

## 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) Tubes for Sulfur Dioxide analysis by OSHA Method ID-200. Upon receipt each sample was assigned a unique Laboratory ID number as follows:

Client Sample ID	AAC Sample ID
BZ-1-SO2	130456-62452
F-1-SO2	130456-62461
F-2-SO2	130456-62470
F-3-SO2	130456-62479
SO2 Trip Blank	130456-62493


OSHA ID-200 Analysis – Up to a 5mL aliquot of the sample was injected into the DIONEX IC for analysis following OSHA ID-200 as specified in the SOW.

All sample values were blank corrected using the Trip Blank value for Sulfur Dioxide. 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 OSHAID200.01.

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.



ACH# 130456

**CHAIN OF CUSTODY RECORD / ANALYTICAL REQUEST FORM**

*Amend*

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				Date: 4/17/12 Page 1 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	Special Instructions / Conditions of Receipt					
62447	BZ-1	- Canister	4/16/12	15:48	X	X								X				1 SWIMMA					
62448		- DMPH		15:50			X											1 TUBE					
62449		- Acidi		16:01				X										1 TUBE					
62450		- HCL		16:02					X									1 TUBE					
62451		- Ammonia		15:55						X								1 TUBE					
62452		- SO2		16:00							X							1 TUBE					
62453		- HCN		16:03								X						1 TUBE					
62454		- Amines		15:54									X					1 TUBE					
62455		- Mercury		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: <i>[Signature]</i>				Date: 4/17/12				Time: [ ]				Received By: <i>[Signature]</i>				Date: 4/17/12				Time: [ ]			
Relinquished By: <i>[Signature]</i>				Date: 4/17/12				Time: [ ]				Received By: <i>[Signature]</i>				Date: 4/17/12				Time: [ ]			
Relinquished By: <i>[Signature]</i>				Date: 4/17/12				Time: [ ]				Received By: <i>[Signature]</i>				Date: 4/17/12				Time: [ ]			

SOIL / WATER / AIR PROTECTION ENTERPRISE

ALC# 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

Project Name and Location: BRIDGETON SANITARY LANDFILL AIR QUALITY ASSESSMENT

**REQUESTED TESTS / ANALYSES**

Date: 4/17/13 Page: 2 of 4

Special Instructions / Conditions of Receipt

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	
602456	F-1 - Carister		4/16/13	13:12	X	X								X				1 SUMMA TUBE
602457	- DPH			13:36			X											1 TUBE
602458	- ACIDS			13:30			X											1 TUBE
602459	- HCL			13:34				X										1 TUBE
602460	- AMMONIA			13:28					X									1 TUBE
602461	- SO2			13:39				X										1 TUBE
602462	- HCN			13:22					X									1 TUBE
602463	- AMINES			13:17						X								1 TUBE
602464	- 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: <i>[Signature]</i>	Date: 4/17/13	Time:	Received By: <i>[Signature]</i>	Date: 4/17/13	Time: 0920
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

SOIL / WATER / AIR PROTECTION ENTERPRISE

AACT# / 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				
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		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				
Sampled By: _____				Sampler Signature: _____		
LAB ID	SAMPLE ID NUMBER			Type	Date	Time
622465	F-2 - Cariston				4/6/13	14:12
622466	- DMH					14:23
622467	- Acids					14:19
622468	- H2L					14:39
622464	- Ammonia					14:45
622470	- SO2					14:31
622471	- HCN					14:34
622472	- Amines			14:50		
622473	- Mercury			14:43		
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: 4/17/12		Time: _____		
Received By: _____		Date: 4/17/12		Time: _____		
Relinquished By: _____		Date: _____		Time: _____		
Received By: _____		Date: 4/17/13		Time: 0940		

SOIL / WATER / AIR PROTECTION ENTERPRISE

Special Instructions / Conditions of Receipt

Date: 4/17/12 Page 3 of 4

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

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	Date	Page
62474	F-3 - Canister		4/16/13	15:30	X	X								X				4/17/13	4 of 4
62475	- DNPH			15:20		X												1	SUMMA
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

Special Instructions / Conditions of Receipt

AC# 130456

**CHAIN OF CUSTODY RECORD / ANALYTICAL REQUEST FORM**

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 1 of 1

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	Requested Tests / Analyses	Special Instructions / Conditions of Receipt
62486	ACETHYDES		4/17/13		<input type="checkbox"/> VOCs - EPA TO-15 <input type="checkbox"/> Reduced Sulfur Compounds - ASTM D5504 <input checked="" type="checkbox"/> Carbonyls - EPA TO-11A <input type="checkbox"/> Carboxylic Acids - Tube GC-MS <input type="checkbox"/> HCL - NIOSH 7903 <input type="checkbox"/> Ammonia - OSHA ID-188 <input type="checkbox"/> SO2 - OSHA ID-200 <input type="checkbox"/> HCN - NIOSH 6010 <input type="checkbox"/> Amines - NIOSH 2010M <input type="checkbox"/> Fixed Gases - EPA 3C <input type="checkbox"/> PAHs / Dioxins EPA TO-13A / 9A <input type="checkbox"/> Mercury - NIOSH 6009 <input type="checkbox"/> Odor Evaluation	
62487	AMINES					
62488	AMMONIA					
62489	CARBOXYLIC ACIDS					
62490	HYDROGEN CHLORIDE					
62491	HYDROGEN CYANIDE					
62492	MERCURY					
62493	SULFUR DIOXIDE					

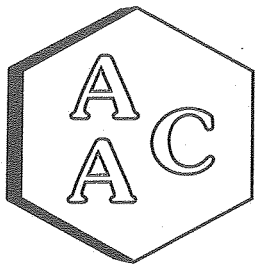
Relinquished By: *John Black* Date: 4/17/13 Time: 4 PM  
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 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received By: *[Signature]* Date: 4/18/13 Time: 1235  
 Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

SOIL / WATER / AIR PROTECTION ENTERPRISE

- FENEX

# 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/sample and ug/m<sup>3</sup>

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

### Sulfur Dioxide Analysis by OSHA Method ID-200

Client Sample ID	AAC Sample ID	Sample Volume (mL)	Analysis DF	Sulfur Dioxide Concentration (ug/sample)	Sample Reporting Limit (ug/sample)	Sulfur Dioxide Concentration (ug/m <sup>3</sup> )	Sample Reporting Limit (ug/m <sup>3</sup> )
BZ-1-SO2	130456-62452	10	1	<SRL	0.534	<SRL	43.7
F-1-SO2	130456-62461	10	1	4.80	0.534	4860	540
F-2-SO2	130456-62470	10	1	8.11	0.534	9220	606
F-3-SO2	130456-62479	10	1	3.09	0.534	2980	513
SO2 Trip Blank	130456-62493	10	1	1.49	0.534	<SRL	534

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

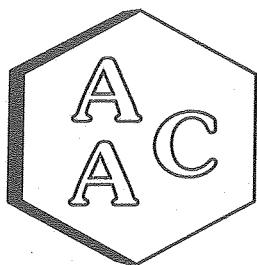
All sample values were blank corrected using the Trip Blank value for Sulfur Dioxide

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 Assess  
AAC Project No. : 130456  
Analyst : EG/HP  
Units : ppbv  
Sampling Date : 04/16/2013  
Receiving Date : 04/17/2013  
Analysis Date : 04/25/2013  
Reporting Date : 04/26/2013

### Sulfur Dioxide Analysis by OSHA Method ID-200

Client Sample ID	AAC Sample ID	Sample Volume (mL)	Analysis DF	Sulfur Dioxide Concentration (ppbv)	Sample Reporting Limit (ppbv)
BZ-1-SO2	130456-62452	10	1	<SRL	16.7
F-1-SO2	130456-62461	10	1	1860	206
F-2-SO2	130456-62470	10	1	3520	231
F-3-SO2	130456-62479	10	1	1140	196
SO2 Trip Blank	130456-62493	10	1	<SRL	204

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

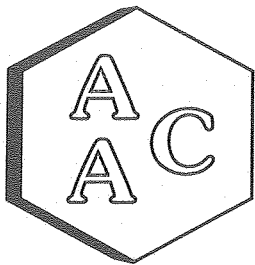
All sample values were blank corrected using the Trip Blank value for Sulfur Dioxide

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 OSHA Method ID-200

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

Instrument ID : DIONEX IC #1

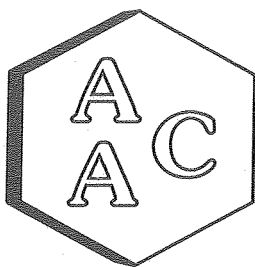
### Calibration Verification of the 04/25/2013 Calibration

Sample ID	Analyte	Theoretical Concentration (ug/mL)	Practical Concentration (ug/mL)	Percent Recovery (%)*
Opening CV	Sulfate	25.0	25.2	101
Continuing CV	Sulfate	25.0	25.3	101
Continuing CV	Sulfate	25.0	25.3	101
Closing CV	Sulfate	25.0	25.1	100
Second Source	Sulfate	25.0	26.4	106

\* Must be 85-115%

  
\_\_\_\_\_  
Marcus Hueppe  
Laboratory Director





# Atmospheric Analysis & Consulting, Inc.

## QUALITY CONTROL/ASSURANCE REPORT

OSHA Method ID-200

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

Instrument ID : DIONEX IC #1

*Method Blank Analysis*

Analyte	Concentration (ug/mL)	SRL (ug/mL)
Sulfate	0.000	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****
Sulfate	0.000	12.5	12.5	12.1	99.7	97.1	2.6

*Matrix Spike Analysis (Sample ID 130456-62493)*

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****
Sulfate	0.143	12.5	12.4	12.1	97.7	95.3	2.4

*Duplicate Sample Analysis*

Sample ID	Analyte	Result (ug/mL)	Duplicate Result (ug/mL)	%RPD *	DF
130485-62586x2	Sulfate	57.6	57.1	0.8	2
130456-62490	Sulfate	<SRL	<SRL	NA	1
130456-62493	Sulfate	0.280	0.290	3.5	1

\* Must be <5%

\*\* Must be 85-115%

\*\*\* Must be 75-125%

\*\*\*\* Must be < 25%

SRL - Sample Reporting Limit

*Marcus Hueppe*

Marcus Hueppe  
 Laboratory Director

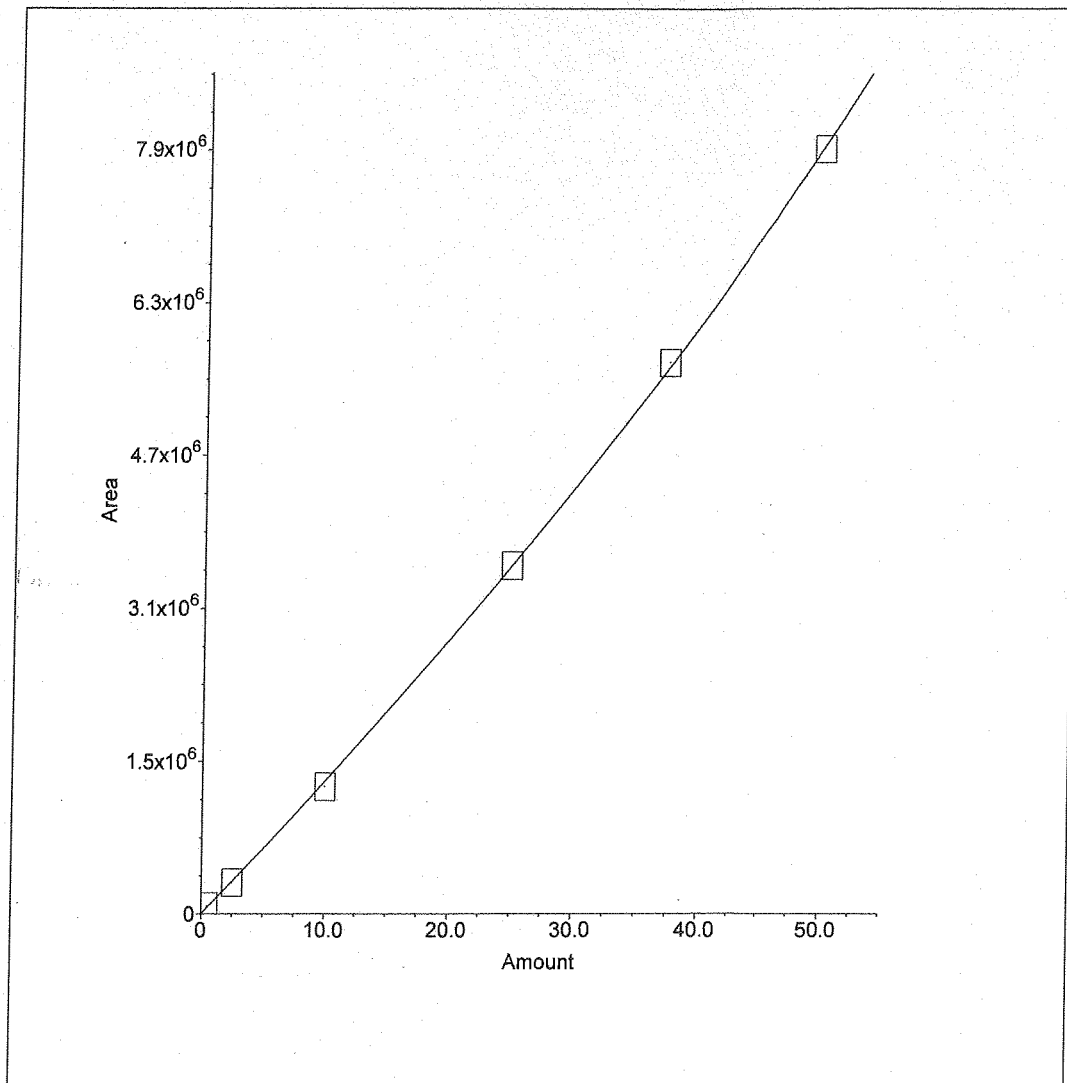


# Calibration Summary

6. Component:Sulfate  
Standard:External Fit Type:Quadratic  
Origin:Force Calibration:Area  
 $r^2=0.999890$   
 $Amt=-1.492280e-013*Resp^2+$   
 $7.479232e-006*Resp+0$

PeakNet 0.21

Method:Area



# Raw Data

# Sample Analysis Report

Sample Name : DI Water Blank

Data File Name : C:\PEAKNET\DATA\2013\042513\ANIONSIA\_009.DXD

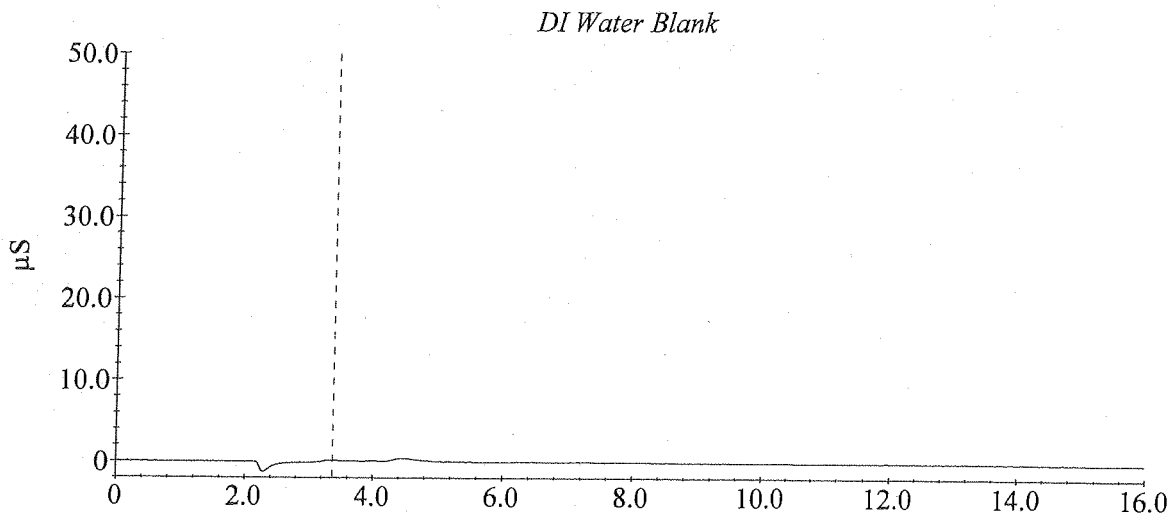
Method File Name : c:\peaknet\method\2013\anions-042513.met

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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HP  
04/25/13



# Sample Analysis Report

Sample Name : CCV 25ug/mL SS0746x4

Data File Name : C:\PEAKNET\DATA\2013\042513\ANION 3\A\_010.DXD

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

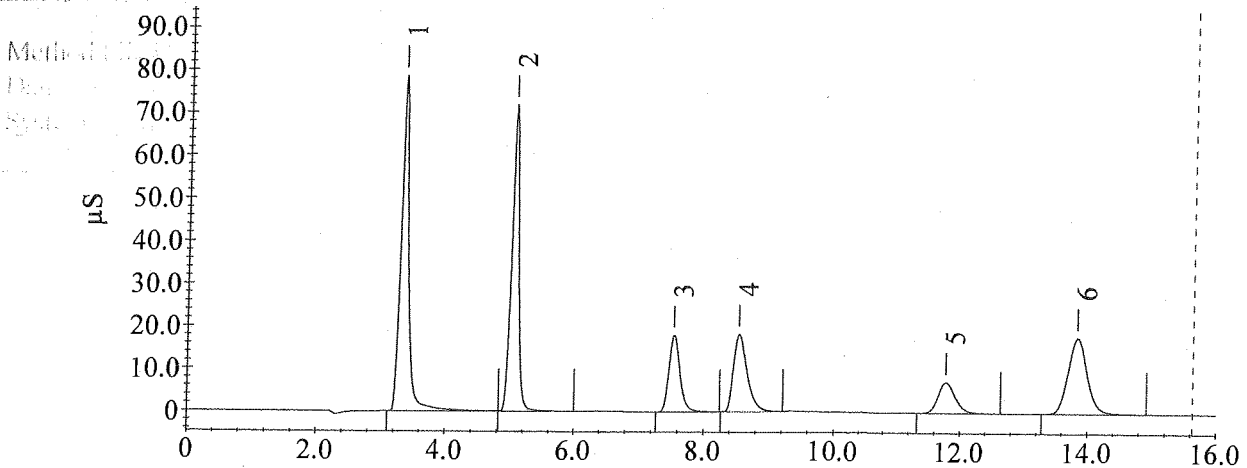
Date Time Collected : 4/25/2013 12:16:30 PM

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

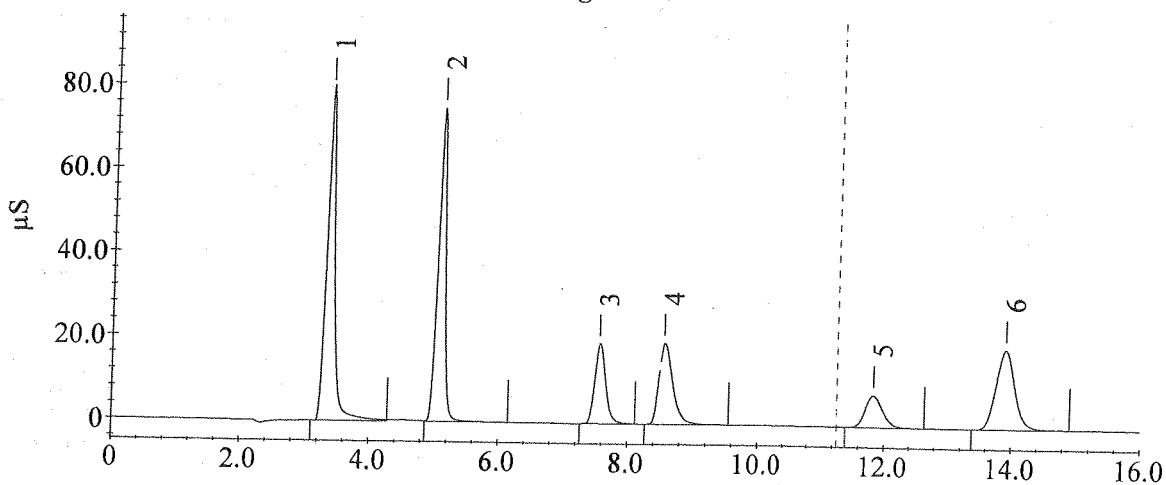
Date Time Collected : 4/25/2013 12:32:47 PM

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

SS 25ug/ml SS0664x4



# Sample Analysis Report

Sample Name : Method Blank

Data File Name : C:\PEAKNET\DATA\2013\042513\ANIONS\A\_012.DXD

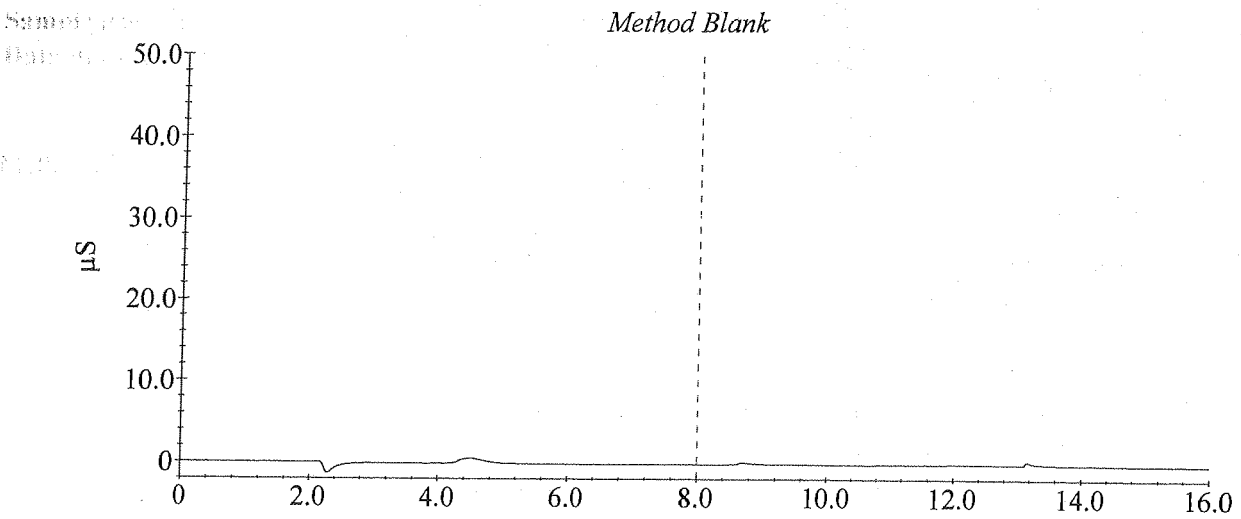
Method File Name : c:\peaknet\method\2013\anions-042513.met

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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55  
04/25/13

# Sample Analysis Report

Sample Name : LCS 12.5ug/ml SS0746x8

Data File Name : C:\PEAKNET\DATA\2013\042513ANIONS\A\_013.DXD

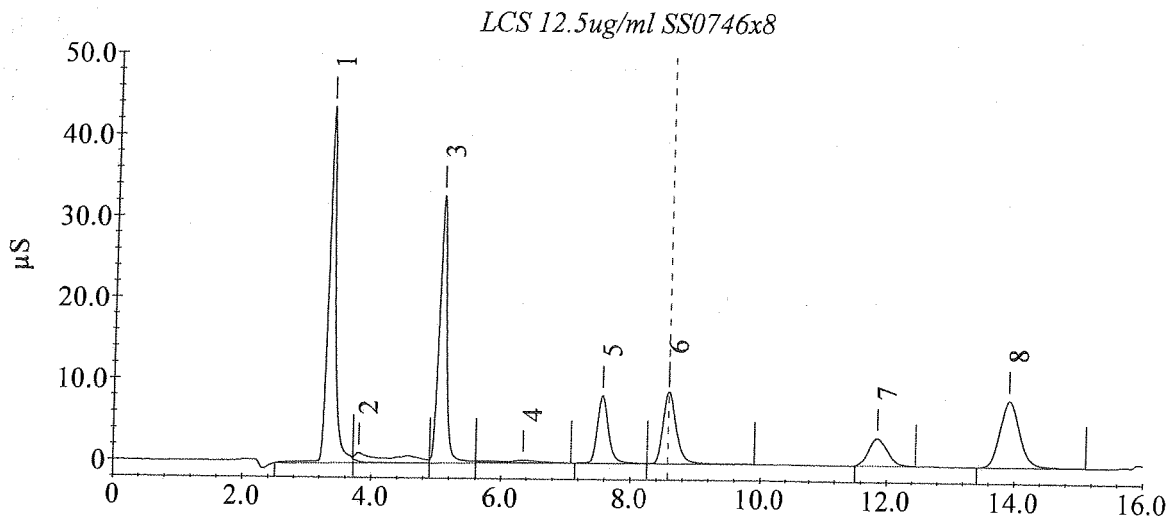
Method File Name : c:\peaknet\method\2013\anions-042513.met

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\042513ANIONSIA\_014.DXD

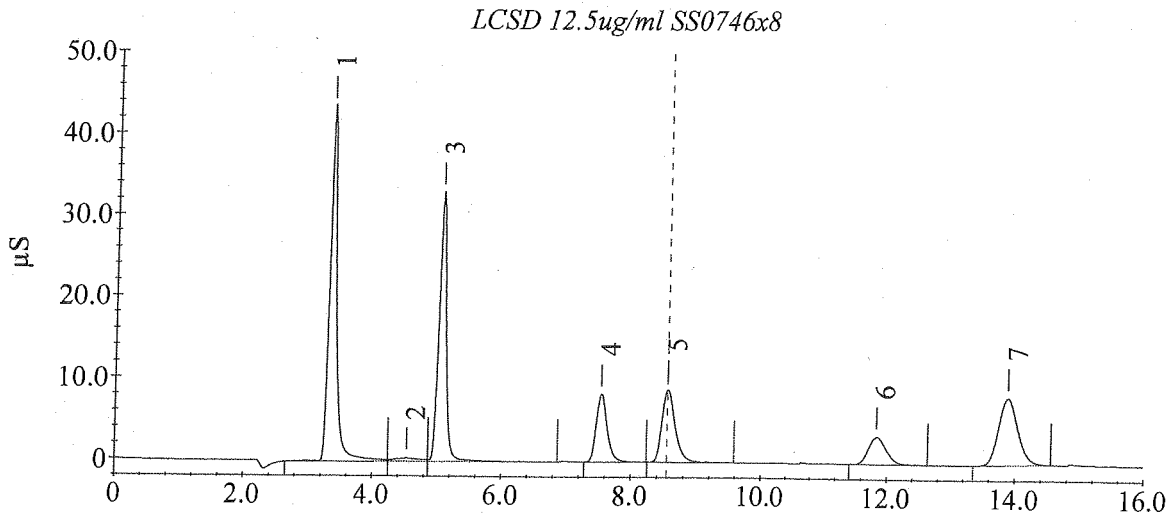
Method File Name : c:\peaknet\method\2013\anions-042513.met

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 : DI Water Blank

Data File Name : C:\PEAKNET\DATA\2013\042513ANIONS\A\_019.DXD

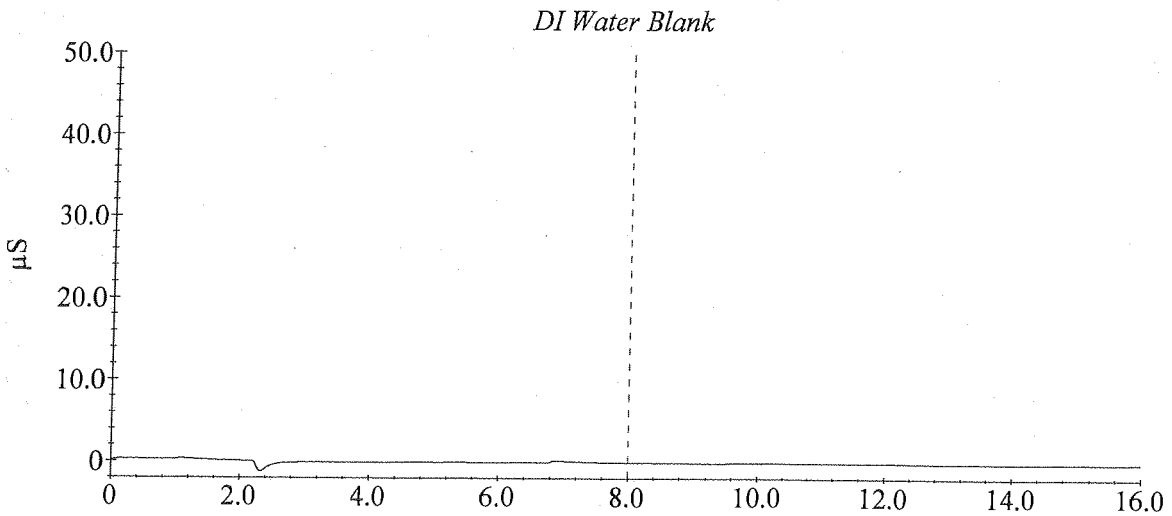
Method File Name : c:\peaknet\method\2013\anions-042513.met

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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# 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

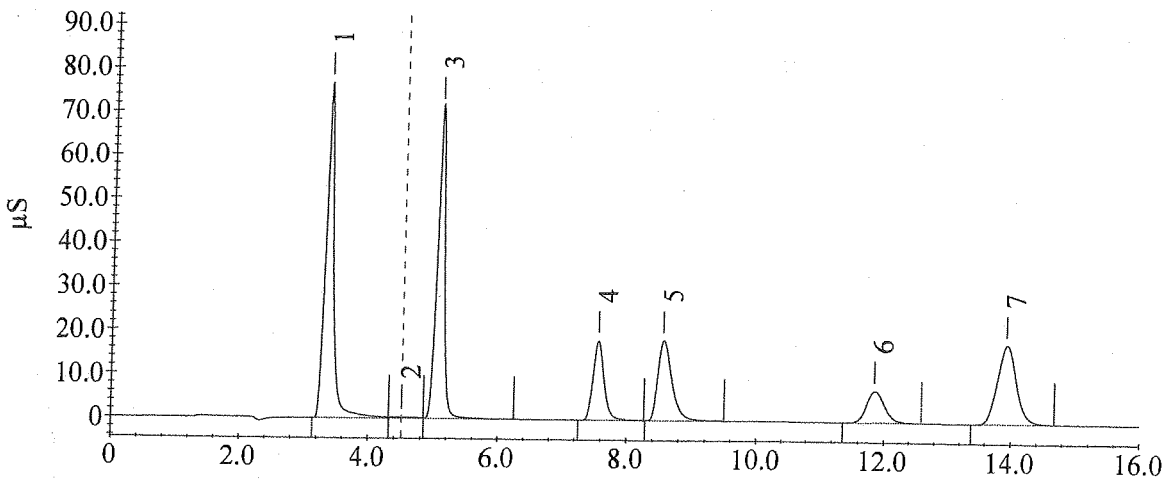
Date Time Collected : 4/25/2013 4:02:14 PM

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

CCV 25ug/mL SS0746x4



EC  
C4/25/13

# Sample Analysis Report

Sample Name : 130456-62490

Data File Name : C:\PEAKNET\DATA\2013\042513\ANIONS\A\_021.DXD

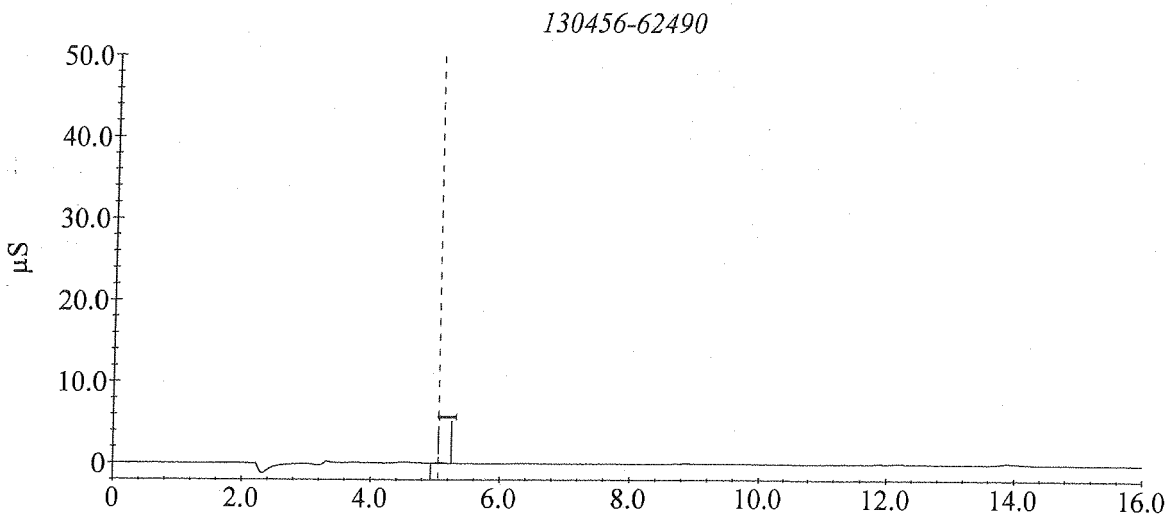
Method File Name : c:\peaknet\method\2013\anions-042513.met

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

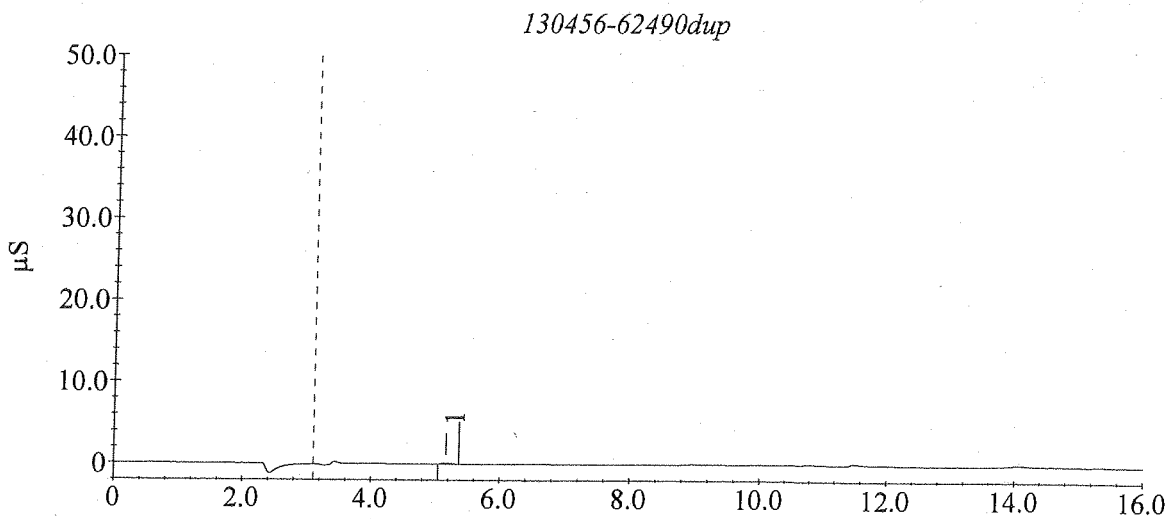
Method File Name : c:\peaknet\method\2013\anions-042513.met

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



CC  
04/25/13

# Sample Analysis Report

Sample Name : DI Water Blank

Data File Name : C:\PEAKNET\DATA\2013\042513ANIONS\A\_027.DXD

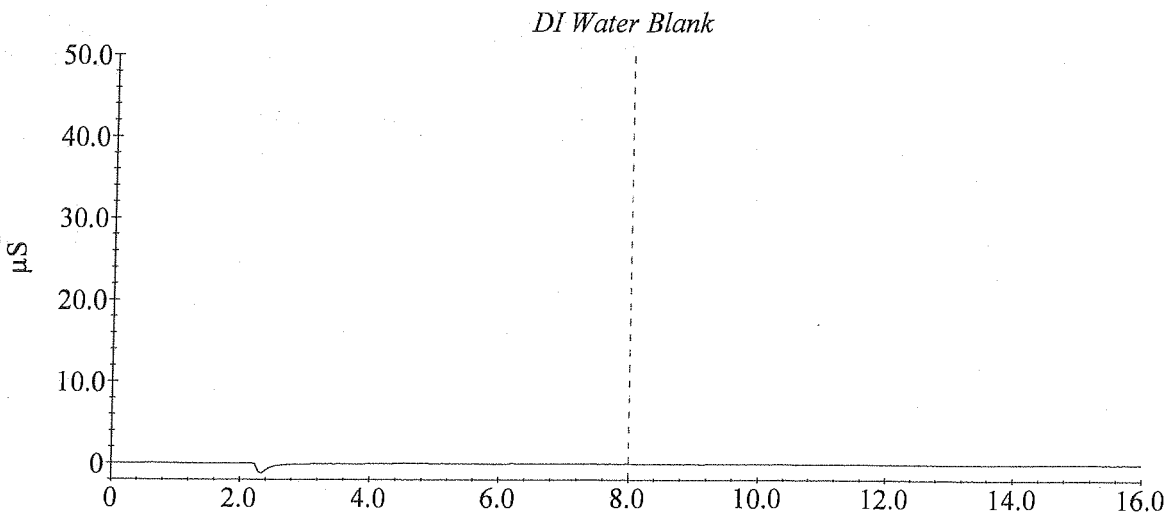
Method File Name : c:\peaknet\method\2013\anions-042513.mei

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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EG  
4/26/13

# Sample Analysis Report

Sample Name : CCV 25ug/mL SS0746x4

Data File Name : C:\PEAKNET\DATA\2013\042513ANIONS\A\_028.DXD

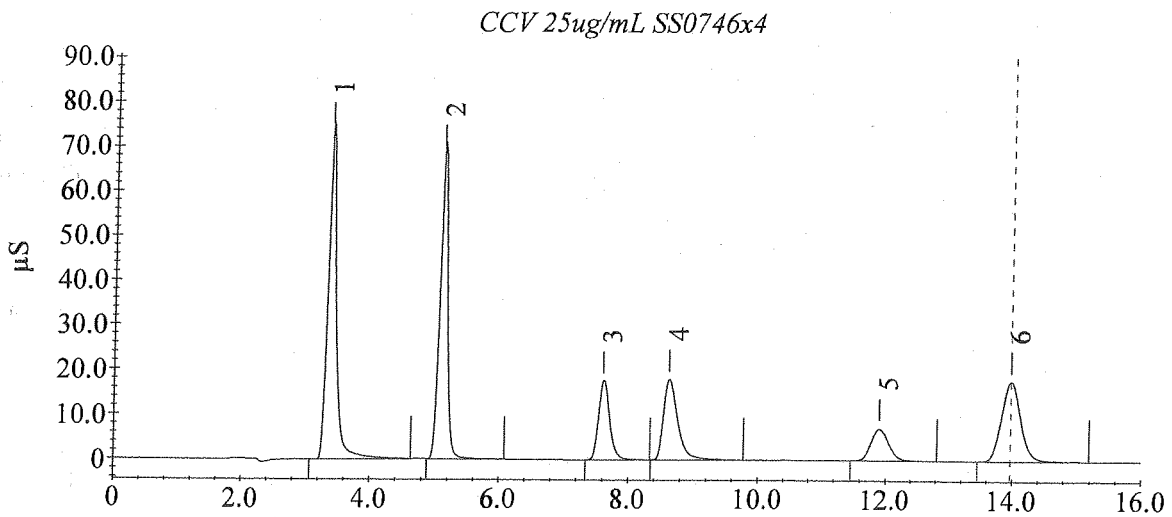
Method File Name : c:\peaknet\method\2013\anions-042513.met

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



CC  
04/26/13

# Sample Analysis Report

Sample Name : MS 12.5 ug/ml (130456-62493)

Data File Name : C:\PEAKNET\DATA\2013\042513ANIONS\A\_029.DXD

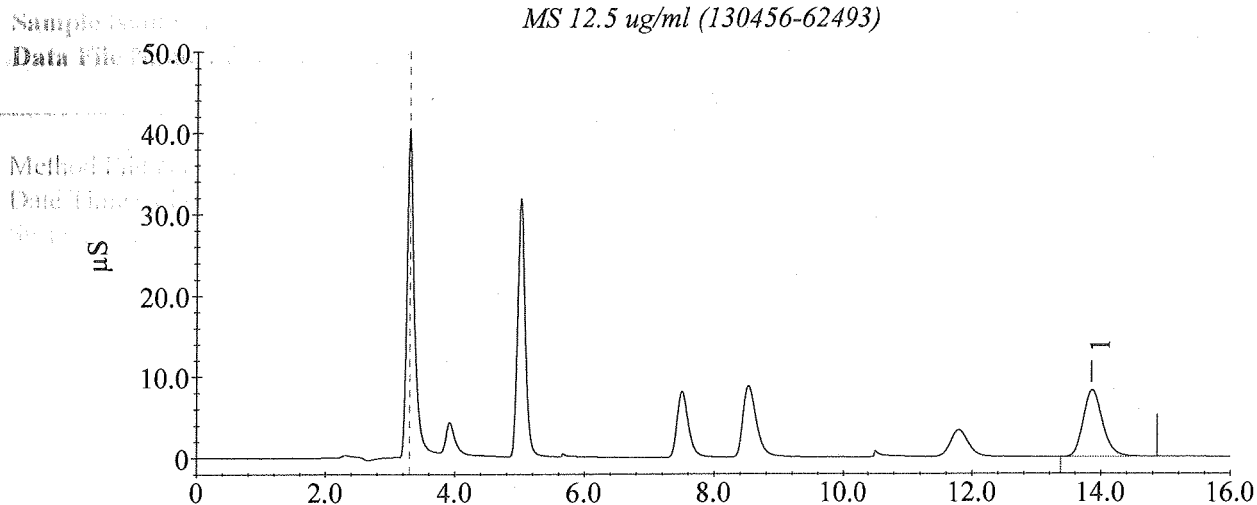
Method File Name : c:\peaknet\method\2013\anions-042513.met

Date Time Collected : 4/25/2013 6:57:21 PM

System Operator : HP/EG

## Peak Information : All Peaks

Peak #	Component Name	Retention Time	Amount (ug/ml)	Peak Area	Peak Height
1	Sulfate	13.85	12.35	1709501	81089



# Sample Analysis Report

Sample Name : MSD 12.5 ug/ml (130456-62493)

Data File Name : C:\PEAKNET\DATA\2013\042513ANIONS\A\_030.DXD

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

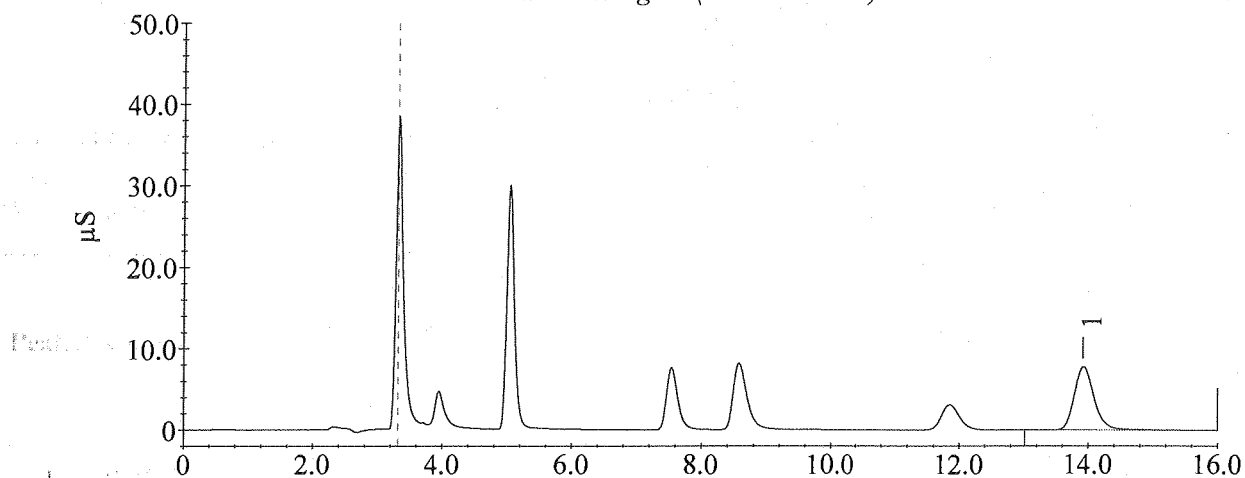
Date Time Collected : 4/25/2013 7:13:38 PM

System Operator : HP/EG

## Peak Information : All Peaks

Peak #	Component Name	Retention Time	Amount (ug/ml)	Peak Area	Peak Height
1	Sulfate	13.92	12.06	1668591	77815

MSD 12.5 ug/ml (130456-62493)



EG  
4/26/13

# Sample Analysis Report

Sample Name : 130456-62493

Data File Name : C:\PEAKNET\DATA\2013\042513ANIONS\a\_031.DXD

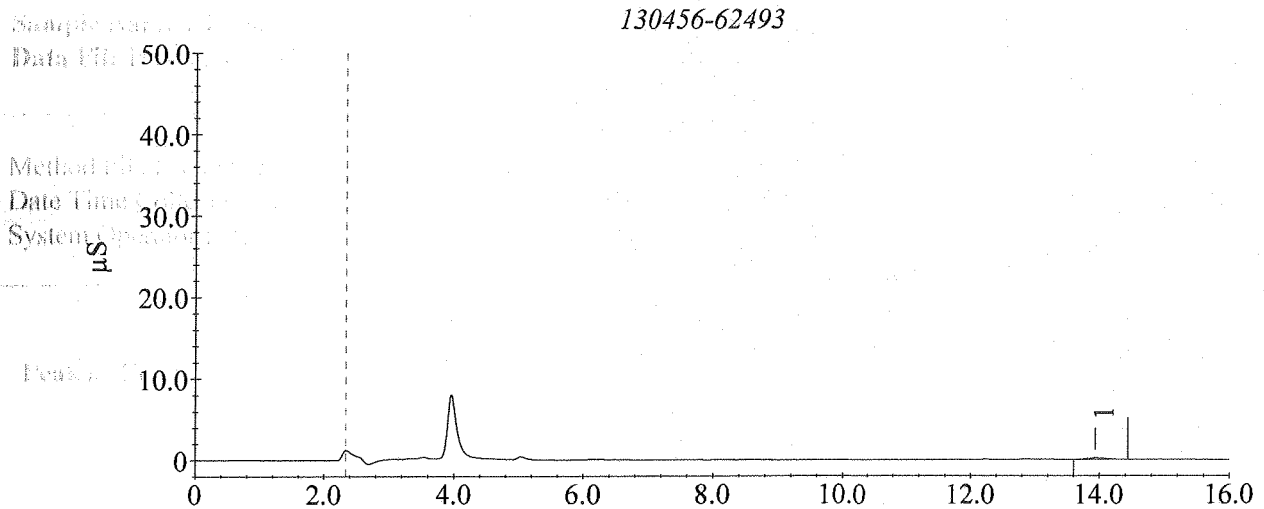
Method File Name : c:\peaknet\method\2013\anions-042513.met

Date Time Collected : 4/25/2013 7:29:56 PM

System Operator : HP/EG

## Peak Information : All Peaks

Peak #	Component Name	Retention Time	Amount (ug/ml)	Peak Area	Peak Height
1	Sulfate	13.93	0.28	36987	1790



EG  
2012013

# Sample Analysis Report

Sample Name : 130456-62493dup

Data File Name : C:\PEAKNET\DATA\2013\042513ANIONS\A\_032.DXD

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

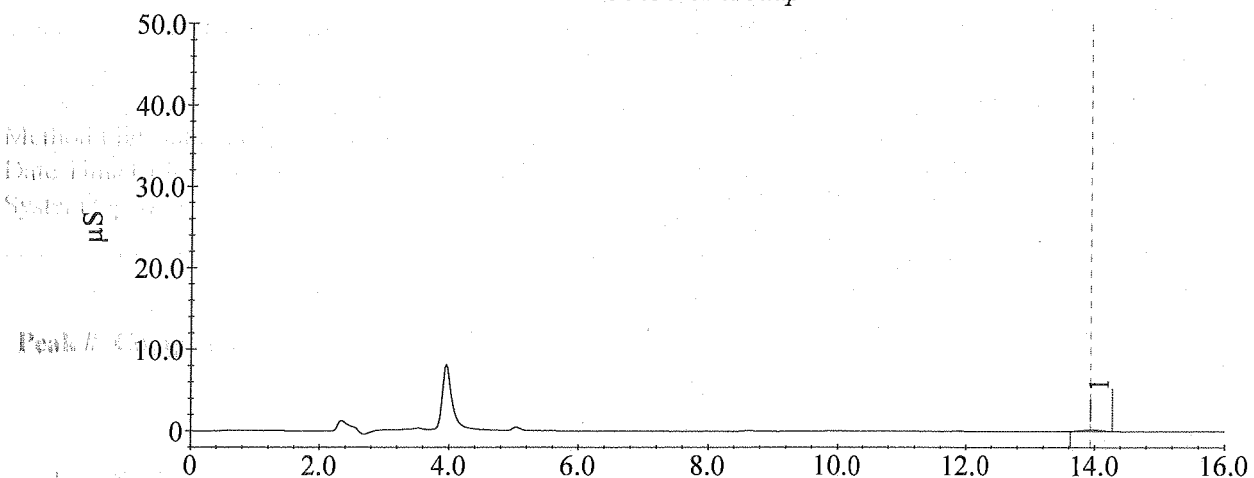
Date Time Collected : 4/25/2013 7:46:13 PM

System Operator : HP/EG

## Peak Information : All Peaks

Peak #	Component Name	Retention Time	Amount (ug/ml)	Peak Area	Peak Height
1	Sulfate	13.93	0.29	39009	1893

130456-62493dup



EG  
curran

# Sample Analysis Report

Sample Name : 130456-62452

Data File Name : C:\PEAKNET\DATA\2013\042513ANIONS\A\_033.DXD

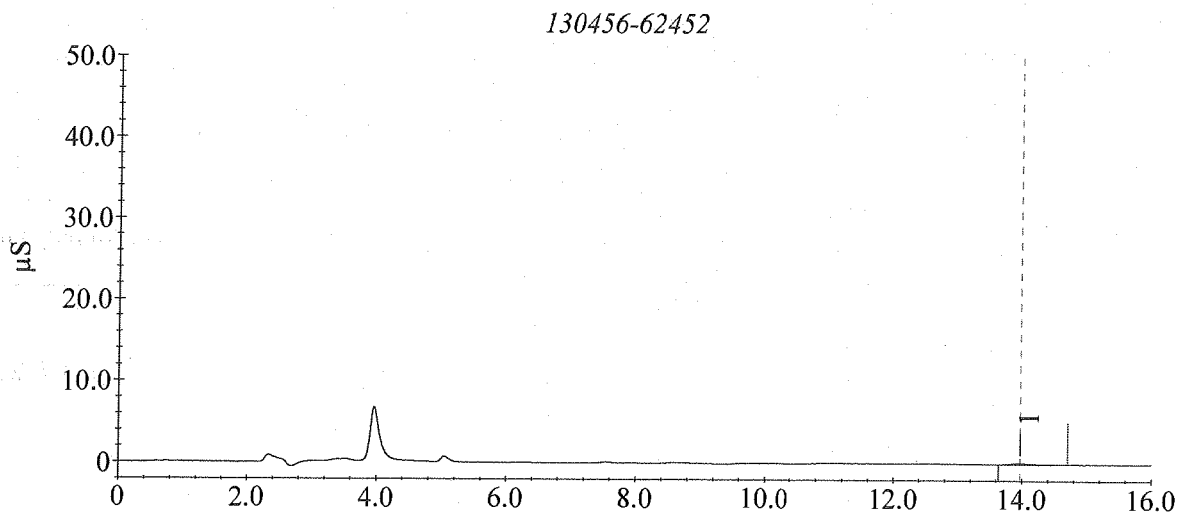
Method File Name : c:\peaknet\method\2013\anions-042513.met

Date Time Collected : 4/25/2013 8:02:29 PM

System Operator : HP/EG

## Peak Information : All Peaks

Peak #	Component Name	Retention Time	Amount (ug/ml)	Peak Area	Peak Height
1	Sulfate	13.97	0.24	31523	1438



CS  
24/2417



# Sample Analysis Report

Sample Name : 130456-62461

Data File Name : C:\PEAKNET\DATA\2013\042513ANIONS\A\_034.DXD

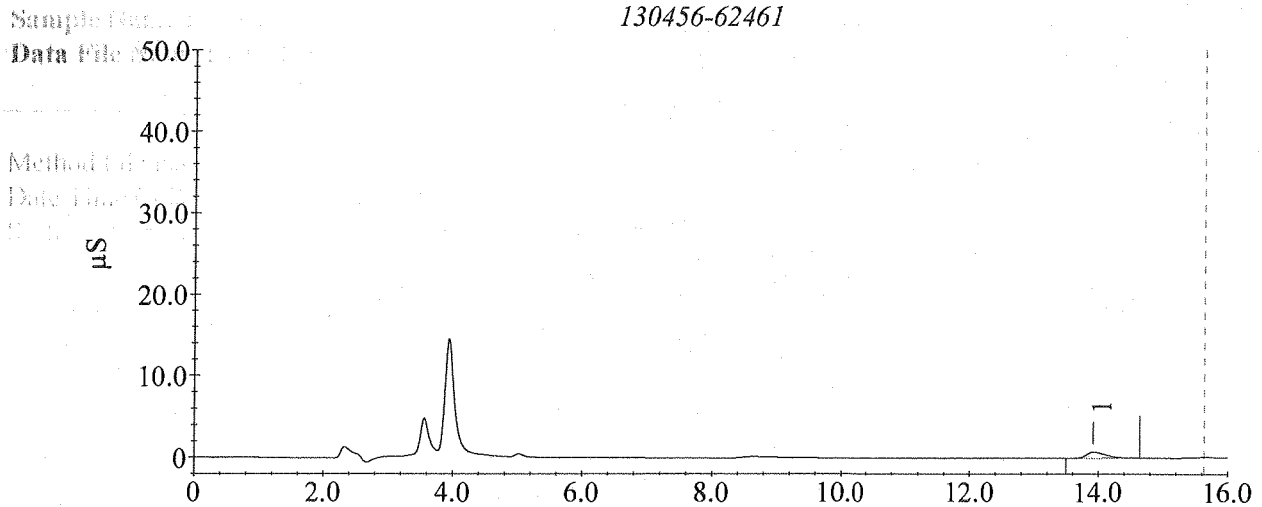
Method File Name : c:\peaknet\method\2013\anions-042513.met

Date Time Collected : 4/25/2013 8:18:47 PM

System Operator : HP/EG

## Peak Information : All Peaks

Peak #	Component Name	Retention Time	Amount (ug/ml)	Peak Area	Peak Height
1	Sulfate	13.92	1.18	158599	7324



EG  
E0461

# Sample Analysis Report

Sample Name : 130456-62470

Data File Name : C:\PEAKNET\DATA\2013\042513ANIONS\A\_035.DXD

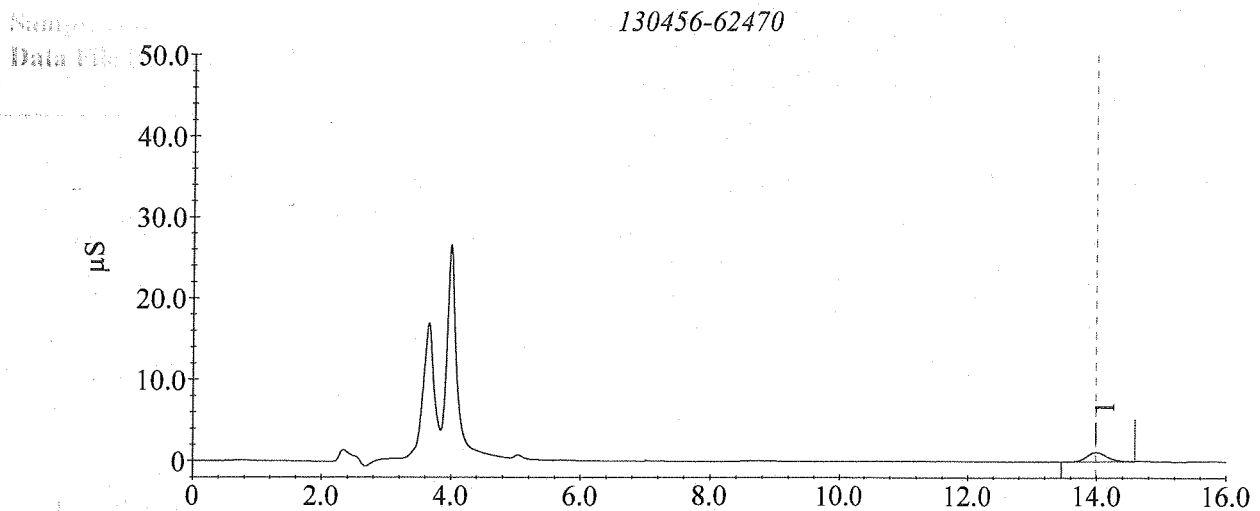
Method File Name : c:\peaknet\method\2013\anions-042513.met

Date Time Collected : 4/25/2013 8:35:04 PM

System Operator : HP/EG

## Peak Information : All Peaks

Peak #	Component Name	Retention Time	Amount (ug/ml)	Peak Area	Peak Height
1	Sulfate	13.98	1.80	242073	11308



HP/EG  
4/26/13

# Sample Analysis Report

Sample Name : 130456-62479

Data File Name : C:\PEAKNET\DATA\2013\042513\ANIONS\A\_036.DXD

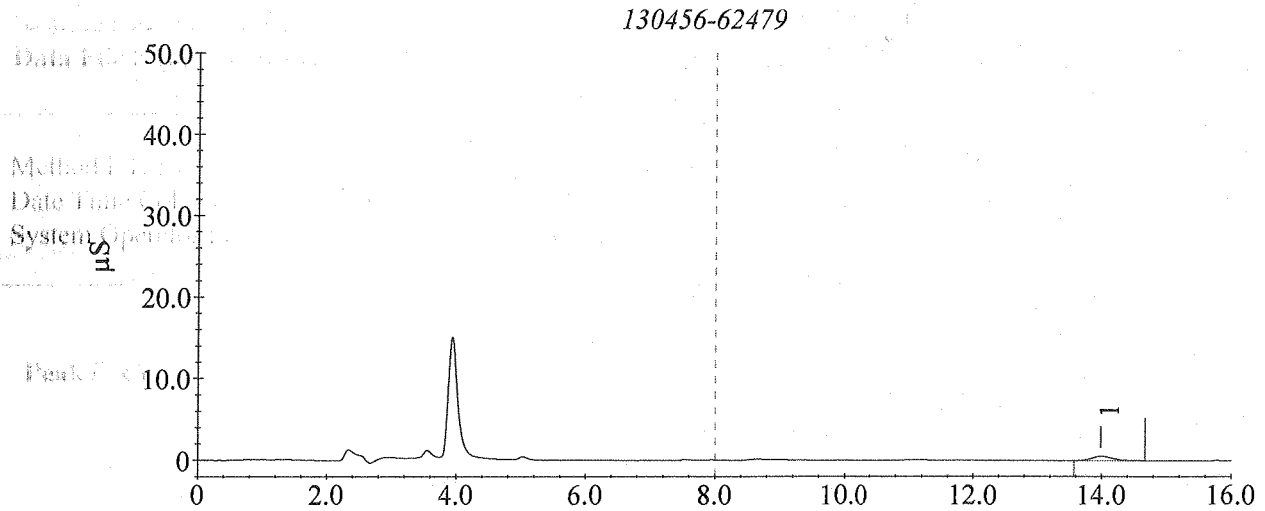
Method File Name : c:\peaknet\method\2013\anions-042513.mel

Date Time Collected : 4/25/2013 8:51:22 PM

System Operator : HP/EG

## Peak Information : All Peaks

Peak #	Component Name	Retention Time	Amount (ug/ml)	Peak Area	Peak Height
1	Sulfate	13.98	0.86	115297	5293



EG  
29126A

# 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

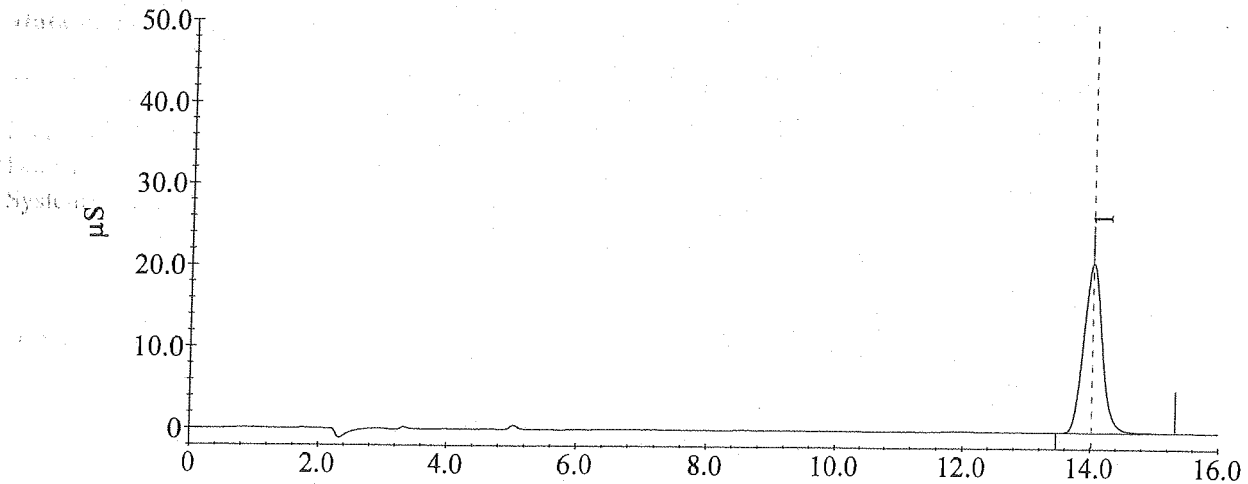
Date Time Collected : 4/25/2013 9:07:39 PM

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

130485-62586x2



56  
2/26/13

# Sample Analysis Report

Sample Name : 130485-62586x2 dup

Data File Name : C:\PEAKNET\DATA\2013\042513ANIONS\A\_038.DXD

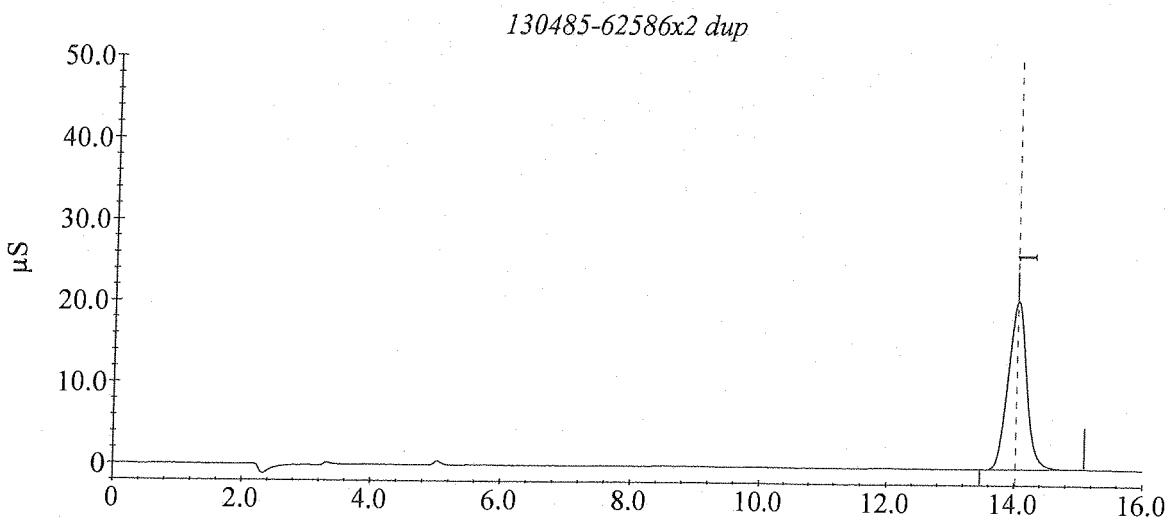
Method File Name : c:\peaknet\method\2013\anions-042513.met

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

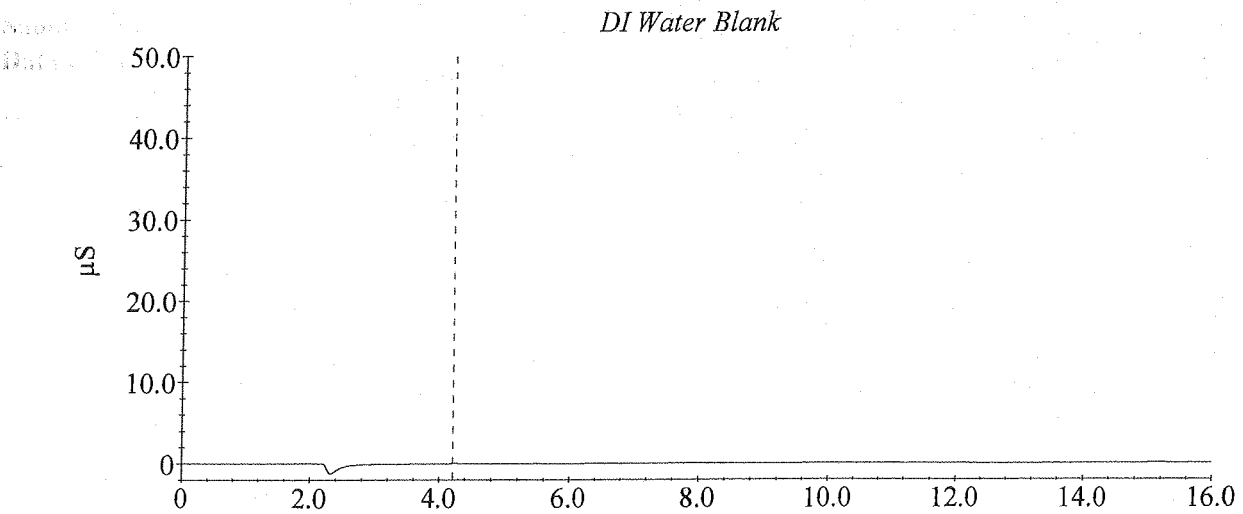
Method File Name : c:\peaknet\method\2013\anions-042513.met

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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SS  
C412613

# 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

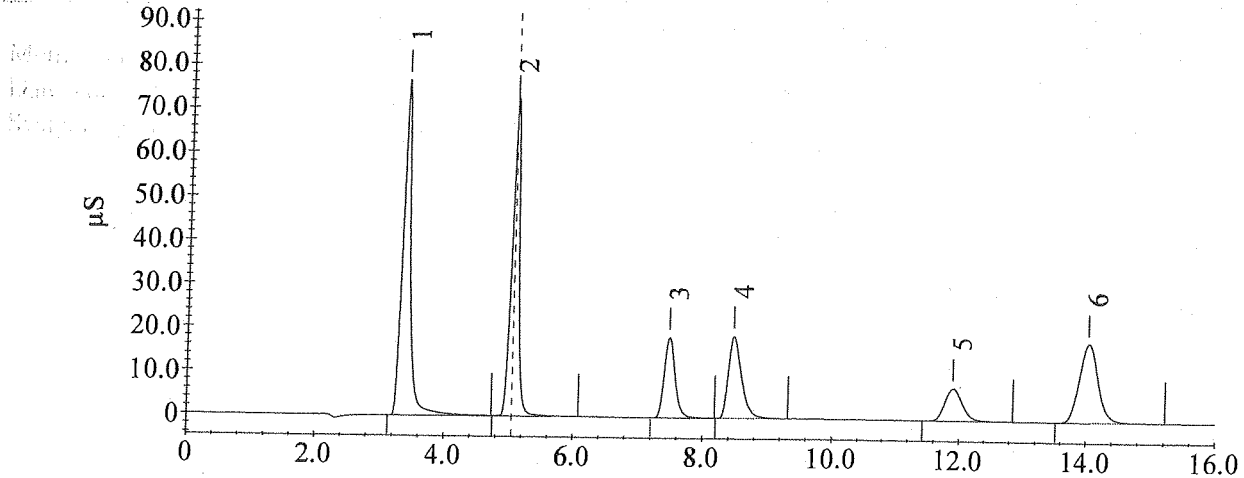
System Operator : HP/EG

## 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

DATE:

CCV 25ug/mL SS0746x4



CC  
4/26/13

Sample	Sample Type	Level	Method	Data File
DI Water Blank	Sample		anions-042513.met	2013\042513anions\001.dxd
C1 0.1ug/ml SS0746x1000	Sample		anions-042513.met	2013\042513anions\002.dxd
C2 0.5ug/ml SS0746x200	Sample		anions-042513.met	2013\042513anions\003.dxd
C3 2.5ug/ml SS0746x40	Sample		anions-042513.met	2013\042513anions\004.dxd
C4 10.0ug/ml SS0746x10	Sample		anions-042513.met	2013\042513anions\005.dxd
C5 25.0ug/ml SS0746x4	Sample		anions-042513.met	2013\042513anions\006.dxd
C6 37.5ug/ml SS0746x2.67	Sample		anions-042513.met	2013\042513anions\007.dxd
C7 50.0ug/ml SS0746x2	Sample		anions-042513.met	2013\042513anions\008.dxd
DI Water Blank	Sample		anions-042513.met	2013\042513anions\009.dxd
CCV 25ug/ml SS0746x4	Sample		anions-042513.met	2013\042513anions\010.dxd
SS 25ug/ml SS0664x4	Sample		anions-042513.met	2013\042513anions\011.dxd
Method Blank	Sample		anions-042513.met	2013\042513anions\012.dxd
LCS 12.5ug/ml SS0746x8	Sample		anions-042513.met	2013\042513anions\013.dxd
MS 12.5 ug/ml (130456-62586)	Sample		anions-042513.met	2013\042513anions\014.dxd
MSD 12.5 ug/ml (130456-62586)	Sample		anions-042513.met	2013\042513anions\015.dxd
130456-62586	Sample		anions-042513.met	2013\042513anions\016.dxd
130456-62586 dup	Sample		anions-042513.met	2013\042513anions\017.dxd
DI Water Blank	Sample		anions-042513.met	2013\042513anions\018.dxd
CCV 25ug/ml SS0746x4	Sample		anions-042513.met	2013\042513anions\019.dxd
130456-62460	Sample		anions-042513.met	2013\042513anions\020.dxd
130456-62450	Sample		anions-042513.met	2013\042513anions\021.dxd
130456-62459	Sample		anions-042513.met	2013\042513anions\022.dxd
130456-62468	Sample		anions-042513.met	2013\042513anions\023.dxd
130456-62477	Sample		anions-042513.met	2013\042513anions\024.dxd
DI Water Blank	Sample		anions-042513.met	2013\042513anions\025.dxd
CCV 25ug/ml SS0746x4	Sample		anions-042513.met	2013\042513anions\026.dxd
MS 12.5 ug/ml (130456-62493)	Sample		anions-042513.met	2013\042513anions\027.dxd
MSD 12.5 ug/ml (130456-62493)	Sample		anions-042513.met	2013\042513anions\028.dxd
130456-62493	Sample		anions-042513.met	2013\042513anions\029.dxd
130456-62483	Sample		anions-042513.met	2013\042513anions\030.dxd
130456-62452	Sample		anions-042513.met	2013\042513anions\031.dxd
130456-62451	Sample		anions-042513.met	2013\042513anions\032.dxd
130456-62479	Sample		anions-042513.met	2013\042513anions\033.dxd
130456-62479	Sample		anions-042513.met	2013\042513anions\034.dxd
130485-62566x2	Sample		anions-042513.met	2013\042513anions\035.dxd
130485-62566x2 dup	Sample		anions-042513.met	2013\042513anions\036.dxd
DI Water Blank	Sample		anions-042513.met	2013\042513anions\037.dxd
CCV 25ug/ml SS0746x4	Sample		anions-042513.met	2013\042513anions\038.dxd
End	Sample		stopgp40.met	2013\042513anions\040.dxd

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