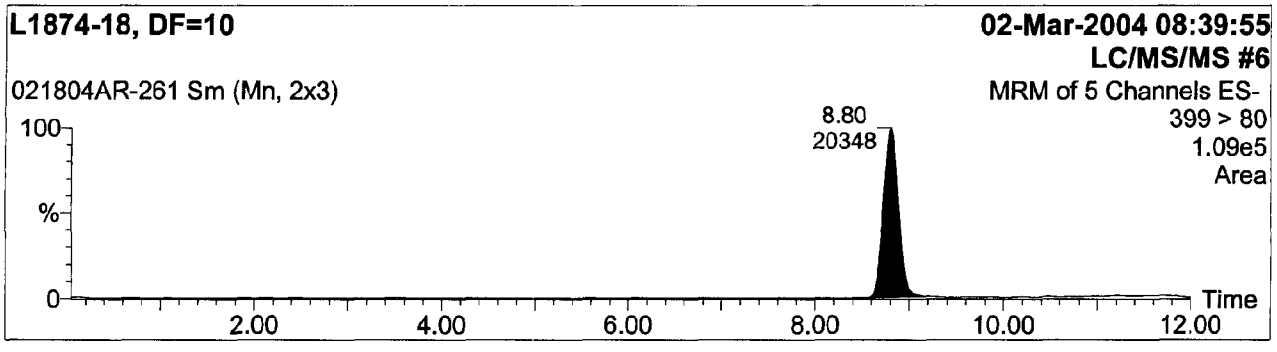
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

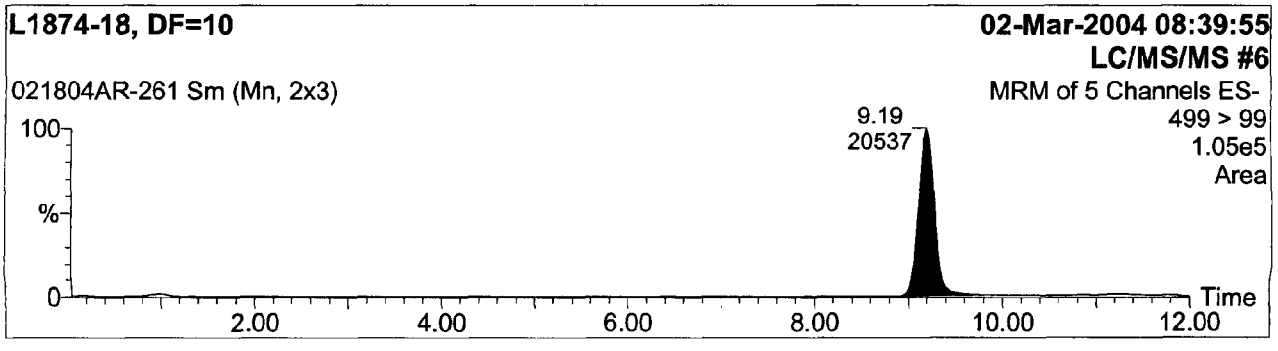
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-261
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



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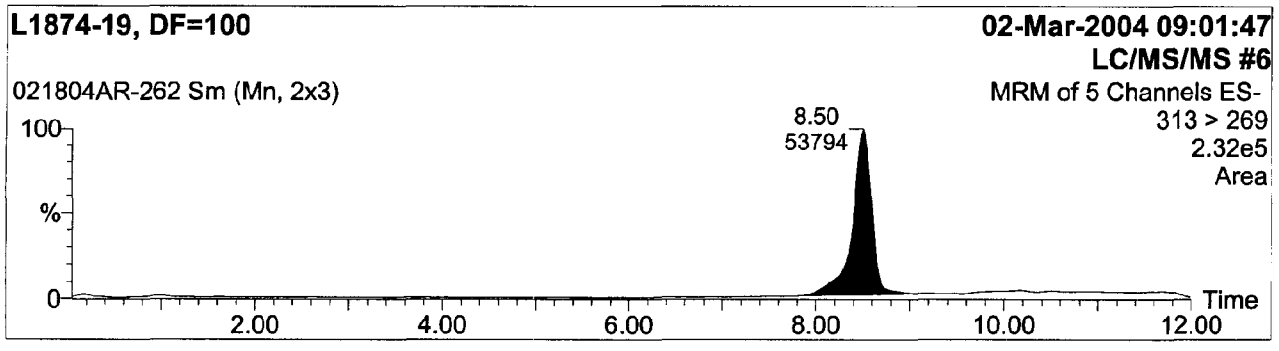
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

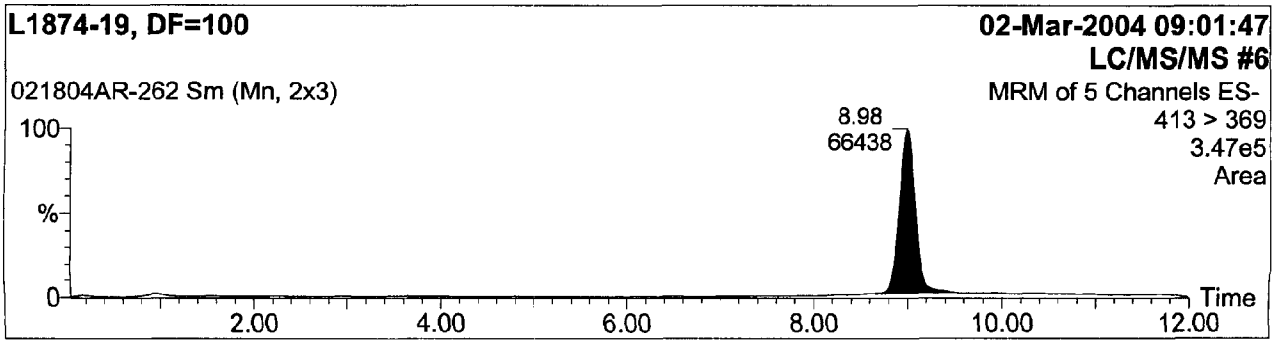
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-262
Text:

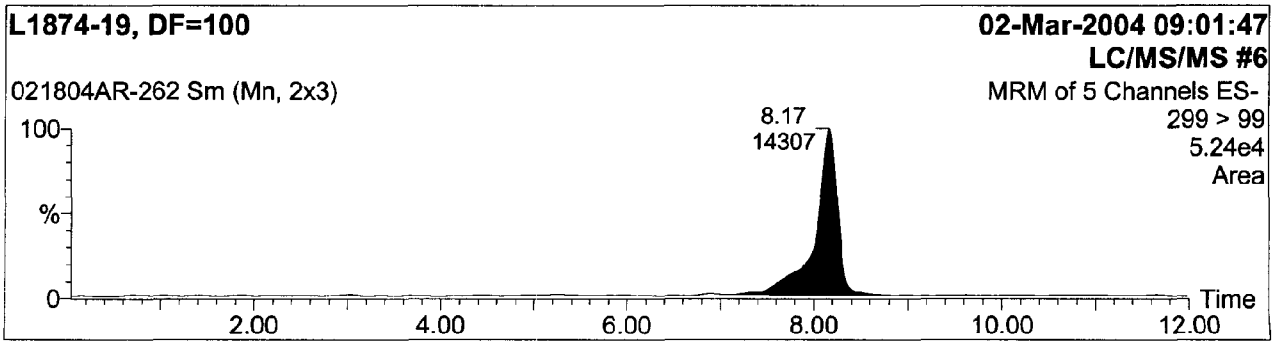
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



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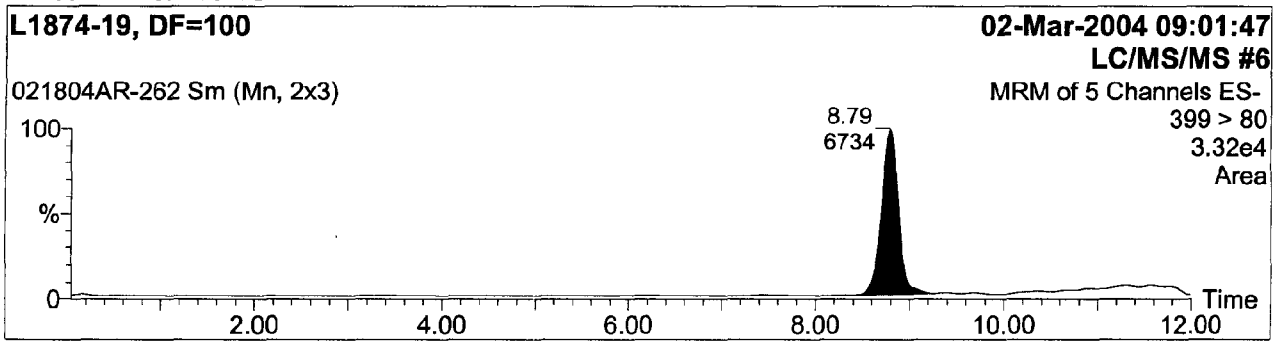
Job Code:

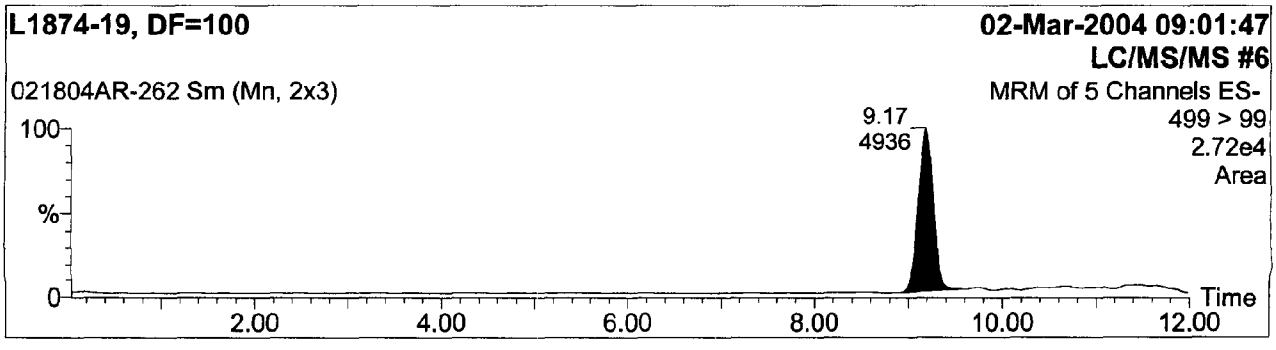
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-262
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



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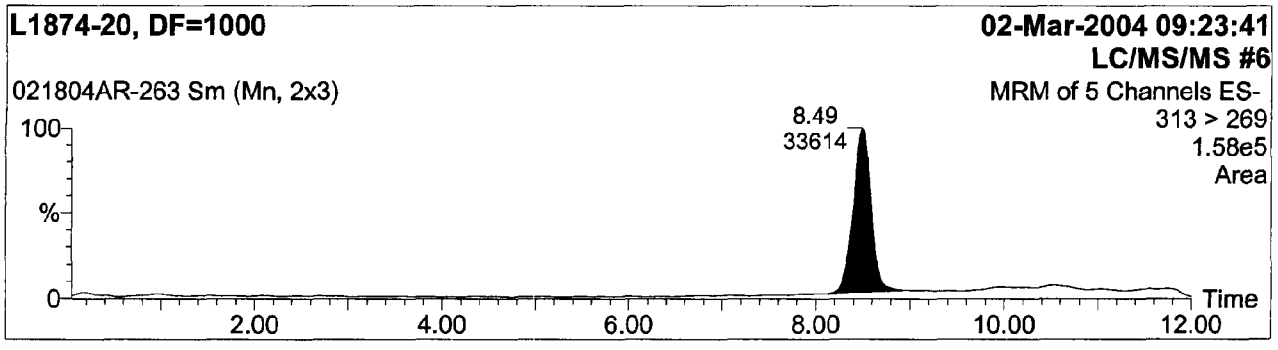
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

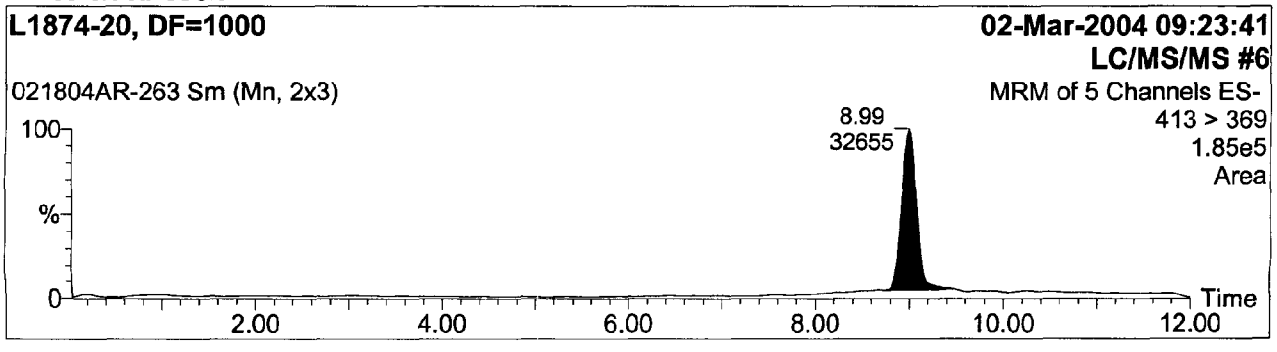
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-263
Text:

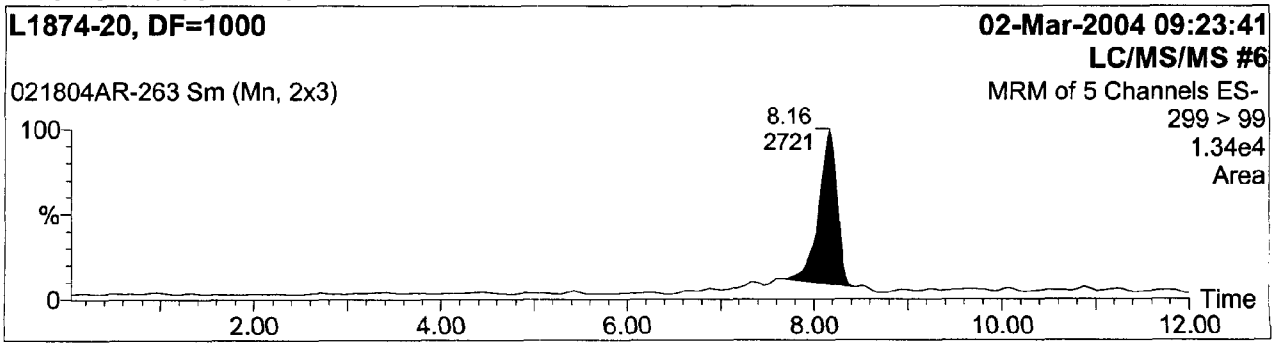
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



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Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

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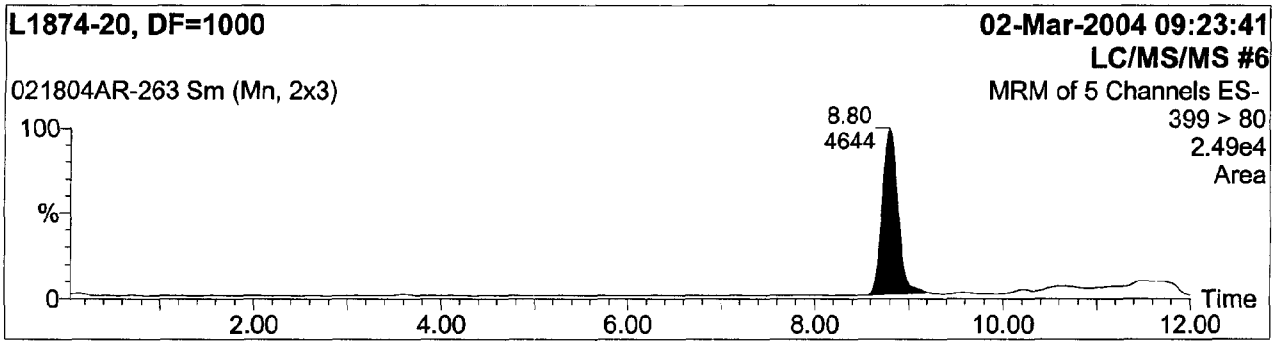
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

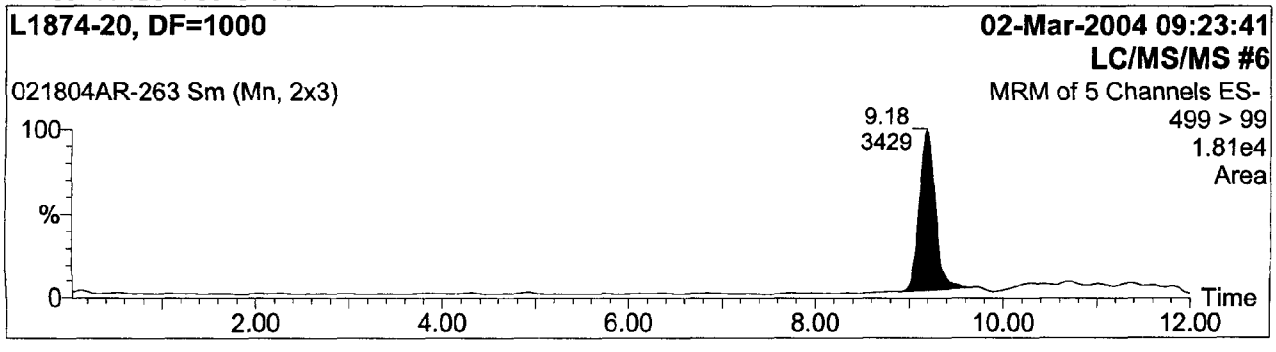
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-263
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
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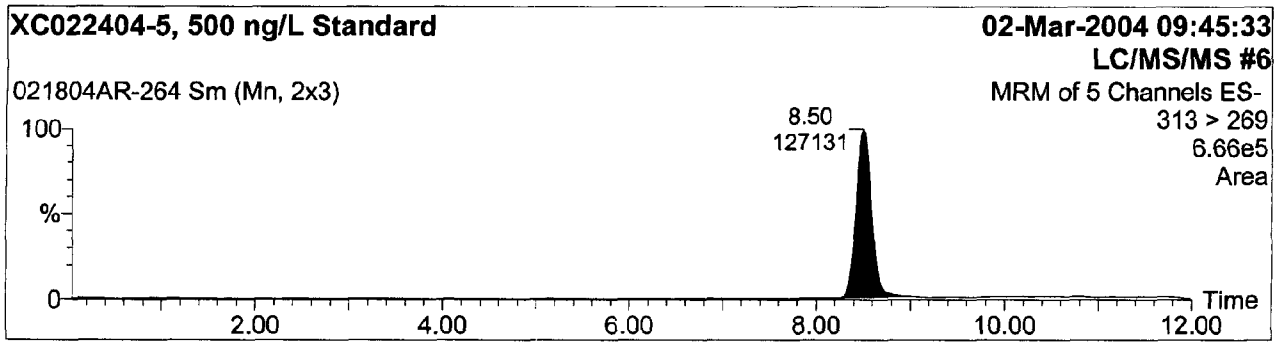
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

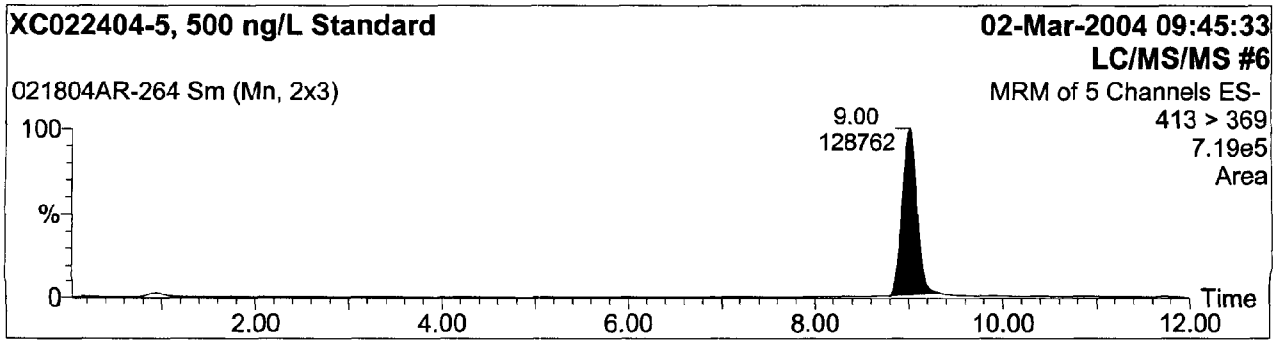
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-264
Text:

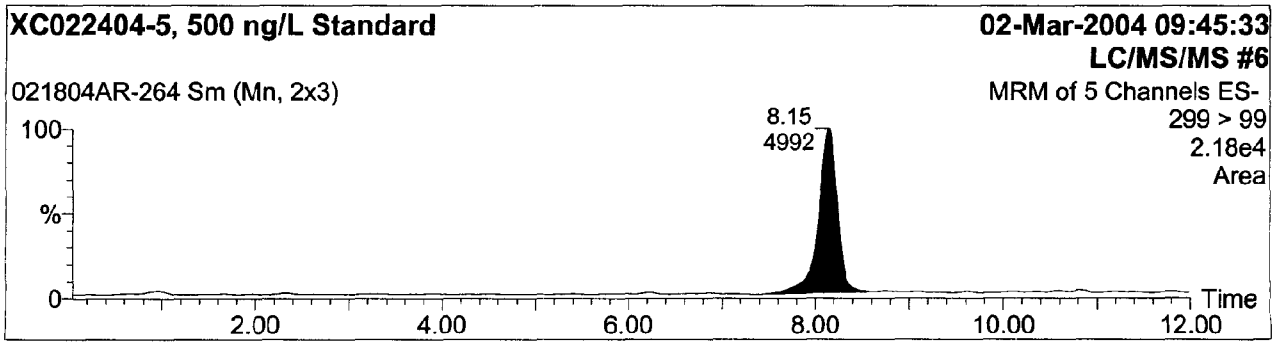
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



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Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

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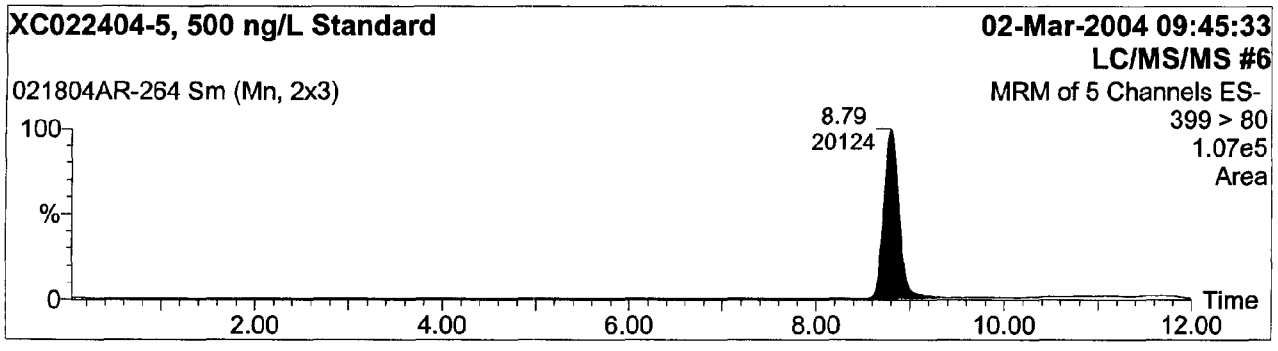
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

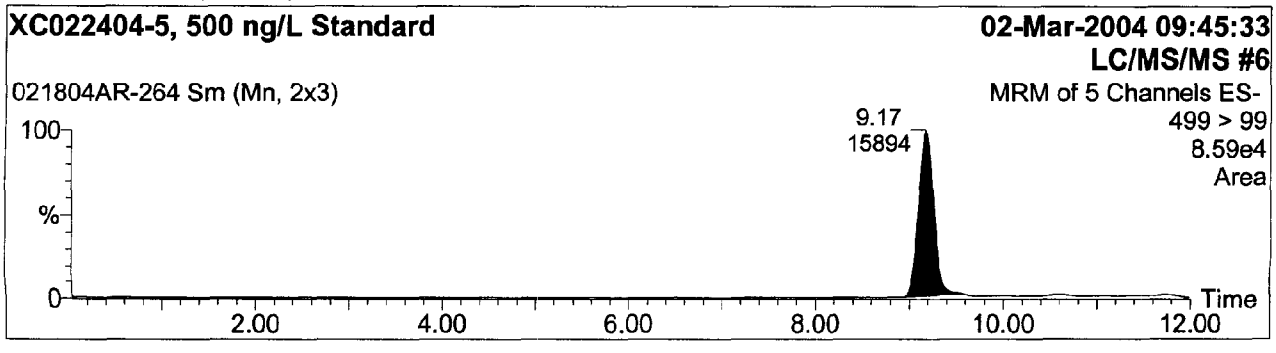
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-264
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



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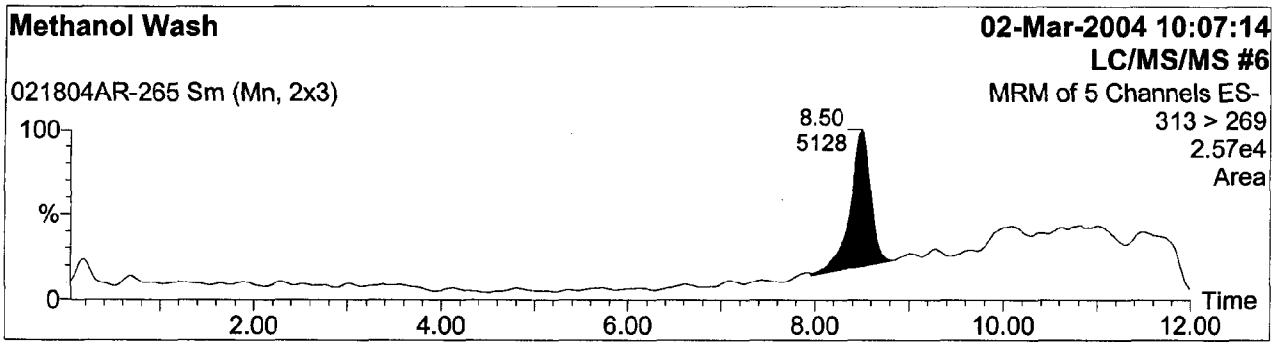
Job Code:

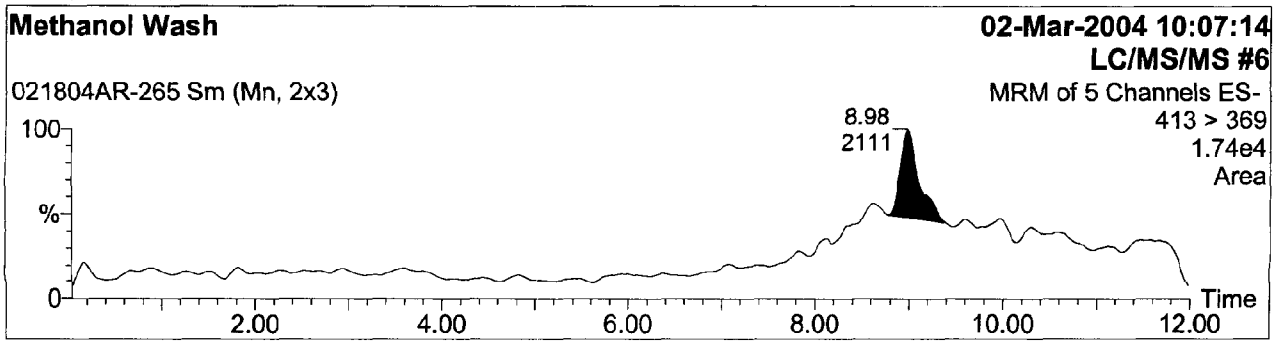
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-265
Text:

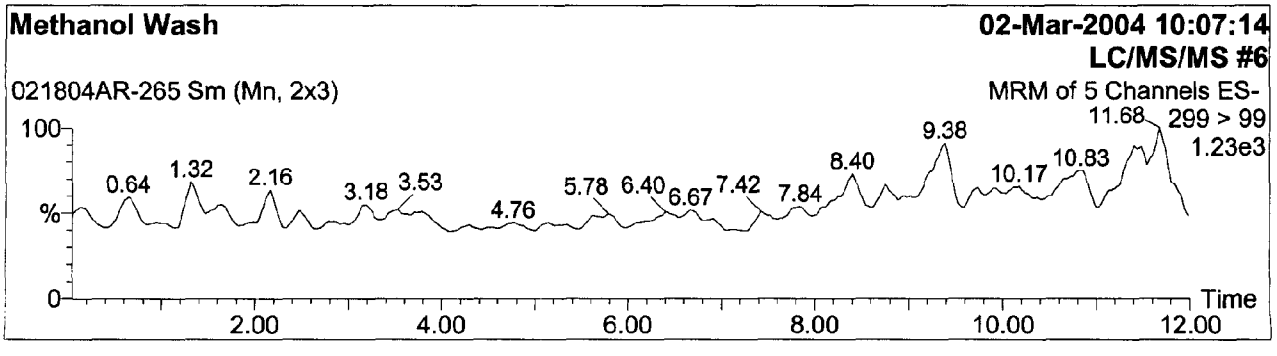
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



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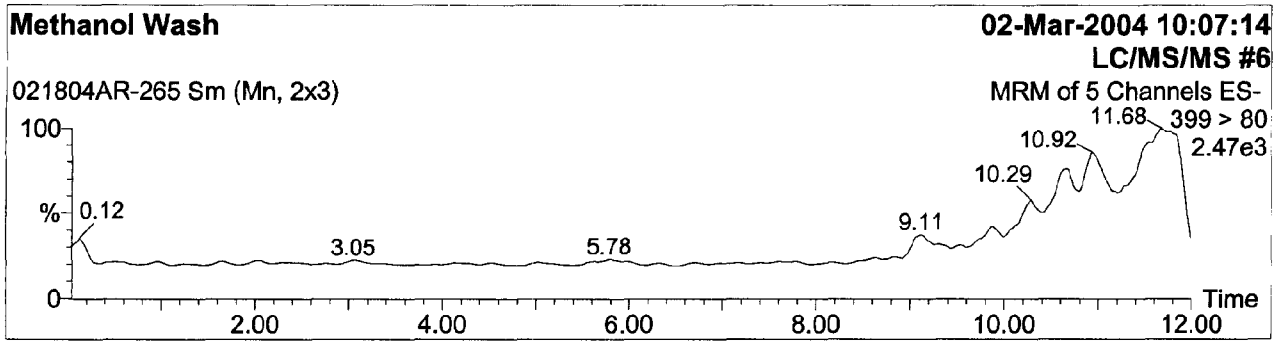
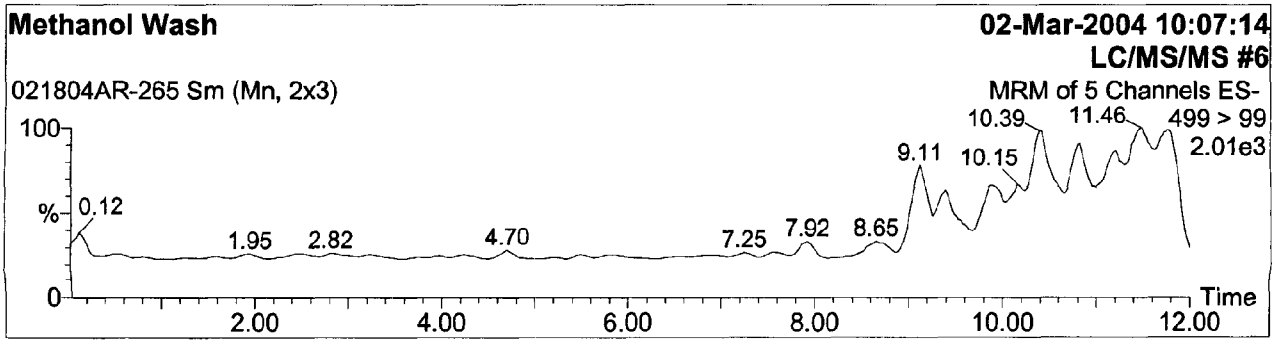
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-265
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



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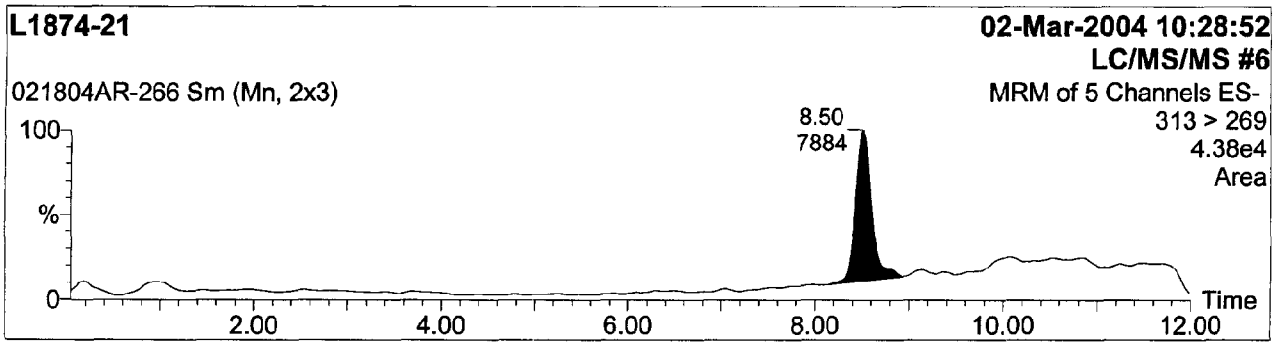
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

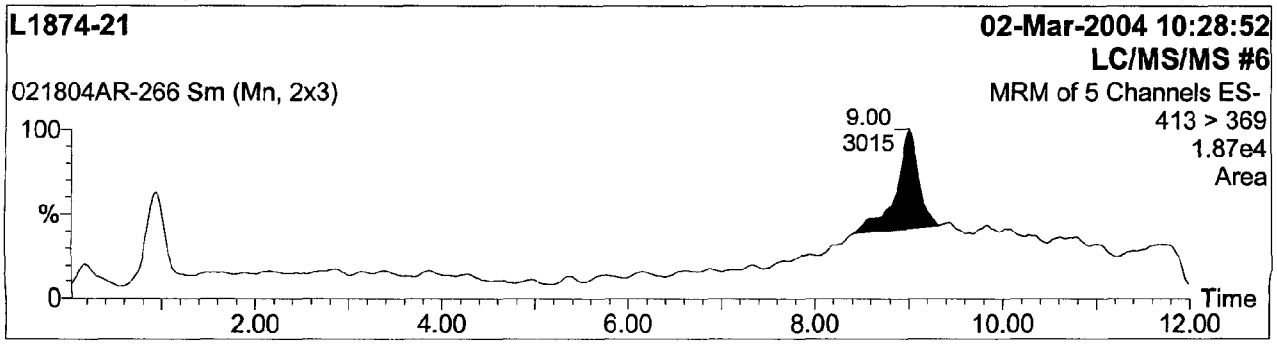
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-266
Text:

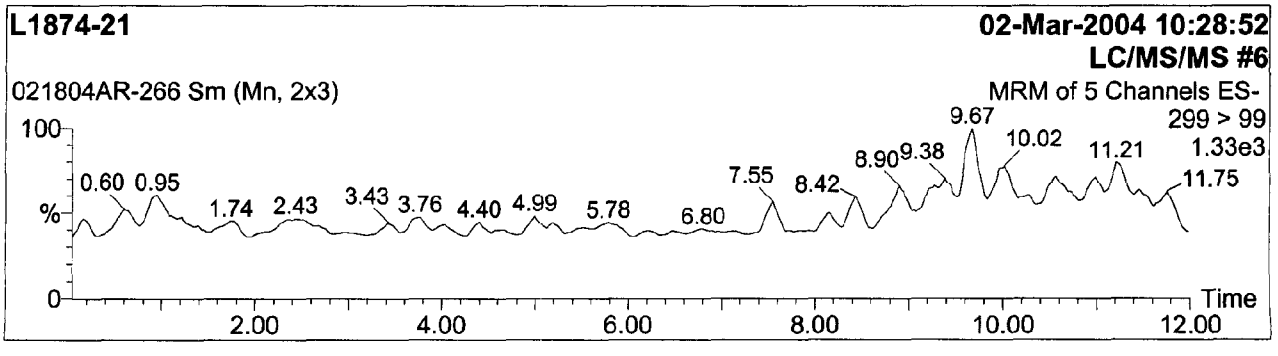
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



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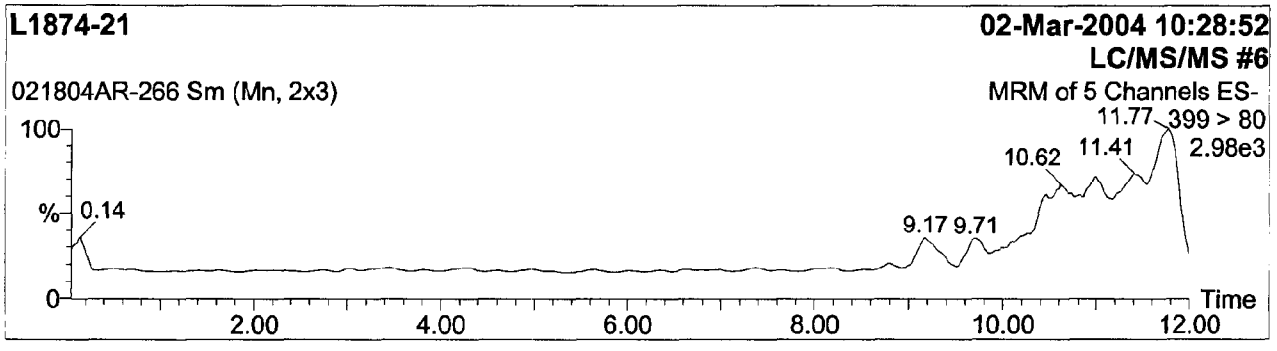
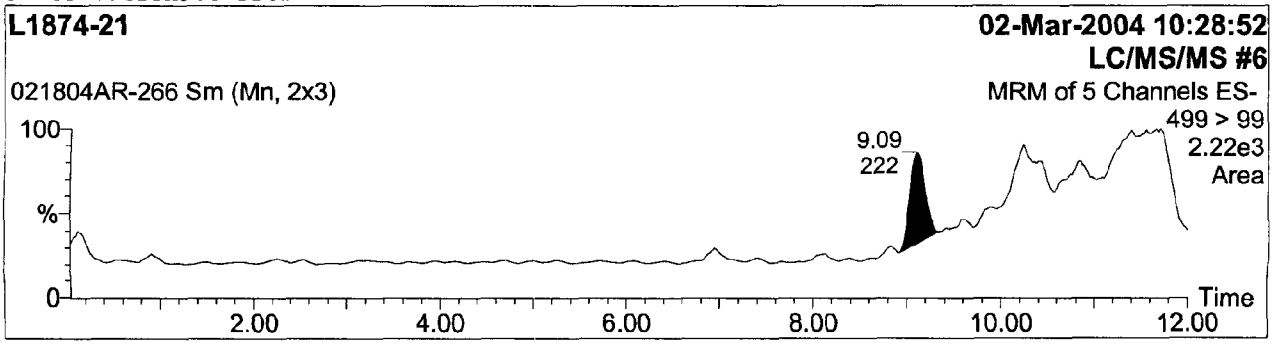
Name: 021804AR-266
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

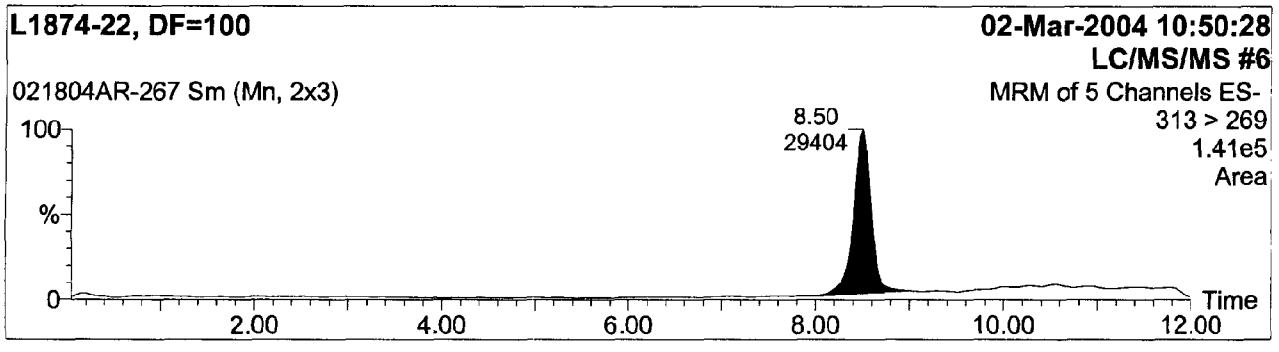
Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

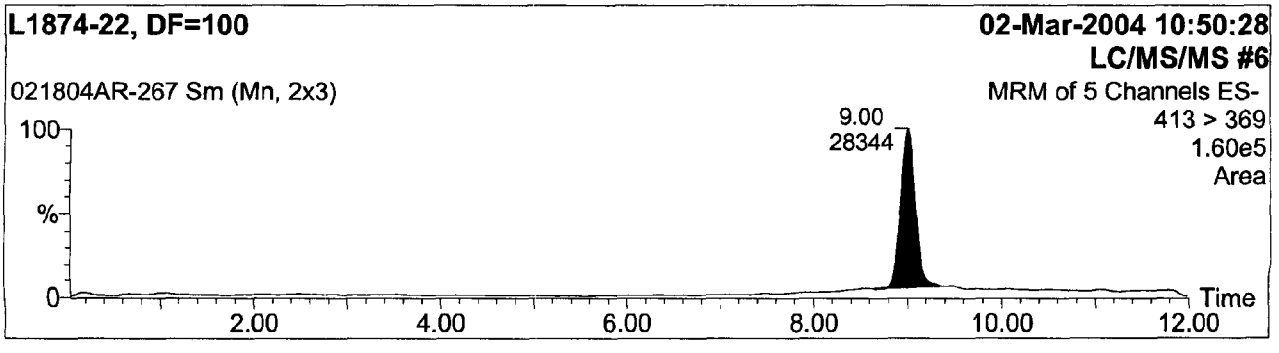
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-267
Text:

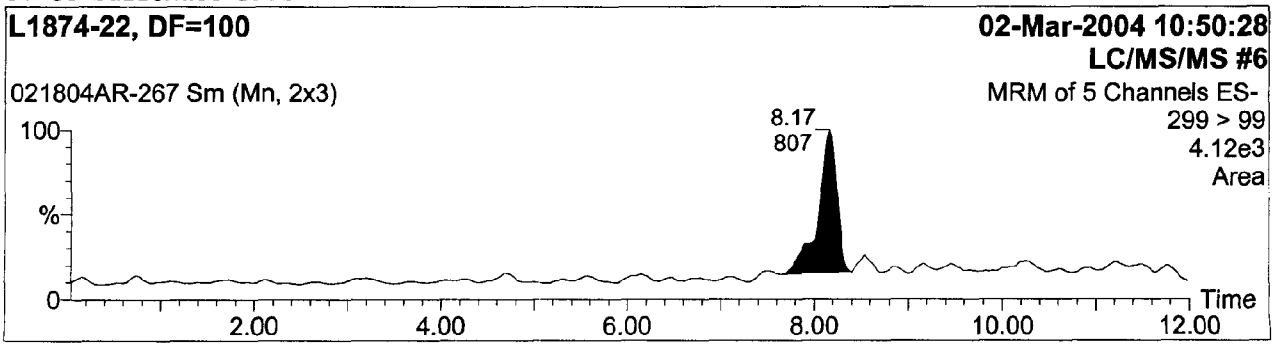
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

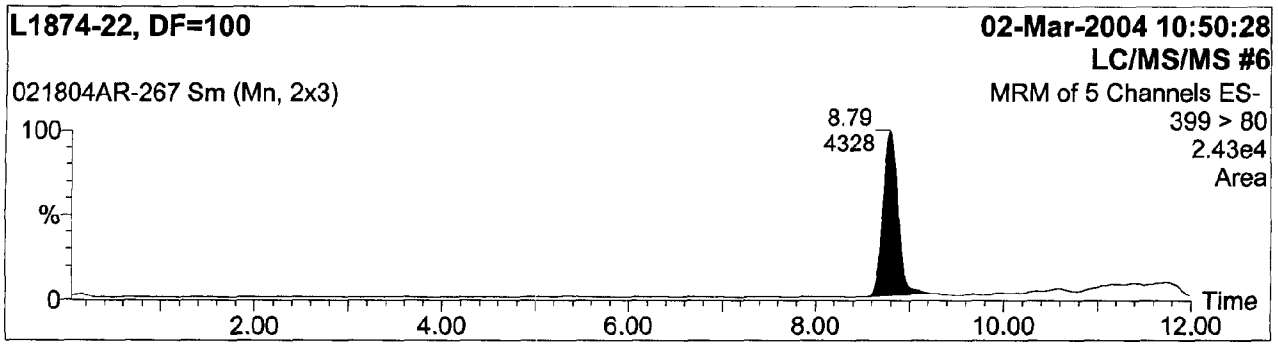
Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

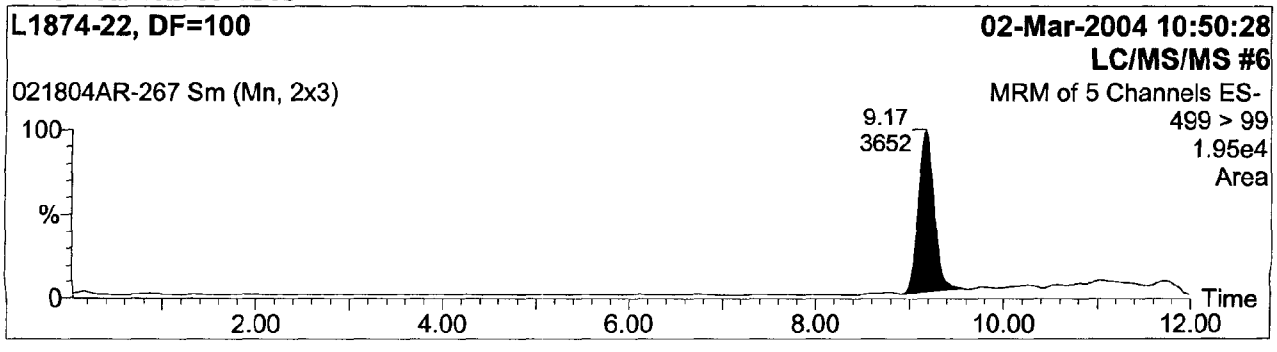
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-267
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

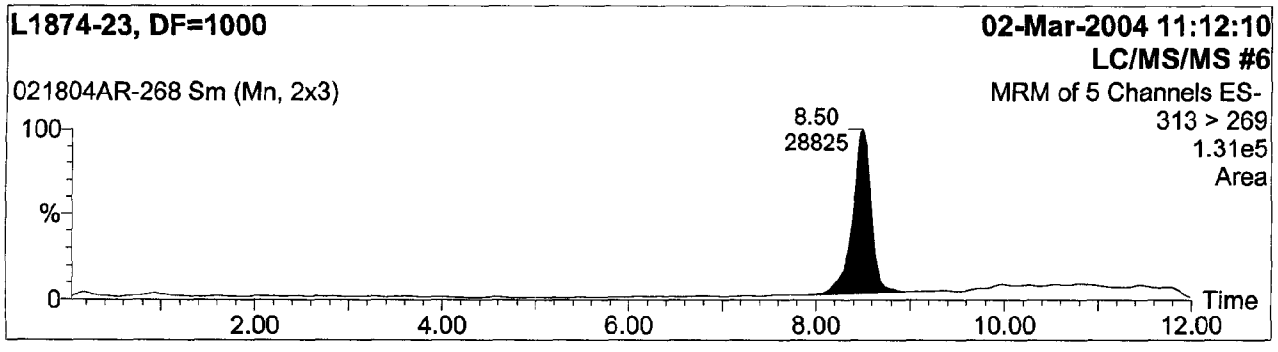
Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

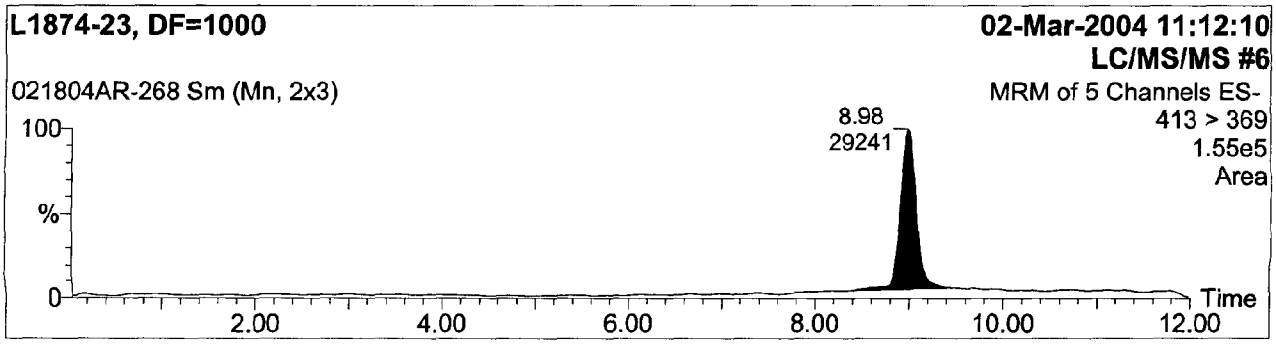
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-268
Text:

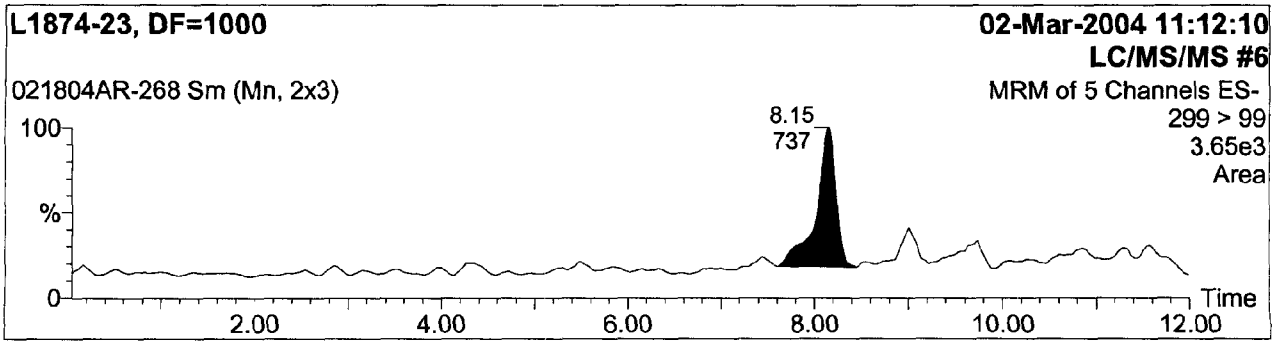
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

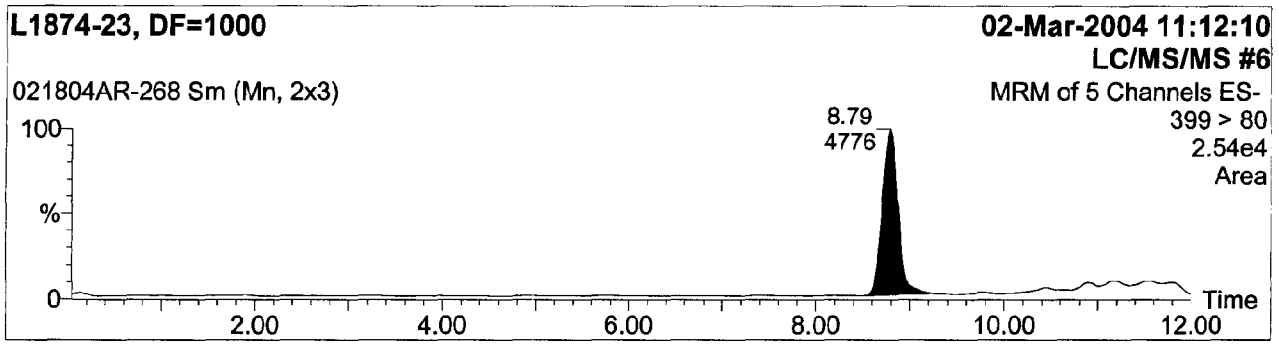
Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

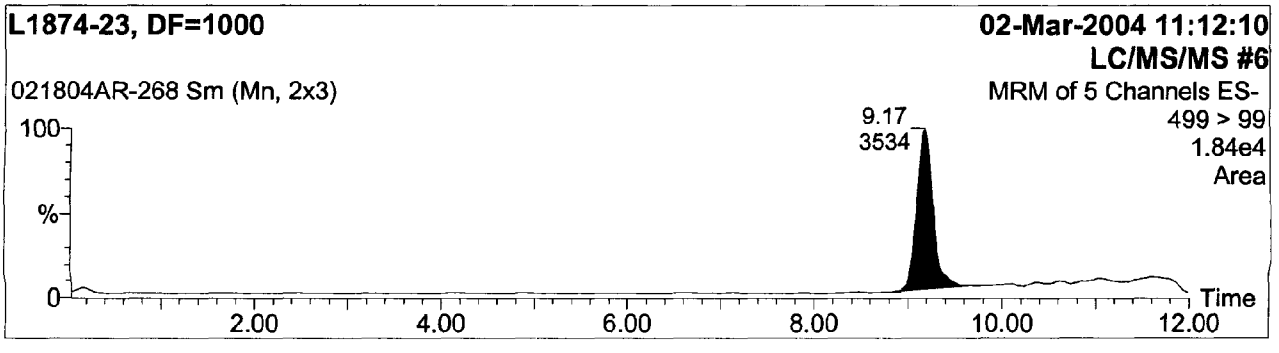
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-268
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

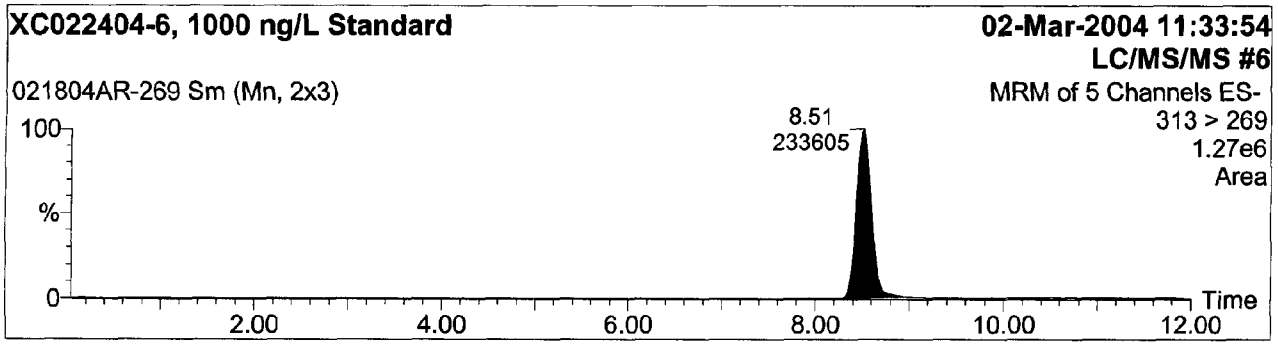
Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

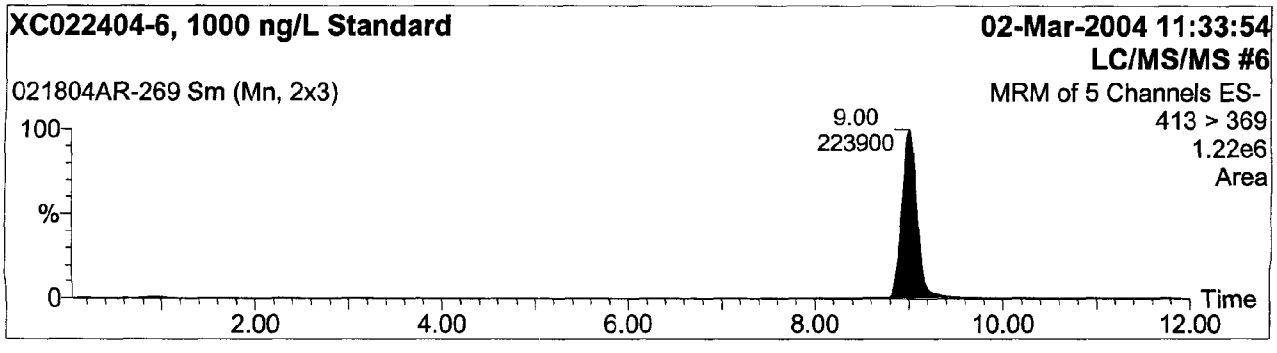
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-269
Text:

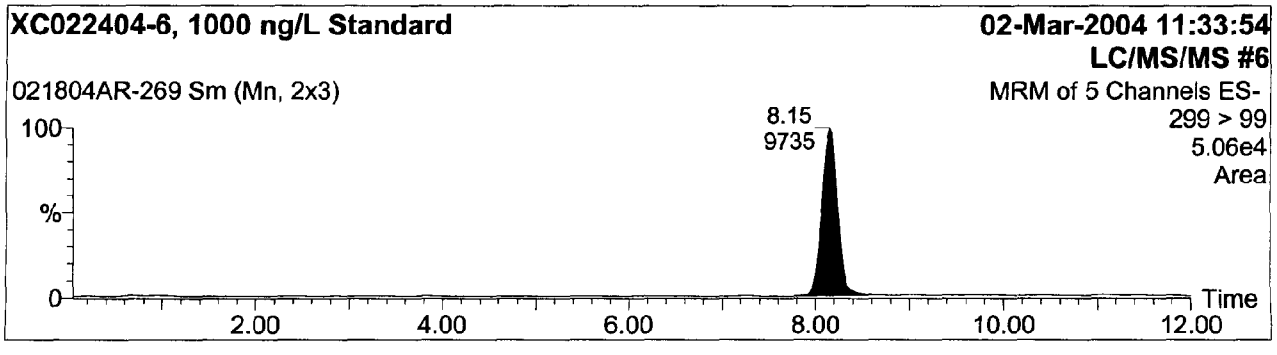
1: C6 Acid PFHA



2: C8 Acid PFOA



3: C4 Sulfonate PFBS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

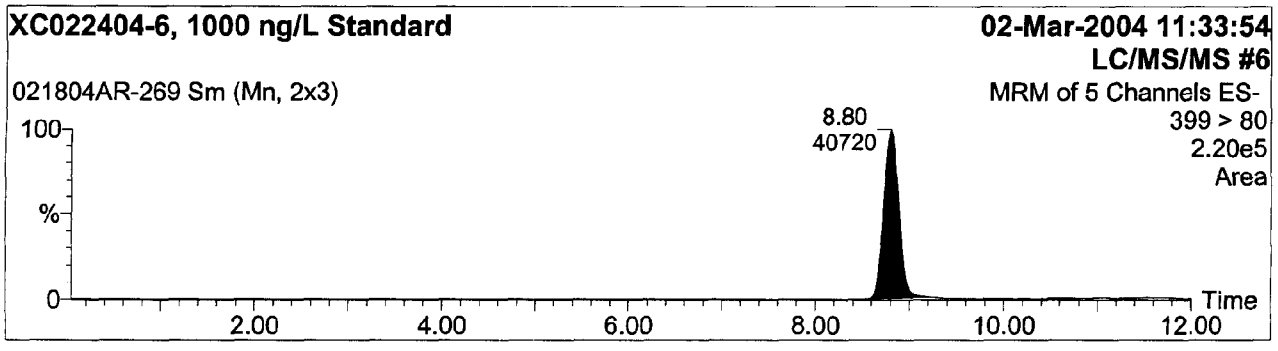
Study No.:L1874, Set No.:021804AR, Ext.Date:02/18/04, Analyst:K.Risha

Sample List: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\SampleDB\021804AR CG ACSFM
Last modified: Tue Mar 02 12:07:00 2004
Method: P:\Data\LCMSMS6\Masslynx\Fluorochemicals.PRO\MethDB\CotGrove NPDES 012104
Last modified: Mon Feb 02 07:04:42 2004
Job Code:

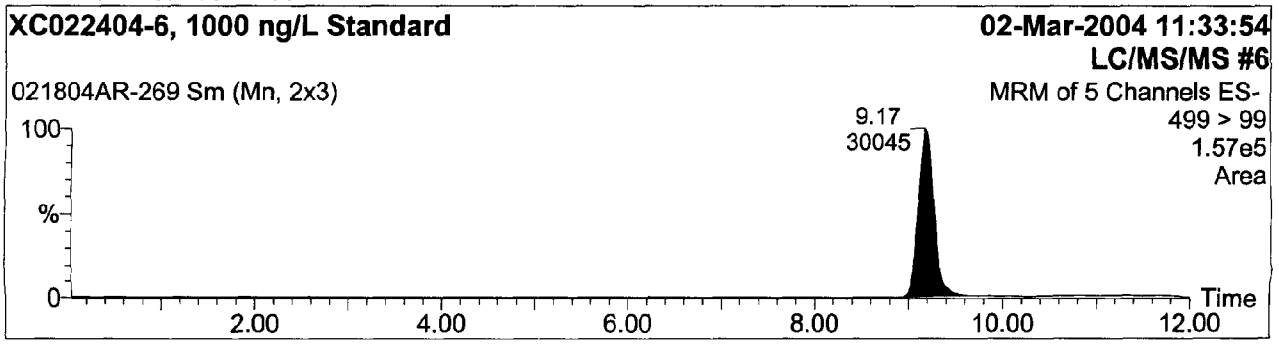
Printed: Tue Mar 02 14:05:22 2004

Name: 021804AR-269
Text:

4: C6 Sulfonate PFHS



5: C8 Sulfonate PFOS



CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Metals
FINAL REPORT
EVENT 1

E04-0120
February 12, 2004

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

North Shore
Analytical, Inc.

5612 Miller Trunk Highway, Suite #1
Duluth, MN 55811
Phone: (218) 729-4658
Fax: (218) 729-4659

MDH Lab # 027-137-389
WDNR Lab # 399017190

Analytical Report

Date Reported: 2/24/04

Client:

3M Cottage Grove
Attn: Tom Baltutis
10746 Innovation Rd., Bldg. 145
Cottage Grove, MN 55016

Phone: 651-458-2032
Fax: 651-458-2596

Sample Information:

Chain of Custody: 3070
Sampled By: MAM
TMG

Method: EPA 1631

Sample ID	Laboratory ID #	Mercury (ng/L)	Sample Date	Analysis Date	MDL (ng/L)
Field Blank	8048	< 0.5	2/12/2004	2/23/2004	0.1
Phase 3 Effluent	8049	< 0.5	2/12/2004	2/23/2004	0.1

Low-level mercury results are reagent blank corrected.

Reviewed By: _____

If you have any questions regarding this report, please call (218) 729-4658.

Sincerely,

Linda Christensen
Chemical Engineer

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

North Shore
Analytical, Inc.

5612 Miller Trunk Highway, Suite #1
Duluth, MN 55811
Phone: (218) 729-4658
Fax: (218) 729-4659

MDH Lab # 027-137-389
WDNR Lab # 399017190

Analytical Report

Date Reported: 2/24/04

Client:

3M Cottage Grove
Attn: Tom Baltutis
10746 Innovation Rd., Bldg. 145
Cottage Grove, MN 55016

Phone: 651-458-2032
Fax: 651-458-2596

Sample Information:

Chain of Custody: 3070
Sampled By: MAM
TMG

Method: EPA 1631

Sample ID	Laboratory ID #	Mercury (ng/L)	Sample Date	Analysis Date	MDL (ng/L)
Field Blank	8046	< 0.5	2/13/2004	2/23/2004	0.1
Effluent	8047	6.5	2/13/2004	2/23/2004	0.1

Low-level mercury results are reagent blank corrected.

Reviewed By: _____

If you have any questions regarding this report, please call (218) 729-4658.

Sincerely,

Linda Christensen
Chemical Engineer

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

North Shore Analytical, Inc.
5612 Miller Trunk Highway, Suite 1
Duluth, MN 55811
Phone (218) 729-4658
Fax (218) 729-4659

Record # : 3676

STF-COC-001
Revision Number: 2
Revision Date: 7/23/01

Chain of Custody

Client Name	3M Cottage Grove			Report to:	Tom Baltutis	Sampled by:	TMG/MAM
Address:	Bldg. 145 Environmental Lab; 10746 Innovation Road			Phone:	651-768-2032	Project:	
City	Cottage Grove	MN	Zip 55016	Fax:	651-768-2666		

NSA Lab #	Bottle #	Client Sample Identification	Date Collected	Time Collected	Matrix	Sample Type: Grab	Sample Type: Composite	Container/ Preservation	Analysis Requested
6104	20-11	Field Blank	2/8/04	12:25	WW Blk	X		G/NA	Low Level Mercury
6105	75-11	Effluent	↓	↓	WW	X		↓	↓
6106	10-11	Phase 3 Effluent	2/9/04	12:00	WW	X		↓	
6107	60-11	Field Blank	↓	↓	WW Blk	X		↓	

Transfer #	Relinquished By	Date	Time	Accepted By	Date	Time	Condition
1	[signature]	2/8/04	15:00	[signature] CO	2/10/04	11:00	Ambient
2							
3							
4							

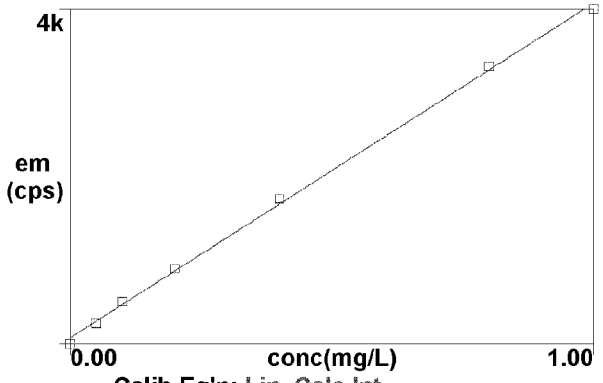
ADDITIONAL COMMENTS: Sample 20-11, 75-11 permit sample shared Effluent

KEY	Matrix		Containers	Preservation
Lab Use Only	SW = Surface Water	GW = Ground Water	P = Plastic	NA = None Added
	WW = Wastewater	DW = Drinking Water	G = Glass	H = Hydrochloric Acid
			B = Plastic Bag	B = Bromine Monochloride

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Method: WWTP Scan
Result: CG WWTP Carbon Study Event 1 E04-0120

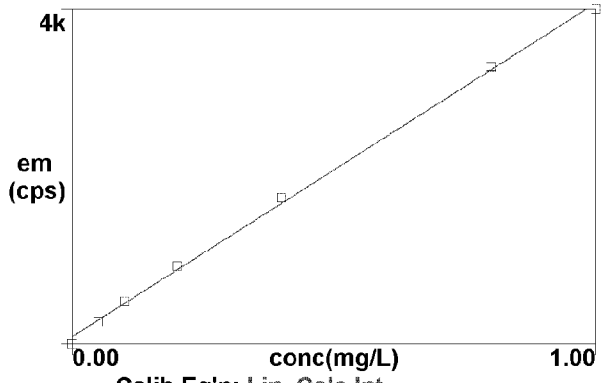
Sb 206.836



Calib Eq'n: Lin, Calc Int
Corr Coeff: 0.999360

1

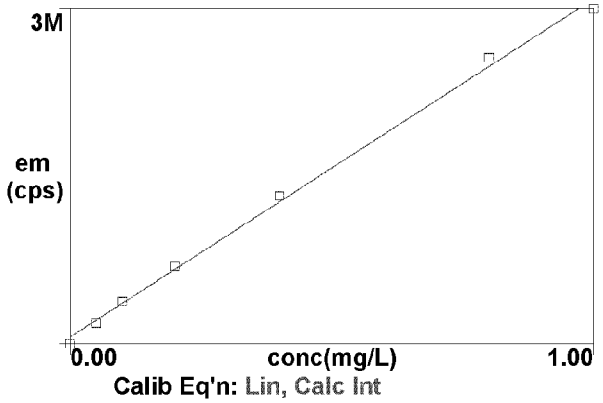
As 188.979



Calib Eq'n: Lin, Calc Int
Corr Coeff: 0.999258

2

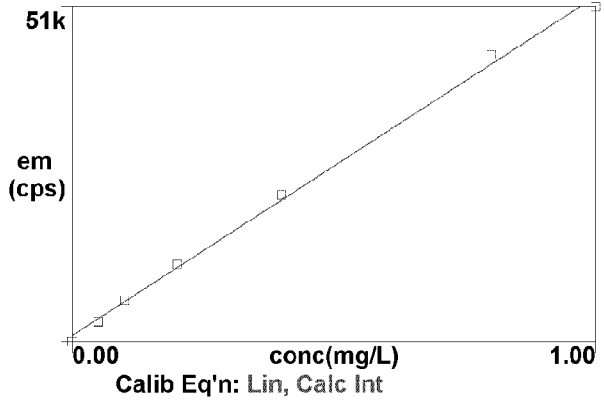
Be 313.107



Calib Eq'n: Lin, Calc Int
Corr Coeff: 0.998716

3

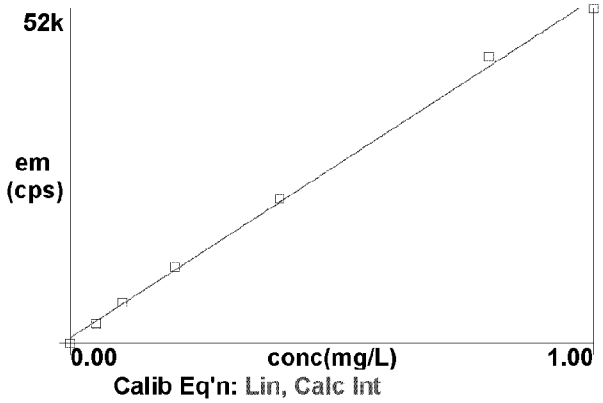
Co 228.616



Calib Eq'n: Lin, Calc Int
Corr Coeff: 0.998706

4

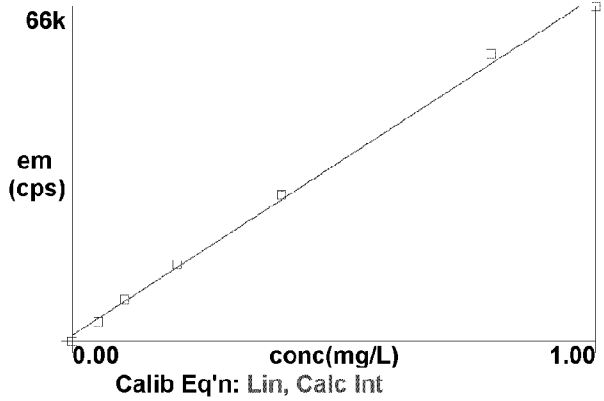
Cd 228.802



Calib Eq'n: Lin, Calc Int
Corr Coeff: 0.998840

5

Cr 267.716



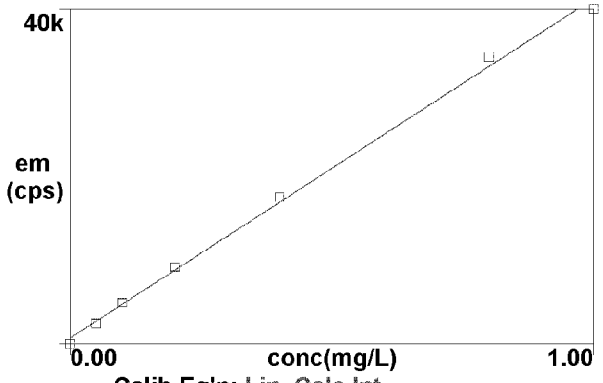
Calib Eq'n: Lin, Calc Int
Corr Coeff: 0.998633

6

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Method: WWTP Scan
Result: CG WWTP Carbon Study Event 1 E04-0120

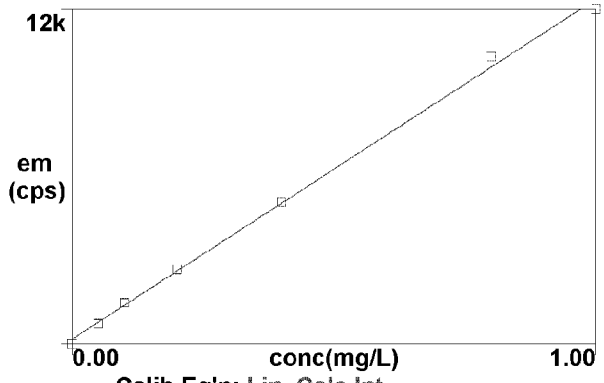
Ni 231.604



Calib Eq'n: Lin, Calc Int
Corr Coeff: 0.998680

7

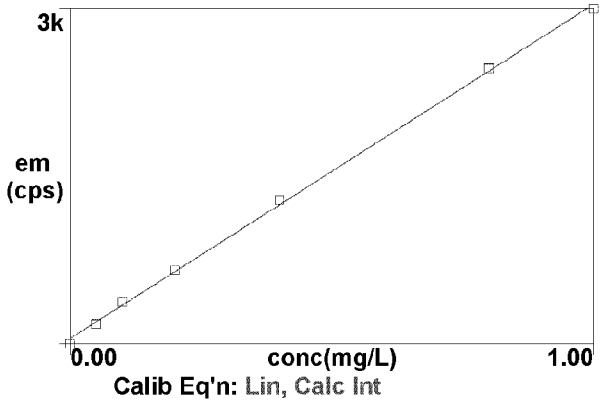
Pb 220.353



Calib Eq'n: Lin, Calc Int
Corr Coeff: 0.998821

8

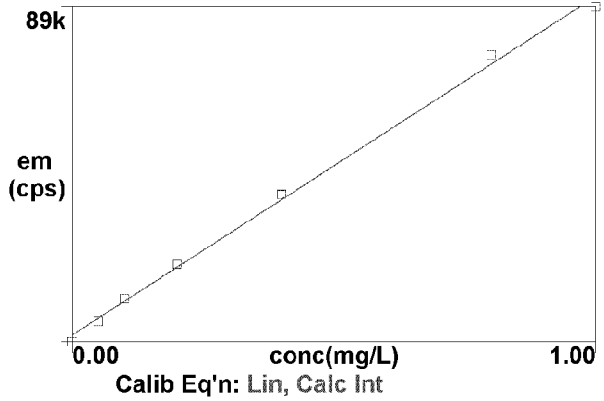
Se 196.026



Calib Eq'n: Lin, Calc Int
Corr Coeff: 0.999543

9

Zn 213.857



Calib Eq'n: Lin, Calc Int
Corr Coeff: 0.998650

10

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Sample ID	Sample Name	Date	Time	Initial Sample Wt	MDL	Analyte Name	Reported Conc (Calib)	Calib Units	Reported Conc (Samp)	Samp Units	QC Recovery
0.4ppm		2/20/2004	9:42:23 AM			Sb 206.836	0.382	mg/L	0.382	mg/L	95.56
		2/20/2004	9:42:23 AM			As 188.979	0.375	mg/L	0.375	mg/L	93.77
		2/20/2004	9:42:23 AM			Be 313.107	0.369	mg/L	0.369	mg/L	92.14
		2/20/2004	9:42:23 AM			Co 228.616	0.35	mg/L	0.35	mg/L	87.51
		2/20/2004	9:42:23 AM			Cd 228.802	0.356	mg/L	0.356	mg/L	89.00
		2/20/2004	9:42:23 AM			Cr 267.716	0.361	mg/L	0.361	mg/L	90.35
		2/20/2004	9:42:23 AM			Ni 231.604	0.385	mg/L	0.385	mg/L	96.35
		2/20/2004	9:42:23 AM			Pb 220.353	0.33	mg/L	0.33	mg/L	82.52
		2/20/2004	9:42:23 AM			Se 196.026	0.357	mg/L	0.357	mg/L	89.30
		2/20/2004	9:42:23 AM			Zn 213.857	0.342	mg/L	0.342	mg/L	85.51

Sample ID	Sample Name	Date	Time	Initial Sample Wt	MDL	Analyte Name	Reported Conc (Calib)	Calib Units	Reported Conc (Samp)	Samp Units		QC Recovery
MP-04-163	Field Blank	2/20/2004	9:46:22 AM	1.004	1.99	Sb 206.836	-0.034	mg/L	ND	mg/kg		
		2/20/2004	9:46:22 AM	1.004		As 188.979	-0.019	mg/L	ND	mg/kg		
		2/20/2004	9:46:22 AM	1.004		Be 313.107	-0.02	mg/L	ND	mg/kg		
		2/20/2004	9:46:22 AM	1.004		Co 228.616	-0.018	mg/L	ND	mg/kg		
		2/20/2004	9:46:22 AM	1.004		Cd 228.802	-0.018	mg/L	ND	mg/kg		
		2/20/2004	9:46:22 AM	1.004		Cr 267.716	-0.017	mg/L	ND	mg/kg		
		2/20/2004	9:46:22 AM	1.004		Ni 231.604	-0.01	mg/L	ND	mg/kg		
		2/20/2004	9:46:22 AM	1.004		Pb 220.353	-0.013	mg/L	ND	mg/kg		
		2/20/2004	9:46:22 AM	1.004		Se 196.026	-0.011	mg/L	ND	mg/kg		
		2/20/2004	9:46:22 AM	1.004		Zn 213.857	-0.02	mg/L	ND	mg/kg		
MP-04-164	Field Blank Dup	2/20/2004	9:50:14 AM	1.034	1.93	Sb 206.836	-0.039	mg/L	ND	mg/kg		
		2/20/2004	9:50:14 AM	1.034		As 188.979	-0.023	mg/L	ND	mg/kg		
		2/20/2004	9:50:14 AM	1.034		Be 313.107	-0.02	mg/L	ND	mg/kg		
		2/20/2004	9:50:14 AM	1.034		Co 228.616	-0.018	mg/L	ND	mg/kg		
		2/20/2004	9:50:14 AM	1.034		Cd 228.802	-0.019	mg/L	ND	mg/kg		
		2/20/2004	9:50:14 AM	1.034		Cr 267.716	-0.017	mg/L	ND	mg/kg		
		2/20/2004	9:50:14 AM	1.034		Ni 231.604	-0.009	mg/L	ND	mg/kg		
		2/20/2004	9:50:14 AM	1.034		Pb 220.353	-0.014	mg/L	ND	mg/kg		
		2/20/2004	9:50:14 AM	1.034		Se 196.026	-0.015	mg/L	ND	mg/kg		
		2/20/2004	9:50:14 AM	1.034		Zn 213.857	-0.021	mg/L	ND	mg/kg		
MP-04-165	Influent 1 / 2	2/20/2004	9:54:08 AM	1.016	1.97	Sb 206.836	-0.045	mg/L	ND	mg/kg		
		2/20/2004	9:54:08 AM	1.016		As 188.979	-0.019	mg/L	ND	mg/kg		
		2/20/2004	9:54:08 AM	1.016		Be 313.107	-0.02	mg/L	ND	mg/kg		
		2/20/2004	9:54:08 AM	1.016		Co 228.616	-0.018	mg/L	ND	mg/kg		
		2/20/2004	9:54:08 AM	1.016		Cd 228.802	-0.019	mg/L	ND	mg/kg		
		2/20/2004	9:54:08 AM	1.016		Cr 267.716	-0.017	mg/L	ND	mg/kg		
		2/20/2004	9:54:08 AM	1.016		Ni 231.604	-0.009	mg/L	ND	mg/kg		
		2/20/2004	9:54:08 AM	1.016		Pb 220.353	-0.013	mg/L	ND	mg/kg		
		2/20/2004	9:54:08 AM	1.016		Se 196.026	-0.011	mg/L	ND	mg/kg		
		2/20/2004	9:54:08 AM	1.016		Zn 213.857	-0.018	mg/L	ND	mg/kg		
MP-04-166	Influent 1 / 2 Dup	2/20/2004	9:58:01 AM	1.034	1.93	Sb 206.836	-0.058	mg/L	ND	mg/kg		
		2/20/2004	9:58:01 AM	1.034		As 188.979	-0.02	mg/L	ND	mg/kg		
		2/20/2004	9:58:01 AM	1.034		Be 313.107	-0.02	mg/L	ND	mg/kg		
		2/20/2004	9:58:01 AM	1.034		Co 228.616	-0.017	mg/L	ND	mg/kg		
		2/20/2004	9:58:01 AM	1.034		Cd 228.802	-0.019	mg/L	ND	mg/kg		
		2/20/2004	9:58:01 AM	1.034		Cr 267.716	-0.017	mg/L	ND	mg/kg		
		2/20/2004	9:58:01 AM	1.034		Ni 231.604	-0.008	mg/L	ND	mg/kg		
		2/20/2004	9:58:01 AM	1.034		Pb 220.353	-0.013	mg/L	ND	mg/kg		
		2/20/2004	9:58:01 AM	1.034		Se 196.026	-0.018	mg/L	ND	mg/kg		
		2/20/2004	9:58:01 AM	1.034		Zn 213.857	-0.02	mg/L	ND	mg/kg		
MP-04-166 MS	Influent 1 / 2 Dup	2/20/2004	10:01:55 AM	1.034	1.93	Sb 206.836	0.918	mg/L	44.37	mg/kg		92%
		2/20/2004	10:01:55 AM	1.034		As 188.979	0.889	mg/L	42.98	mg/kg	Se low	89%
		2/20/2004	10:01:55 AM	1.034		Be 313.107	0.821	mg/L	39.7	mg/kg	recovery;	82%
		2/20/2004	10:01:55 AM	1.034		Co 228.616	0.738	mg/L	35.68	mg/kg	100 ppm std	74%
		2/20/2004	10:01:55 AM	1.034		Cd 228.802	0.747	mg/L	36.13	mg/kg	ok, appears	75%
		2/20/2004	10:01:55 AM	1.034		Cr 267.716	0.828	mg/L	40.05	mg/kg	to be	83%
		2/20/2004	10:01:55 AM	1.034		Ni 231.604	0.972	mg/L	47	mg/kg	sample	97%
		2/20/2004	10:01:55 AM	1.034		Pb 220.353	1.199	mg/L	58	mg/kg	matrix	120%
		2/20/2004	10:01:55 AM	1.034		Se 196.026	0.585	mg/L	28.31	mg/kg	problem	59%
		2/20/2004	10:01:55 AM	1.034		Zn 213.857	1.357	mg/L	65.62	mg/kg		136%
MP-04-177	Lab Blank	2/20/2004	10:05:54 AM	1.32	1.52	Sb 206.836	-0.06	mg/L	ND	mg/kg		
		2/20/2004	10:05:54 AM	1.32		As 188.979	-0.021	mg/L	ND	mg/kg		
		2/20/2004	10:05:54 AM	1.32		Be 313.107	-0.02	mg/L	ND	mg/kg		
		2/20/2004	10:05:54 AM	1.32		Co 228.616	-0.017	mg/L	ND	mg/kg		
		2/20/2004	10:05:54 AM	1.32		Cd 228.802	-0.019	mg/L	ND	mg/kg		
		2/20/2004	10:05:54 AM	1.32		Cr 267.716	-0.018	mg/L	ND	mg/kg		
		2/20/2004	10:05:54 AM	1.32		Ni 231.604	-0.008	mg/L	ND	mg/kg		
		2/20/2004	10:05:54 AM	1.32		Pb 220.353	-0.012	mg/L	ND	mg/kg		
		2/20/2004	10:05:54 AM	1.32		Se 196.026	-0.021	mg/L	ND	mg/kg		
		2/20/2004	10:05:54 AM	1.32		Zn 213.857	-0.021	mg/L	ND	mg/kg		
MP-04-167	Port 1A	2/20/2004	10:09:51 AM	1.08	1.85	Sb 206.836	-0.076	mg/L	ND	mg/kg		
		2/20/2004	10:09:51 AM	1.08		As 188.979	-0.02	mg/L	ND	mg/kg		
		2/20/2004	10:09:51 AM	1.08		Be 313.107	-0.02	mg/L	ND	mg/kg		
		2/20/2004	10:09:51 AM	1.08		Co 228.616	-0.018	mg/L	ND	mg/kg		
		2/20/2004	10:09:51 AM	1.08		Cd 228.802	-0.018	mg/L	ND	mg/kg		
		2/20/2004	10:09:51 AM	1.08		Cr 267.716	-0.018	mg/L	ND	mg/kg		
		2/20/2004	10:09:51 AM	1.08		Ni 231.604	-0.009	mg/L	ND	mg/kg		
		2/20/2004	10:09:51 AM	1.08		Pb 220.353	-0.013	mg/L	ND	mg/kg		
		2/20/2004	10:09:51 AM	1.08		Se 196.026	-0.011	mg/L	ND	mg/kg		
		2/20/2004	10:09:51 AM	1.08		Zn 213.857	-0.02	mg/L	ND	mg/kg		
MP-04-168	Port 1A Dup	2/20/2004	10:13:47 AM	1.02	1.96	Sb 206.836	-0.066	mg/L	ND	mg/kg		
		2/20/2004	10:13:47 AM	1.02		As 188.979	-0.022	mg/L	ND	mg/kg		
		2/20/2004	10:13:47 AM	1.02		Be 313.107	-0.02	mg/L	ND	mg/kg		
		2/20/2004	10:13:47 AM	1.02		Co 228.616	-0.018	mg/L	ND	mg/kg		
		2/20/2004	10:13:47 AM	1.02		Cd 228.802	-0.017	mg/L	ND	mg/kg		
		2/20/2004	10:13:47 AM	1.02		Cr 267.716	-0.017	mg/L	ND	mg/kg		
		2/20/2004	10:13:47 AM	1.02		Ni 231.604	-0.013	mg/L	ND	mg/kg		
		2/20/2004	10:13:47 AM	1.02		Pb 220.353	-0.013	mg/L	ND	mg/kg		
		2/20/2004	10:13:47 AM	1.02		Se 196.026	-0.011	mg/L	ND	mg/kg		
		2/20/2004	10:13:47 AM	1.02		Zn 213.857	-0.019	mg/L	ND	mg/kg		
MP-04-169	Port 4A	2/20/2004	10:17:43 AM	1.113	1.80	Sb 206.836	-0.074	mg/L	ND	mg/kg		
		2/20/2004	10:17:43 AM	1.113		As 188.979	-0.019	mg/L	ND	mg/kg		
		2/20/2004	10:17:43 AM	1.113		Be 313.107	-0.02	mg/L	ND	mg/kg		
		2/20/2004	10:17:43 AM	1.113		Co 228.616	-0.018	mg/L	ND	mg/kg		
		2/20/2004	10:17:43 AM	1.113		Cd 228.802	-0.018	mg/L	ND	mg/kg		
		2/20/2004	10:17:43 AM	1.113		Cr 267.716	-0.017	mg/L	ND	mg/kg		
		2/20/2004	10:17:43 AM	1.113		Ni 231.604	-0.011	mg/L	ND	mg/kg		
		2/20/2004	10:17:43 AM	1.113		Pb 220.353	-0.015	mg/L	ND	mg/kg		
		2/20/2004	10:17:43 AM	1.113		Se 196.026	-0.016	mg/L	ND	mg/kg		
		2/20/2004	10:17:43 AM	1.113		Zn 213.857	-0.017	mg/L	ND	mg/kg		

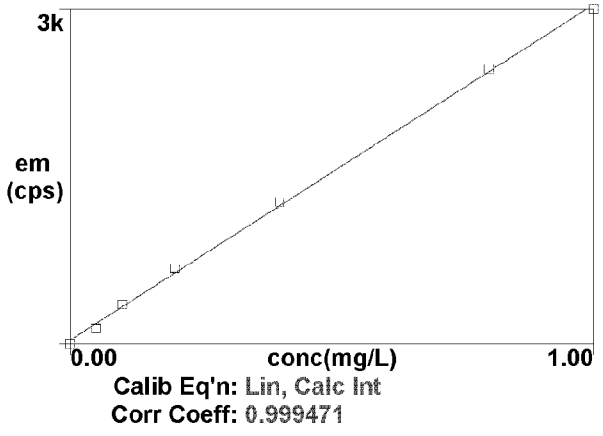
CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Sample ID	Sample Name	Date	Time	Initial Sample Wt	MDL	Analyte Name	Reported Conc (Calib)	Calib Units	Reported Conc (Samp)	Samp Units		QC Recovery
0.4ppm		2/20/2004	10:21:39 AM			Sb 206.836	0.342	mg/L	0.342	mg/L		85.62
		2/20/2004	10:21:39 AM			As 188.979	0.353	mg/L	0.353	mg/L		88.35
		2/20/2004	10:21:39 AM			Be 313.107	0.359	mg/L	0.359	mg/L		89.73
		2/20/2004	10:21:39 AM			Co 228.616	0.324	mg/L	0.324	mg/L		80.88
		2/20/2004	10:21:39 AM			Cd 228.802	0.33	mg/L	0.33	mg/L		82.62
		2/20/2004	10:21:39 AM			Cr 267.716	0.352	mg/L	0.352	mg/L		87.95
		2/20/2004	10:21:39 AM			Ni 231.604	0.373	mg/L	0.373	mg/L		93.20
		2/20/2004	10:21:39 AM			Pb 220.353	0.316	mg/L	0.316	mg/L		79.06
		2/20/2004	10:21:39 AM			Se 196.026	0.332	mg/L	0.332	mg/L		83.04
		2/20/2004	10:21:39 AM			Zn 213.857	0.328	mg/L	0.328	mg/L		81.90
MP-04-170	Port 4A Dup	2/20/2004	10:25:37 AM	1.182	1.69	Sb 206.836	-0.153	mg/L	ND	mg/kg		
		2/20/2004	10:25:37 AM	1.182		As 188.979	-0.03	mg/L	ND	mg/kg		
		2/20/2004	10:25:37 AM	1.182		Be 313.107	-0.02	mg/L	ND	mg/kg		
		2/20/2004	10:25:37 AM	1.182		Co 228.616	-0.018	mg/L	ND	mg/kg		
		2/20/2004	10:25:37 AM	1.182		Cd 228.802	-0.017	mg/L	ND	mg/kg		
		2/20/2004	10:25:37 AM	1.182		Cr 267.716	-0.017	mg/L	ND	mg/kg		
		2/20/2004	10:25:37 AM	1.182		Ni 231.604	-0.018	mg/L	ND	mg/kg		
		2/20/2004	10:25:37 AM	1.182		Pb 220.353	-0.021	mg/L	ND	mg/kg		
		2/20/2004	10:25:37 AM	1.182		Se 196.026	-0.012	mg/L	ND	mg/kg		
		2/20/2004	10:25:37 AM	1.182		Zn 213.857	-0.021	mg/L	ND	mg/kg		
MP-04-171	Effluent 1	2/20/2004	10:29:35 AM	1.064	1.88	Sb 206.836	-0.069	mg/L	ND	mg/kg		
		2/20/2004	10:29:35 AM	1.064		As 188.979	-0.02	mg/L	ND	mg/kg		
		2/20/2004	10:29:35 AM	1.064		Be 313.107	-0.02	mg/L	ND	mg/kg		
		2/20/2004	10:29:35 AM	1.064		Co 228.616	-0.016	mg/L	ND	mg/kg		
		2/20/2004	10:29:35 AM	1.064		Cd 228.802	-0.014	mg/L	ND	mg/kg		
		2/20/2004	10:29:35 AM	1.064		Cr 267.716	-0.018	mg/L	ND	mg/kg		
		2/20/2004	10:29:35 AM	1.064		Ni 231.604	-0.025	mg/L	ND	mg/kg		
		2/20/2004	10:29:35 AM	1.064		Pb 220.353	-0.021	mg/L	ND	mg/kg		
		2/20/2004	10:29:35 AM	1.064		Se 196.026	-0.012	mg/L	ND	mg/kg		
		2/20/2004	10:29:35 AM	1.064		Zn 213.857	-0.016	mg/L	ND	mg/kg		
MP-04-172	Effluent 1 Dup	2/20/2004	10:33:34 AM	1.07	1.87	Sb 206.836	-0.059	mg/L	ND	mg/kg		
		2/20/2004	10:33:34 AM	1.07		As 188.979	-0.015	mg/L	ND	mg/kg		
		2/20/2004	10:33:34 AM	1.07		Be 313.107	-0.02	mg/L	ND	mg/kg		
		2/20/2004	10:33:34 AM	1.07		Co 228.616	-0.015	mg/L	ND	mg/kg		
		2/20/2004	10:33:34 AM	1.07		Cd 228.802	-0.012	mg/L	ND	mg/kg		
		2/20/2004	10:33:34 AM	1.07		Cr 267.716	-0.018	mg/L	ND	mg/kg		
		2/20/2004	10:33:34 AM	1.07		Ni 231.604	-0.028	mg/L	ND	mg/kg		
		2/20/2004	10:33:34 AM	1.07		Pb 220.353	-0.023	mg/L	ND	mg/kg		
		2/20/2004	10:33:34 AM	1.07		Se 196.026	-0.011	mg/L	ND	mg/kg		
		2/20/2004	10:33:34 AM	1.07		Zn 213.857	-0.013	mg/L	ND	mg/kg		
MP-04-173	Effluent 4	2/20/2004	10:37:33 AM	1.055	1.90	Sb 206.836	-0.072	mg/L	ND	mg/kg		
		2/20/2004	10:37:33 AM	1.055		As 188.979	-0.013	mg/L	ND	mg/kg		
		2/20/2004	10:37:33 AM	1.055		Be 313.107	-0.02	mg/L	ND	mg/kg		
		2/20/2004	10:37:33 AM	1.055		Co 228.616	-0.011	mg/L	ND	mg/kg		
		2/20/2004	10:37:33 AM	1.055		Cd 228.802	-0.01	mg/L	ND	mg/kg		
		2/20/2004	10:37:33 AM	1.055		Cr 267.716	-0.02	mg/L	ND	mg/kg		
		2/20/2004	10:37:33 AM	1.055		Ni 231.604	-0.029	mg/L	ND	mg/kg		
		2/20/2004	10:37:33 AM	1.055		Pb 220.353	-0.031	mg/L	ND	mg/kg		
		2/20/2004	10:37:33 AM	1.055		Se 196.026	-0.003	mg/L	ND	mg/kg		
		2/20/2004	10:37:33 AM	1.055		Zn 213.857	-0.012	mg/L	ND	mg/kg		
MP-04-174	Effluent 4 Dup	2/20/2004	10:41:33 AM	1.09	1.83	Sb 206.836	-0.057	mg/L	ND	mg/kg		
		2/20/2004	10:41:33 AM	1.09		As 188.979	-0.012	mg/L	ND	mg/kg		
		2/20/2004	10:41:33 AM	1.09		Be 313.107	-0.02	mg/L	ND	mg/kg		
		2/20/2004	10:41:33 AM	1.09		Co 228.616	-0.009	mg/L	ND	mg/kg		
		2/20/2004	10:41:33 AM	1.09		Cd 228.802	-0.009	mg/L	ND	mg/kg		
		2/20/2004	10:41:33 AM	1.09		Cr 267.716	-0.022	mg/L	ND	mg/kg		
		2/20/2004	10:41:33 AM	1.09		Ni 231.604	-0.026	mg/L	ND	mg/kg		
		2/20/2004	10:41:33 AM	1.09		Pb 220.353	-0.04	mg/L	ND	mg/kg		
		2/20/2004	10:41:33 AM	1.09		Se 196.026	0.012	mg/L	ND	mg/kg		
		2/20/2004	10:41:33 AM	1.09		Zn 213.857	-0.012	mg/L	ND	mg/kg		
MP-04-174 MS	Effluent 4 Dup	2/20/2004	10:45:33 AM	1.09	1.83	Sb 206.836	0.54	mg/L	24.77	mg/kg		54.00%
		2/20/2004	10:45:33 AM	1.09		As 188.979	0.533	mg/L	24.46	mg/kg	low	53.30%
		2/20/2004	10:45:33 AM	1.09		Be 313.107	0.618	mg/L	28.33	mg/kg	recovery;	61.80%
		2/20/2004	10:45:33 AM	1.09		Co 228.616	0.734	mg/L	33.66	mg/kg	100 ppm std	73.40%
		2/20/2004	10:45:33 AM	1.09		Cd 228.802	0.761	mg/L	34.9	mg/kg	ok, appears	76.10%
		2/20/2004	10:45:33 AM	1.09		Cr 267.716	0.725	mg/L	33.24	mg/kg	to be	72.50%
		2/20/2004	10:45:33 AM	1.09		Ni 231.604	0.684	mg/L	31.36	mg/kg	sample	68.40%
		2/20/2004	10:45:33 AM	1.09		Pb 220.353	0.802	mg/L	36.8	mg/kg	matrix	80.20%
		2/20/2004	10:45:33 AM	1.09		Se 196.026	0.675	mg/L	30.96	mg/kg	problem	67.50%
		2/20/2004	10:45:33 AM	1.09		Zn 213.857	0.958	mg/L	43.96	mg/kg		95.80%
MP-04-178	Lab Blank Dup	2/20/2004	10:49:31 AM	1.096	1.82	Sb 206.836	-0.048	mg/L	ND	mg/kg		
		2/20/2004	10:49:31 AM	1.096		As 188.979	-0.005	mg/L	ND	mg/kg		
		2/20/2004	10:49:31 AM	1.096		Be 313.107	-0.022	mg/L	ND	mg/kg		
		2/20/2004	10:49:31 AM	1.096		Co 228.616	-0.004	mg/L	ND	mg/kg		
		2/20/2004	10:49:31 AM	1.096		Cd 228.802	-0.007	mg/L	ND	mg/kg		
		2/20/2004	10:49:31 AM	1.096		Cr 267.716	-0.026	mg/L	ND	mg/kg		
		2/20/2004	10:49:31 AM	1.096		Ni 231.604	-0.008	mg/L	ND	mg/kg		
		2/20/2004	10:49:31 AM	1.096		Pb 220.353	-0.067	mg/L	ND	mg/kg		
		2/20/2004	10:49:31 AM	1.096		Se 196.026	0.025	mg/L	ND	mg/kg		
		2/20/2004	10:49:31 AM	1.096		Zn 213.857	-0.011	mg/L	ND	mg/kg		

Sample ID	Sample Name	Date	Time	Initial Sample Wt	MDL	Analyte Name	Reported Conc (Calib)	Calib Units	Reported Conc (Samp)	Samp Units	QC Recovery
MP-04-175	Comb Effluent	2/20/2004	10:57:27 AM	1.178	1.70	Sb 206.836	-0.051	mg/L	ND	mg/kg	
		2/20/2004	10:57:27 AM	1.178		As 188.979	-0.01	mg/L	ND	mg/kg	
		2/20/2004	10:57:27 AM	1.178		Be 313.107	-0.022	mg/L	ND	mg/kg	
		2/20/2004	10:57:27 AM	1.178		Co 228.616	-0.003	mg/L	ND	mg/kg	
		2/20/2004	10:57:27 AM	1.178		Cd 228.802	-0.008	mg/L	ND	mg/kg	
		2/20/2004	10:57:27 AM	1.178		Cr 267.716	-0.026	mg/L	ND	mg/kg	
		2/20/2004	10:57:27 AM	1.178		Ni 231.604	-0.001	mg/L	ND	mg/kg	
		2/20/2004	10:57:27 AM	1.178		Pb 220.353	-0.075	mg/L	ND	mg/kg	
		2/20/2004	10:57:27 AM	1.178		Se 196.026	0.028	mg/L	ND	mg/kg	
		2/20/2004	10:57:27 AM	1.178		Zn 213.857	-0.012	mg/L	ND	mg/kg	
0.4ppm		2/20/2004	11:26:32 AM			Sb 206.836	0.436	mg/L	0.436	mg/L	108.98
		2/20/2004	11:26:32 AM			As 188.979	0.415	mg/L	0.415	mg/L	103.87
		2/20/2004	11:26:32 AM			Be 313.107	0.433	mg/L	0.433	mg/L	108.19
		2/20/2004	11:26:32 AM			Co 228.616	0.456	mg/L	0.456	mg/L	114.12
		2/20/2004	11:26:32 AM			Cd 228.802	0.458	mg/L	0.458	mg/L	114.51
		2/20/2004	11:26:32 AM			Cr 267.716	0.434	mg/L	0.434	mg/L	108.54
		2/20/2004	11:26:32 AM			Ni 231.604	0.398	mg/L	0.398	mg/L	99.50
		2/20/2004	11:26:32 AM			Pb 220.353	0.412	mg/L	0.412	mg/L	103.06
		2/20/2004	11:26:32 AM			Se 196.026	0.464	mg/L	0.464	mg/L	115.97
		2/20/2004	11:26:32 AM			Zn 213.857	0.452	mg/L	0.452	mg/L	113.03
MP-04-176	Comb Effluent Dup	2/20/2004	11:30:42 AM	1.274	1.57	Sb 206.836	-0.031	mg/L	ND	mg/kg	
		2/20/2004	11:30:42 AM	1.274		As 188.979	-0.014	mg/L	ND	mg/kg	
		2/20/2004	11:30:42 AM	1.274		Be 313.107	-0.02	mg/L	ND	mg/kg	
		2/20/2004	11:30:42 AM	1.274		Co 228.616	-0.012	mg/L	ND	mg/kg	
		2/20/2004	11:30:42 AM	1.274		Cd 228.802	-0.011	mg/L	ND	mg/kg	
		2/20/2004	11:30:42 AM	1.274		Cr 267.716	-0.019	mg/L	ND	mg/kg	
		2/20/2004	11:30:42 AM	1.274		Ni 231.604	-0.029	mg/L	ND	mg/kg	
		2/20/2004	11:30:42 AM	1.274		Pb 220.353	-0.027	mg/L	ND	mg/kg	
		2/20/2004	11:30:42 AM	1.274		Se 196.026	-0.009	mg/L	ND	mg/kg	
		2/20/2004	11:30:42 AM	1.274		Zn 213.857	-0.011	mg/L	ND	mg/kg	
MP-04-177	Lab Blank	2/20/2004	11:34:37 AM	1.32	1.52	Sb 206.836	-0.038	mg/L	ND	mg/kg	
		2/20/2004	11:34:37 AM	1.32		As 188.979	-0.013	mg/L	ND	mg/kg	
		2/20/2004	11:34:37 AM	1.32		Be 313.107	-0.02	mg/L	ND	mg/kg	
		2/20/2004	11:34:37 AM	1.32		Co 228.616	-0.014	mg/L	ND	mg/kg	
		2/20/2004	11:34:37 AM	1.32		Cd 228.802	-0.012	mg/L	ND	mg/kg	
		2/20/2004	11:34:37 AM	1.32		Cr 267.716	-0.018	mg/L	ND	mg/kg	
		2/20/2004	11:34:37 AM	1.32		Ni 231.604	-0.028	mg/L	ND	mg/kg	
		2/20/2004	11:34:37 AM	1.32		Pb 220.353	-0.024	mg/L	ND	mg/kg	
		2/20/2004	11:34:37 AM	1.32		Se 196.026	-0.002	mg/L	ND	mg/kg	
		2/20/2004	11:34:37 AM	1.32		Zn 213.857	-0.012	mg/L	ND	mg/kg	
MP-04-180	100 ppm Check	2/20/2004	11:38:34 AM	0.622	3.22	Sb 206.836	1.003	mg/L	80.59	mg/kg	81%
		2/20/2004	11:38:34 AM	0.622		As 188.979	1.26	mg/L	101.3	mg/kg	101%
		2/20/2004	11:38:34 AM	0.622		Be 313.107	1.279	mg/L	102.8	mg/kg	103%
		2/20/2004	11:38:34 AM	0.622		Co 228.616	1.304	mg/L	104.8	mg/kg	105%
		2/20/2004	11:38:34 AM	0.622		Cd 228.802	1.277	mg/L	102.7	mg/kg	103%
		2/20/2004	11:38:34 AM	0.622		Cr 267.716	1.302	mg/L	104.6	mg/kg	105%
		2/20/2004	11:38:34 AM	0.622		Ni 231.604	1.285	mg/L	103.3	mg/kg	103%
		2/20/2004	11:38:34 AM	0.622		Pb 220.353	1.334	mg/L	107.2	mg/kg	107%
		2/20/2004	11:38:34 AM	0.622		Se 196.026	1.312	mg/L	105.5	mg/kg	106%
		2/20/2004	11:38:34 AM	0.622		Zn 213.857	1.399	mg/L	112.5	mg/kg	113%
0.4ppm		2/20/2004	11:42:37 AM			Sb 206.836	0.336	mg/L	0.336	mg/L	84.06
		2/20/2004	11:42:37 AM			As 188.979	0.427	mg/L	0.427	mg/L	106.86
		2/20/2004	11:42:37 AM			Be 313.107	0.441	mg/L	0.441	mg/L	110.15
		2/20/2004	11:42:37 AM			Co 228.616	0.443	mg/L	0.443	mg/L	110.80
		2/20/2004	11:42:37 AM			Cd 228.802	0.442	mg/L	0.442	mg/L	110.46
		2/20/2004	11:42:37 AM			Cr 267.716	0.437	mg/L	0.437	mg/L	109.22
		2/20/2004	11:42:37 AM			Ni 231.604	0.408	mg/L	0.408	mg/L	101.94
		2/20/2004	11:42:37 AM			Pb 220.353	0.424	mg/L	0.424	mg/L	105.96
		2/20/2004	11:42:37 AM			Se 196.026	0.448	mg/L	0.448	mg/L	112.00
		2/20/2004	11:42:37 AM			Zn 213.857	0.451	mg/L	0.451	mg/L	112.64

Method: WWTP Scan
Result: CG WWTP Carbon Study Event 1 E04-0120 no digest

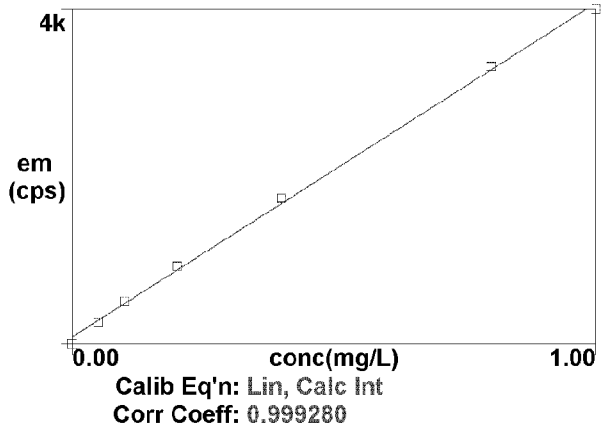
Sb 206.836



Calib Eq'n: Lin, Calc Int
Corr Coeff: 0.999471

1

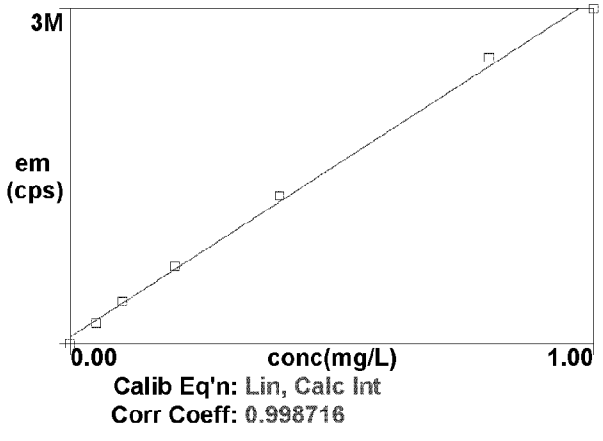
As 188.979



Calib Eq'n: Lin, Calc Int
Corr Coeff: 0.999280

2

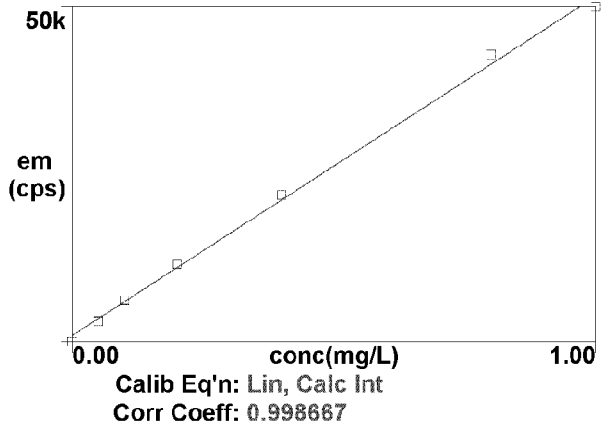
Be 313.107



Calib Eq'n: Lin, Calc Int
Corr Coeff: 0.998716

3

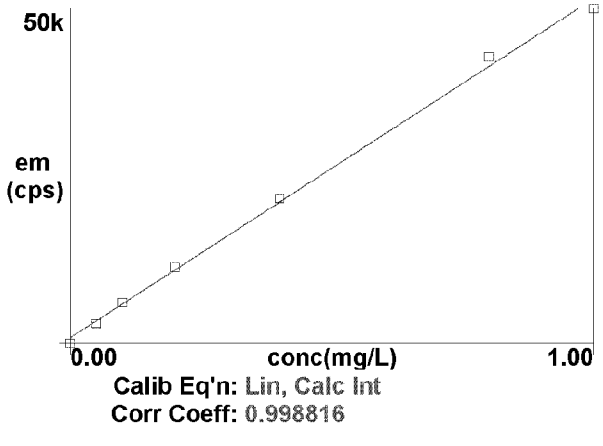
Co 228.616



Calib Eq'n: Lin, Calc Int
Corr Coeff: 0.998667

4

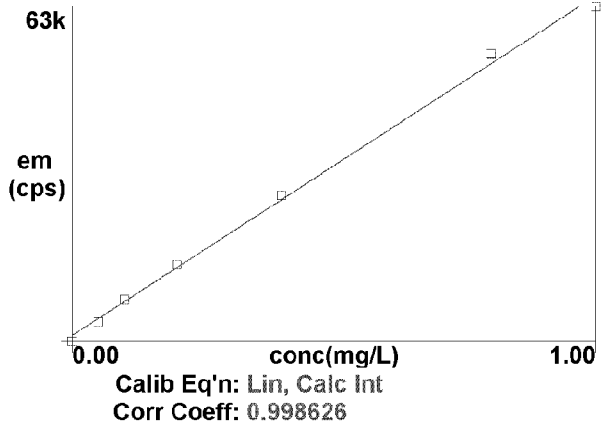
Cd 228.802



Calib Eq'n: Lin, Calc Int
Corr Coeff: 0.998816

5

Cr 267.716



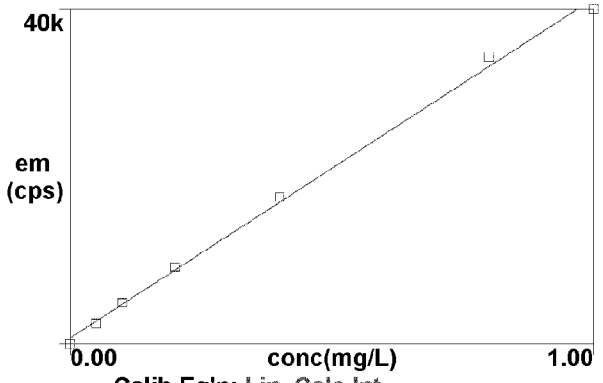
Calib Eq'n: Lin, Calc Int
Corr Coeff: 0.998626

6

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Method: WWTP Scan
Result: CG WWTP Carbon Study Event 1 E04-0120 no digest

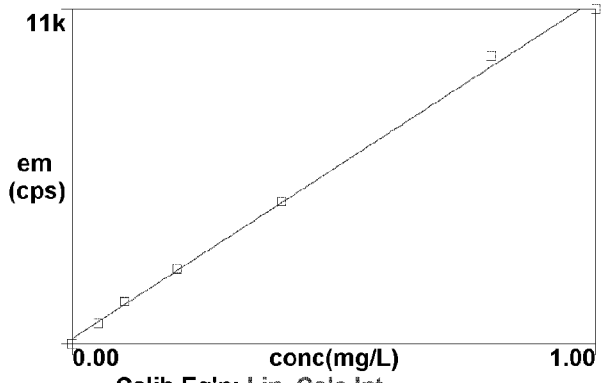
Ni 231.604



Calib Eq'n: Lin, Calc Int
Corr Coeff: 0.998682

7

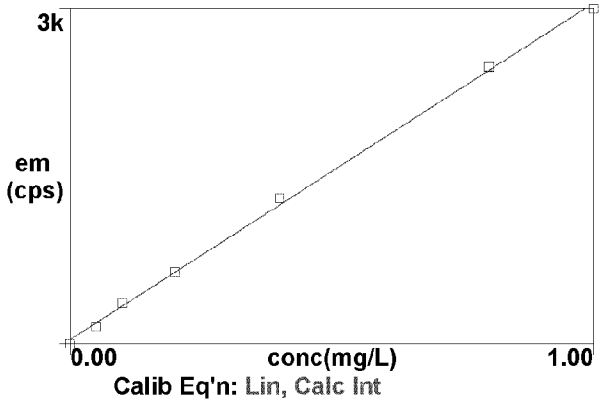
Pb 220.353



Calib Eq'n: Lin, Calc Int
Corr Coeff: 0.998711

8

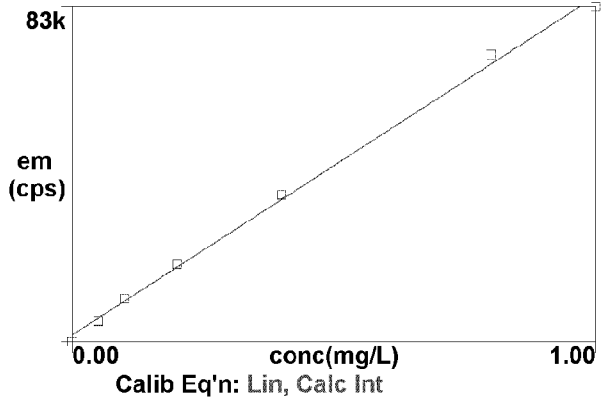
Se 196.026



Calib Eq'n: Lin, Calc Int
Corr Coeff: 0.999376

9

Zn 213.857



Calib Eq'n: Lin, Calc Int
Corr Coeff: 0.998611

10

CONFIDENTIAL - SUBJECT TO A PROTECTIVE ORDER ENTERED IN HENNEPIN COUNTY DISTRICT COURT, NO. 27-CV-10-28862

Sample ID	Date	Time	Initial Sample Wt	Analyte Name	Reported Conc (Calib)	Calib Units	Reported Conc (Samp)	Samp Units	QC Recovery
	2/23/2004	10:59:35 AM		Sb 206.836	0.365	mg/L	0.365	mg/L	91.19
	2/23/2004	10:59:35 AM		As 188.979	0.357	mg/L	0.357	mg/L	89.29
	2/23/2004	10:59:35 AM		Be 313.107	0.363	mg/L	0.363	mg/L	90.69
	2/23/2004	10:59:35 AM		Co 228.616	0.359	mg/L	0.359	mg/L	89.78
	2/23/2004	10:59:35 AM		Cd 228.802	0.358	mg/L	0.358	mg/L	89.54
0.4ppm	2/23/2004	10:59:35 AM		Cr 267.716	0.36	mg/L	0.36	mg/L	89.89
	2/23/2004	10:59:35 AM		Ni 231.604	0.358	mg/L	0.358	mg/L	89.57
	2/23/2004	10:59:35 AM		Pb 220.353	0.354	mg/L	0.354	mg/L	88.38
	2/23/2004	10:59:35 AM		Se 196.026	0.367	mg/L	0.367	mg/L	91.67
	2/23/2004	10:59:35 AM		Zn 213.857	0.361	mg/L	0.361	mg/L	90.27
	2/23/2004	11:03:33 AM		Sb 206.836	0.055	mg/L		mg/kg	
	2/23/2004	11:03:33 AM		As 188.979	ND	mg/L		mg/kg	
	2/23/2004	11:03:33 AM		Be 313.107	ND	mg/L		mg/kg	
	2/23/2004	11:03:33 AM		Co 228.616	ND	mg/L		mg/kg	
	2/23/2004	11:03:33 AM		Cd 228.802	ND	mg/L		mg/kg	
Inf 1/2	2/23/2004	11:03:33 AM	100%	Cr 267.716	0.048	mg/L		mg/kg	
	2/23/2004	11:03:33 AM		Ni 231.604	ND	mg/L		mg/kg	
	2/23/2004	11:03:33 AM		Pb 220.353	ND	mg/L		mg/kg	
	2/23/2004	11:03:33 AM		Se 196.026	ND	mg/L		mg/kg	
	2/23/2004	11:03:33 AM		Zn 213.857	ND	mg/L		mg/kg	
	2/23/2004	11:07:27 AM		Sb 206.836	ND	mg/L		mg/kg	
	2/23/2004	11:07:27 AM		As 188.979	ND	mg/L		mg/kg	
	2/23/2004	11:07:27 AM		Be 313.107	ND	mg/L		mg/kg	
	2/23/2004	11:07:27 AM		Co 228.616	ND	mg/L		mg/kg	
	2/23/2004	11:07:27 AM		Cd 228.802	ND	mg/L		mg/kg	
Field Blank	2/23/2004	11:07:27 AM	100%	Cr 267.716	ND	mg/L		mg/kg	
	2/23/2004	11:07:27 AM		Ni 231.604	ND	mg/L		mg/kg	
	2/23/2004	11:07:27 AM		Pb 220.353	ND	mg/L		mg/kg	
	2/23/2004	11:07:27 AM		Se 196.026	ND	mg/L		mg/kg	
	2/23/2004	11:07:27 AM		Zn 213.857	ND	mg/L		mg/kg	
	2/23/2004	11:11:22 AM		Sb 206.836	0.054	mg/L		mg/kg	
	2/23/2004	11:11:22 AM		As 188.979	ND	mg/L		mg/kg	
	2/23/2004	11:11:22 AM		Be 313.107	ND	mg/L		mg/kg	
	2/23/2004	11:11:22 AM		Co 228.616	ND	mg/L		mg/kg	
	2/23/2004	11:11:22 AM		Cd 228.802	ND	mg/L		mg/kg	
Comb 1 / 2	2/23/2004	11:11:22 AM	100%	Cr 267.716	ND	mg/L		mg/kg	
	2/23/2004	11:11:22 AM		Ni 231.604	ND	mg/L		mg/kg	
	2/23/2004	11:11:22 AM		Pb 220.353	ND	mg/L		mg/kg	
	2/23/2004	11:11:22 AM		Se 196.026	ND	mg/L		mg/kg	
	2/23/2004	11:11:22 AM		Zn 213.857	ND	mg/L		mg/kg	
	2/23/2004	11:15:17 AM		Sb 206.836	0.048	mg/L		mg/kg	
	2/23/2004	11:15:17 AM		As 188.979	ND	mg/L		mg/kg	
	2/23/2004	11:15:17 AM		Be 313.107	ND	mg/L		mg/kg	
	2/23/2004	11:15:17 AM		Co 228.616	ND	mg/L		mg/kg	
	2/23/2004	11:15:17 AM		Cd 228.802	ND	mg/L		mg/kg	
Port 4A	2/23/2004	11:15:17 AM	100%	Cr 267.716	ND	mg/L		mg/kg	
	2/23/2004	11:15:17 AM		Ni 231.604	ND	mg/L		mg/kg	
	2/23/2004	11:15:17 AM		Pb 220.353	ND	mg/L		mg/kg	
	2/23/2004	11:15:17 AM		Se 196.026	ND	mg/L		mg/kg	
	2/23/2004	11:15:17 AM		Zn 213.857	ND	mg/L		mg/kg	
	2/23/2004	11:19:12 AM		Sb 206.836	1.243	mg/L		mg/kg	124%
	2/23/2004	11:19:12 AM		As 188.979	1.23	mg/L	MS	mg/kg	123%
	2/23/2004	11:19:12 AM		Be 313.107	1.196	mg/L	recovery	mg/kg	120%
	2/23/2004	11:19:12 AM		Co 228.616	1.134	mg/L	high for zinc,	mg/kg	113%
	2/23/2004	11:19:12 AM		Cd 228.802	1.173	mg/L	100 ppm std	mg/kg	117%
Port 4A MS	2/23/2004	11:19:12 AM	100%	Cr 267.716	1.176	mg/L	check ok,	mg/kg	118%
	2/23/2004	11:19:12 AM		Ni 231.604	1.292	mg/L	possible	mg/kg	129%
	2/23/2004	11:19:12 AM		Pb 220.353	1.451	mg/L	matrix	mg/kg	145%
	2/23/2004	11:19:12 AM		Se 196.026	1.01	mg/L	interference	mg/kg	101%
	2/23/2004	11:19:12 AM		Zn 213.857	3.013	mg/L		mg/kg	301%
	2/23/2004	11:23:15 AM		Sb 206.836	ND	mg/L		mg/kg	
	2/23/2004	11:23:15 AM		As 188.979	ND	mg/L		mg/kg	
	2/23/2004	11:23:15 AM		Be 313.107	ND	mg/L		mg/kg	
	2/23/2004	11:23:15 AM		Co 228.616	ND	mg/L		mg/kg	
	2/23/2004	11:23:15 AM		Cd 228.802	ND	mg/L		mg/kg	
Lab Blank	2/23/2004	11:23:15 AM	100%	Cr 267.716	ND	mg/L		mg/kg	
	2/23/2004	11:23:15 AM		Ni 231.604	ND	mg/L		mg/kg	
	2/23/2004	11:23:15 AM		Pb 220.353	ND	mg/L		mg/kg	
	2/23/2004	11:23:15 AM		Se 196.026	ND	mg/L		mg/kg	
	2/23/2004	11:23:15 AM		Zn 213.857	ND	mg/L		mg/kg	

Sample ID	Date	Time	Initial Sample Wt	Analyte Name	Reported Conc (Calib)	Calib Units	Reported Conc (Samp)	Samp Units	QC Recovery
	2/23/2004	11:27:12 AM		Sb 206.836	0.05	mg/L		mg/kg	
	2/23/2004	11:27:12 AM		As 188.979	ND	mg/L		mg/kg	
	2/23/2004	11:27:12 AM		Be 313.107	ND	mg/L		mg/kg	
	2/23/2004	11:27:12 AM		Co 228.616	ND	mg/L		mg/kg	
1 Eff	2/23/2004	11:27:12 AM	100%	Cd 228.802	ND	mg/L		mg/kg	
	2/23/2004	11:27:12 AM		Cr 267.716	ND	mg/L		mg/kg	
	2/23/2004	11:27:12 AM		Ni 231.604	ND	mg/L		mg/kg	
	2/23/2004	11:27:12 AM		Pb 220.353	ND	mg/L		mg/kg	
	2/23/2004	11:27:12 AM		Se 196.026	ND	mg/L		mg/kg	
	2/23/2004	11:27:12 AM		Zn 213.857	ND	mg/L		mg/kg	
	2/23/2004	11:31:09 AM		Sb 206.836	0.049	mg/L		mg/kg	
	2/23/2004	11:31:09 AM		As 188.979	ND	mg/L		mg/kg	
	2/23/2004	11:31:09 AM		Be 313.107	ND	mg/L		mg/kg	
	2/23/2004	11:31:09 AM		Co 228.616	ND	mg/L		mg/kg	
Eff 4	2/23/2004	11:31:09 AM	100%	Cd 228.802	ND	mg/L		mg/kg	
	2/23/2004	11:31:09 AM		Cr 267.716	ND	mg/L		mg/kg	
	2/23/2004	11:31:09 AM		Ni 231.604	ND	mg/L		mg/kg	
	2/23/2004	11:31:09 AM		Pb 220.353	ND	mg/L		mg/kg	
	2/23/2004	11:31:09 AM		Se 196.026	ND	mg/L		mg/kg	
	2/23/2004	11:31:09 AM		Zn 213.857	ND	mg/L		mg/kg	
	2/23/2004	11:35:06 AM		Sb 206.836	0.05	mg/L		mg/kg	
	2/23/2004	11:35:06 AM		As 188.979	ND	mg/L		mg/kg	
	2/23/2004	11:35:06 AM		Be 313.107	ND	mg/L		mg/kg	
	2/23/2004	11:35:06 AM		Co 228.616	ND	mg/L		mg/kg	
Port 1A	2/23/2004	11:35:06 AM	100%	Cd 228.802	ND	mg/L		mg/kg	
	2/23/2004	11:35:06 AM		Cr 267.716	ND	mg/L		mg/kg	
	2/23/2004	11:35:06 AM		Ni 231.604	ND	mg/L		mg/kg	
	2/23/2004	11:35:06 AM		Pb 220.353	ND	mg/L		mg/kg	
	2/23/2004	11:35:06 AM		Se 196.026	ND	mg/L		mg/kg	
	2/23/2004	11:35:06 AM		Zn 213.857	ND	mg/L		mg/kg	
	2/23/2004	11:39:04 AM		Sb 206.836	0.336	mg/L	0.336	mg/L	84.03
	2/23/2004	11:39:04 AM		As 188.979	0.327	mg/L	0.327	mg/L	81.75
	2/23/2004	11:39:04 AM		Be 313.107	0.336	mg/L	0.336	mg/L	84.08
	2/23/2004	11:39:04 AM		Co 228.616	0.332	mg/L	0.332	mg/L	83.04
0.4ppm	2/23/2004	11:39:04 AM		Cd 228.802	0.334	mg/L	0.334	mg/L	83.58
	2/23/2004	11:39:04 AM		Cr 267.716	0.332	mg/L	0.332	mg/L	83.07
	2/23/2004	11:39:04 AM		Ni 231.604	0.332	mg/L	0.332	mg/L	82.97
	2/23/2004	11:39:04 AM		Pb 220.353	0.325	mg/L	0.325	mg/L	81.15
	2/23/2004	11:39:04 AM		Se 196.026	0.336	mg/L	0.336	mg/L	84.07
	2/23/2004	11:39:04 AM		Zn 213.857	0.335	mg/L	0.335	mg/L	83.63
	2/23/2004	11:43:02 AM		Sb 206.836	1.124	mg/L		mg/kg	112%
	2/23/2004	11:43:02 AM		As 188.979	1.097	mg/L	MS	mg/kg	110%
	2/23/2004	11:43:02 AM		Be 313.107	1.074	mg/L	recovery	mg/kg	107%
	2/23/2004	11:43:02 AM		Co 228.616	1.008	mg/L	high for zinc,	mg/kg	101%
Port 1A MS	2/23/2004	11:43:02 AM	100%	Cd 228.802	1.047	mg/L	100 ppm std	mg/kg	105%
	2/23/2004	11:43:02 AM		Cr 267.716	1.03	mg/L	check ok,	mg/kg	103%
	2/23/2004	11:43:02 AM		Ni 231.604	1.093	mg/L	possible	mg/kg	109%
	2/23/2004	11:43:02 AM		Pb 220.353	1.042	mg/L	matrix	mg/kg	104%
	2/23/2004	11:43:02 AM		Se 196.026	1.024	mg/L	interference	mg/kg	102%
	2/23/2004	11:43:02 AM		Zn 213.857	1.567	mg/L		mg/kg	157%
	2/23/2004	11:47:07 AM		Sb 206.836	ND	mg/L		mg/kg	
	2/23/2004	11:47:07 AM		As 188.979	ND	mg/L		mg/kg	
	2/23/2004	11:47:07 AM		Be 313.107	ND	mg/L		mg/kg	
	2/23/2004	11:47:07 AM		Co 228.616	ND	mg/L		mg/kg	
Field Blank	2/23/2004	11:47:07 AM	100%	Cd 228.802	ND	mg/L		mg/kg	
	2/23/2004	11:47:07 AM		Cr 267.716	ND	mg/L		mg/kg	
	2/23/2004	11:47:07 AM		Ni 231.604	ND	mg/L		mg/kg	
	2/23/2004	11:47:07 AM		Pb 220.353	ND	mg/L		mg/kg	
	2/23/2004	11:47:07 AM		Se 196.026	ND	mg/L		mg/kg	
	2/23/2004	11:47:07 AM		Zn 213.857	ND	mg/L		mg/kg	
	2/23/2004	11:51:07 AM		Sb 206.836	ND	mg/L	-0.197	mg/kg	
	2/23/2004	11:51:07 AM		As 188.979	ND	mg/L	-0.755	mg/kg	
	2/23/2004	11:51:07 AM		Be 313.107	ND	mg/L	-0.175	mg/kg	
	2/23/2004	11:51:07 AM		Co 228.616	ND	mg/L	-0.079	mg/kg	
Lab Blank	2/23/2004	11:51:07 AM	1.096	Cd 228.802	ND	mg/L	-0.016	mg/kg	
	2/23/2004	11:51:07 AM		Cr 267.716	ND	mg/L	-0.083	mg/kg	
	2/23/2004	11:51:07 AM		Ni 231.604	ND	mg/L	-0.183	mg/kg	
	2/23/2004	11:51:07 AM		Pb 220.353	ND	mg/L	-0.091	mg/kg	
	2/23/2004	11:51:07 AM		Se 196.026	ND	mg/L	-0.163	mg/kg	
	2/23/2004	11:51:07 AM		Zn 213.857	ND	mg/L	-0.199	mg/kg	

Sample ID	Date	Time	Initial Sample Wt	Analyte Name	Reported Conc (Calib)	Calib Units	Reported Conc (Samp)	Samp Units	QC Recovery
	2/23/2004	11:55:00 AM		Sb 206.836	0.329	mg/L	0.329	mg/L	82.16
	2/23/2004	11:55:00 AM		As 188.979	0.321	mg/L	0.321	mg/L	80.26
	2/23/2004	11:55:00 AM		Be 313.107	0.33	mg/L	0.33	mg/L	82.42
	2/23/2004	11:55:00 AM		Co 228.616	0.332	mg/L	0.332	mg/L	82.93
	2/23/2004	11:55:00 AM		Cd 228.802	0.335	mg/L	0.335	mg/L	83.67
	2/23/2004	11:55:00 AM		Cr 267.716	0.333	mg/L	0.333	mg/L	83.25
	2/23/2004	11:55:00 AM		Ni 231.604	0.332	mg/L	0.332	mg/L	82.88
	2/23/2004	11:55:00 AM		Pb 220.353	0.318	mg/L	0.318	mg/L	79.46
	2/23/2004	11:55:00 AM		Se 196.026	0.331	mg/L	0.331	mg/L	82.63
	2/23/2004	11:55:00 AM		Zn 213.857	0.336	mg/L	0.336	mg/L	83.97
0.4ppm	2/23/2004	11:57:23 AM		Sb 206.836	0.337	mg/L	0.337	mg/L	84.17
	2/23/2004	11:57:23 AM		As 188.979	0.325	mg/L	0.325	mg/L	81.33
	2/23/2004	11:57:23 AM		Be 313.107	0.336	mg/L	0.336	mg/L	83.96
	2/23/2004	11:57:23 AM		Co 228.616	0.335	mg/L	0.335	mg/L	83.82
	2/23/2004	11:57:23 AM		Cd 228.802	0.336	mg/L	0.336	mg/L	84.00
	2/23/2004	11:57:23 AM		Cr 267.716	0.336	mg/L	0.336	mg/L	83.88
	2/23/2004	11:57:23 AM		Ni 231.604	0.335	mg/L	0.335	mg/L	83.73
	2/23/2004	11:57:23 AM		Pb 220.353	0.326	mg/L	0.326	mg/L	81.45
	2/23/2004	11:57:23 AM		Se 196.026	0.338	mg/L	0.338	mg/L	84.48
	2/23/2004	11:57:23 AM		Zn 213.857	0.338	mg/L	0.338	mg/L	84.55