

Atmospheric Analysis & Consulting, Inc.

Client : SWAPE.
Client Project Name : Bridgeton Sanitary Landfill Air Quality Assessment
Client Project No. : NA
AAC Project No. : 130456
Reporting Date : 04/26/2013

On April 17 and 18, 2013, Atmospheric Analysis & Consulting, Inc. received five (5) Silica Gel Tubes for HCL analysis by NIOSH Method 7903. Upon receipt each sample was assigned a unique Laboratory ID number as follows:

Client Sample ID	AAC Sample ID
BZ-1-HCL	130456-62450
F-1-HCL	130456-62459
F-2-HCL	130456-62468
F-3-HCL	130456-62477
HCL Trip Blank	130456-62490


NIOSH 7903 Analysis – Up to a 5mL aliquot of the sample was injected into the DIONEX IC for analysis following NIOSH 7903 as specified in the SOW.

All sample values were blank corrected using the Trip Blank value for HCL. The Trip Blank value was calculated using a sample volume of 1.0Liter.

No other problems were encountered during receiving, preparation, and/or analysis of these samples. The test results included in this report meet all requirements of the NELAC Standards and/or AAC SOP# N.7903.02.

I certify that this data is technically accurate, complete and in compliance with the terms and conditions of the contract. The Laboratory Director or his designee, as verified by the following signature, has authorized the release of the data contained in this hardcopy data package.

If you have any questions or require further explanation of data results, please contact the undersigned.


Marcus Hueppe
Laboratory Director

This report consists of 40 pages.



LAC# 130456

CHAIN OF CUSTODY RECORD / ANALYTICAL REQUEST FORM

Amended

Bridgeton Sanitary Landfill Air Quality Assessment

Client Name: SOIL / WATER AIR PROTECTION ENTERPRISE
 Project Manager: PAUL ROSENFELD, PH.D.
 Address: 1640 FIFTH STREET, SUITE 204, SANTA MONICA, CA 90401

Telephone No. / Fax No.: (310) 434-0110 / (310) 434-0011

Requested Tests / Analyses

Requested Tests / Analyses

Date: 4/17/12 Page 1 of 4

Project Name and Location: BRIDGETON SANITARY LANDFILL AIR QUALITY ASSESSMENT
 Sampled By: [Signature] Sampler Signature:

VOCS - EPA TO-15	X
Reduced Sulfur Compounds - ASTM D5504	X
Carbonyls - EPA TO-11A	X
Carboxylic Acids - Tube GC-MS	X
HCL - NIOSH 7903	X
Ammonia - OSHA ID-188	X
SO2 - OSHA ID-200	X
HCN - NIOSH 6010	X
Amines - NIOSH 2010M	X
Fixed Gases - EPA 3C	X
PAHs / Dioxins EPA TO-13A / 9A	
Mercury - NIOSH 6009	
Odor Evaluation	

Special Instructions / Conditions of Receipt

LAB ID	SAMPLE ID NUMBER	Type	Date	Time	Requested Tests / Analyses	Special Instructions / Conditions of Receipt
62447	BZ-1 - Canister		4/16/12	15:48	X	1 SUMMONA
62448	- DMPH		4/16/12	15:50	X	1 TUBE
62449	- Ac:di		4/16/12	16:01	X	1 TUBE
62450	- HCL		4/16/12	16:02	X	1 TUBE
62451	- Ammonia		4/16/12	15:55	X	1 TUBE
62452	- SO2		4/16/12	16:00	X	1 TUBE
62453	- HCL		4/16/12	16:03	X	1 TUBE
62454	- Amines		4/16/12	15:54	X	1 TUBE
62455	- Mercury		4/16/12	15:58	X	1 TUBE

Requested Turnaround Time: Standard turn-around for all analyses. If possible deliver report within 2 weeks.

QC Requirements: Provide Level IV QC Package for all Analyses.

Relinquished By: [Signature]	Date: 4/17/12	Time:	Received By: [Signature]	Date: 4/17/12	Time:
Relinquished By: [Signature]	Date: 4/17/12	Time:	Received By: [Signature]	Date: 4/17/12	Time:
Relinquished By: [Signature]	Date: 4/17/12	Time:	Received By: [Signature]	Date: 4/17/12	Time:

SOIL / WATER / AIR PROTECTION ENTERPRISE

Date: 4/17/12 Time: 9:40

AA# 130456

Amended *

CHAIN OF CUSTODY RECORD / ANALYTICAL REQUEST FORM

Bridgeton Sanitary Landfill Air Quality Assessment

Client Name: SOIL / WATER AIR PROTECTION ENTERPRISE		Telephone No. / Fax No.: (310) 434-0110 / (310) 434-0011																		
Project Manager: PAUL ROSENFELD, PH.D.		REQUESTED TESTS / ANALYSES																		
Address: 1640 FIFTH STREET, SUITE 204, SANTA MONICA, CA 90401																				
Project Name and Location: BRIDGETON SANITARY LANDFILL AIR QUALITY ASSESSMENT		Special Instructions / Conditions of Receipt Date: 4/17/13 Page 2 of 4																		
Sampled By:	Sampler Signature:																			
LAB ID	SAMPLE ID NUMBER			Type	Date	Time	VOCS - EPA TO-15	Reduced Sulfur Compounds - ASTM D5504	Carbonyls - EPA TO-11A	Carboxylic Acids - Tube GC-MS	HCL - NIOSH 7903	Ammonia - OSHA ID-188	SO2 - OSHA ID-200	HCN - NIOSH 6010	Amines - NIOSH 2010M	Fixed Gases - EPA 3C	PAHs / Dioxins EPA TO-13A / 9A	Mercury - NIOSH 6009	Odor Evaluation	
62456	F-1 - Canister				4/16/13	13:12	X	X								X				1 SUMMRY
62457	- DRPH					13:36			X											1 TUBE
62458	- ACIDS					13:30				X										1 TUBE
62459	- HCL					13:34					X									1 TUBE
62460	- AMMONIA					13:28						X								1 TUBE
62461	- SO2					13:39							X							1 TUBE
62462	- HCN					13:22								X						1 TUBE
62463	- AMINES			13:17									X					1 TUBE		
62464	- MERCURY			13:24													X	1 TUBE		
Requested Turnaround Time: Standard turn-around for all analyses. If possible deliver report within 2 weeks.		QC Requirements: Provide Level IV QC Package for all Analyses.																		
Relinquished By:	Date: 4/17/13	Time:	Received By:	Date:	Time:															
Relinquished By:	Date:	Time:	Received By:	Date:	Time:															
Relinquished By:	Date:	Time:	Received By:	Date: 4/17/13	Time: 0940															

SOIL / WATER / AIR PROTECTION ENTERPRISE

AA# 130956

Amended

CHAIN OF CUSTODY RECORD / ANALYTICAL REQUEST FORM

Bridgeton Sanitary Landfill Air Quality Assessment

Client Name:

SOIL / WATER AIR PROTECTION ENTERPRISE

Telephone No. / Fax No.:
(310) 434-0110 / (310) 434-0011

Date: 4/17/12 Page 3 of 4

Project Manager:

PAUL ROSENFELD, PH.D.

Address:

1640 FIFTH STREET, SUITE 204, SANTA MONICA, CA 90401

Project Name and Location:

BRIDGETON SANITARY LANDFILL AIR QUALITY ASSESSMENT

Sampled By:

Sampler Signature:

REQUESTED TESTS / ANALYSES

LAB ID	SAMPLE ID NUMBER	Type	Date	Time	VOCS - EPA TO-15	Reduced Sulfur Compounds - ASTM D5504	Carbonyls - EPA TO-11A	Carboxylic Acids - Tube GC-MS	HCL - NIOSH 7903	Ammonia - OSHA ID-188	SO2 - OSHA ID-200	HCN - NIOSH 6010	Amines - NIOSH 2010M	Fixed Gases - EPA 3C	PAHs / Dioxins EPA TO-13A / 9A	Mercury - NIOSH 6009	Odor Evaluation	Special Instructions / Conditions of Receipt
62465	F-2 - Cariston		4/16/12	14:12	X	X								X				1 SUMMA TUBE
62466	- DRPH			14:23			X											1 TUBE
62467	- Acids			14:19			X											1 TUBE
62468	- HCL			14:39				X										1 TUBE
62469	- Ammonia			14:45			X											1 TUBE
62470	- SO2			14:31				X										1 TUBE
62471	- HCN			14:34					X									1 TUBE
62472	- Amines			14:50						X								1 TUBE
62473	- Mercury			14:43								X						1 TUBE

Requested Turnaround Time:

Standard Turnaround for all analyses. If possible deliver report within 2 weeks.

QC Requirements: Provide Level IV QC Package for all Analyses.

Relinquished By:

[Signature]

Date: 4/17/12 Time:

Received By:

[Signature]

Date: 4/17/12 Time:

Relinquished By:

SOIL / WATER / AIR PROTECTION ENTERPRISE

Received By:

[Signature]

Date: 4/17/12 Time: 2:40

ACC# 130956

CHAIN OF CUSTODY RECORD / ANALYTICAL REQUEST FORM

*Amended**

Bridgeton Sanitary Landfill Air Quality Assessment

Client Name: SOIL / WATER AIR PROTECTION ENTERPRISE
 Project Manager: PAUL ROSENFELD, PH.D.
 Address: 1640 FIFTH STREET, SUITE 204, SANTA MONICA, CA 90401
 Project Name and Location: BRIDGETON SANITARY LANDFILL AIR QUALITY ASSESSMENT
 Telephone No. / Fax No.: (310) 434-0110 / (310) 434-0011
 Date: 4/17/13 Page 4 of 4

Requested Turnaround Time: Standard turn-around for all analyses. If possible deliver report within 2 weeks.
 QC Requirements: Provide Level IV QC Package for all Analyses.

LAB ID	SAMPLE ID NUMBER	Type	Date	Time	VOCS - EPA TO-15	Reduced Sulfur Compounds - ASTM D5504	Carbonyls - EPA TO-11A	Carboxylic Acids - Tube GC-MS	HCL - NIOSH 7903	Ammonia - OSHA ID-188	SO2 - OSHA ID-200	HCN - NIOSH 6010	Amines - NIOSH 2010M	Fixed Gases - EPA 3C	PAHs / Dioxins EPA TO-13A / 9A	Mercury - NIOSH 6009	Odor Evaluation	Special Instructions / Conditions of Receipt
62474	F-3 - Canister		4/16/13	15:30	X	X								X				1 SUMMA TUBE
62475	- DNPH			15:20			X											1 TUBE
62476	- Acids			15:14				X										1 TUBE
62477	- HCL			15:10					X									1 TUBE
62478	- Ammonia			15:02						X								1 TUBE
62479	- SO2			15:20							X							1 TUBE
62480	- HCN			15:06								X						1 TUBE
62481	- Amines			15:29									X					1 TUBE
62482	- Mercury		04	15:18												X		1 TUBE

Relinquished By: [Signature] Date: 4/17/13 Time: [Blank]
 Relinquished By: [Signature] Date: [Blank] Time: [Blank]
 Relinquished By: [Signature] Date: 4/17/13 Time: 0940

SOIL / WATER / AIR PROTECTION ENTERPRISE

ALC# 130456

CHAIN OF CUSTODY RECORD / ANALYTICAL REQUEST FORM

Bridgeton Sanitary Landfill Air Quality Assessment

Client Name: SOIL / WATER AIR PROTECTION ENTERPRISE
 Telephone No. / Fax No.: (310) 434-0110 / (310) 434-0011
 Project Manager: PAUL ROSENFELD, PH.D.
 Address: 1640 FIFTH STREET, SUITE 204, SANTA MONICA, CA 90401
 Project Name and Location: BRIDGETON SANITARY LANDFILL AIR QUALITY ASSESSMENT

Requested Tests / Analyses: VOCs - EPA TO-15, Reduced Sulfur Compounds - ASTM D5504, Carbonyls - EPA TO-11A, Carboxylic Acids - Tube GC-MS, HCL - NIOSH 7903, Ammonia - OSHA ID-188, SO2 - OSHA ID-200, HCN - NIOSH 6010, Amines - NIOSH 2010M, Fixed Gases - EPA 3C, PAHs / Dioxins EPA TO-13A / 9A, Mercury - NIOSH 6009, Odor Evaluation

LAB ID	SAMPLE ID NUMBER	Type	Date	Time	Requested Tests / Analyses	Date	Page
62486	ALDEHYDES		4/17/13			4/17/13	1 of 1
62487	AMINES						
62488	AMMONIA						
62489	CARBOXYLIC ACIDS						
62490	HYDROGEN CHLORIDE						
62491	HYDROGEN CYANIDE						
62492	MERCURY						
62493	SULFUR DIOXIDE						

Special Instructions / Conditions of Receipt

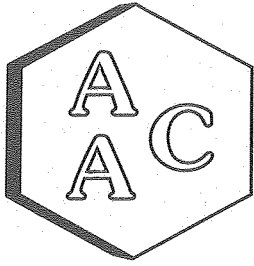
Requested Turnaround Time: Standard turn-around for all analyses. If possible deliver report within 2 weeks.
 QC Requirements: Provide Level IV QC Package for all Analyses.

Relinquished By: <i>Paul Rosenfeld</i>	Date: 4/17/13	Time: 4 PM	Received By: <i>[Signature]</i>	Date: 4/18/13	Time: 1235
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

SOIL / WATER / AIR PROTECTION ENTERPRISE

- FENCE X

Results



Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report Anion Analysis by IC

Client: : Swape
Client Project Name: : Bridgeton Sanitary Landfill Air Quality Assessment
AAC Project No. : 130456
Analyst : EG/HP
Units : ug/m^3

Sampling Date : 04/16/2013
Receiving Date : 04/17/2013
Analysis Date : 04/25/2013
Reporting Date : 04/26/2013

Hydrochloric Acid by NIOSH Method 7903

Client Sample ID	AAC Sample ID	Sample Volume (mL)	Analysis DF	Hydrochloric Acid Concentration (ug/sample)	Sample Reporting Limit (ug/sample)	Hydrochloric Acid Concentration (ug/m^3)	Sample Reporting Limit (ug/m^3)
BZ-1-HCL	130456-62450	10	1	<SRL	1.03	<SRL	12.2
F-1-HCL	130456-62459	10	1	<SRL	1.03	<SRL	857
F-2-HCL	130456-62468	10	1	<SRL	1.03	<SRL	1060
F-3-HCL	130456-62477	10	1	<SRL	1.03	<SRL	1060
HCL Trip Blank	130456-62490	10	1	<SRL	1.03	<SRL	1030

<SRL-compound was analyzed for but not detected at or above the SRL (Sample Reporting Limit)

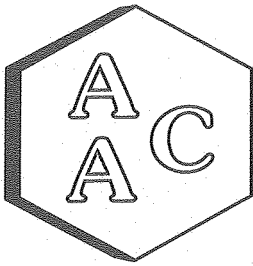
All sample values were blank corrected using the Trip Blank value for HCL.

The Trip Blank value was calculated using a sample volume of 1.0 Liters



Marcus Hueppe
Laboratory Director





Atmospheric Analysis & Consulting, Inc.

Laboratory Analysis Report

Anion Analysis by IC

Client: : Swape
Client Project Name : Bridgeton Sanitary Landfill Air Quality Assessment
AAC Project No. : 130456
Analyst : EG/HP
Units : ppbv

Sampling Date : 04/16/2013
Receiving Date : 04/17/2013
Analysis Date : 04/25/2012
Reporting Date : 04/26/2012

Hydrochloric Acid by NIOSH Method 7903

Client Sample ID	AAC Sample ID	Sample Volume (mL)	Analysis DF	Hydrochloric Acid Concentration (ppbv)	Sample Reporting Limit (ppbv)
BZ-1-HCL	130456-62450	10	1	<SRL	8.20
F-1-HCL	130456-62459	10	1	<SRL	575
F-2-HCL	130456-62468	10	1	<SRL	714
F-3-HCL	130456-62477	10	1	<SRL	714
HCL Trip Blank	130456-62490	10	1	<SRL	690

<SRL-compound was analyzed for but not detected at or above the SRL (Sample Reporting Limit)

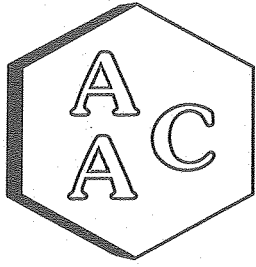
All sample values were blank corrected using the Trip Blank value for HCL

The Trip Blank value was calculated using a sample volume of 1.0 Liters

Marcus Hueppe
Laboratory Director



QA/QC Summary



Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report NIOSH Method 7903

Analysis Date : 04/25/2013
Analyst : EG/HP

Instrument ID : DIONEX IC

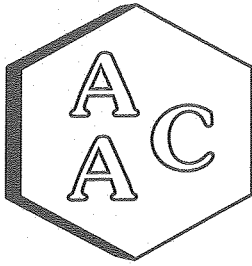
Calibration Verification of the 04/25/2013 Calibration

Sample ID	Analyte	Theoretical Concentration (ug/mL)	Practical Concentration (ug/mL)	Percent Recovery (%)*
Opening CV	Fluoride	25.0	24.1	96.4
	Chloride	25.0	24.9	100
	Bromide	25.0	25.2	101
	Nitrate	25.0	25.0	100
	Phosphate	25.0	25.1	100
	Sulfate	25.0	25.2	101
Continuing CV	Fluoride	25.0	24.1	96.6
	Chloride	25.0	25.4	102
	Bromide	25.0	25.5	102
	Nitrate	25.0	25.6	102
	Phosphate	25.0	25.5	102
	Sulfate	25.0	25.3	101
Continuing CV	Fluoride	25.0	24.1	96.3
	Chloride	25.0	25.3	101
	Bromide	25.0	25.2	101
	Nitrate	25.0	25.7	103
	Phosphate	25.0	25.1	100
	Sulfate	25.0	25.3	101
Closing CV	Fluoride	25.0	24.0	96.2
	Chloride	25.0	25.3	101
	Bromide	25.0	25.1	100
	Nitrate	25.0	25.2	101
	Phosphate	25.0	25.8	103
	Sulfate	25.0	25.1	100
Second Source	Fluoride	25.0	25.4	102
	Chloride	25.0	26.2	105
	Bromide	25.0	26.5	106
	Nitrate	25.0	26.6	106
	Phosphate	25.0	26.4	106
	Sulfate	25.0	26.4	106

* Must be 85-115%

Marcus Hueppe
Laboratory Director





Atmospheric Analysis & Consulting, Inc.

QUALITY CONTROL/ASSURANCE REPORT

NIOSH Method 7903

Analysis Date : 04/25/2013
 Analyst : EG/HP

Instrument ID : DIONEX IC

Method Blank Analysis

Analyte	Concentration (ug/mL)	Reporting Limit (ug/mL)
Fluoride	<RL	0.100
Chloride	<RL	0.100
Bromide	<RL	0.100
Nitrate	<RL	0.100
Phosphate	<RL	0.100
Sulfate	<RL	0.100

Laboratory Control Spike Analysis

Analyte	Theoretical Sample Concentration (ug/mL)	Theoretical Spike Concentration (ug/mL)	Lab Spike Concentration (ug/mL)	Duplicate Lab Spike Concentration (ug/mL)	Spike Recovery (%)**	Duplicate Spike Recovery (%)**	% RPD****
Fluoride	0.000	12.5	12.2	12.1	97.6	97.1	0.5
Chloride	0.000	12.5	12.4	12.2	99.1	97.4	1.8
Bromide	0.000	12.5	12.4	12.2	99.0	97.4	1.5
Nitrate	0.000	12.5	12.2	12.2	97.4	97.9	0.6
Phosphate	0.000	12.5	13.2	12.4	105	99.1	6.0
Sulfate	0.000	12.5	12.5	12.1	99.7	97.1	2.6

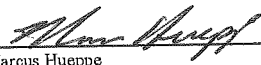
Matrix Spike Analysis [Sample 130485-62586]

Analyte	Theoretical Sample Concentration (ug/mL)	Theoretical Spike Concentration (ug/mL)	Matrix Spike Concentration (ug/mL)	Duplicate Matrix Spike Concentration (ug/mL)	Spike Recovery (%)**	Duplicate Spike Recovery (%)**	% RPD****
Fluoride	0.070	12.5	12.0	12.2	95.0	97.1	2.2
Chloride	0.183	12.5	12.9	12.5	102	98.1	3.8
Bromide	0.000	12.5	12.2	11.3	97.5	90.3	7.7
Nitrate	0.000	12.5	12.4	11.8	99.1	94.2	5.0
Phosphate	0.263	12.5	12.5	12.7	97.7	99.1	1.4
Sulfate	28.7	12.5	42.7	42.0	112	107	4.6

Duplicate Sample Analysis

Sample ID	Analyte	Result (ug/mL)	Duplicate Result (ug/mL)	%RPD*	DF
130485-62586	Fluoride	0.140	0.140	0.0	1
	Chloride	0.370	0.360	2.7	1
	Bromide	<SRL	<SRL	NA	1
	Nitrate	<SRL	<SRL	NA	1
	Phosphate	0.520	0.530	1.9	1
	Sulfate	57.6	57.2	0.6	1
130485-62586x2	Sulfate	57.6	57.1	0.8	1
130456-62490	Fluoride	<SRL	<SRL	NA	1
	Chloride	<SRL	<SRL	NA	1
	Bromide	<SRL	<SRL	NA	1
	Nitrate	<SRL	<SRL	NA	1
	Phosphate	<SRL	<SRL	NA	1
	Sulfate	<SRL	<SRL	NA	1

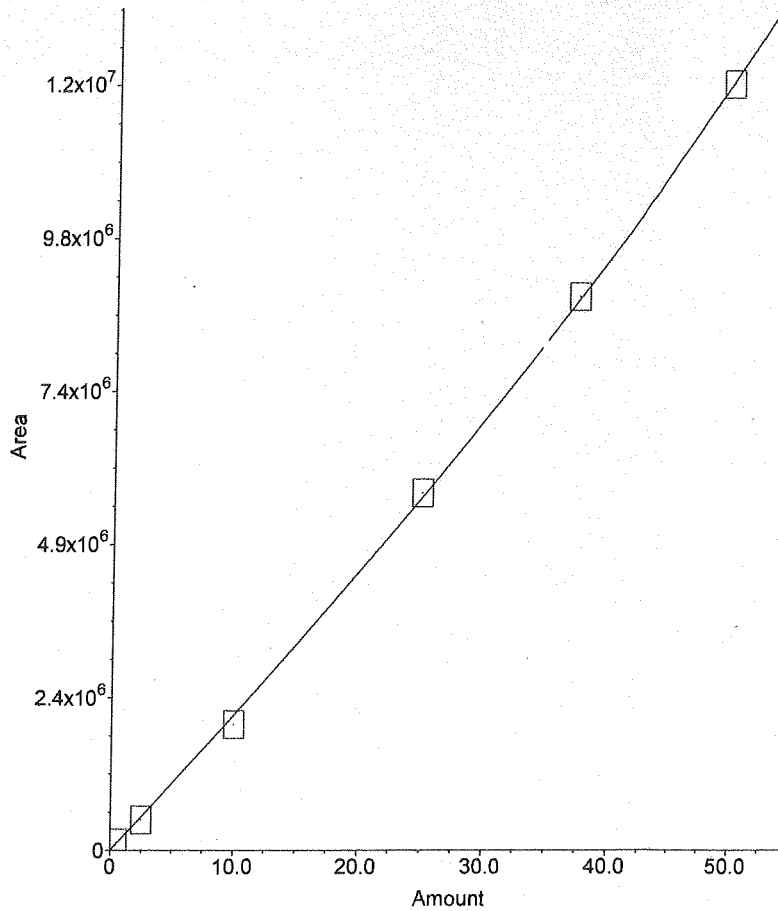
* Must be <10%
 ** Must be 85-115%
 *** Must be 75-125%
 **** Must be <25%


 Marcus Hueppe
 Laboratory Director



Calibration Summary

2. Component:Chloride
Standard:External Fit Type:Quadratic
Origin:Force Calibration:Area
 $r^2=0.999743$
Amt= $-5.263305e-014*Resp^2+$
 $4.683164e-006*Resp+0$



Method:CAL

Raw Data

Sample Analysis Report

Sample Name : DI Water Blank

Data File Name : C:\PEAKNET\DATA\2013\042513\ANIONS\A_009.DXD

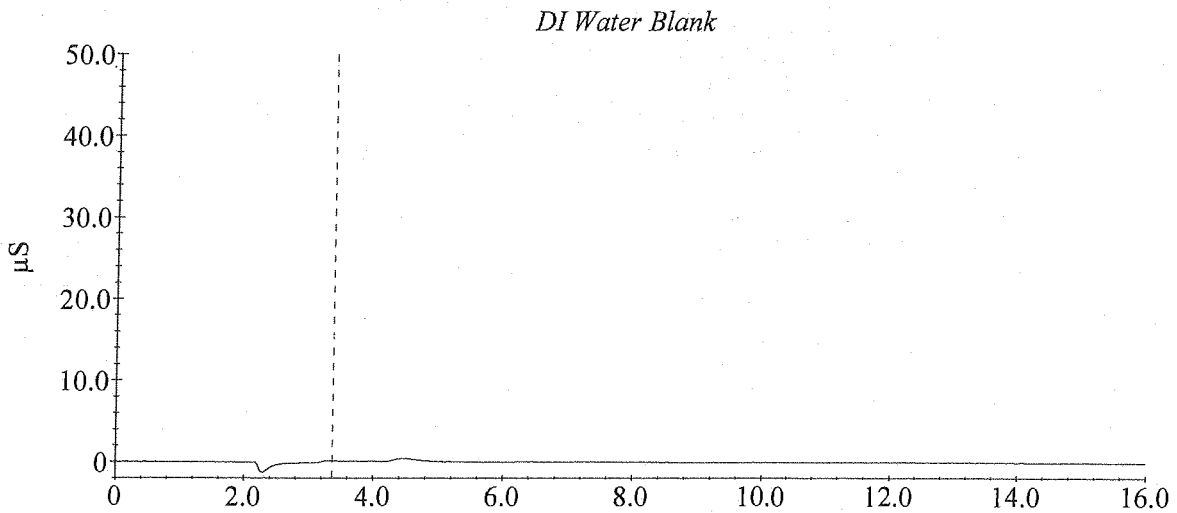
Method File Name : c:\peaknet\method\2013\anions-042513.met

Date Time Collected : 4/25/2013 12:00:12 PM

System Operator : HP/EG

Peak Information : All Peaks

Peak #	Component Name	Retention Time	Amount (ug/ml)	Peak Area	Peak Height
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Sample Analysis Report

Sample Name : CCV 25ug/mL SS0746x4

Data File Name : C:\PEAKNET\DATA\2013\042513\ANION_SA_010.DXD

Method File Name : c:\PeakNet\method\2013\Anions-042513.met

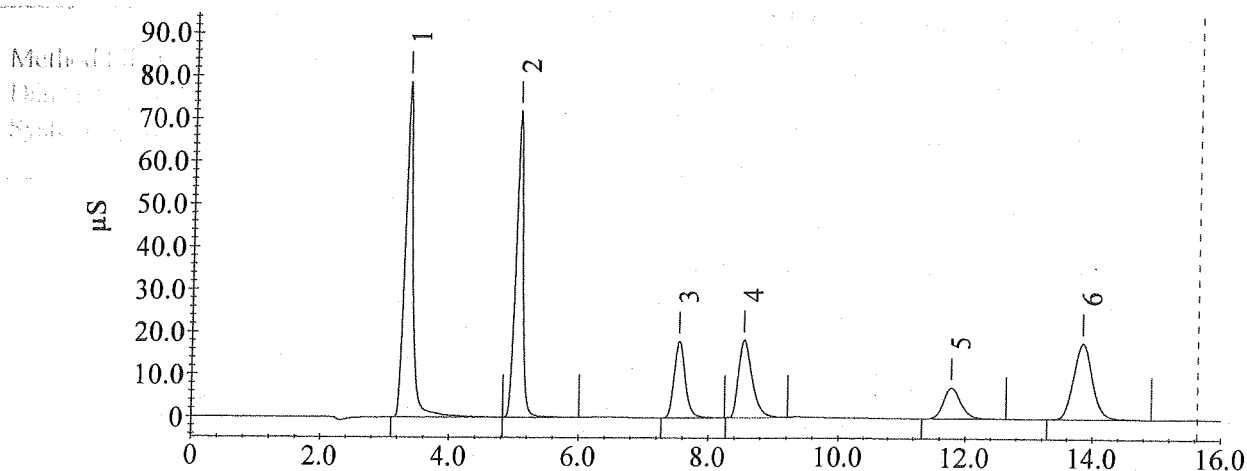
Date Time Collected : 4/25/2013 12:16:30 PM

System Operator : HP/EG

Peak Information : All Peaks

Peak #	Component Name	Retention Time	Amount (ug/ml)	Peak Area	Peak Height
1	Fluoride	3.33	24.10	6779190	784474
2	Chloride	5.05	24.92	5685389	715521
3	Bromide	7.53	25.18	2134787	179401
4	Nitrate	8.53	25.00	2676250	181596
5	Phosphate	11.78	25.06	1348256	71818
6	Sulfate	13.83	25.23	3637759	177292

CCV 25ug/mL SS0746x4



HP
04/25/13

Sample Analysis Report

Sample Name : SS 25ug/ml SS0664x4

Data File Name : C:\PEAKNET\DATA\2013\042513ANIONS\A_011.DXD

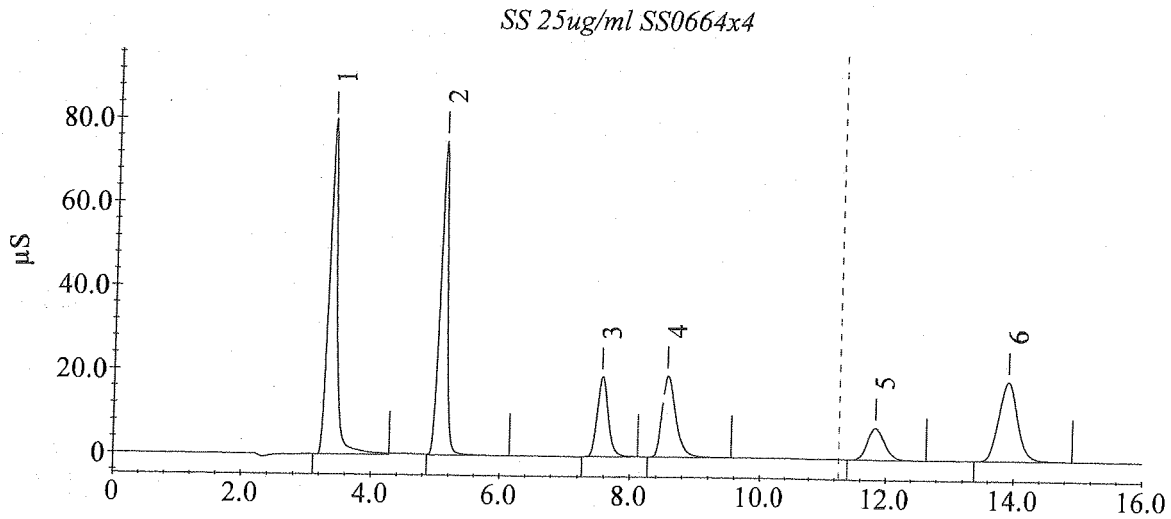
Method File Name : c:\PeakNet\method\2013\Anions-042513.met

Date Time Collected : 4/25/2013 12:32:47 PM

System Operator : HP/EG

Peak Information : All Peaks

Peak #	Component Name	Retention Time	Amount (ug/ml)	Peak Area	Peak Height
1	Fluoride	3.35	25.42	7132308	793305
2	Chloride	5.08	26.22	6003057	749394
3	Bromide	7.55	26.51	2257208	188860
4	Nitrate	8.55	26.56	2857345	191820
5	Phosphate	11.83	26.41	1426770	75815
6	Sulfate	13.90	26.42	3823907	188632



Sample Analysis Report

Sample Name : Method Blank

Data File Name : C:\PEAKNET\DATA\2013\042513ANIONSVA_012.DXD

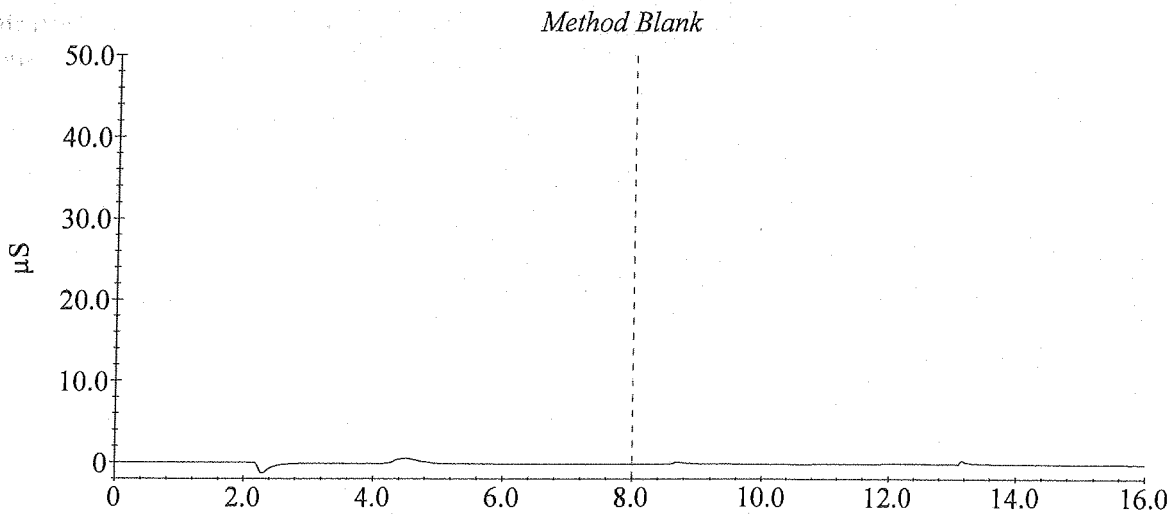
Method File Name : c:\peaknet\method\2013\anions-042513.met

Date Time Collected : 4/25/2013 1:51:58 PM

System Operator : HP/EG

Peak Information : All Peaks

Peak #	Component Name	Retention Time	Amount (ug/ml)	Peak Area	Peak Height
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5/25/13

Sample Analysis Report

Sample Name : LCS 12.5ug/ml SS0746x8

Data File Name : C:\PEAKNET\DATA\2013\042513ANIONS\A_013.DXD

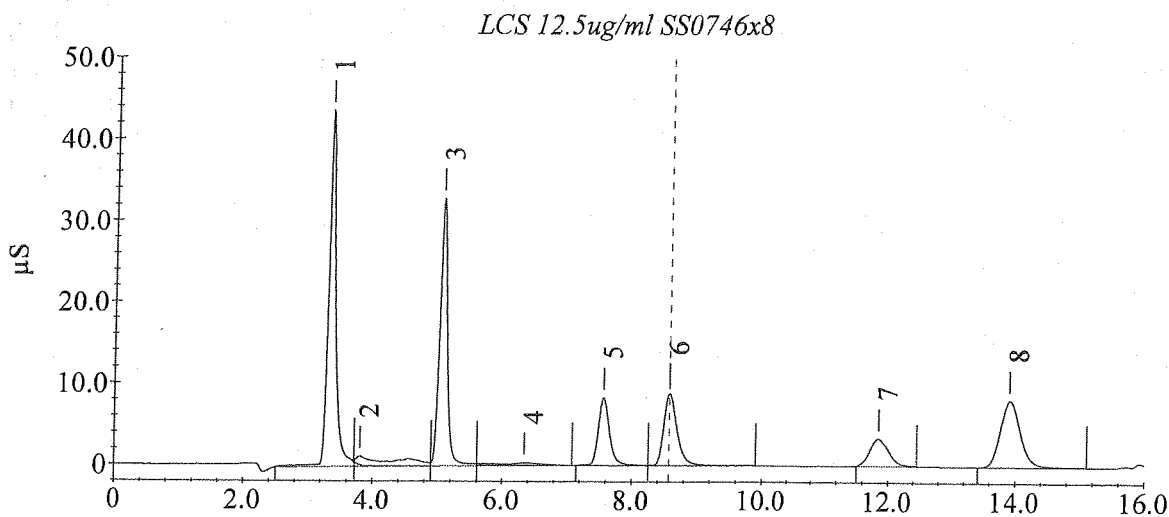
Method File Name : c:\peaknet\method\2013\anions-042513.met

Date Time Collected : 4/25/2013 2:08:13 PM

System Operator : HP/EG

Peak Information : All Peaks

Peak #	Component Name	Retention Time	Amount (ug/ml)	Peak Area	Peak Height
1	Fluoride	3.33	12.20	3511994	437746
2	Unknown 1	3.81	0.00	465751	10300
3	Chloride	5.06	12.39	2729209	328825
4	Unknown 2	6.35	0.00	114968	2798
5	Bromide	7.56	12.37	1008134	82635
6	Nitrate	8.57	12.17	1254062	87891
7	Phosphate	11.85	13.16	683544	33494
8	Sulfate	13.90	12.46	1725811	81100



HP
04/25/13

Sample Analysis Report

Sample Name : LCSD 12.5ug/ml SS0746x8

Data File Name : C:\PEAKNET\DATA\2013\042513ANIONS\A_014.DXD

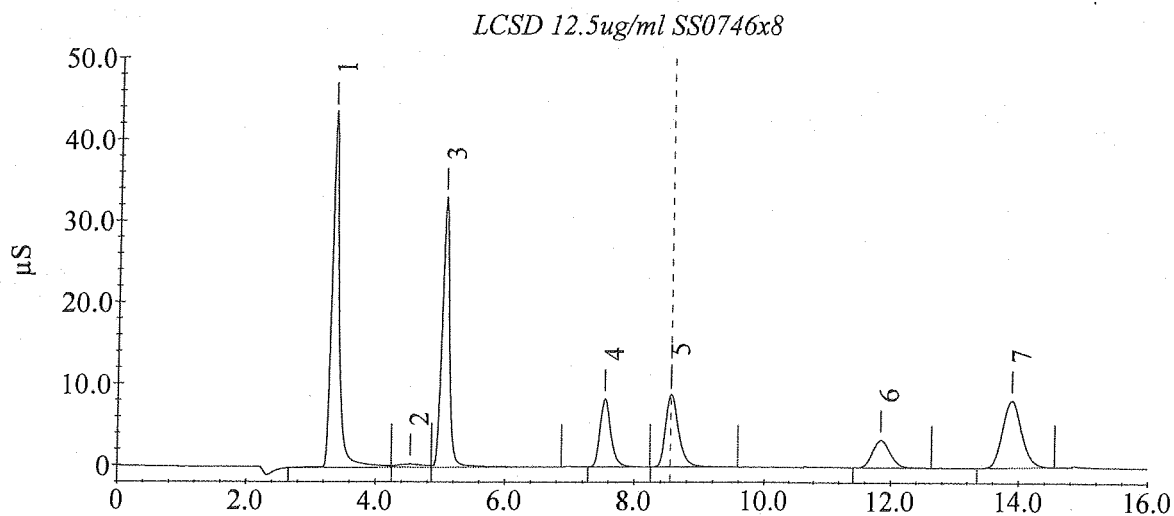
Method File Name : c:\peaknet\method\2013\anions-042513.met

Date Time Collected : 4/25/2013 2:24:31 PM

System Operator : HP/EG

Peak Information : All Peaks

Peak #	Component Name	Retention Time	Amount (ug/ml)	Peak Area	Peak Height
1	Fluoride	3.33	12.14	3494154	435747
2	Unknown 1	4.53	0.00	105071	3944
3	Chloride	5.05	12.17	2680324	330525
4	Bromide	7.53	12.18	991955	83054
5	Nitrate	8.55	12.24	1261040	88712
6	Phosphate	11.83	12.39	642037	33407
7	Sulfate	13.88	12.14	1679502	81971



HP
04/25/13

Sample Analysis Report

Sample Name : MS 12.5 ug/ml (130485-62586)

Data File Name : C:\PEAKNET\DATA\2013\042513ANIONS\A_015.DXD

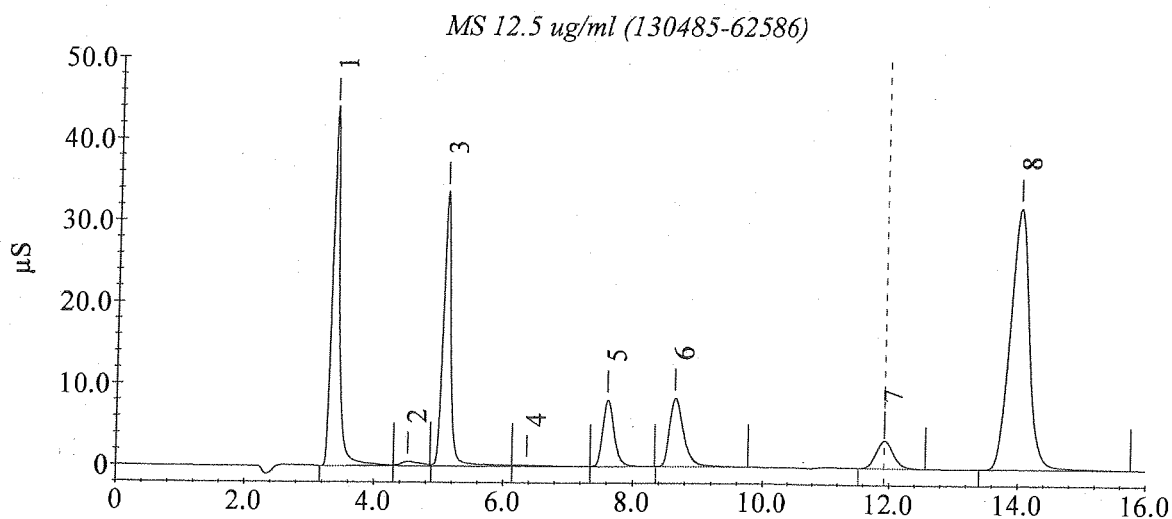
Method File Name : c:\peaknet\method\2013\anions-042513.met

Date Time Collected : 4/25/2013 2:40:48 PM

System Operator : HP/EG

Peak Information : All Peaks

Peak #	Component Name	Retention Time	Amount (ug/ml)	Peak Area	Peak Height
1	Fluoride	3.35	11.95	3442742	438197
2	Unknown 1	4.52	0.00	118351	5478
3	Chloride	5.08	12.92	2850245	335920
4	Unknown 2	6.37	0.00	38916	1124
5	Bromide	7.60	12.19	992701	80887
6	Nitrate	8.63	12.39	1277479	83318
7	Phosphate	11.92	12.48	646875	33853
8	Sulfate	14.00	42.67	6564224	320093



HP
4/25/13

Sample Analysis Report

Sample Name : MSD 12.5 ug/ml (130485-62586)

Data File Name : C:\PEAKNET\DATA\2013\042513\ANIONS\A_016.DXD

Method File Name : c:\peaknet\method\2013\anions-042513.met

Date Time Collected : 4/25/2013 2:57:06 PM

System Operator : HP/EG

Peak Information : All Peaks

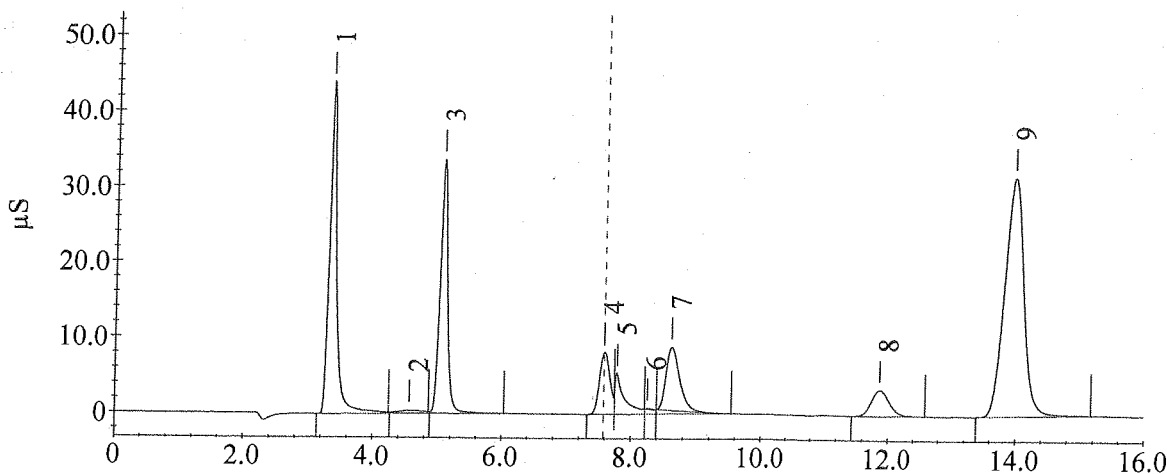
Peak #	Component Name	Retention Time	Amount (ug/ml)	Peak Area	Peak Height
1	Fluoride	3.33	12.21	3515164	439071
2	Unknown 1	4.57	0.00	102905	4025
3	Chloride	5.07	12.45	2744102	336442
4	Bromide	7.58	11.29	917403	81878
5	Unknown 2	7.78	0.00	827160	53273
6	Unknown 3	8.25	0.00	2818	518
7	Nitrate	8.62	11.78	1212552	83190
8	Phosphate	11.87	12.65	655828	34103
9	Sulfate	13.95	42.04	6452195	316283

Method File Name

Date Time

System Operator

MSD 12.5 ug/ml (130485-62586)



Sample Analysis Report

Sample Name : 130485-62586

Data File Name : C:\PEAKNET\DATA\2013\042513ANIONS\A_017.DXD

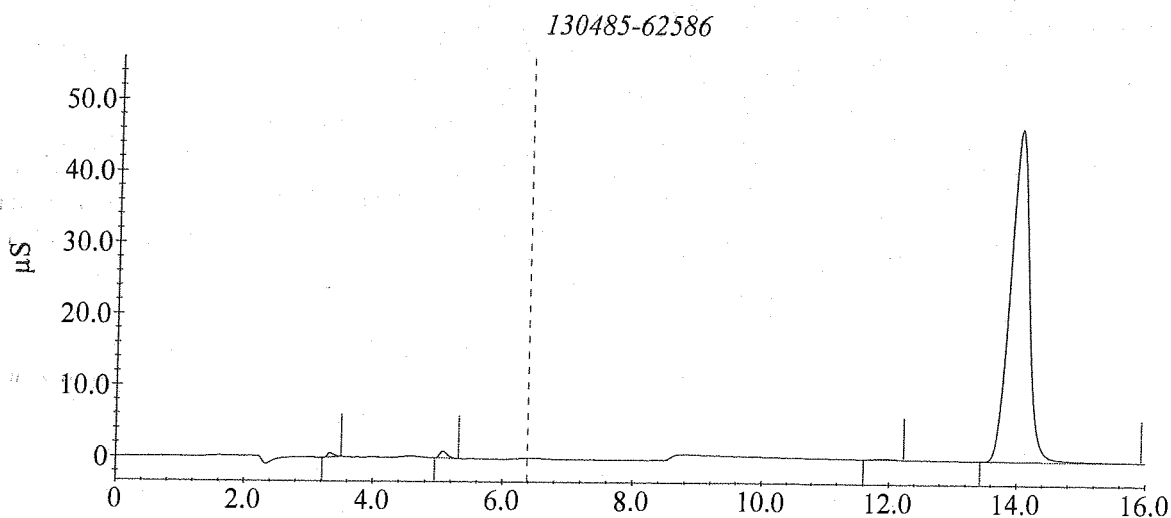
Method File Name : c:\peaknet\method\2013\anions-042513.met

Date Time Collected : 4/25/2013 3:13:23 PM

System Operator : HP/EG

Peak Information : All Peaks

Peak #	Component Name	Retention Time	Amount (ug/ml)	Peak Area	Peak Height
1	Fluoride	3.33	0.14	42578	6169
2	Chloride	5.08	0.37	78759	9569
3	Phosphate	11.90	0.52	25998	1443
4	Sulfate	14.00	57.55	9492940	463705



EG
4/25/13

Sample Analysis Report

Sample Name : 130485-62586 dup

Data File Name : C:\PEAKNET\DATA\2013\042513\ANIONSIA_018.DXD

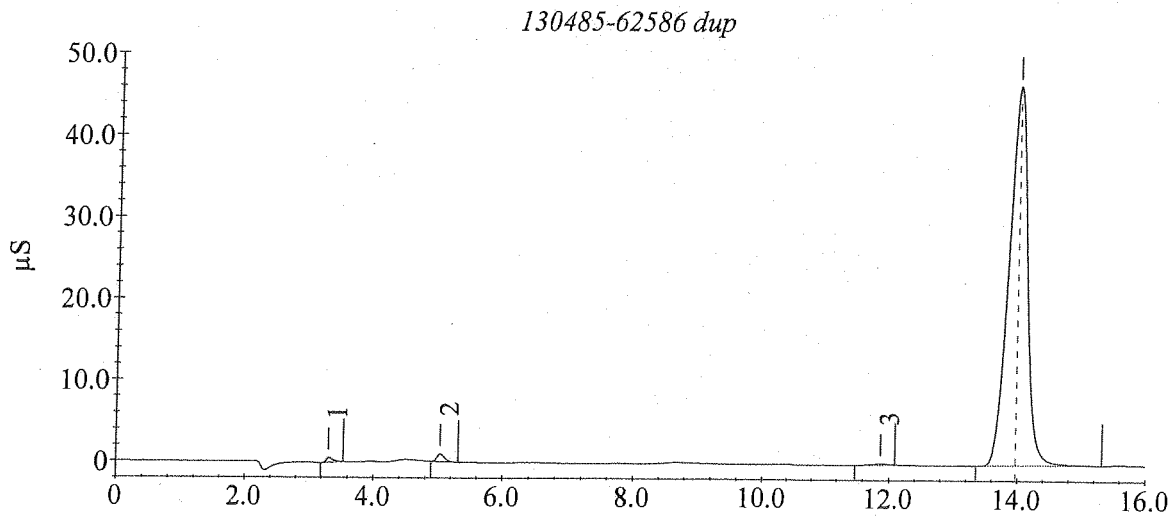
Method File Name : c:\peaknet\method\2013\anions-042513.met

Date Time Collected : 4/25/2013 3:29:39 PM

System Operator : HP/EG

Peak Information : All Peaks

Peak #	Component Name	Retention Time	Amount (ug/ml)	Peak Area	Peak Height
1	Fluoride	3.30	0.14	42390	5642
2	Chloride	5.03	0.36	77315	9400
3	Phosphate	11.87	0.53	26638	1452
4	Sulfate	13.97	57.21	9419908	464359



EG
04/25/13

Sample Analysis Report

Sample Name : DI Water Blank

Data File Name : C:\PEAKNET\DATA\2013\042513ANIONS\A_019.DXD

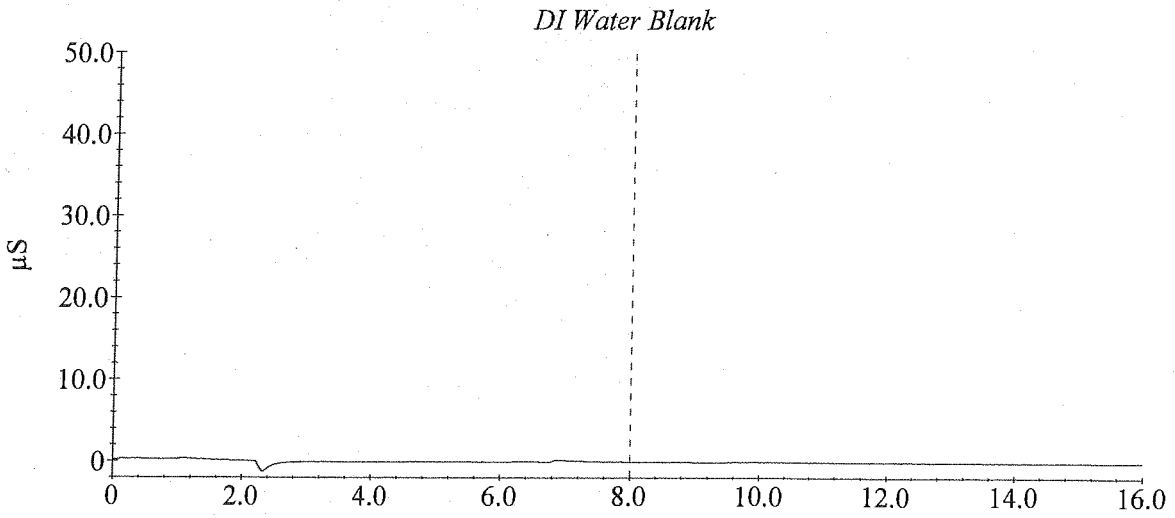
Method File Name : c:\peaknet\method\2013\anions-042513.met

Date Time Collected : 4/25/2013 3:45:57 PM

System Operator : HP/EG

Peak Information : All Peaks

Peak #	Component Name	Retention Time	Amount (ug/ml)	Peak Area	Peak Height
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EC
042513

Sample Analysis Report

Sample Name : CCV 25ug/mL SS0746x4

Data File Name : C:\PEAKNET\DATA\2013\042513ANIONS\A_020.DXD

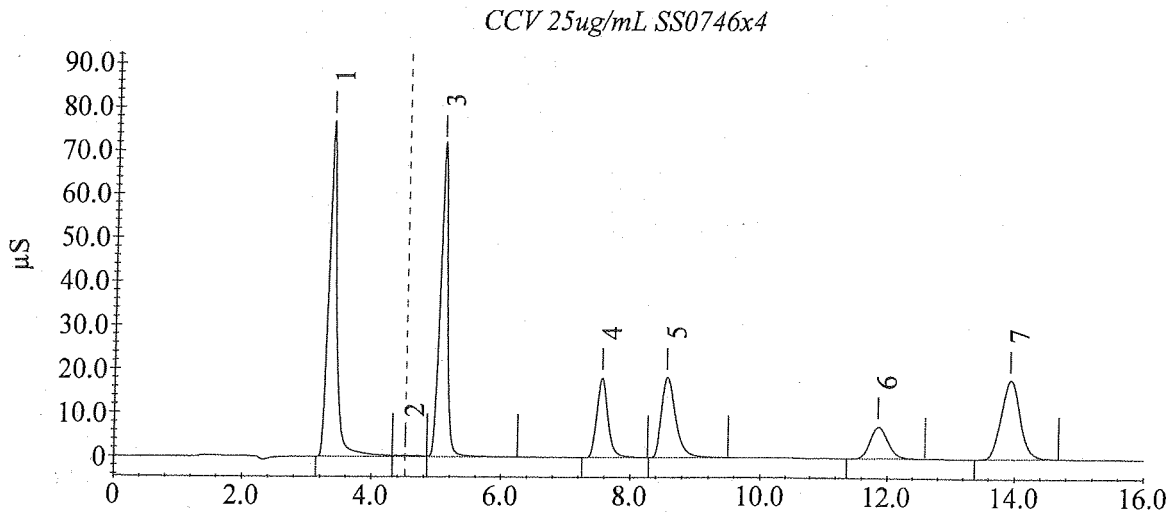
Method File Name : c:\peaknet\method\2013\anions-042513.met

Date Time Collected : 4/25/2013 4:02:14 PM

System Operator : HP/EG

Peak Information : All Peaks

Peak #	Component Name	Retention Time	Amount (ug/ml)	Peak Area	Peak Height
1	Fluoride	3.35	24.14	6790613	765561
2	Unknown 1	4.51	0.00	60038	2369
3	Chloride	5.07	25.38	5796328	711206
4	Bromide	7.55	25.51	2164302	180837
5	Nitrate	8.55	25.56	2741172	181797
6	Phosphate	11.85	25.49	1373280	71457
7	Sulfate	13.92	25.29	3645969	178992



Sample Analysis Report

Sample Name : 130456-62490

Data File Name : C:\PEAKNET\DATA\2013\042513ANIONS\A_021.DXD

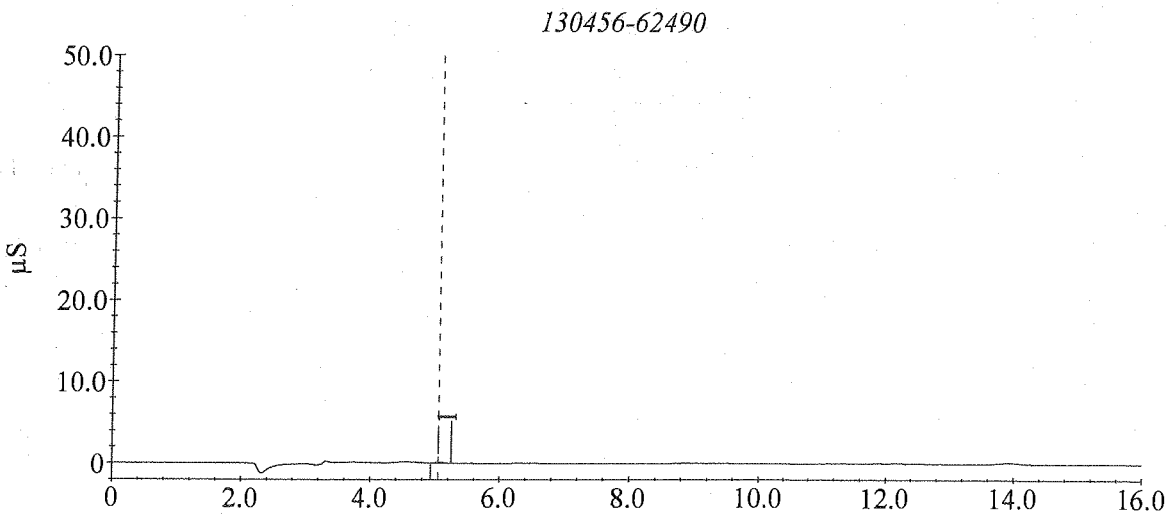
Method File Name : c:\peaknet\method\2013\anions-042513.met

Date Time Collected : 4/25/2013 4:18:32 PM

System Operator : HP/EG

Peak Information : All Peaks

Peak #	Component Name	Retention Time	Amount (ug/ml)	Peak Area	Peak Height
1	Chloride	5.05	0.05	10091	1258



EC
04/25/13

Sample Analysis Report

Sample Name : 130456-62490dup

Data File Name : C:\PEAKNET\DATA\2013\042513ANIONS\A_022.DXD

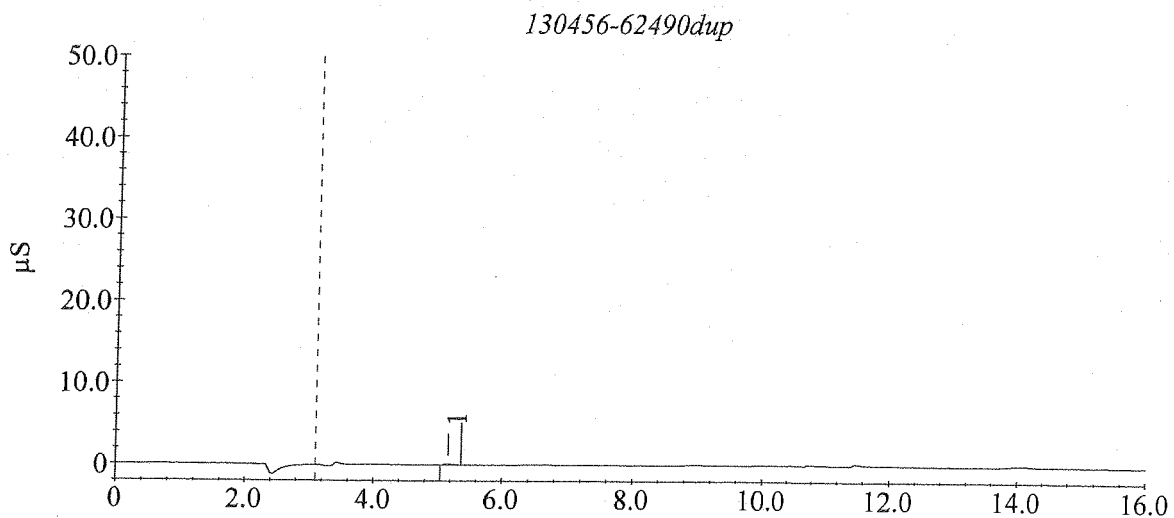
Method File Name : c:\peaknet\method\2013\anions-042513.met

Date Time Collected : 4/25/2013 4:34:47 PM

System Operator : HP/EG

Peak Information - All Peaks

Peak #	Component Name	Retention Time	Amount (ug/ml)	Peak Area	Peak Height
1	Chloride	5.17	0.05	10777	1289



Sample Analysis Report

Sample Name : 130456-62450

Data File Name : C:\PEAKNET\DATA\2013\042513ANIONS\A_023.DXD

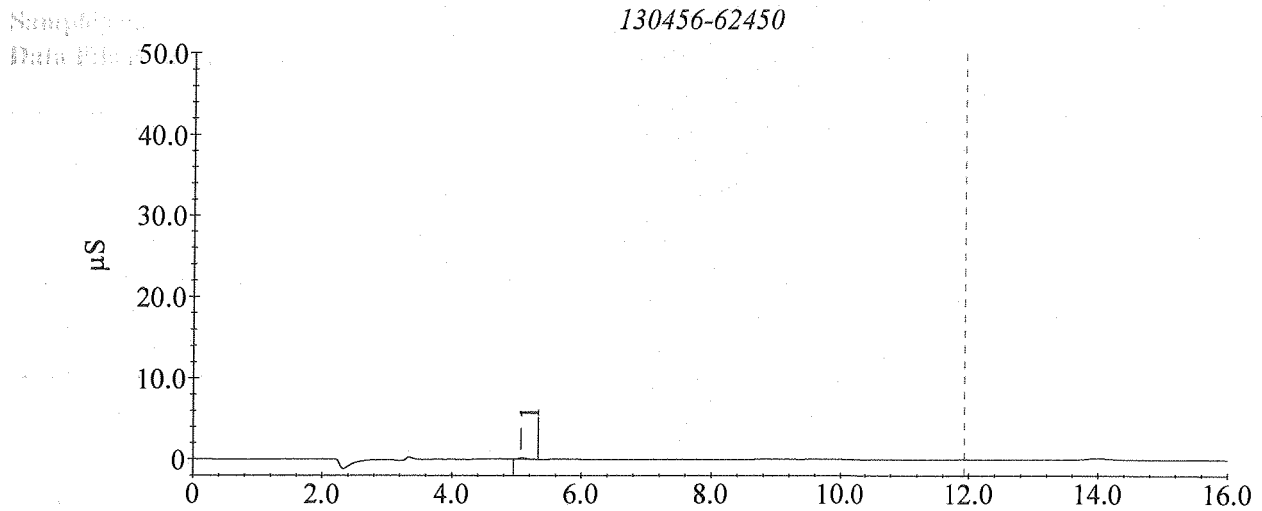
Method File Name : c:\peaknet\method\2013\anions-042513.met

Date Time Collected : 4/25/2013 5:19:35 PM

System Operator : HP/EG

Peak Information : All Peaks

Peak #	Component Name	Retention Time	Amount (ug/ml)	Peak Area	Peak Height
1	Chloride	5.07	0.06	13727	1579



EG
04/25/13

Sample Analysis Report

Sample Name : 130456-62459

Data File Name : C:\PEAKNET\DATA\2013\042513\ANIONS\A_024.DXD

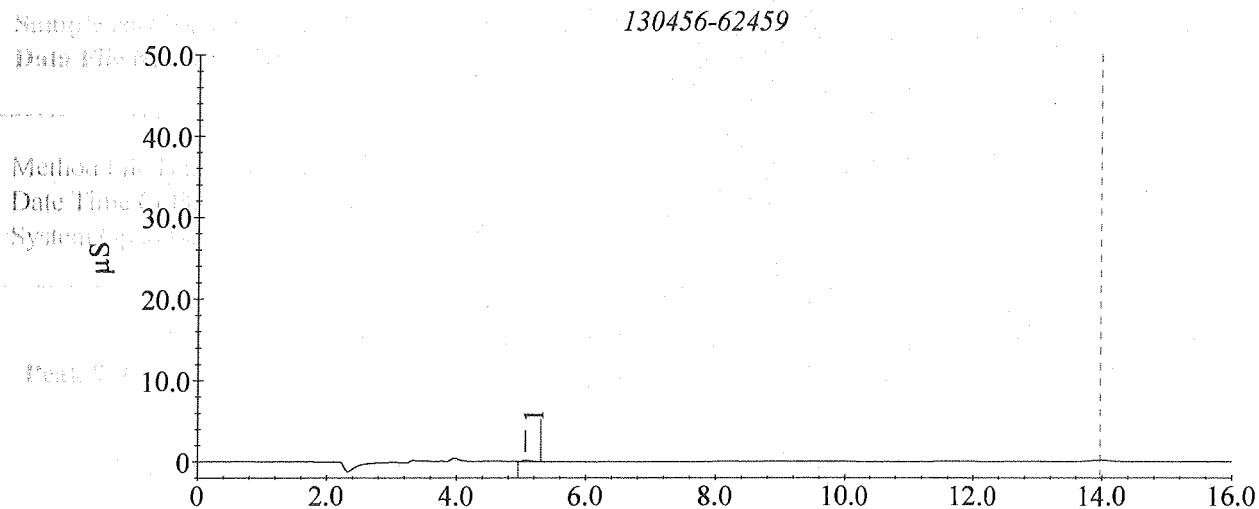
Method File Name : c:\peaknet\method\2013\anions-042513.met

Date Time Collected : 4/25/2013 5:35:53 PM

System Operator : HP/EG

Peak Information : All Peaks

Peak #	Component Name	Retention Time	Amount (ug/ml)	Peak Area	Peak Height
1	Chloride	5.07	0.06	12704	1514



tc
04/25/13

Sample Analysis Report

Sample Name : 130456-62468

Data File Name : C:\PEAKNET\DATA\2013\042513ANIONS\A_025.DXD

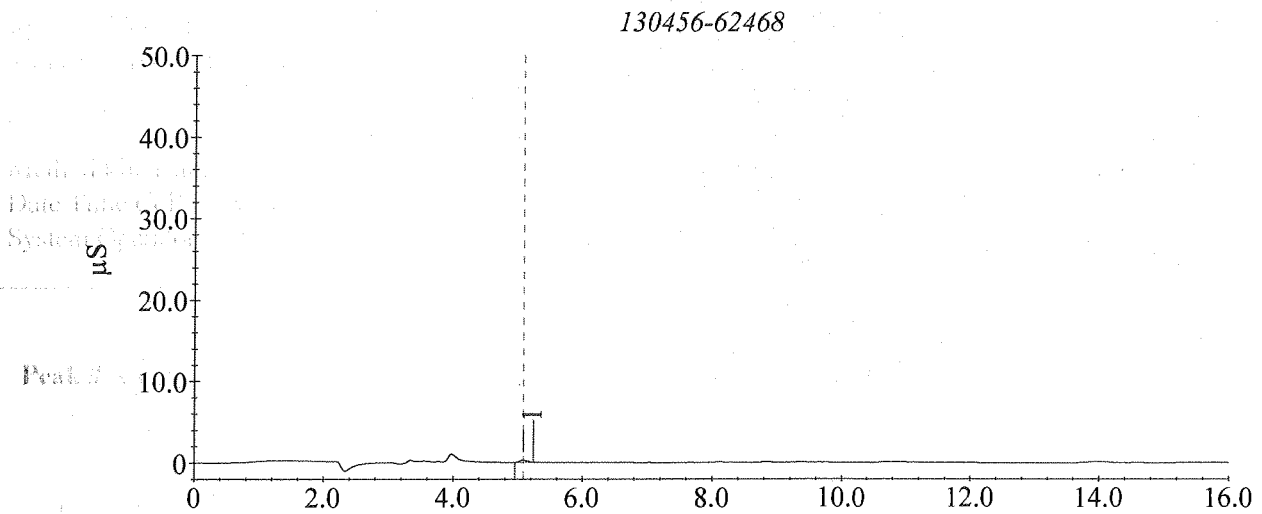
Method File Name : c:\peaknet\method\2013\anions-042513.met

Date Time Collected : 4/25/2013 5:52:11 PM

System Operator : HP/EG

Peak Information . All Peaks

Peak #	Component Name	Retention Time	Amount (ug/ml)	Peak Area	Peak Height
1	Chloride	5.08	0.09	20211	2579



Sample Analysis Report

Sample Name : 130456-62477

Data File Name : C:\PEAKNET\DATA\2013\042513ANIONS\A_026.DXD

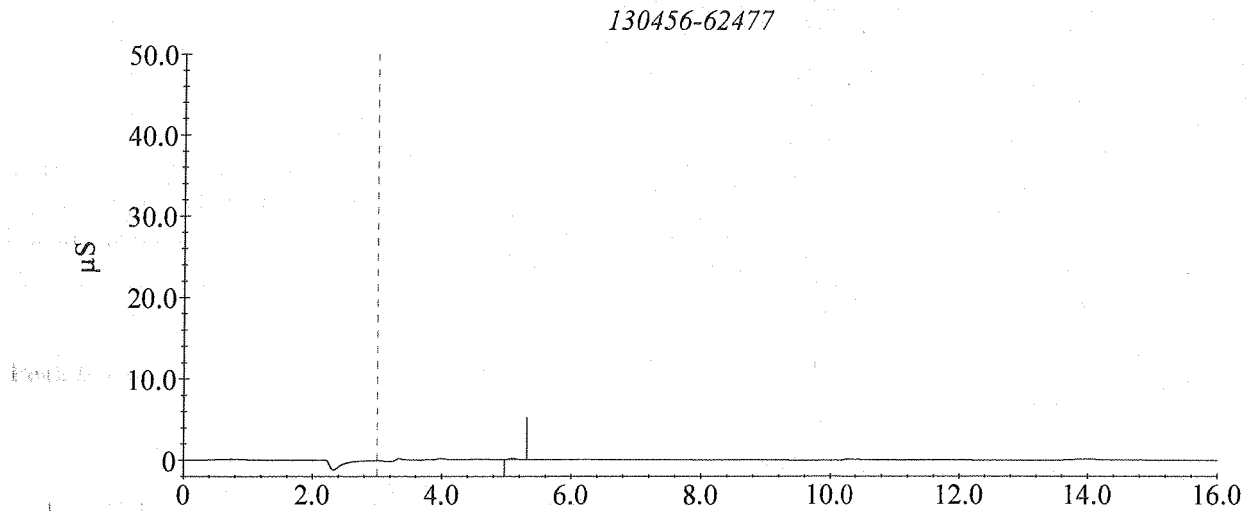
Method File Name : c:\peaknet\method\2013\anions-042513.met

Date Time Collected : 4/25/2013 6:08:29 PM

System Operator : HP/EG

Peak Information : All Peaks

Peak #	Component Name	Retention Time	Amount (ug/ml)	Peak Area	Peak Height
1	Chloride	5.08	0.05	11448	1355



HP/EG
4/26/13

Sample Analysis Report

Sample Name : DI Water Blank

Data File Name : C:\PEAKNET\DATA\2013\042513ANIONSIA_027.DXD

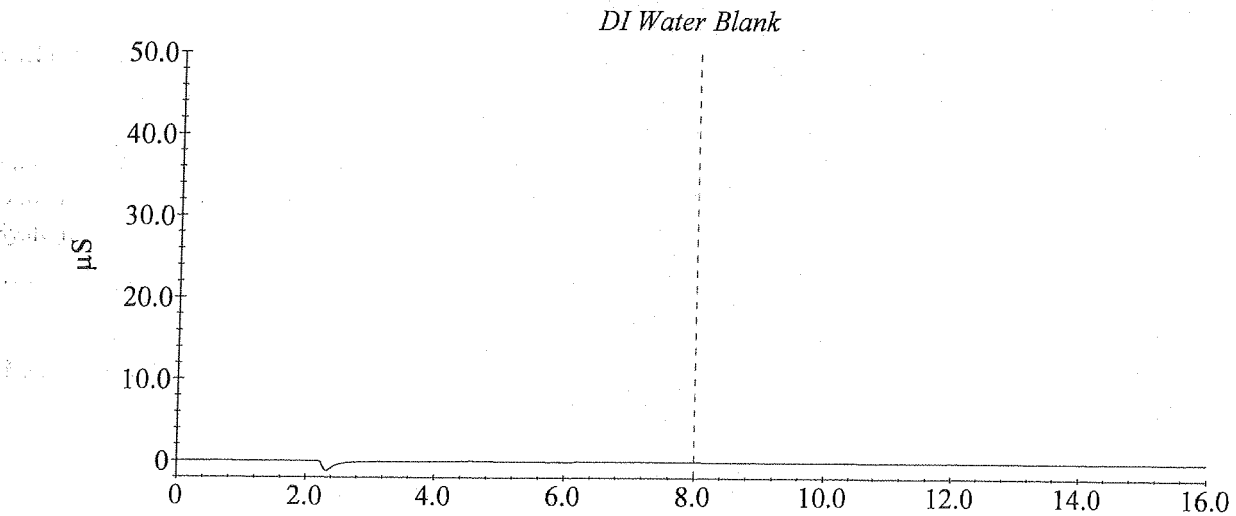
Method File Name : c:\peaknet\method\2013\anions-042513.mel

Date Time Collected : 4/25/2013 6:24:46 PM

System Operator : HP/EG

Peak Information : All Peaks

Peak #	Component Name	Retention Time	Amount (ug/ml)	Peak Area	Peak Height
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Sample Analysis Report

Sample Name : CCV 25ug/mL SS0746x4

Data File Name : C:\PEAKNET\DATA\2013\042513\ANIONS\A_028.DXD

Method File Name : c:\peaknet\method\2013\anions-042513.met

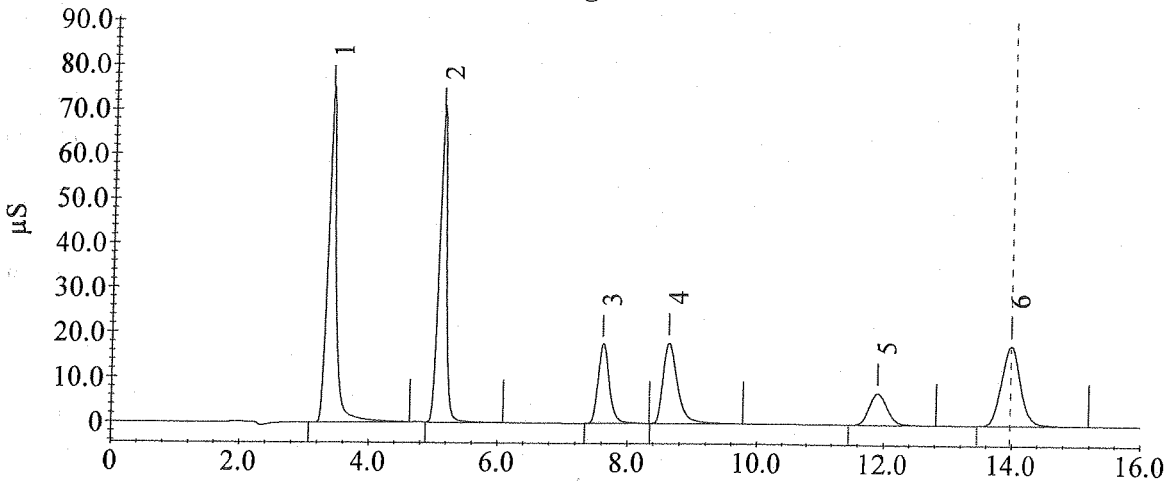
Date Time Collected : 4/25/2013 6:41:03 PM

System Operator : HP/EG

Peak Information All Peaks

Peak #	Component Name	Retention Time	Amount (ug/ml)	Peak Area	Peak Height
1	Fluoride	3.37	24.08	6773302	729586
2	Chloride	5.10	25.27	5770267	680574
3	Bromide	7.60	25.24	2139922	174640
4	Nitrate	8.62	25.70	2756593	178605
5	Phosphate	11.90	25.10	1350468	70537
6	Sulfate	13.97	25.29	3646944	177172

CCV 25ug/mL SS0746x4



CC
04/26/13

Sample Analysis Report

Sample Name : 130485-62586x2

Data File Name : C:\PEAKNET\DATA\2013\042513ANIONS\A_037.DXD

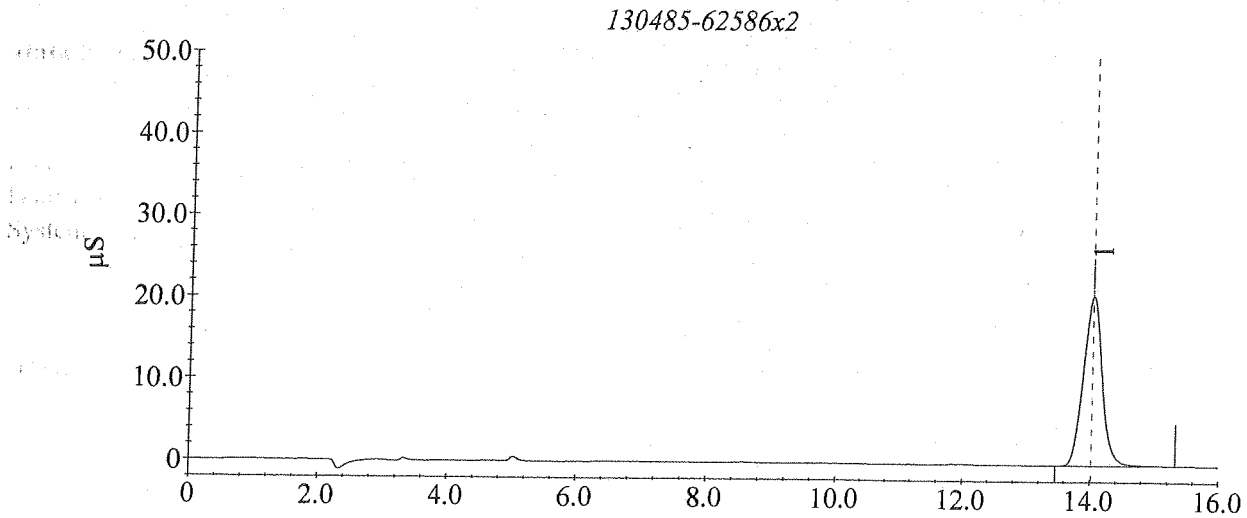
Method File Name : c:\peaknet\method\2013\anions-042513.met

Date Time Collected : 4/25/2013 9:07:39 PM

System Operator : HP/EG

Peak Information : All Peaks

Peak #	Component Name	Retention Time	Amount (ug/ml)	Peak Area	Peak Height
1	Sulfate	14.02	57.55	4199306	207138



HP
c 4/26/13

Sample Analysis Report

Sample Name : 130485-62586x2 dup

Data File Name : C:\PEAKNET\DATA\2013\042513ANIONS\A_038.DXD

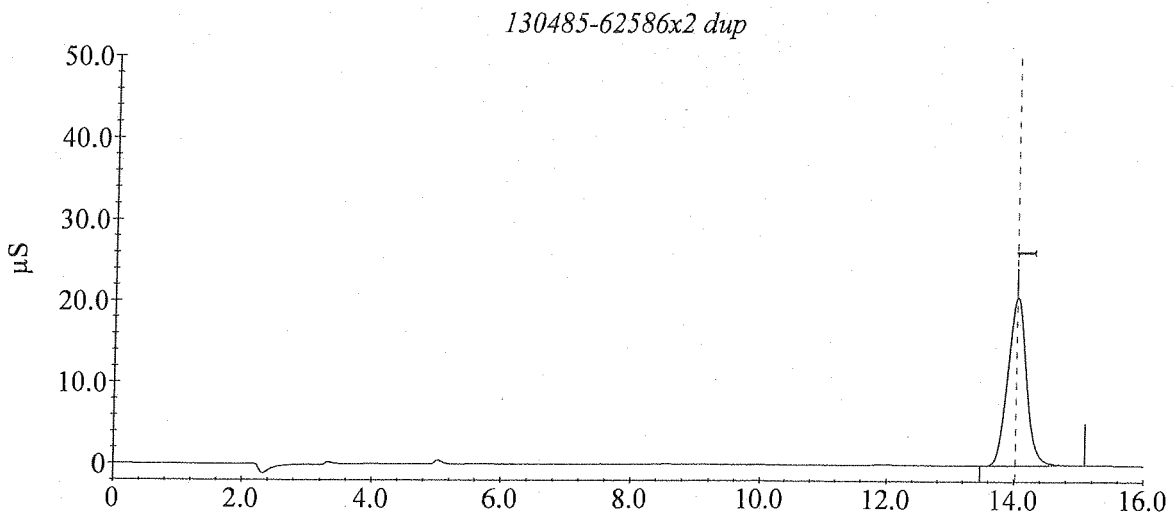
Method File Name : c:\peaknet\method\2013\anions-042513.met

Date Time Collected : 4/25/2013 9:23:56 PM

System Operator : HP/EG

Peak Information : All Peaks

Peak #	Component Name	Retention Time	Amount (ug/ml)	Peak Area	Peak Height
1	Sulfate	14.02	57.08	4161249	205766



Sample Analysis Report

Sample Name : DI Water Blank

Data File Name : C:\PEAKNET\DATA\2013\042513ANIONS\A_039.DXD

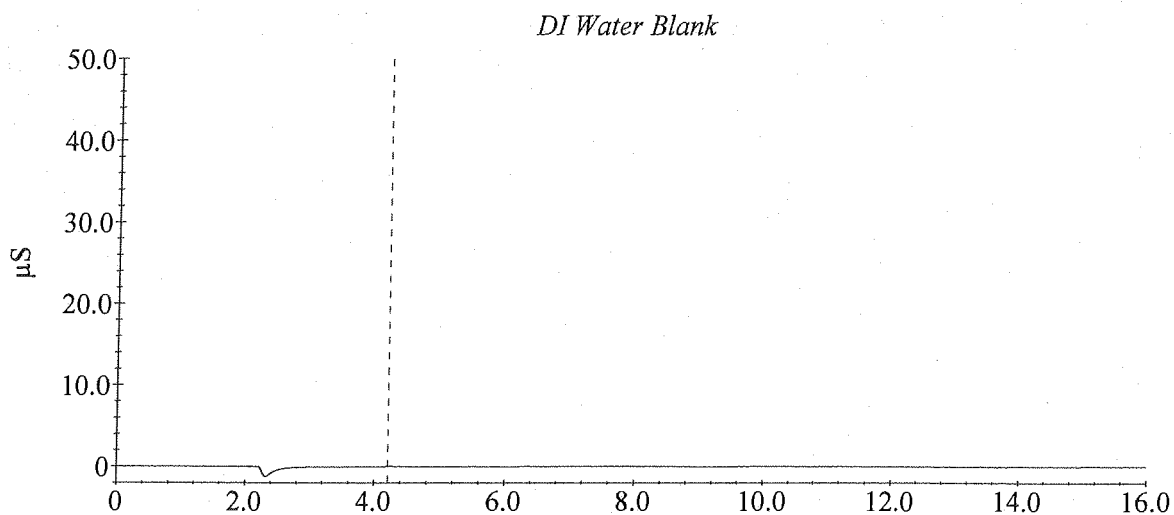
Method File Name : c:\peaknet\method\2013\anions-042513.met

Date Time Collected : 4/25/2013 9:40:14 PM

System Operator : HP/EG

Peak Information : All Peaks

Peak #	Component Name	Retention Time	Amount (ug/ml)	Peak Area	Peak Height
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ES
C 4/26/13

Sample Analysis Report

Sample Name : CCV 25ug/mL SS0746x4

Data File Name : C:\PEAKNET\DATA\2013\042513ANIONS\A_040.DXD

Method File Name : c:\peaknet\method\2013\anions-042513.met

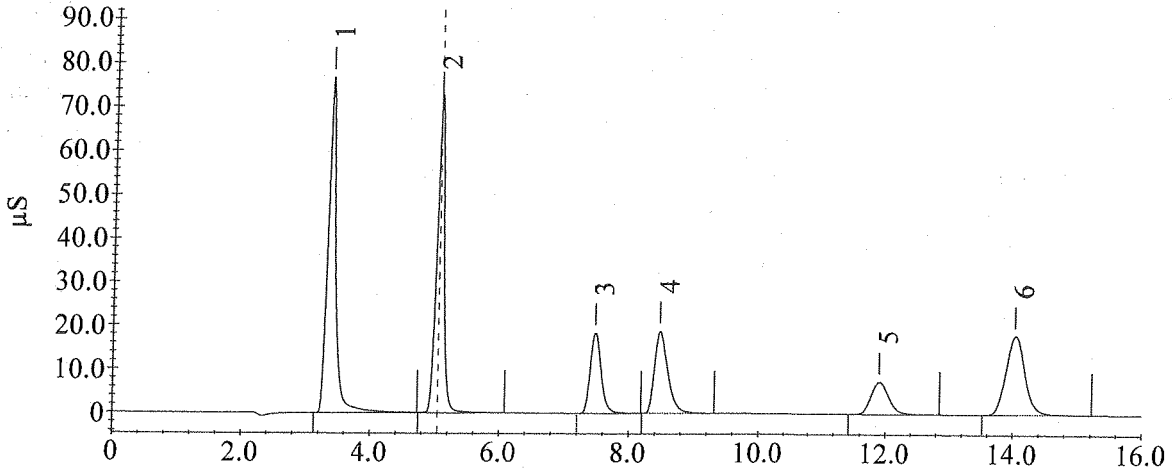
Date Time Collected : 4/25/2013 9:56:31 PM

System Operator : HP/EG

Peak Information : All Peaks

Peak #	Component Name	Retention Time	Amount (ug/ml)	Peak Area	Peak Height
1	Fluoride	3.37	24.04	6762692	763889
2	Chloride	5.05	25.25	5765615	695772
3	Bromide	7.47	25.11	2128092	182283
4	Nitrate	8.47	25.16	2694432	185879
5	Phosphate	11.90	25.76	1388918	72714
6	Sulfate	14.02	25.12	3620772	177713

CCV 25ug/mL SS0746x4



CS
4/26/13

