@AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

COMPREHENSIVE VALIDATION PACKAGE

ATL Subcontract

INVENTORY SHEET

WORK ORDER # 0909127D/E

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-Surrogate Recovery Summary (If Applicable)		
-Chromatogram(s) and Ion Profiles (If Applicable)		
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Completed by:

Kara McKiernan	Kara McKiernan/ Document Control	10/23/09
(Signature)	(Print Name & Title)	(Date)

Air Toxics LTD.
Laboratory Services Since 1989

SAMPLE RECEIPT SUMMARY

WORKORDER 0909127D

Client

Mr. Taeko Minegishi
Environmental Health &
Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494

Phone

800-825-5343

Fax

781-247-4305

Sales Rep: TL

Date Promised: 09/16/09 11:59 pm
Date Completed: 10/10/09
Date Received: 9/4/09
PO#: 16512
Project#: 16512

Total $: $ 2,820.00
Logged By: MG

Fraction	Sample #	Analysis	Collected	Amount$
01A	101788	SubContract	9/1/2009	$0.00
02A	100789	SubContract	9/1/2009	$0.00
03A	100790	SubContract	9/1/2009	$0.00
04A	100791	SubContract	9/1/2009	$0.00
05A	100792	SubContract	9/1/2009	$0.00
06A	100793	SubContract	NA	$0.00
07A	102422	SubContract	9/1/2009	$0.00
08A	102423	SubContract	9/1/2009	$0.00
09A	102424	SubContract	9/1/2009	$0.00
10A	102425	SubContract	9/1/2009	$0.00
11A	102426	SubContract	9/1/2009	$0.00
12A	102427	SubContract	NA	$0.00
13A	102492	SubContract	9/1/2009	$0.00
14A	102493	SubContract	9/1/2009	$0.00
15A	102494	SubContract	9/1/2009	$0.00
16A	102495	SubContract	9/1/2009	$0.00
17A	102496	SubContract	9/1/2009	$0.00
18A	102402	SubContract	NA	$0.00
19A	102555	SubContract	9/2/2009	$0.00
20A	102556	SubContract	9/2/2009	$0.00

Note: Samples received after 3 P.M. PST are considered to be received on the following work day.
Atlas Project Name/Profile#: CPSC Indoor Air Monitoring/13297

BILL TO: Accounts Payable
Environmental Health & Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494

Analysis Code: SubContract

TERMS:

Reporting Method: ATL Application #61 NO2-Radiello 166

WORK ORDER #: 0909127D

Work Order Summary

CLIENT:	Mr. Taeko Minegishi Environmental Health & Engineering, Inc. 117 Fourth Avenue Needham, MA 02494	**BILL TO:**	Accounts Payable Environmental Health & Engineering, Inc. 117 Fourth Avenue Needham, MA 02494
PHONE:	800-825-5343	**P.O. #**	16512
FAX:	781-247-4305	**PROJECT #**	16512
DATE RECEIVED:	09/04/2009	**CONTACT:**	Ausha Scott
DATE COMPLETED:	10/10/2009		

FRACTION #	NAME	TEST
01A	101788	SubContract
02A	100789	SubContract
03A	100790	SubContract
04A	100791	SubContract
05A	100792	SubContract
06A	100793	SubContract
07A	102422	SubContract
08A	102423	SubContract
09A	102424	SubContract
10A	102425	SubContract
11A	102426	SubContract
12A	102427	SubContract
13A	102492	SubContract
14A	102493	SubContract
15A	102494	SubContract
16A	102495	SubContract
17A	102496	SubContract
18A	102402	SubContract

Continued on next page

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DATE RECEIVED:	09/04/2009	**CONTACT:**	Ausha Scott
DATE COMPLETED:	10/10/2009		

FRACTION #	NAME	TEST
19A	102555	SubContract
20A	102556	SubContract
21A	102557	SubContract
22A	102558	SubContract
23A	102559	SubContract
24A	102560	SubContract
25A	102675	SubContract
26A	102676	SubContract
27A	102677	SubContract
28A	102678	SubContract
29A	102679	SubContract
30A	102680	SubContract
31A	102109	SubContract
32A	102110	SubContract
33A	102111	SubContract
34A	102112	SubContract
35A	102113	SubContract
36A	102133	SubContract
37A	102134	SubContract
38A	102135	SubContract
39A	102136	SubContract

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FAX:	781-247-4305	**PROJECT #**	16512
DATE RECEIVED:	09/04/2009	**CONTACT:**	Ausha Scott
DATE COMPLETED:	10/10/2009		

FRACTION #	NAME	TEST
40A	102137	SubContract
41A	102138	SubContract
42A	102165	SubContract
43A	102166	SubContract
44A	102167	SubContract
45A	102168	SubContract
46A	102169	SubContract
47A	102170	SubContract
48A	Method Blank	SubContract
48B	Method Blank	SubContract
49A	CCV	SubContract

CERTIFIED BY: Linda D. Truman

Laboratory Director

DATE: 10/10/09

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WORK ORDER #: 0909127E

Work Order Summary

CLIENT:	Mr. Taeko Minegishi Environmental Health & Engineering, Inc. 117 Fourth Avenue Needham, MA 02494	**BILL TO:**	Accounts Payable Environmental Health & Engineering, Inc. 117 Fourth Avenue Needham, MA 02494
PHONE:	800-825-5343	**P.O. #**	16512
FAX:	781-247-4305	**PROJECT #**	16512
DATE RECEIVED:	09/04/2009	**CONTACT:**	Ausha Scott
DATE COMPLETED:	10/16/2009		

FRACTION #	NAME	TEST
01A	101788	SubContract
02A	100789	SubContract
03A	100790	SubContract
04A	100791	SubContract
05A	100792	SubContract
06A	100793	SubContract
07A	102422	SubContract
08A	102423	SubContract
09A	102424	SubContract
10A	102425	SubContract
11A	102426	SubContract
12A	102427	SubContract
13A	102492	SubContract
14A	102493	SubContract
15A	102494	SubContract
16A	102495	SubContract
17A	102496	SubContract
18A	102402	SubContract

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FRACTION #	NAME	TEST
19A	102555	SubContract
20A	102556	SubContract
21A	102557	SubContract
22A	102558	SubContract
23A	102559	SubContract
24A	102560	SubContract
25A	102675	SubContract
26A	102676	SubContract
27A	102677	SubContract
28A	102678	SubContract
29A	102679	SubContract
30A	102680	SubContract
31A	102109	SubContract
32A	102110	SubContract
33A	102111	SubContract
34A	102112	SubContract
35A	102113	SubContract
36A	102133	SubContract
37A	102134	SubContract
38A	102135	SubContract
39A	102136	SubContract

Continued on next page

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 0909127E

Work Order Summary

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PHONE:	800-825-5343	**P.O. #**	16512
FAX:	781-247-4305	**PROJECT #**	16512
DATE RECEIVED:	09/04/2009	**CONTACT:**	Ausha Scott
DATE COMPLETED:	10/16/2009		

FRACTION #	NAME	TEST
40A	102137	SubContract
41A	102138	SubContract
42A	102165	SubContract
43A	102166	SubContract
44A	102167	SubContract
45A	102168	SubContract
46A	102169	SubContract
47A	102170	SubContract
48A	Method Blank	SubContract
48B	Method Blank	SubContract

CERTIFIED BY: Linda S. Truman

Laboratory Director

DATE: 10/16/09

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

0007

LABORATORY NARRATIVE
ATL GC Application
Environmental Health & Engineering, Inc.
Workorder# 0909127D

Forty-seven Radiello 166 (SO2) samples were received on September 04, 2009. The samples were subcontracted to APPL, Inc for analysis.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The samples were subcontracted to APPL, Inc for analysis.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

LABORATORY NARRATIVE
Subcontracted Method
Environmental Health & Engineering, Inc.
Workorder# 0909127E

Forty-seven Radiello 166 (SO2) samples were received on September 04, 2009. The samples were subcontracted to APPL, Inc for analysis.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The samples were subcontracted to APPL, Inc for analysis.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicate as follows:
B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Sample Results and Raw Data

AIR TOXICS LTD.

Radiello analysis by EPA 300.0 (Sulfur Dioxide)*

Spectrophotometer

0011

Field Sample I.D.	Lab Sample I.D.	Collection Date	Analysis Date	Dilution Factor	Reporting. Limit (ug)	Reporting. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
100788	0909127D-01A	9/1/2009	9/17/2009	1.00	17	6.5	ND	ND
100789	0909127D-02A	9/1/2009	9/17/2009	1.00	17	6.5	ND	ND
100790	0909127D-03A	9/1/2009	9/17/2009	1.00	17	6.5	ND	ND
100791	0909127D-04A	9/1/2009	9/17/2009	1.00	17	6.5	ND	ND
100792	0909127D-05A	9/1/2009	9/17/2009	1.00	17	6.5	ND	ND
100793	0909127D-06A	NA	9/17/2009	1.00	17	6.5	ND	ND
102422	0909127D-07A	9/1/2009	9/17/2009	1.00	17	7.0	ND	ND
102423	0909127D-08A	9/1/2009	9/17/2009	1.00	17	7.0	ND	ND
102424	0909127D-09A	9/1/2009	9/17/2009	1.00	17	7.0	ND	ND
102425	0909127D-10A	9/1/2009	9/17/2009	1.00	17	7.0	ND	ND
102426	0909127D-11A	9/1/2009	9/17/2009	1.00	17	7.0	ND	ND
102427	0909127D-12A	NA	9/17/2009	1.00	17	6.5	ND	ND
102492	0909127D-13A	9/1/2009	9/17/2009	1.00	17	7.5	ND	ND
102493	0909127D-14A	9/1/2009	9/17/2009	1.00	17	7.5	ND	ND
102494	0909127D-15A	9/1/2009	9/17/2009	1.00	17	7.5	ND	ND
102495	0909127D-16A	9/1/2009	9/17/2009	1.00	17	7.5	ND	ND
102496	0909127D-17A	9/1/2009	9/17/2009	1.00	17	7.5	ND	ND
102402	0909127D-18A	NA	9/17/2009	1.00	17	6.5	ND	ND
102555	0909127D-19A	9/2/2009	9/17/2009	1.00	17	7.5	ND	ND
102556	0909127D-20A	9/2/2009	9/17/2009	1.00	17	7.5	ND	ND

*Sulfate/Sulfite analysis performed by subcontracted laboratory.

COMMENTS: 1. NA=Not Applicable
2. ND=Not Detected
3. Exposure time of 21822 minutes was assumed for the QC samples.
4. Background subtraction not performed.

AIR TOXICS LTD.

Radiello analysis by EPA 300.0 (Sulfur Dioxide)*

Spectrophotometer

0012

Field Sample I.D.	Lab Sample I.D.	Collection Date	Analysis Date	Dilution Factor	Reporting. Limit (ug)	Reporting. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
102557	0909127D-21A	9/2/2009	9/17/2009	1.00	17	7.5	ND	ND
102558	0909127D-22A	9/2/2009	9/17/2009	1.00	17	7.5	ND	ND
102559	0909127D-23A	9/2/2009	9/17/2009	1.00	17	7.5	ND	ND
102560	0909127D-24A	NA	9/17/2009	1.00	17	6.5	ND	ND
102675	0909127D-25A	9/2/2009	9/17/2009	1.00	17	8.1	ND	ND
102676	0909127D-26A	9/2/2009	9/17/2009	1.00	17	8.1	ND	ND
102677	0909127D-27A	9/2/2009	9/17/2009	1.00	17	8.1	ND	ND
102678	0909127D-28A	9/2/2009	9/17/2009	1.00	17	8.1	ND	ND
102679	0909127D-29A	9/2/2009	9/17/2009	1.00	17	8.1	ND	ND
102680	0909127D-30A	NA	9/17/2009	1.00	17	6.5	ND	ND
102109	0909127D-31A	9/3/2009	8/27/2009	1.00	17	7.0	ND	ND
102110	0909127D-32A	9/3/2009	8/27/2009	1.00	17	7.0	ND	ND
102111	0909127D-33A	9/3/2009	8/27/2009	1.00	17	7.0	ND	ND
102112	0909127D-34A	9/3/2009	8/27/2009	1.00	17	7.0	ND	ND
102113	0909127D-35A	9/3/2009	8/27/2009	1.00	17	7.0	ND	ND
102133	0909127D-36A	9/3/2009	8/27/2009	1.00	17	7.0	ND	ND
102134	0909127D-37A	9/3/2009	8/27/2009	1.00	17	7.0	ND	ND
102135	0909127D-38A	9/3/2009	8/27/2009	1.00	17	7.0	ND	ND
102136	0909127D-39A	9/3/2009	8/27/2009	1.00	17	7.0	ND	ND
102137	0909127D-40A	9/3/2009	8/27/2009	1.00	17	7.0	ND	ND

*Sulfate/Sulfite analysis performed by subcontracted laboratory.

COMMENTS: 1. NA=Not Applicable
2. ND=Not Detected
3. Exposure time of 21822 minutes was assumed for the QC samples.
4. Background subtraction not performed.

AIR TOXICS LTD.

Radiello analysis by EPA 300.0 (Sulfur Dioxide)*

Spectrophotometer

Field Sample I.D.	Lab Sample I.D.	Collection Date	Analysis Date	Dilution Factor	Reporting. Limit (ug)	Reporting. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
102138	0909127D-41A	NA	8/27/2009	1.00	17	6.5	ND	ND
102165	0909127D-42A	9/3/2009	8/27/2009	1.00	17	7.0	ND	ND
102166	0909127D-43A	9/3/2009	8/27/2009	1.00	17	7.0	ND	ND
102167	0909127D-44A	9/3/2009	8/27/2009	1.00	17	7.0	ND	ND
102168	0909127D-45A	9/3/2009	8/27/2009	1.00	17	7.0	ND	ND
102169	0909127D-46A	9/3/2009	8/27/2009	1.00	17	7.0	ND	ND
102170	0909127D-47A	NA	8/27/2009	1.00	17	6.5	ND	ND
Method Blank	0909127D-48A	NA	8/28/2009	1.00	17	6.5	ND	ND
Method Blank	0909127D-48B	NA	8/28/2009	1.00	17	6.5	ND	ND

*Sulfate/Sulfite analysis performed by subcontracted laboratory.

COMMENTS: 1. NA=Not Applicable
2. ND=Not Detected
3. Exposure time of 21822 minutes was assumed for the QC samples.
4. Background subtraction not performed.

Sulfur Dioxide Radiello Calculation Worksheet

Workorder #:	0909127D			MW		
Sampling Rate (ng/(ppb*min))	0.466	Typically 0.466 for SO2	Sulfate = SO_4^{-2}	96.062	To convert SO_3^{-2} to SO_4^{-2} multiply by molar mass ratio	
Sampling T (deg C)	25	Typically 25	Sulfite = SO_3^{-2}	80.063	Sulfate/sulfite = 96.062/80.063 = 1.2	
Volume (mL)	5	Typically 5 for SO2			Total Conc SO_4^{-2} (mg/L) x Initial Vol (mL) x 1000ug x 1L	
Date of Analysis:	9/17/2009	8/27/2009 8/28/2009			1mgx1000mL	

Corrected Q	0.466	Q the same for SO2 from -10 to 40 degrees C	Conc SO_4^{-2} (mg/L) + (Conc SO_3^{-2} (mg/L)*1.2)

LabSampleID	Client	Date of Collection	Conc Sulfate (SO_4^{-2}) (mg/L)	Conc Sulfite (SO_3^{-2}) (mg/L)	RL Sulfite/Sulfate (mg/L)	DF	Duration (min)	Total Conc SO_4^{-2} (mg/L)	Conc SO_4^{-2} (uG)
01A	100788	9/1/2009	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected
02A	100789	9/1/2009	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected
03A	100790	9/1/2009	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected
04A	100791	9/1/2009	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected
05A	100792	9/1/2009	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected
06A	100793	NA	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected
07A	102422	9/1/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
08A	102423	9/1/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
09A	102424	9/1/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
10A	102425	9/1/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
11A	102426	9/1/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
12A	102427	NA	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected
13A	102482	9/1/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
14A	102483	9/1/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
15A	102484	9/1/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
16A	102485	9/1/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
17A	102486	9/1/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
18A	102402	NA	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected
19A	102555	9/2/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
20A	102556	9/2/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
21A	102557	9/2/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
22A	102558	9/2/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
23A	102559	9/2/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected
24A	102560	NA	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected
25A	102675	9/2/2009	Not Detected	Not Detected	5.000	1.00	17280	Not Detected	Not Detected
26A	102676	9/2/2009	Not Detected	Not Detected	5.000	1.00	17280	Not Detected	Not Detected
27A	102677	9/2/2009	Not Detected	Not Detected	5.000	1.00	17280	Not Detected	Not Detected
28A	102678	9/2/2009	Not Detected	Not Detected	5.000	1.00	17280	Not Detected	Not Detected
29A	102679	9/2/2009	Not Detected	Not Detected	5.000	1.00	17280	Not Detected	Not Detected
30A	102680	NA	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected
31A	102109	9/3/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
32A	102110	9/3/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
33A	102111	9/3/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
34A	102112	9/3/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
35A	102113	9/3/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
36A	102133	9/3/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
37A	102134	9/3/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
38A	102135	9/3/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
39A	102136	9/3/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
40A	102137	9/3/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
41A	102138	NA	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected
42A	102165	9/3/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
43A	102166	9/3/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
44A	102167	9/3/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
45A	102168	9/3/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
46A	102169	9/3/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected
47A	102170	NA	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected
48A	Method Blank	NA	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected
48B	Method Blank	NA	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected
49A	CCV	NA				1.00		0.000	0
		CCV%R:					QC Duration		
							21600		

Created by AW, Verified by HH on 9/24/09

0014

Conc SO_4^{-2} (ug) * MW SO_2 (64.06) / MW SO_4^{-2} (96.06)	Conc SO4-2(ug) *1000ng / Q x Duration*1ug	ppb SO2 * mw (64.06) / 24.45	RL SO_4^{-2} (mg/L) x Initial Vol (mL) x 1000ug x 1L / 1mgx1000mL	RL SO_4^{-2} (ug) * MW SO2 (64.06) / MW SO_4^{-2} (96.06)	RL SO_4^{-2} (ug) *1000ng / Q x Duration*1ug	ppb SO_2 * mw (64.06) / 24.45			
Conc SO_2 (uG)	Conc SO_2 (ppb)	Conc SO_2 (ug/m3)	RL SO_4^{-2} (ug)	RL SO_2 (uG)	RL SO_2 (ppb)	RL SO_2 (ug/m3)	Result SO_2 (ug)	Result SO_2(ug/m3)	%Rec
ND	ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	ND	25.000	16.67187175	3.105	8.134	ND	ND	
ND	ND	ND	25.000	16.67187175	3.105	8.134	ND	ND	
ND	ND	ND	25.000	16.67187175	3.105	8.134	ND	ND	
ND	ND	ND	25.000	16.67187175	3.105	8.134	ND	ND	
ND	ND	ND	25.000	16.67187175	3.105	8.134	ND	ND	
ND	ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	%Rec
0	#DIV/0!	#DIV/0!	0.000	0	#DIV/0!	#DIV/0!	0	#DIV/0!	0

AIR TOXICS LTD.

Radiello analysis by EPA 300.0 (Hydrofluoric Acid)*

Spectrophotometer

Field Sample I.D.	Lab Sample I.D.	Collection Date	Analysis Date	Dilution Factor	Reporting. Limit (ug)	Reporting. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
100788	0909127E-01A	9/1/2009	9/14/2009	1.00	5.3	1.3	ND	ND
100789	0909127E-02A	9/1/2009	9/14/2009	1.00	5.3	1.3	ND	ND
100790	0909127E-03A	9/1/2009	9/14/2009	1.00	5.3	1.3	ND	ND
100791	0909127E-04A	9/1/2009	9/14/2009	1.00	5.3	1.3	ND	ND
100792	0909127E-05A	9/1/2009	9/14/2009	1.00	5.3	1.3	ND	ND
100793	0909127E-06A	NA	9/14/2009	1.00	5.3	1.3	ND	ND
102422	0909127E-07A	9/1/2009	9/14/2009	1.00	5.3	1.4	ND	ND
102423	0909127E-08A	9/1/2009	9/14/2009	1.00	5.3	1.4	ND	ND
102424	0909127E-09A	9/1/2009	9/14/2009	1.00	5.3	1.4	ND	ND
102425	0909127E-10A	9/1/2009	9/14/2009	1.00	5.3	1.4	ND	ND
102426	0909127E-11A	9/1/2009	9/14/2009	1.00	5.3	1.4	ND	ND
102427	0909127E-12A	NA	9/14/2009	1.00	5.3	1.3	ND	ND
102492	0909127E-13A	9/1/2009	9/14/2009	1.00	5.3	1.5	ND	ND
102493	0909127E-14A	9/1/2009	9/14/2009	1.00	5.3	1.5	ND	ND
102494	0909127E-15A	9/1/2009	9/14/2009	1.00	5.3	1.5	ND	ND
102495	0909127E-16A	9/1/2009	9/15/2009	1.00	5.3	1.5	ND	ND
102496	0909127E-17A	9/1/2009	9/15/2009	1.00	5.3	1.5	ND	ND
102402	0909127E-18A	NA	9/15/2009	1.00	5.3	1.3	ND	ND
102555	0909127E-19A	9/2/2009	9/15/2009	1.00	5.3	1.5	ND	ND
102556	0909127E-20A	9/2/2009	9/15/2009	1.00	5.3	1.5	ND	ND

*Fluoride analysis performed by subcontracted laboratory.

COMMENTS: 1. NA=Not Applicable
2. ND=Not Detected
3. Exposure time of 21600 minutes was assumed for the QC samples.
4. Background subtraction not performed.

AIR TOXICS LTD.

Radiello analysis by EPA 300.0 (Hydrofluoric Acid)*

Spectrophotometer

Field Sample I.D.	Lab Sample I.D.	Collection Date	Analysis Date	Dilution Factor	Reporting. Limit (ug)	Reporting. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
102557	0909127E-21A	9/2/2009	9/15/2009	1.00	5.3	1.5	ND	ND
102558	0909127E-22A	9/2/2009	9/15/2009	1.00	5.3	1.5	ND	ND
102559	0909127E-23A	9/2/2009	9/15/2009	1.00	5.3	1.5	ND	ND
102560	0909127E-24A	NA	9/15/2009	1.00	5.3	1.3	ND	ND
102675	0909127E-25A	9/2/2009	9/15/2009	1.00	5.3	1.6	ND	ND
102676	0909127E-26A	9/2/2009	9/15/2009	1.00	5.3	1.6	ND	ND
102677	0909127E-27A	9/2/2009	9/15/2009	1.00	5.3	1.6	ND	ND
102678	0909127E-28A	9/2/2009	9/15/2009	1.00	5.3	1.6	ND	ND
102679	0909127E-29A	9/2/2009	9/15/2009	1.00	5.3	1.6	ND	ND
102680	0909127E-30A	NA	9/15/2009	1.00	5.3	1.3	ND	ND
102109	0909127E-31A	9/3/2009	9/15/2009	1.00	5.3	1.4	ND	ND
102110	0909127E-32A	9/3/2009	9/15/2009	1.00	5.3	1.4	ND	ND
102111	0909127E-33A	9/3/2009	9/16/2009	1.00	5.3	1.4	ND	ND
102112	0909127E-34A	9/3/2009	9/16/2009	1.00	5.3	1.4	ND	ND
102113	0909127E-35A	9/3/2009	9/16/2009	1.00	5.3	1.4	ND	ND
102133	0909127E-36A	9/3/2009	9/16/2009	1.00	5.3	1.4	ND	ND
102134	0909127E-37A	9/3/2009	9/16/2009	1.00	5.3	1.4	ND	ND
102135	0909127E-38A	9/3/2009	9/16/2009	1.00	5.3	1.4	ND	ND
102136	0909127E-39A	9/3/2009	9/16/2009	1.00	5.3	1.4	ND	ND
102137	0909127E-40A	9/3/2009	9/16/2009	1.00	5.3	1.4	ND	ND

*Fluoride analysis performed by subcontracted laboratory.

COMMENTS: 1. NA=Not Applicable
2. ND=Not Detected
3. Exposure time of 21600 minutes was assumed for the QC samples.
4. Background subtraction not performed.

AIR TOXICS LTD.

Radiello analysis by EPA 300.0 (Hydrofluoric Acid)*

Spectrophotometer

Field Sample I.D.	Lab Sample I.D.	Collection Date	Analysis Date	Dilution Factor	Reporting. Limit (ug)	Reporting. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
102138	0909127E-41A	NA	9/16/2009	1.00	5.3	1.3	ND	ND
102165	0909127E-42A	9/3/2009	9/17/2009	1.00	5.3	1.4	ND	ND
102166	0909127E-43A	9/3/2009	9/17/2009	1.00	5.3	1.4	ND	ND
102167	0909127E-44A	9/3/2009	9/17/2009	1.00	5.3	1.4	ND	ND
102168	0909127E-45A	9/3/2009	9/17/2009	1.00	5.3	1.4	ND	ND
102169	0909127E-46A	9/3/2009	9/17/2009	1.00	5.3	1.4	ND	ND
102170	0909127E-47A	NA	9/17/2009	1.00	5.3	1.3	ND	ND
Method Blank	0909127E-48A	NA	9/17/2009	1.00	5.3	1.3	ND	ND
Method Blank	0909127E-48B	NA	9/17/2009	1.00	5.3	1.3	ND	ND

*Fluoride analysis performed by subcontracted laboratory.

COMMENTS: 1. NA=Not Applicable
2. ND=Not Detected
3. Exposure time of 21600 minutes was assumed for the QC samples.
4. Background subtraction not performed.

Hydrofluoric Acid Radiello Calculation Worksheet

Workorder #:	0909127E	
Sampling Rate (ml/min)	187	Typically 187 for HF
Sampling T (deg C)	25	Typically 25
Initial Volume (mL)	5	Typically 5 for HF
Date of Analysis:	9/14/2009	
Corrected Q	187	No calc for temp correction

1.053 = Factor from F- to HF

1.053 = Factor from F- to HF

$\frac{\text{Conc (mg/L)} \times \text{Initial Vol (mL)} \times 1000\text{ug} \times 1\text{L}}{1\text{mg} \times 1000\text{mL}}$ Conc F- (ug)*1.053 $\frac{\text{Conc (ug)} \times 1.053 \times 1000000}{\text{Q} \times \text{Duration (min)}}$ $\frac{\text{RL(mg/L)} \times \text{Initial Vol (mL)} \times 1000\text{ug} \times 1\text{L}}{1\text{mg} \times 1000\text{mL}}$

0019

LabSampleID	Client	Date of Collection	Conc F- (mg/L)	RL F- (mg/L)	DF	Duration (min)	Conc F- (ug)	Conc HF (ug)	Conc HF (ug/m3)	RL F- (ug)
01A	100788	9/1/2009	ND	1.000	1.00	21600	ND	ND	ND	5.000
02A	100789	9/1/2009	ND	1.000	1.00	21600	ND	ND	ND	5.000
03A	100790	9/1/2009	ND	1.000	1.00	21600	ND	ND	ND	5.000
04A	100791	9/1/2009	ND	1.000	1.00	21600	ND	ND	ND	5.000
05A	100792	9/1/2009	ND	1.000	1.00	21600	ND	ND	ND	5.000
06A	100793	NA	ND	1.000	1.00	21600	ND	ND	ND	5.000
07A	102422	9/1/2009	ND	1.000	1.00	20160	ND	ND	ND	5.000
08A	102423	9/1/2009	ND	1.000	1.00	20160	ND	ND	ND	5.000
09A	102424	9/1/2009	ND	1.000	1.00	20160	ND	ND	ND	5.000
10A	102425	9/1/2009	ND	1.000	1.00	20160	ND	ND	ND	5.000
11A	102426	9/1/2009	ND	1.000	1.00	20160	ND	ND	ND	5.000
12A	102427	NA	ND	1.000	1.00	21600	ND	ND	ND	5.000
13A	102492	9/1/2009	ND	1.000	1.00	18720	ND	ND	ND	5.000
14A	102493	9/1/2009	ND	1.000	1.00	18720	ND	ND	ND	5.000
15A	102494	9/1/2009	ND	1.000	1.00	18720	ND	ND	ND	5.000
16A	102495	9/1/2009	ND	1.000	1.00	18720	ND	ND	ND	5.000
17A	102496	9/1/2009	ND	1.000	1.00	18720	ND	ND	ND	5.000
18A	102402	NA	ND	1.000	1.00	21600	ND	ND	ND	5.000
19A	102555	9/2/2009	ND	1.000	1.00	18720	ND	ND	ND	5.000
20A	102556	9/2/2009	ND	1.000	1.00	18720	ND	ND	ND	5.000
21A	102557	9/2/2009	ND	1.000	1.00	18720	ND	ND	ND	5.000
22A	102558	9/2/2009	ND	1.000	1.00	18720	ND	ND	ND	5.000
23A	102559	9/2/2009	ND	1.000	1.00	18720	ND	ND	ND	5.000
24A	102560	NA	ND	1.000	1.00	21600	ND	ND	ND	5.000
25A	102675	9/2/2009	ND	1.000	1.00	17280	ND	ND	ND	5.000
26A	102676	9/2/2009	ND	1.000	1.00	17280	ND	ND	ND	5.000
27A	102677	9/2/2009	ND	1.000	1.00	17280	ND	ND	ND	5.000
28A	102678	9/2/2009	ND	1.000	1.00	17280	ND	ND	ND	5.000
29A	102679	9/2/2009	ND	1.000	1.00	17280	ND	ND	ND	5.000
30A	102680	NA	ND	1.000	1.00	21600	ND	ND	ND	5.000
31A	102109	9/3/2009	ND	1.000	1.00	20160	ND	ND	ND	5.000
32A	102110	9/3/2009	ND	1.000	1.00	20160	ND	ND	ND	5.000
33A	102111	9/3/2009	ND	1.000	1.00	20160	ND	ND	ND	5.000
34A	102112	9/3/2009	ND	1.000	1.00	20160	ND	ND	ND	5.000
35A	102113	9/3/2009	ND	1.000	1.00	20160	ND	ND	ND	5.000
36A	102133	9/3/2009	ND	1.000	1.00	20160	ND	ND	ND	5.000
37A	102134	9/3/2009	ND	1.000	1.00	20160	ND	ND	ND	5.000
38A	102135	9/3/2009	ND	1.000	1.00	20160	ND	ND	ND	5.000
39A	102136	9/3/2009	ND	1.000	1.00	20160	ND	ND	ND	5.000
40A	102137	9/3/2009	ND	1.000	1.00	20160	ND	ND	ND	5.000
41A	102138	NA	ND	1.000	1.00	21600	ND	ND	ND	5.000
42A	102165	9/3/2009	ND	1.000	1.00	20160	ND	ND	ND	5.000
43A	102166	9/3/2009	ND	1.000	1.00	20160	ND	ND	ND	5.000
44A	102167	9/3/2009	ND	1.000	1.00	20160	ND	ND	ND	5.000
45A	102168	9/3/2009	ND	1.000	1.00	20160	ND	ND	ND	5.000
46A	102169	9/3/2009	ND	1.000	1.00	20160	ND	ND	ND	5.000
47A	102170	NA	ND	1.000	1.00	21600	ND	ND	ND	5.000
48A	Method Blank	NA	ND	1.000	1.00	21600	ND	ND	ND	5.000
48B	Method Blank	NA	ND	1.000	1.00	21600	ND	ND	ND	5.000
						QC Duration				
						21600				

Template verified by Hhayes 9/21/09
Added additional rows: AW 10/13/09

1.053 = Factor from F- to HF

1.053 = Factor from F- to HF

RL F- (ug)*1.053

$$\frac{\text{RL (ug) x 1.053 x 1000000}}{\text{Q x Duration (min)}}$$

RL HF (ug)	RL HF (ug/m3)	Result (ug)	Result (ug/m3)	%Rec
5.3	1.303	ND	ND	
5.3	1.303	ND	ND	
5.3	1.303	ND	ND	
5.3	1.303	ND	ND	
5.3	1.303	ND	ND	
5.3	1.303	ND	ND	
5.3	1.397	ND	ND	
5.3	1.397	ND	ND	
5.3	1.397	ND	ND	
5.3	1.397	ND	ND	
5.3	1.397	ND	ND	
5.3	1.303	ND	ND	
5.3	1.504	ND	ND	
5.3	1.504	ND	ND	
5.3	1.504	ND	ND	
5.3	1.504	ND	ND	
5.3	1.504	ND	ND	
5.3	1.303	ND	ND	
5.3	1.504	ND	ND	
5.3	1.504	ND	ND	
5.3	1.504	ND	ND	
5.3	1.504	ND	ND	
5.3	1.504	ND	ND	
5.3	1.303	ND	ND	
5.3	1.629	ND	ND	
5.3	1.629	ND	ND	
5.3	1.629	ND	ND	
5.3	1.629	ND	ND	
5.3	1.629	ND	ND	
5.3	1.303	ND	ND	
5.3	1.397	ND	ND	
5.3	1.397	ND	ND	
5.3	1.397	ND	ND	
5.3	1.397	ND	ND	
5.3	1.397	ND	ND	
5.3	1.397	ND	ND	
5.3	1.397	ND	ND	
5.3	1.397	ND	ND	
5.3	1.397	ND	ND	
5.3	1.397	ND	ND	
5.3	1.397	ND	ND	
5.3	1.303	ND	ND	
5.3	1.397	ND	ND	
5.3	1.397	ND	ND	
5.3	1.397	ND	ND	
5.3	1.397	ND	ND	
5.3	1.397	ND	ND	
5.3	1.303	ND	ND	
5.3	1.303	ND	ND	
5.3	1.303	ND	ND	

Shipping/ Receiving Documents

Air Toxics LTD.
Laboratory Services Since 1989

180 Blue Ravine Road, Suite B
Folsom, CA 95630

Phone (916) 985-1000 FAX (916) 985-1020
Hours 8:00 A.M. to 6:00 P.M. Pacific

COMPANY: Environmental Health & Engineering, Inc.
ATTENTION: Mr. Taeko Minegishi
FAX #: 781-247-4305
FROM: Sample Receiving
Workorder #: 0909127D
# of pages (Including Cover): 4

10/20/2009

Thank you for selecting Air Toxics Ltd. We have received your samples and have found no discrepancies. In order to expedite analysis and reporting, please review the attached information for accuracy. Corrections can be faxed to **Ausha Scott at 916-985-1020.**
ATL will proceed with the analysis as specified on the Chain of Custody and Sample Login page.

Air Toxics LTD.
Laboratory Services Since 1989

180 Blue Ravine Road, Suite B
Folsom, CA 95630

Phone (916) 985-1000 FAX (916) 985-1020
Hours 8:00 A.M. to 6:00 P.M. Pacific

COMPANY:	Environmental Health & Engineering, Inc.
ATTENTION:	Mr. Taeko Minegishi
FAX #:	781-247-4305
FROM:	Sample Receiving
Workorder #:	0909127E
# of pages (Including Cover):	4

10/23/2009

Thank you for selecting Air Toxics Ltd. We have received your samples and have found no discrepancies. In order to expedite analysis and reporting, please review the attached information for accuracy. Corrections can be faxed to **Ausha Scott at 916-985-1020.**
ATL will proceed with the analysis as specified on the Chain of Custody and Sample Login page.

Environmental Health & Engineering, Inc.

CHAIN OF CUSTODY FORM

DATE: 3 SEP 09

FROM: Environmental Health and Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494-2725

0909187

TO: Air Toxics

Please send invoices to ATTN: Accounts Payable
Please send reports to ATTN: Data Coordinator

In all correspondence regarding this matter, please refer to EH&E Project # 16512

The cost of this analysis will be covered by EH&E Purchase Order # 16512

For EH & E Data Coordinator - URGENT DATA ☒

SAMPLE ID	SAMPLE TYPE	ANALYTICAL METHOD/NUMBER	START	OTHER: Time/Date/Vol.	STOP
100788	AIR PASSIVE	SO_2 NO_2 HF ANALYSIS	8/17/09	9/1/09	
100789					
100790					
100791					
100792					
100793					
102422			8/18/09	0 9/1/09	ND
102423					
102424					
102425					
102426					
102427					
102492			8/19/09	0 9/1/09	
102493					
102494					
102495					

Special Instructions:

☒ Standard turn around time ☐ Rush by _____ date/time ☐ Other _____

☐ Fax results 781-247-4305

☐ **RETURN SAMPLES**

☒ Electronic transfer - datacoordinator@ehe.com

☒ Additional report recipient mfragala@ehe.com

CUSTODY SEAL INTACT? Y N NONE TEMP 4°C

Each signatory please return one copy of this form to the above address

Relinquished by: _____ of Environmental Health & Engineering, Inc. Date: 9/3/09

Received by: _____ of (company name) _____ Date: _____

Relinquished by: _____ of (company name) _____ Date: _____

Received by: _____ of (company name) _____ Date: _____

Relinquished by: _____ of (company name) _____ Date: _____

Received by: _____ of (company name) _____ Date: _____

Lab Data
Received by: _____ of Environmental Health & Engineering, Inc. Date: _____

WHITE-EH&E FILE COPY YELLOW-LAB COPY PINK-PROJECT MANAGER COPY GOLD-DATA COORDINATOR COPY

Environmental Health & Engineering, Inc.

CHAIN OF CUSTODY FORM

DATE: 3 SEP 09

FROM: Environmental Health and Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494-2725

0909127

TO: AIR TOXICS

Please send invoices to ATTN: Accounts Payable
Please send reports to ATTN: Data Coordinator

In all correspondence regarding this matter, please refer to EH&E Project # 16512

The cost of this analysis will be covered by EH&E Purchase Order # 16512

For EH & E Data Coordinator - URGENT DATA ☒

	SAMPLE ID	SAMPLE TYPE	ANALYTICAL METHOD/NUMBER START	OTHER: Time/Date/Vol. STOP
7A	102496	AIR/PASSIVE	SO_2 NO_2 HF ANALYSIS 8/19/09	9/1/09
A	102402 ~~102497~~			Ø
A	102555		8/20/09	9/2/09
0A	102556			
1A	102557			
2A	102558			
3A	102559			
4A	102560			Ø
5A	102675		8/21/09	9/2/09
6A	102676			
7A	102677			
8A	102678			
9A	102679			
0A	102680			Ø
1A	102109		8/20/09	9/3/09
2A	102110			

ND

Special Instructions:

☒ Standard turn around time
☐ Rush by _____ date/time
☐ Other _____
☐ Fax results 781-247-4305
☐ **RETURN SAMPLES**
☒ Electronic transfer - datacoordinator@eheinc.com
☒ Additional report recipient mfragala@eheinc.com

STOP
Fedex 2 373 1322
CUSTODY SEAL INTACT?
Y N NONE TEMP 4°C

Each signatory please return one copy of this form to the above address

Relinquished by: [signature] of Environmental Health & Engineering, Inc. Date: 9/3/09
Received by: [signature] of (company name) AH Date: 9/4/09
Relinquished by: _____ of (company name) _____ Date: _____
Received by: _____ of (company name) _____ Date: _____
Relinquished by: _____ of (company name) _____ Date: _____
Received by: _____ of (company name) _____ Date: _____
Lab Data
Received by: _____ of Environmental Health & Engineering, Inc. Date: _____

Page 2 of 3

WHITE-EH&E FILE COPY YELLOW-LAB COPY PINK-PROJECT MANAGER COPY GOLD-DATA COORDINATOR COPY

0025

Environmental Health & Engineering, Inc.

CHAIN OF CUSTODY FORM

DATE: 3 SEP 09

FROM: Environmental Health and Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494-2725

TO: AIR TOXICS

Please send invoices to ATTN: Accounts Payable
Please send reports to ATTN: Data Coordinator

0909127

In all correspondence regarding this matter, please refer to EH&E Project # 1651.2

The cost of this analysis will be covered by EH&E Purchase Order # 1651.2

For EH & E Data Coordinator - URGENT DATA ☑

SAMPLE ID	SAMPLE TYPE	ANALYTICAL METHOD/NUMBER	START	OTHER: Time/Date/Vol.	STOP
102.111	AIR/PASSIVE	SO_2 NO_2 HF ANALYSIS	8/20/09	9/3/09	
102.112					
102.113					
102.133					
102.134					
102.135					
102.136					
102.137					
102.138				Ø	
102.165				9/3/09	
102.166					
102.167					
102.168					
102.169					
102.170				Ø	

Special Instructions:

☑ Standard turn around time ☐ Rush by _____ date/time

☐ Fax results 781-247-4305

☐ **RETURN SAMPLES** ☑ Electronic transfer - datacoordinator@ehenc.com

☑ Additional report recipient mmagola@ehenc.com

CUSTODY SEAL INTACT? Y ☑ ON CONTAINER ☐ TEMP °C
Fed Ex 8734 2355 1972

Each signatory please return one copy of this form to the above address

Relinquished by: _____ of Environmental Health & Engineering, Inc. Date: 9/3/09

Received by: _____ of (company name) _____ Date: 9/4/09

Relinquished by: _____ of (company name) _____ Date: _____

Received by: _____ of (company name) _____ Date: _____

Relinquished by: _____ of (company name) _____ Date: _____

Received by: _____ of (company name) _____ Date: _____

Lab Data
Received by: _____ of Environmental Health & Engineering, Inc. Date: _____

WHITE-EH&E FILE COPY YELLOW-LAB COPY PINK-PROJECT MANAGER COPY GOLD-DATA COORDINATOR COPY

Air Toxics LTD.
Laboratory Services Since 1989

SAMPLE RECEIPT SUMMARY

WORKORDER 0909127D

Client

Mr. Taeko Minegishi
Environmental Health &
Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494

Phone

800-825-5343

Fax

781-247-4305

Sales Rep: TL

Date Promised: 09/16/09 11:59 pm
Date Completed: 10/10/09
Date Received: 9/4/09
PO#: 16512
Project#: 16512

Total $: $ 2,820.00
Logged By: MG

Fraction	Sample #	Analysis	Collected	Amount$
01A	101788	SubContract	9/1/2009	$0.00
02A	100789	SubContract	9/1/2009	$0.00
03A	100790	SubContract	9/1/2009	$0.00
04A	100791	SubContract	9/1/2009	$0.00
05A	100792	SubContract	9/1/2009	$0.00
06A	100793	SubContract	NA	$0.00
07A	102422	SubContract	9/1/2009	$0.00
08A	102423	SubContract	9/1/2009	$0.00
09A	102424	SubContract	9/1/2009	$0.00
10A	102425	SubContract	9/1/2009	$0.00
11A	102426	SubContract	9/1/2009	$0.00
12A	102427	SubContract	NA	$0.00
13A	102492	SubContract	9/1/2009	$0.00
14A	102493	SubContract	9/1/2009	$0.00
15A	102494	SubContract	9/1/2009	$0.00
16A	102495	SubContract	9/1/2009	$0.00
17A	102496	SubContract	9/1/2009	$0.00
18A	102402	SubContract	NA	$0.00
19A	102555	SubContract	9/2/2009	$0.00
20A	102556	SubContract	9/2/2009	$0.00

Note: Samples received after 3 P.M. PST are considered to be received on the following work day.
Atlas Project Name/Profile#: CPSC Indoor Air Monitoring/13297

BILL TO: Accounts Payable
Environmental Health & Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494

Analysis Code: SubContract

TERMS:

Reporting Method: ATL Application #61 NO2-Radiello 166

SAMPLE RECEIPT SUMMARY Continued

Client

Mr. Taeko Minegishi
Environmental Health &
Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494

Phone

800-825-5343

Fax

781-247-4305

Sales Rep: TL

Date Promised: 09/16/09 11:59 pm
Date Completed: 10/10/09
Date Received: 9/4/09
PO#: 16512
Project#: 16512

Total $: $ 2,820.00
Logged By: MG

Fraction	Sample #	Analysis	Collected	Amount$
21A	102557	SubContract	9/2/2009	$0.00
22A	102558	SubContract	9/2/2009	$0.00
23A	102559	SubContract	9/2/2009	$0.00
24A	102560	SubContract	NA	$0.00
25A	102675	SubContract	9/2/2009	$0.00
26A	102676	SubContract	9/2/2009	$0.00
27A	102677	SubContract	9/2/2009	$0.00
28A	102678	SubContract	9/2/2009	$0.00
29A	102679	SubContract	9/2/2009	$0.00
30A	102680	SubContract	NA	$0.00
31A	102109	SubContract	9/3/2009	$0.00
32A	102110	SubContract	9/3/2009	$0.00
33A	102111	SubContract	9/3/2009	$0.00
34A	102112	SubContract	9/3/2009	$0.00
35A	102113	SubContract	9/3/2009	$0.00
36A	102133	SubContract	9/3/2009	$0.00
37A	102134	SubContract	9/3/2009	$0.00
38A	102135	SubContract	9/3/2009	$0.00
39A	102136	SubContract	9/3/2009	$0.00
40A	102137	SubContract	9/3/2009	$0.00

Note: Samples received after 3 P.M. PST are considered to be received on the following work day.
Atlas Project Name/Profile#: CPSC Indoor Air Monitoring/13297

BILL TO: Accounts Payable
Environmental Health & Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494

Analysis Code: SubContract

TERMS:

Reporting Method: ATL Application #61 NO2-Radiello 166

SAMPLE RECEIPT SUMMARY Continued

Client

Mr. Taeko Minegishi
Environmental Health &
Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494

Sales Rep: TL

Phone

800-825-5343

Fax

781-247-4305

Date Promised: 09/16/09 11:59 pm
Date Completed: 10/10/09
Date Received: 9/4/09
PO#: 16512
Project#: 16512

Total $: $ 2,820.00
Logged By: MG

Fraction	Sample #	Analysis	Collected	Amount$
41A	102138	SubContract	NA	$0.00
42A	102165	SubContract	9/3/2009	$0.00
43A	102166	SubContract	9/3/2009	$0.00
44A	102167	SubContract	9/3/2009	$0.00
45A	102168	SubContract	9/3/2009	$0.00
46A	102169	SubContract	9/3/2009	$0.00
47A	102170	SubContract	NA	$0.00
48A	Method Blank	SubContract	NA	$0.00
48B	Method Blank	SubContract	NA	$0.00
49A	CCV	SubContract	NA	$0.00

Misc. Charges	eCVP (47) @ $5.00 each.	$235.00
	Subcontract (47) @ $55.00 each.	$2,585.00

Note: Samples received after 3 P.M. PST are considered to be received on the following work day.
Atlas Project Name/Profile#: CPSC Indoor Air Monitoring/13297

BILL TO: Accounts Payable
Environmental Health & Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494

Analysis Code: SubContract

TERMS:

Reporting Method: ATL Application #61 NO2-Radiello 166

Air Toxics LTD.
Laboratory Services Since 1989

SAMPLE RECEIPT SUMMARY

WORKORDER 0909127E

Client

Mr. Taeko Minegishi
Environmental Health &
Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494

Phone

800-825-5343

Fax

781-247-4305

Sales Rep: TL

Date Promised: 09/16/09 11:59 pm
Date Completed: 10/16/09
Date Received: 9/4/09
PO#: 16512
Project#: 16512

Total $: $ 0.00
Logged By: MG

Fraction	Sample #	Analysis	Collected	Amount$
01A	101788	SubContract	9/1/2009	$0.00
02A	100789	SubContract	9/1/2009	$0.00
03A	100790	SubContract	9/1/2009	$0.00
04A	100791	SubContract	9/1/2009	$0.00
05A	100792	SubContract	9/1/2009	$0.00
06A	100793	SubContract	NA	$0.00
07A	102422	SubContract	9/1/2009	$0.00
08A	102423	SubContract	9/1/2009	$0.00
09A	102424	SubContract	9/1/2009	$0.00
10A	102425	SubContract	9/1/2009	$0.00
11A	102426	SubContract	9/1/2009	$0.00
12A	102427	SubContract	NA	$0.00
13A	102492	SubContract	9/1/2009	$0.00
14A	102493	SubContract	9/1/2009	$0.00
15A	102494	SubContract	9/1/2009	$0.00
16A	102495	SubContract	9/1/2009	$0.00
17A	102496	SubContract	9/1/2009	$0.00
18A	102402	SubContract	NA	$0.00
19A	102555	SubContract	9/2/2009	$0.00
20A	102556	SubContract	9/2/2009	$0.00

Note: Samples received after 3 P.M. PST are considered to be received on the following work day.
Atlas Project Name/Profile#: CPSC Indoor Air Monitoring/13297

BILL TO: Accounts Payable
Environmental Health & Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494

Analysis Code: SubContract

TERMS: NET 30

Reporting Method: ATL Application #61 NO2-Radiello 166

SAMPLE RECEIPT SUMMARY Continued

Client

Mr. Taeko Minegishi
Environmental Health &
Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494

Sales Rep: TL

Phone

800-825-5343

Fax

781-247-4305

Date Promised: 09/16/09 11:59 pm
Date Completed: 10/16/09
Date Received: 9/4/09
PO#: 16512
Project#: 16512

Total $: $ 0.00
Logged By: MG

Fraction	Sample #	Analysis	Collected	Amount$
21A	102557	SubContract	9/2/2009	$0.00
22A	102558	SubContract	9/2/2009	$0.00
23A	102559	SubContract	9/2/2009	$0.00
24A	102560	SubContract	NA	$0.00
25A	102675	SubContract	9/2/2009	$0.00
26A	102676	SubContract	9/2/2009	$0.00
27A	102677	SubContract	9/2/2009	$0.00
28A	102678	SubContract	9/2/2009	$0.00
29A	102679	SubContract	9/2/2009	$0.00
30A	102680	SubContract	NA	$0.00
31A	102109	SubContract	9/3/2009	$0.00
32A	102110	SubContract	9/3/2009	$0.00
33A	102111	SubContract	9/3/2009	$0.00
34A	102112	SubContract	9/3/2009	$0.00
35A	102113	SubContract	9/3/2009	$0.00
36A	102133	SubContract	9/3/2009	$0.00
37A	102134	SubContract	9/3/2009	$0.00
38A	102135	SubContract	9/3/2009	$0.00
39A	102136	SubContract	9/3/2009	$0.00
40A	102137	SubContract	9/3/2009	$0.00

Note: Samples received after 3 P.M. PST are considered to be received on the following work day.
Atlas Project Name/Profile#: CPSC Indoor Air Monitoring/13297

BILL TO: Accounts Payable
Environmental Health & Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494

Analysis Code: SubContract

TERMS: NET 30

Reporting Method: ATL Application #61 NO2-Radiello 166

SAMPLE RECEIPT SUMMARY Continued

Client

Mr. Taeko Minegishi
Environmental Health &
Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494

Sales Rep: TL

Phone

800-825-5343

Fax

781-247-4305

Date Promised: 09/16/09 11:59 pm
Date Completed: 10/16/09
Date Received: 9/4/09
PO#: 16512
Project#: 16512

Total $: $ 0.00
Logged By: MG

Fraction	Sample #	Analysis	Collected	Amount$
41A	102138	SubContract	NA	$0.00
42A	102165	SubContract	9/3/2009	$0.00
43A	102166	SubContract	9/3/2009	$0.00
44A	102167	SubContract	9/3/2009	$0.00
45A	102168	SubContract	9/3/2009	$0.00
46A	102169	SubContract	9/3/2009	$0.00
47A	102170	SubContract	NA	$0.00
48A	Method Blank	SubContract	NA	$0.00
48B	Method Blank	SubContract	NA	$0.00

Note: Samples received after 3 P.M. PST are considered to be received on the following work day.
Atlas Project Name/Profile#: CPSC Indoor Air Monitoring/13297

BILL TO: Accounts Payable
Environmental Health & Engineering, Inc.
117 Fourth Avenue
Needham, MA 02494

Analysis Code: SubContract

TERMS: NET 30

Reporting Method: ATL Application #61 NO2-Radiello 166

Other Records

@Air Toxics Ltd.

DATA REVIEW CHECKLIST

Work Order #: 0909127DE

A_1	A_2	R	T	M	Q	
☐	☐	☑	☐	☑	☐	Analysis/Reporting vs. Project Profile/SOP requirements checked (i.e. 100% Dups, J-Flag to MDL, etc)
		☑	☐	☑	☐	The final report has the correct reporting list, special units, and header info.
		☐	☐	☐	☐	Lab Narrative is correct (proper method & description/Receiving & Analytical notes correct)
		NA	NA	☐	☐	Sample Discrepancy Report (SDR) is completed
☐	☐	☐	☐	☐	☐	Corrective Action issued - #
☐	☐	☐	☐	☐	☐	Unusual circumstances have been documented in the notes section below

LUMEN *validation report present and initialed* **CIRCLE (YES / NO)**

☐	☐	☑	☐	☑	☐	Lab Blank, CCV, LCS and DUP met QC criteria
☐	☐	☑	☐	☑	☐	Hold time is met for all samples
		☑	☐	NA	☐	Appropriate data qualifier flags are applied
		☐	☐	NA	☐	Manual integrations for samples and QC are properly documented
☐	☐	☑	☐		☐	Samples analyzed within the project or method specific clock
		NA	☐			Retention times have been verified
☐	☐	☑	☐		☐	Appropriate ICAL(s) included
		☑	☐	NA	☑	At least one result per sample is verified against the target quant sheets/raw data
☐	☐	☑	☐		☐	Dilution factor correctly calculated (sample load volume, syringe and bag dilutions, can pressurization(s))
☐	☐	☑	☐			Correct amount of sample analyzed (i.e. sample not over-diluted)
		NA	☐			Spectra verified - documentation of spectral defense included (Section 5A of eCVP pkg)
		☐	☐			TICs resemble reference spectra
		☐	☐			TICs between duplicate samples are consistent
☐	☐	☑	☐	☑	☐	Checked samples for trends (i.e. Influent vs. Effluent, Field Dups, Field/Trip Blank, etc.)
☐	☐	NA	☐			Data for multiple analyses of sample(s) has been evaluated for comparability of results
		☐		☐		Special units for all samples in the final report are correctly calculated
		☑	☐	NA		Manually entered results checked (i.e. TPH/NMOC)
☐	☐	☑				Chain of Custody verified for any special comments (i.e. different compounds/RLs, action levels)
		☑				Chain of Custody scanned correctly
				☐		Verify sample id's vs. chain of custody
		NA				Date MDL(s) performed per instrument(s)
☐	☐	NA				Samples pressurized w/ appropriate gas (N_2 or He) ☑ Other (i.e. Tedlar bag, cartridge, sorbent) Rad 166
☐	☐	☐				Final pressure consistent with canister size (6L vs. 1L)
☐	☐	☐				Verify receipt pressures
☐	☐	☐				Verify canister ID #'s
		☑		☐		Final invoice amount correct (adjusted for TAT, Penalties, Re-issue Charges etc.)
				NA 10/9		MDL date(s) present for all instruments utilized
		NA	☐	NA	☐	Client LUMEN report reviewed for accuracy and completeness

Notes: *(to include: noting samples with QA/QC problems, Blanks with positive hits, narratives, etc.)*

A/R:

D - Subcontracted to APPL

C - Converted from Sulfide/Sulfate to SO_2 in house

E - Hydrofluric Acid subcontracted to APPL

M/Q:

A_1/A_2 (Analytical Review/Date)	R/T (Reporting Review/Date)	M (Management Review/Date)	Q (QA Review/Date)
A_1:	R: 10/9/09	10/10/09	
A_2:	T:	HF - 10/16/09	

Note (1): Please check all the appropriate boxes. Indicate "NA" for any statement that does not apply. Rev. 02/2008

Note (2): Management reviewer and reporting reviewer must be separate individuals.

Laboratory Report

Air Toxics, Ltd

16512

ARF 59752

APPL, Inc.

INORGANIC ANALYSIS

APPL, INC.

Data Validation Package
for

INORGANIC ANALYSIS

TABLE OF CONTENTS

LABORATORY NAME: *APPL, Inc.*

Case Narrative	4
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Sample Data	25
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APPL, INC.

INORGANIC ANALYSIS
Case Narrative

APPL, INC.

908 North Temperance Ave. ∇ Clovis, CA 93611 ∇ Phone 559-275-2175 ∇ Fax 559-275-4422

EPA Method 300.0
Sulfate/Sulfide & Fluoride
Case Narrative

ARF: 59752

Project: 16512

State Certification Number: CA1312 (DW & WW)

NELAP Certification number: 05233CA (HW)

Results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sample Receipt Information:

The sample group was received on August 12, 2009, at 6.0°C. The sample group was assigned Analytical Request Form (ARF) number 59752. The sample numbers and requested analyses were compared to the chains of custody. No exception was encountered.

Sample Table

CLIENT ID	APPL ID	Matrix	Date Sampled	Date Received
100788	AY03188	WATER	08/08/88	09/12/09
100789	AY03189	WATER	08/08/88	09/12/09
100790	AY03190	WATER	08/08/88	09/12/09
100791	AY03191	WATER	08/08/88	09/12/09
100792	AY03192	WATER	08/08/88	09/12/09
100793	AY03193	WATER	08/08/88	09/12/09
102422	AY03194	WATER	08/08/88	09/12/09
102423	AY03195	WATER	08/08/88	09/12/09
102424	AY03196	WATER	08/08/88	09/12/09
102425	AY03197	WATER	08/08/88	09/12/09
102426	AY03198	WATER	08/08/88	09/12/09
102427	AY03199	WATER	08/08/88	09/12/09
102492	AY03200	WATER	08/08/88	09/12/09
102493	AY03201	WATER	08/08/88	09/12/09
102494	AY03202	WATER	08/08/88	09/12/09
102495	AY03203	WATER	08/08/88	09/12/09
102496	AY03204	WATER	08/08/88	09/12/09
102402	AY03205	WATER	08/08/88	09/12/09
102555	AY03206	WATER	08/08/88	09/12/09
102556	AY03207	WATER	08/08/88	09/12/09
102557	AY03208	WATER	08/08/88	09/12/09
102558	AY03209	WATER	08/08/88	09/12/09
102559	AY03210	WATER	08/08/88	09/12/09

102560	AY03211	WATER	08/08/88	09/12/09
102675	AY03212	WATER	08/08/88	09/12/09
102676	AY03213	WATER	08/08/88	09/12/09
102677	AY03214	WATER	08/08/88	09/12/09
102678	AY03215	WATER	08/08/88	09/12/09
102679	AY03216	WATER	08/08/88	09/12/09
102680	AY03217	WATER	08/08/88	09/12/09
102109	AY03218	WATER	08/08/88	09/12/09
102110	AY03219	WATER	08/08/88	09/12/09
102111	AY03220	WATER	08/08/88	09/12/09
102112	AY03221	WATER	08/08/88	09/12/09
102113	AY03222	WATER	08/08/88	09/12/09
102133	AY03223	WATER	08/08/88	09/12/09
102134	AY03224	WATER	08/08/88	09/12/09
102135	AY03225	WATER	08/08/88	09/12/09
102136	AY03226	WATER	08/08/88	09/12/09
102137	AY03227	WATER	08/08/88	09/12/09
102138	AY03228	WATER	08/08/88	09/12/09
102165	AY03229	WATER	08/08/88	09/12/09
102166	AY03230	WATER	08/08/88	09/12/09
102167	AY03231	WATER	08/08/88	09/12/09
102168	AY03232	WATER	08/08/88	09/12/09
102169	AY03233	WATER	08/08/88	09/12/09
102170	AY03234	WATER	08/08/88	09/12/09
METHOD BLANK 1	AY03235	WATER	08/08/88	09/12/09
METHOD BLANK 2	AY03236	WATER	08/08/88	09/12/09

All samples were screened for responses down to the MDL.

Sample Preparation Information:

The samples were received as extracts.

Analysis Information:

Samples:

The samples were analyzed according to EPA method 300.0 using a Dionex DX500 ion chromatograph. All holding times were met.

Calibrations:

Calibrations were performed according to the method for the initial calibration and the initial calibration verification. The initial calibration verification is prepared from a second source standard.

Blanks:

No target analyte was detected above the reporting limits in the method blanks.

Spikes:

Laboratory Control Spikes (LCS) were used for quality assurance. All recoveries were within acceptance limits.

No sample was designated for MS/MSD analysis.

Summary:

No analytical exception is noted.

CERTIFICATION

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. These test results meet all requirements of NELAC. Release of the hard copy has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

9/23/09

Leonard Fong, Ph.D, Laboratory Director / Date

INORGANIC ANALYSIS
Chain of Custody and ARF

APPL, INC.

APPL - Analysis Request Form 59752

Client: **Air Toxics Ltd.**
Address: **180 Blue Ravine Rd.**
Folsom, CA 95630
Attn: **Ausha Scott**
Phone: **916-605-3344** Fax: **916-985-1020**
Job: **16512**
PO #: **0909127D**
Chain of Custody (Y/N): **Y** #
RAD Screen (Y/N): **Y** pH (Y/N): **N**
Turn Around Type: **2 WEEKS**

Received by: **TBV**
Date Received: **09/12/09** Time: **12:40**
Delivered by: **FED EX**
Shuttle Custody Seals (Y/N): **N**
Chest Temp(s): **6.0°C**
Color: **G-BLUE**
Samples Chilled until Placed in Refrig/Freezer: **Y**
Project Manager: **Diane Anderson**
QC Report Type: **DVP4/EDD/CA**
Due Date: **09/26/09**

Comments:
Full data package and ATL EDD format
Sulfite/Sulfate 5mgIL
Fluoride 1mgIL

Sample Distribution: **Wetlab: 49-$300WSO3(F,SO4)**

Charges:

Invoice To:

	Client ID	APPL ID	Sampled	Analyses Requested
1.	100788	AY03188W	NA 00:00	$300WSO3(F,SO4)
2.	100789	AY03189W	NA 00:00	$300WSO3(F,SO4)
3.	100790	AY03190W	NA 00:00	$300WSO3(F,SO4)
4.	100791	AY03191W	NA 00:00	$300WSO3(F,SO4)
5.	100792	AY03192W	NA 00:00	$300WSO3(F,SO4)
6.	100793	AY03193W	NA 00:00	$300WSO3(F,SO4)
7.	102422	AY03194W	NA 00:00	$300WSO3(F,SO4)

8.	102423	AY03195W	NA	00:00	$300WSO3(F,SO4)
9.	102424	AY03196W	NA	00:00	$300WSO3(F,SO4)
10.	102425	AY03197W	NA	00:00	$300WSO3(F,SO4)
11.	102426	AY03198W	NA	00:00	$300WSO3(F,SO4)
12.	102427	AY03199W	NA	00:00	$300WSO3(F,SO4)
13.	102492	AY03200W	NA	00:00	$300WSO3(F,SO4)
14.	102493	AY03201W	NA	00:00	$300WSO3(F,SO4)
15.	102494	AY03202W	NA	00:00	$300WSO3(F,SO4)
16.	102495	AY03203W	NA	00:00	$300WSO3(F,SO4)
17.	102496	AY03204W	NA	00:00	$300WSO3(F,SO4)
18.	102402	AY03205W	NA	00:00	$300WSO3(F,SO4)
19.	102555	AY03206W	NA	00:00	$300WSO3(F,SO4)
20.	102556	AY03207W	NA	00:00	$300WSO3(F,SO4)
21.	102557	AY03208W	NA	00:00	$300WSO3(F,SO4)
22.	102558	AY03209W	NA	00:00	$300WSO3(F,SO4)
23.	102559	AY03210W	NA	00:00	$300WSO3(F,SO4)
24.	102560	AY03211W	NA	00:00	$300WSO3(F,SO4)
25.	102675	AY03212W	NA	00:00	$300WSO3(F,SO4)
26.	102676	AY03213W	NA	00:00	$300WSO3(F,SO4)
27.	102677	AY03214W	NA	00:00	$300WSO3(F,SO4)
28.	102678	AY03215W	NA	00:00	$300WSO3(F,SO4)
29.	102679	AY03216W	NA	00:00	$300WSO3(F,SO4)
30.	102680	AY03217W	NA	00:00	$300WSO3(F,SO4)
31.	102109	AY03218W	NA	00:00	$300WSO3(F,SO4)
32.	102110	AY03219W	NA	00:00	$300WSO3(F,SO4)
33.	102111	AY03220W	NA	00:00	$300WSO3(F,SO4)

34. 102112	AY03221W	NA	00:00	$300WSO3(F,SO4)
35. 102113	AY03222W	NA	00:00	$300WSO3(F,SO4)
36. 102133	AY03223W	NA	00:00	$300WSO3(F,SO4)
37. 102134	AY03224W	NA	00:00	$300WSO3(F,SO4)
38. 102135	AY03225W	NA	00:00	$300WSO3(F,SO4)
39. 102136	AY03226W	NA	00:00	$300WSO3(F,SO4)
40. 102137	AY03227W	NA	00:00	$300WSO3(F,SO4)
41. 102138	AY03228W	NA	00:00	$300WSO3(F,SO4)
42. 102165	AY03229W	NA	00:00	$300WSO3(F,SO4)
43. 102166	AY03230W	NA	00:00	$300WSO3(F,SO4)
44. 102167	AY03231W	NA	00:00	$300WSO3(F,SO4)
45. 102168	AY03232W	NA	00:00	$300WSO3(F,SO4)
46. 102169	AY03233W	NA	00:00	$300WSO3(F,SO4)
47. 102170	AY03234W	NA	00:00	$300WSO3(F,SO4)
48. METHOD BLANK 1	AY03235W	NA	00:00	$300WSO3(F,SO4)
49. METHOD BLANK 2	AY03236W	NA	00:00	$300WSO3(F,SO4)

Initials _____ Date _____

APPL Sample Receipt Form

ARF# **59752**

Sample	Container Type	Count	pH
AY03188	26 Other	1	NA
AY03189	26 Other	1	NA
AY03190	26 Other	1	NA
AY03191	26 Other	1	NA
AY03192	26 Other	1	NA
AY03193	26 Other	1	NA
AY03194	26 Other	1	NA
AY03195	26 Other	1	NA
AY03196	26 Other	1	NA
AY03197	26 Other	1	NA
AY03198	26 Other	1	NA
AY03199	26 Other	1	NA
AY03200	26 Other	1	NA
AY03201	26 Other	1	NA
AY03202	26 Other	1	NA
AY03203	26 Other	1	NA
AY03204	26 Other	1	NA
AY03205	26 Other	1	NA
AY03206	26 Other	1	NA
AY03207	26 Other	1	NA
AY03208	26 Other	1	NA
AY03209	26 Other	1	NA
AY03210	26 Other	1	NA
AY03211	26 Other	1	NA
AY03212	26 Other	1	NA
AY03213	26 Other	1	NA
AY03214	26 Other	1	NA
AY03215	26 Other	1	NA
AY03216	26 Other	1	NA
AY03217	26 Other	1	NA
AY03218	26 Other	1	NA
AY03219	26 Other	1	NA
AY03220	26 Other	1	NA
AY03221	26 Other	1	NA
AY03222	26 Other	1	NA
AY03223	26 Other	1	NA
AY03224	26 Other	1	NA
AY03225	26 Other	1	NA
AY03226	26 Other	1	NA
AY03227	26 Other	1	NA
AY03228	26 Other	1	NA
AY03229	26 Other	1	NA
AY03230	26 Other	1	NA
AY03231	26 Other	1	NA
AY03232	26 Other	1	NA

Sample	Container Type	Count	pH
AY03233	26 Other	1	NA
AY03234	26 Other	1	NA
AY03235	26 Other	1	NA
AY03236	26 Other	1	NA

Air Toxics LTD.

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection handling or shipping of these samples. Relinquished signature also indicated agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922.

AIR TOXICS LTD.
180 BLUE RAVINE RD, SUITE B
FOLSOM, CA 95630-1020
916-985-1000 main line
916-985-1020 fax line

Chain-of-Custody Record

Project Manager:Ausha Scott
Company:Air Toxics Ltd.
Address:180 Blue Ravine Rd City: Folsom
State:CA Zip: 95630
Phone:916-605-3344 FAX:916-985-1020

Collected By (print and sign):

Project Information:

P.O. # 0909127D
Project # 16512
Project Name

Turn Around Time:

☒ Normal
☐ Rush
Specify

Reporting Units:

☐ ppmv
☐ ppbv
☐ ug/m3
☐ mg/m3

Lab I.D.	Field Sample I.D.	Tube/ Cartridge	Date of Collection	Start Time	End Time	Duration	Final Volume	Analysis Requested
	100788							Sulfite, Sulfate and Fluoride by
	100789							Method 300
	100790							
	100791							
	100792							
	100793							
	102422							
	102423							
	102424							
	102425							

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Relinquished By: (Signature) Date/Time: A Scott 9/11/09 1050
Received By: (Signature) Date/Time:

Relinquished By: (Signature) Date/Time:
Received By: (Signature) Date/Time:

Relinquished By: (Signature) Date/Time:
Received By: (Signature) Date/Time: 9/12/09 12:40

Pump Calibration Information
Pre-test Flow Rate:
Post-test Flow Rate:
Average Flow Rate:

Notes:
Full Data Package
+ ATL EDD needed

Air Toxics LTD.

Sample Transportation Notice

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Collected By (print and sign):

Project Information:

P.O. # 0909127D
Project # 16512
Project Name

Turn Around Time:

☒ Normal
☐ Rush Specify

Reporting Units:

☐ ppmv
☐ ppbv
☐ ug/m3
☐ mg/m3

Lab I.D.	Field Sample I.D.	Tube/ Cartridge	Date of Collection	Start Time	End Time	Duration	Final Volume	Analysis Requested
	102426							Sulfite, Sulfate and Fluoride by
	102427							Method 300
	102492							
	102493							
	102494							
	102495							
	102496							
	102402							
	102555							
	102556							

14

Relinquished By: (Signature) Date/Time: A Scott 9/11/09 1050
Received By: (Signature) Date/Time:

Relinquished By: (Signature) Date/Time:
Received By: (Signature) Date/Time:

Relinquished By: (Signature) Date/Time:
Received By: (Signature) Date/Time: 9/12/09 12:40

Pump Calibration Information
Pre-test Flow Rate:
Post-test Flow Rate:
Average Flow Rate:

Notes:

Air Toxics LTD.

Sample Transportation Notice

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Project Manager:Ausha Scott
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State:CA Zip: 95630
Phone:916-605-3344 FAX:916-985-1020

Collected By (print and sign):

Project Information:
P.O. # 0909127D
Project # 16512
Project Name

Turn Around Time:
☒ Normal
☐ Rush Specify

Reporting Units:
☐ ppmv
☐ ppbv
☐ ug/m3
☐ mg/m3

Lab I.D.	Field Sample I.D.	Tube/ Cartridge	Date of Collection	Start Time	End Time	Duration	Final Volume	Analysis Requested
	102557							Sulfite, Sulfate and Fluoride by Method 300
	102558							
	102559							
	102560							
	102675							
	102676							
	102677							
	102678							
	102679							
	102680							

Relinquished By: (Signature) Date/Time: AT Scott 9/11/09 1050
Received By: (Signature) Date/Time:

Relinquished By: (Signature) Date/Time:
Received By: (Signature) Date/Time:

Relinquished By: (Signature) Date/Time:
Received By: (Signature) Date/Time: 9/12/09 12:40

Pump Calibration Information
Pre-test Flow Rate:
Post-test Flow Rate:
Average Flow Rate:

Notes:

Air Toxics LTD.

Chain-of-Custody Record

Sample Transportation Notice

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916-985-1000 main line
916-985-1020 fax line

Project Manager:Ausha Scott
Company:Air Toxics Ltd.
Address:180 Blue Ravine Rd City: Folsom
State:CA Zip: 95630
Phone:916-605-3344 FAX:916-985-1020

Collected By (print and sign):

Project Information:

P.O. # 0909127D
Project # 16512
Project Name

Turn Around Time:

☒ Normal
☐ Rush Specify

Reporting Units:

☐ ppmv
☐ ppbv
☐ ug/m3
☐ mg/m3

Lab I.D.	Field Sample I.D.	Tube/ Cartridge	Date of Collection	Start Time	End Time	Duration	Final Volume	Analysis Requested
	102109							Sulfite, Sulfate and Fluoride by Method 300
	102110							
	102111							
	102112							
	102113							
	102133							
	102134							
	102135							
	102136							
	102137							

Relinquished By: (Signature) Date/Time
ATScott 9/11/09 1050

Received By: (Signature) Date/Time

Relinquished By: (Signature) Date/Time

Received By: (Signature) Date/Time

Relinquished By: (Signature) Date/Time

Received By: (Signature) Date/Time
9/12/09 1250

Pump Calibration Information
Pre-test Flow Rate:

Post-test Flow Rate:

Average Flow Rate:

Notes:

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Air Toxics LTD.

Chain-of-Custody Record

Sample Transportation Notice

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FOLSOM, CA 95630-1020
916-985-1000 main line
916-985-1020 fax line

Project Manager:Ausha Scott
Company:Air Toxics Ltd.
Address:180 Blue Ravine Rd City: Folsom
State:CA Zip: 95630
Phone:916-605-3344 FAX:916-985-1020

Collected By (print and sign):

Project Information:

P.O. # 0909127D
Project # 16512
Project Name

Turn Around Time:

☒ Normal
☐ Rush Specify

Reporting Units:

☐ ppmv
☐ ppbv
☐ ug/m3
☐ mg/m3

Lab I.D.	Field Sample I.D.	Tube/ Cartridge	Date of Collection	Start Time	End Time	Duration	Final Volume	Analysis Requested
	102138							Sulfite, Sulfate and Fluoride by
	102165							Method 300
	102166							
	102167							
	102168							
	102169							
	102170							
	Method Blank 1							
	Method Blank 2							

17

Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time
A Scott 9/11/09 1050	
Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time
Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time
	9/12/09 12:40

Pump Calibration Information
Pre-test Flow Rate:
Post-test Flow Rate:
Average Flow Rate:

Notes:

COOLER RECEIPT FORM

1) Project: 16512 Date Received: 9/12/09

2) Coolers: Number of Coolers: 1

3) (YES) NO Were coolers and samples screened for radioactivity?

4) YES (NO) Were custody seals on outside of cooler? How many?_____ Date on seal? _____

5) Name on seal?_____

6) YES NO (NA) Were custody seals unbroken and intact at the time of arrival?

7) (YES) NO Did the cooler come with a shipping slip (air bill, etc.)? Carrier name: Fed Ex

8) Shipping slip numbers:1) 4080 5021 0172 2)_____ 3)_____

9) (YES) NO NA Was the shipping slip scanned into the database?

10) YES (NO) NA If cooler belongs to APPL, has it been logged into the ice chest database?

11) Describe type of packing in cooler (bubble wrap, popcorn, type of ice, etc.): bubble wrap, vial case holder, in blue ice

12) YES NO (NA) For hand delivered samples was sufficient ice present to start the cooling process?

13) (YES) NO Was a temperature blank included in the cooler?

14) Serial number of certified NIST thermometer used: A39267 Correction factor: 0

15) Cooler temp(s): 1) 6.0°C 2)_____ 3)_____ 4)_____ 5)_____ 6)_____ 7)_____ 8)_____

Chain of custody:

16) (YES) NO Was a chain of custody received?

17) (YES) NO Were the custody papers signed in the appropriate places?

18) (YES) NO Was the project identifiable from custody papers?

19) YES (NO) Did the chain of custody include date and time of sampling?

20) YES (NO) Is location where sample was taken listed on the chain of custody?

Sample Labels:

21) (YES) NO Were container labels in good condition?

22) (YES) NO Was the client ID on the label?

23) YES (NO) Was the date of sampling on the label?

24) YES (NO) Was the time of sampling on the label?

25) (YES) NO Did all container labels agree with custody papers?

Sample Containers:

26) (YES) NO Were all containers sealed in separate bags?

27) (YES) NO Did all containers arrive unbroken?

28) YES (NO) Was there any leakage from samples?

29) YES (NO) Were any of the lids cracked or broken?

30) (YES) NO Were correct containers used for the tests indicated?

31) (YES) NO Was a sufficient amount of sample sent for tests indicated?

32) YES NO (NA) Were bubbles present in volatile samples? If yes, the following were received with air bubbles:

Larger than a pea: _____

Smaller than a pea: _____

Preservation & Hold time:

33) (YES) NO NA Was a sufficient amount of holding time remaining to analyze the samples?

34) YES NO (NA) Do the sample containers contain the same preservative as what is stated on the COC?

35) YES NO (NA) Was the pH taken of all non-VOA preserved samples and written on the sample container?

36) YES NO (NA) Was the pH of acid preserved non-VOA samples < 2 & sodium hydroxide preserved samples > 10?

Lab notified if pH was not adequate:_____

Deficiencies:_____

Signature of personnel receiving samples: Yung Ko Second reviewer: _____

Signature of project manager notified:_____ Date and Time of notification:_____

Name of client notified:_____ Date and Time of notification:_____

Information given to client:_____

_____ by whom (Initials): _____

INORGANIC ANALYSIS
QC Summary

APPL, INC.

WETLAB BLANK

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Analyte	Result	PQL	MDL	Units	Prep Date	Analysis Date	QC Group
EPA 300.0	Fluoride	Not detected	1.0	0.08	mg/L	09/14/09	09/14/09	$300WS-090914A-AY03188
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	5.00	mg/L	09/14/09	09/14/09	$300WS-090914A-AY03188
EPA 300.0	Fluoride	Not detected	1.0	0.08	mg/L	09/15/09	09/15/09	$300WS-090915A1-AY03203
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	5.00	mg/L	09/15/09	09/15/09	$300WS-090915A1-AY03203
EPA 300.0	Fluoride	Not detected	1.0	0.08	mg/L	09/16/09	09/16/09	$300WS-090915A-AY03220
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	5.00	mg/L	09/16/09	09/16/09	$300WS-090915A-AY03220
EPA 300.0	Fluoride	Not detected	1.0	0.08	mg/L	09/17/09	09/17/09	$300WS-090916A-AY03229
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	5.00	mg/L	09/17/09	09/17/09	$300WS-090916A-AY03229

Metals SC-Blank-REG MDLs
Printed: 9/22/2009 9:38:48 AM

Laboratory Control Spike Recovery

WETLAB

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Compound Name	Spike Level mg/L	SPK Result mg/L	SPK % Recovery	Recovery Limits	Extract Date	Analysis Date	QC Group
EPA 300.0	Fluoride	5.00	4.96	99.2	90-110	9/14/2009	9/14/2009	$300WS-090914A-AY03188
EPA 300.0	Sulfate/Sulfite total	50.0	49.6	99.2	90-110	9/14/2009	9/14/2009	$300WS-090914A-AY03188

Comments: _____

Laboratory Control Spike Recovery

WETLAB

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Compound Name	Spike Level mg/L	SPK Result mg/L	SPK % Recovery	Recovery Limits	Extract Date	Analysis Date	QC Group
EPA 300.0	Fluoride	5.00	4.96	99.2	90-110	9/15/2009	9/15/2009	$300WS-090915A1-AY03203
EPA 300.0	Sulfate/Sulfite total	50.0	49.1	98.2	90-110	9/15/2009	9/15/2009	$300WS-090915A1-AY03203

Comments: _____

Laboratory Control Spike Recovery

WETLAB

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Compound Name	Spike Level mg/L	SPK Result mg/L	SPK % Recovery	Recovery Limits	Extract Date	Analysis Date	QC Group
EPA 300.0	Fluoride	5.00	4.92	98.4	90-110	9/16/2009	9/16/2009	$300WS-090915A-AY03220
EPA 300.0	Sulfate/Sulfite total	50.0	48.4	96.8	90-110	9/16/2009	9/16/2009	$300WS-090915A-AY03220

Comments: _____

Printed: 9/22/2009 9:38:37 AM
APPL Standard LCS

Laboratory Control Spike Recovery

WETLAB

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Compound Name	Spike Level mg/L	SPK Result mg/L	SPK % Recovery	Recovery Limits	Extract Date	Analysis Date	QC Group
EPA 300.0	Fluoride	5.00	5.05	101	90-110	9/17/2009	9/17/2009	$300WS-090916A-AY03229
EPA 300.0	Sulfate/Sulfite total	50.0	48.6	97.2	90-110	9/17/2009	9/17/2009	$300WS-090916A-AY03229

Comments: _____

INORGANIC ANALYSIS
Sample Data

APPL, INC.

Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 100788

APPL ID: AY03188

Sample Collection Date: No Date Specified

ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/14/09	09/14/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/14/09	09/14/09

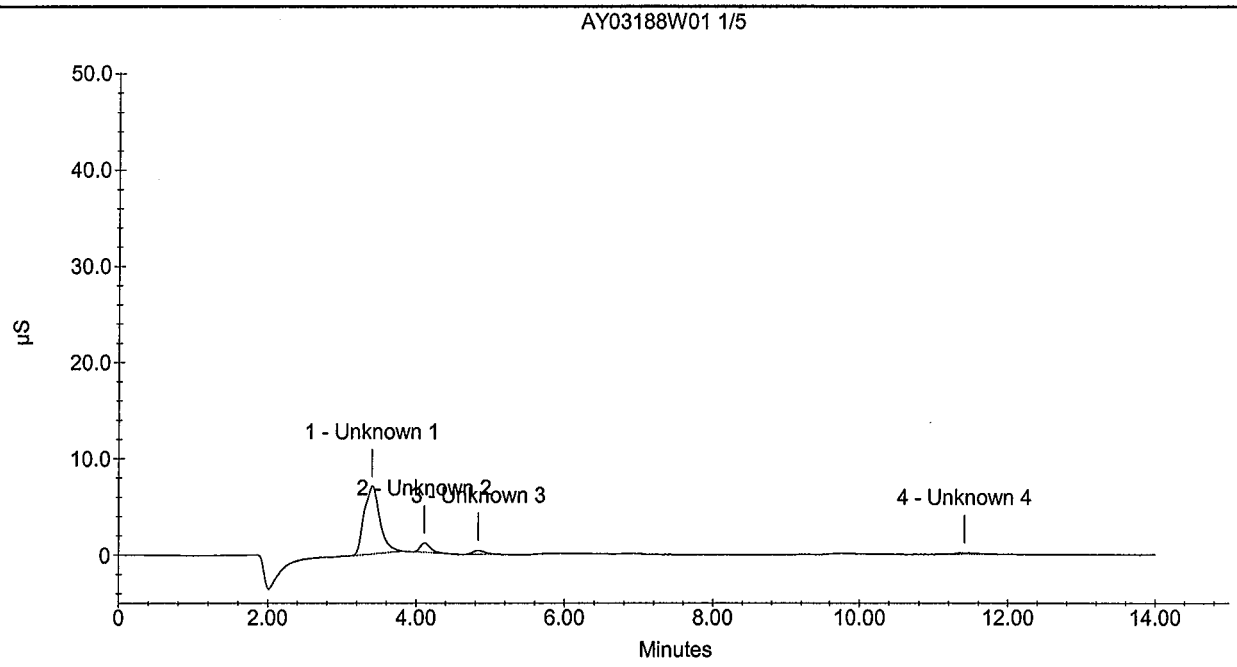
Sample Analysis Report

Sample Name : AY03188W01 1/5
Data File Name : i:\dionex\d1anions\data\090914a\090914a_007.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/14/09 12:18:43 PM
System Operator : pd
Injection Number : 7
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.000	1022729	69367	
2	4.11	Unknown 2	0.000	89552	9355	
3	4.84	Unknown 3	0.000	38571	3686	
4	11.41	Unknown 4	0.000	23216	1201	



Sample Analysis Report

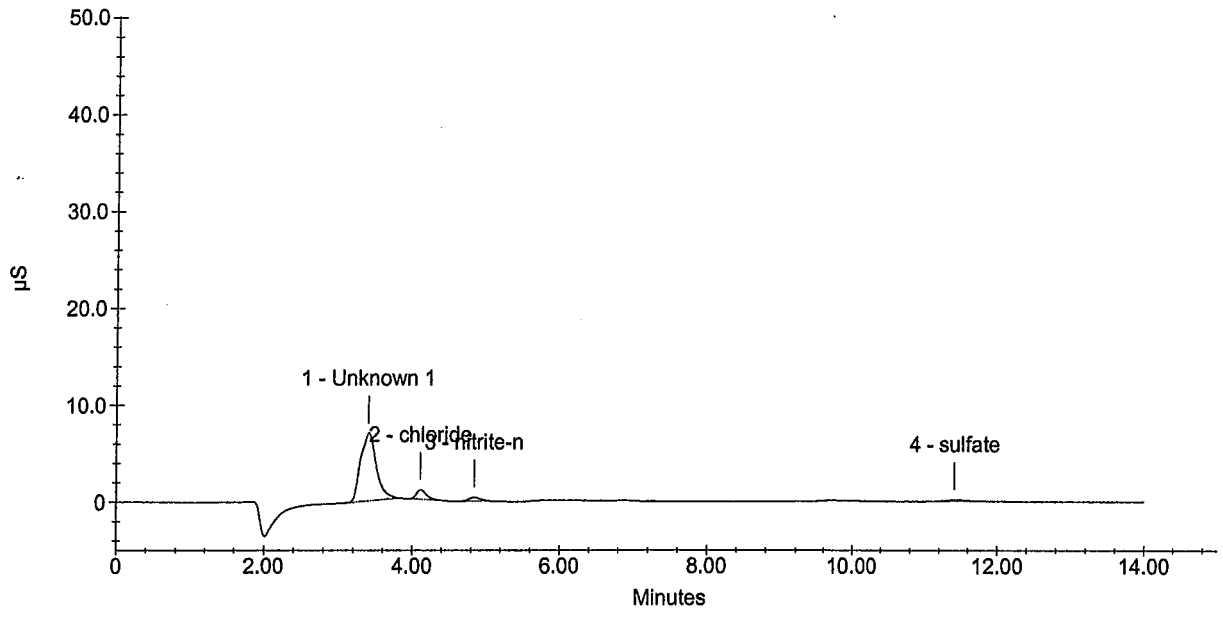
Sample Name : AY03188W01 1/5
Data File Name : i:\dionex\d1anions\data\090914a\090914a_007.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/14/09 12:18:43
System Operator : pd
Injection Number : 7
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	1022729	69367	
2	4.11	chloride	6.0524	89552	9355	
3	4.84	nitrite-n	0.4671	38571	3686	
4	11.41	sulfate	3.2457	23216	1201	

AY03188W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 100789

Sample Collection Date: No Date Specified

APPL ID: AY03189

ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/14/09	09/14/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/14/09	09/14/09

Sample Analysis Report

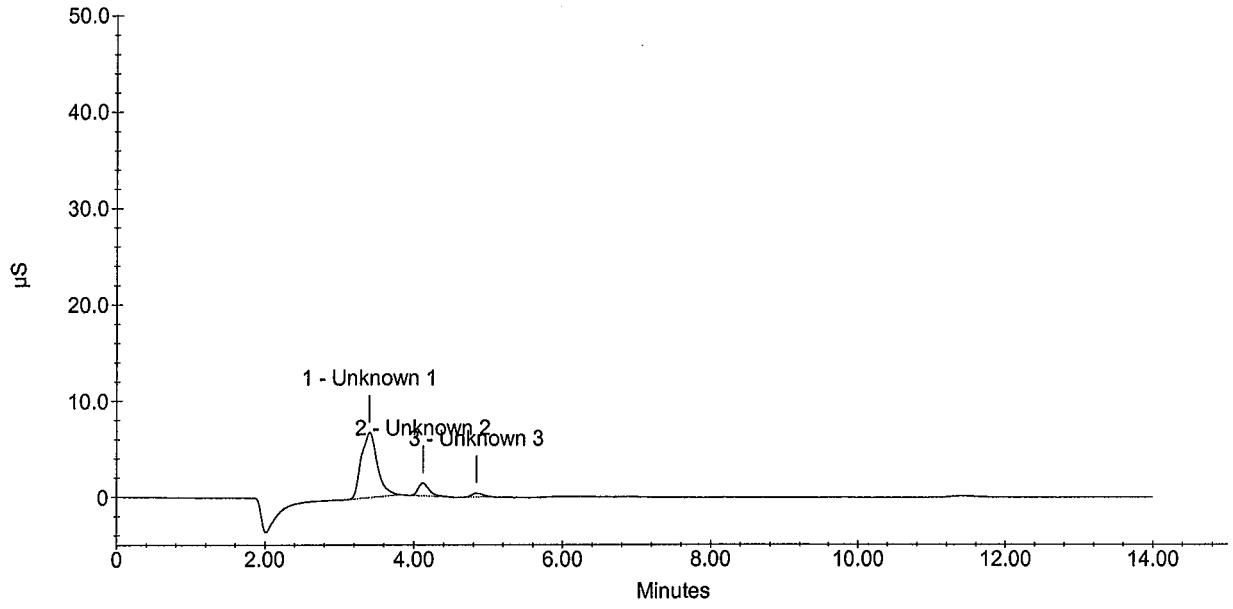
Sample Name : AY03189W01 1/5
Data File Name : i:\dionex\d1anions\data\090914a\090914a_008.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/14/09 12:35:23 PM
System Operator : pd
Injection Number : 8
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.000	996462	67131	
2	4.12	Unknown 2	0.000	132466	13254	
3	4.84	Unknown 3	0.000	37206	3661	

AY03189W01 1/5



Sample Analysis Report

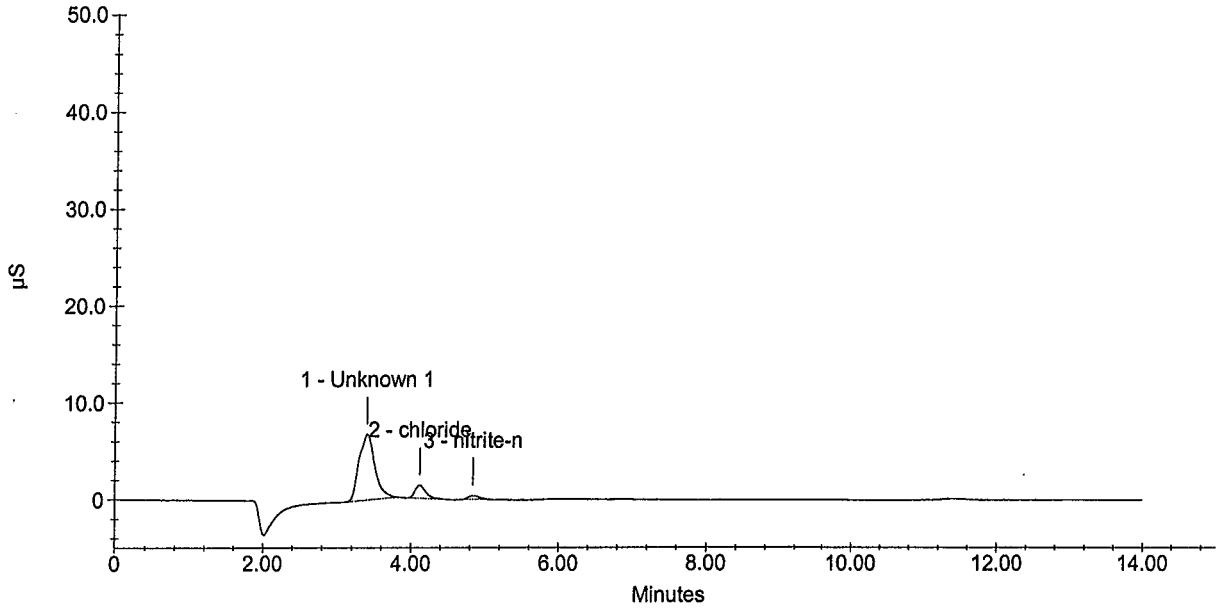
Sample Name : AY03189W01 1/5
Data File Name : i:\dionex\d1anions\data\090914a\090914a_008.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/14/09 12:35:23
System Operator : pd
Injection Number : 8
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	996462	67131	
2	4.12	chloride	6.3461	132466	13254	
3	4.84	nitrite-n	0.4617	37206	3661	

AY03189W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 100790
Sample Collection Date: No Date Specified

APPL ID: AY03190
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/14/09	09/14/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/14/09	09/14/09

Sample Analysis Report

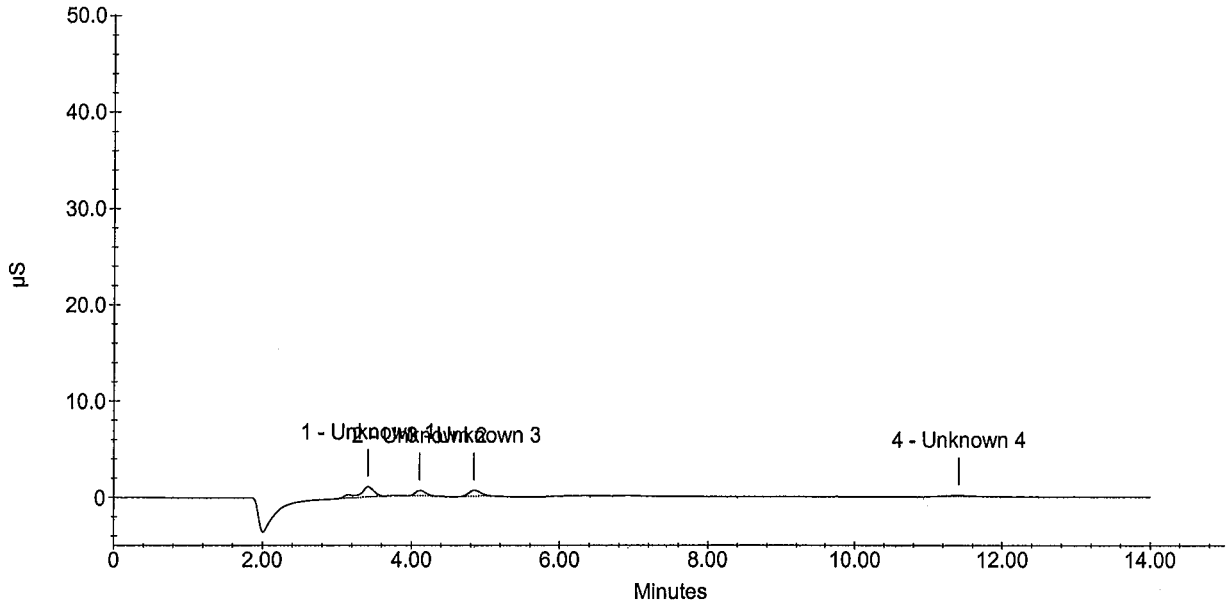
Sample Name : AY03190W01 1/5
Data File Name : i:\dionex\d1anions\data\090914a\090914a_009.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/14/09 12:52:01 PM
System Operator : pd
Injection Number : 9
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.41	Unknown 1	0.000	135983	10239	
2	4.11	Unknown 2	0.000	49192	5349	
3	4.84	Unknown 3	0.000	63780	5928	
4	11.41	Unknown 4	0.000	19493	1088	

AY03190W01 1/5



Sample Analysis Report

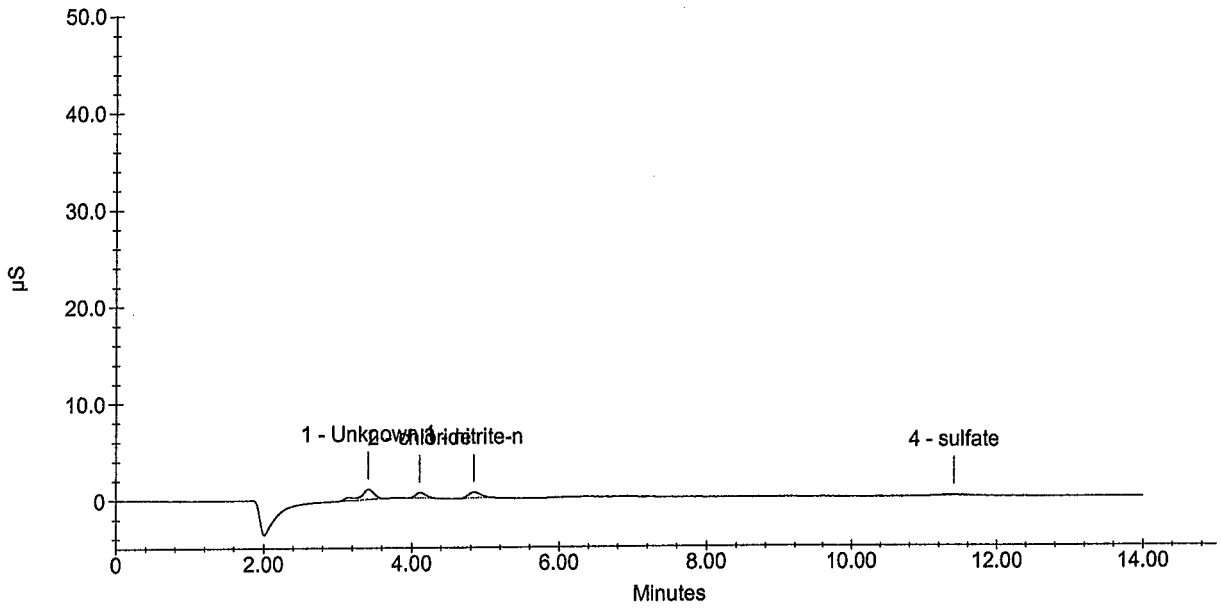
Sample Name : AY03190W01 1/5
Data File Name : i:\dionex\d1anions\data\090914a\090914a_009.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/14/09 12:52:01
System Operator : pd
Injection Number : 9
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.41	Unknown 1	0.0000	135983	10239	
2	4.11	chloride	5.7761	49192	5349	
3	4.84	nitrite-n	0.5668	63780	5928	
4	11.41	sulfate	3.2045	19493	1088	

AY03190W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 100791
Sample Collection Date: No Date Specified

APPL ID: AY03191
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/14/09	09/14/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/14/09	09/14/09

Sample Analysis Report

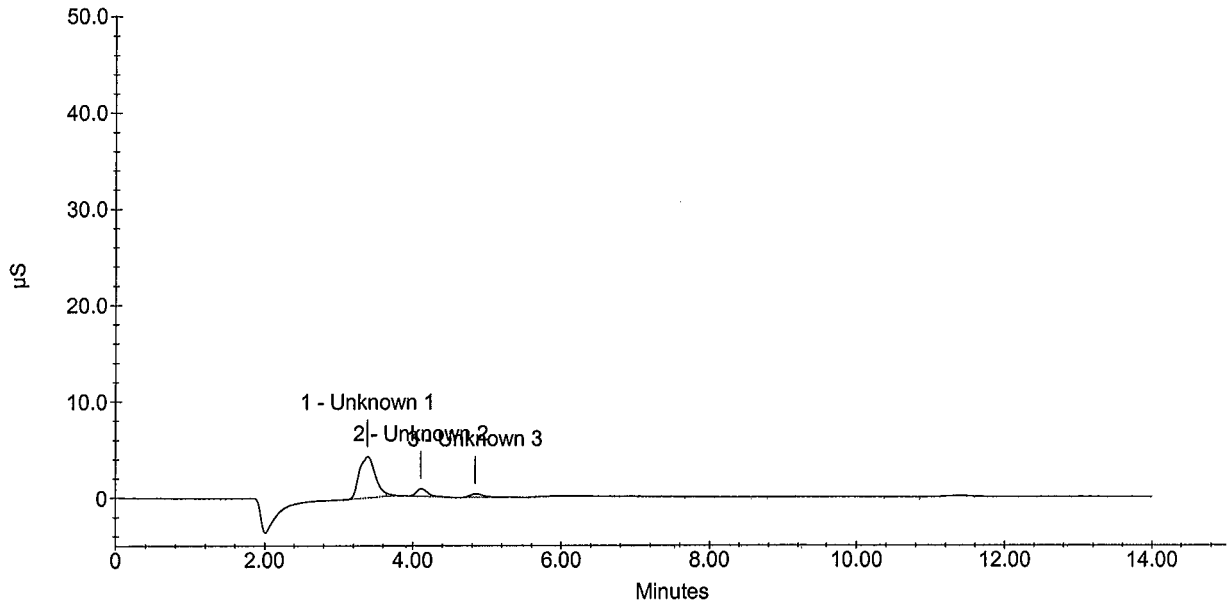
Sample Name : AY03191W01 1/5
Data File Name : i:\dionex\d1anions\data\090914a\090914a_010.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/14/09 1:08:39 PM
System Operator : pd
Injection Number : 10
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.000	640435	42297	
2	4.11	Unknown 2	0.000	77374	7768	
3	4.84	Unknown 3	0.000	35595	3304	

AY03191W01 1/5



Sample Analysis Report

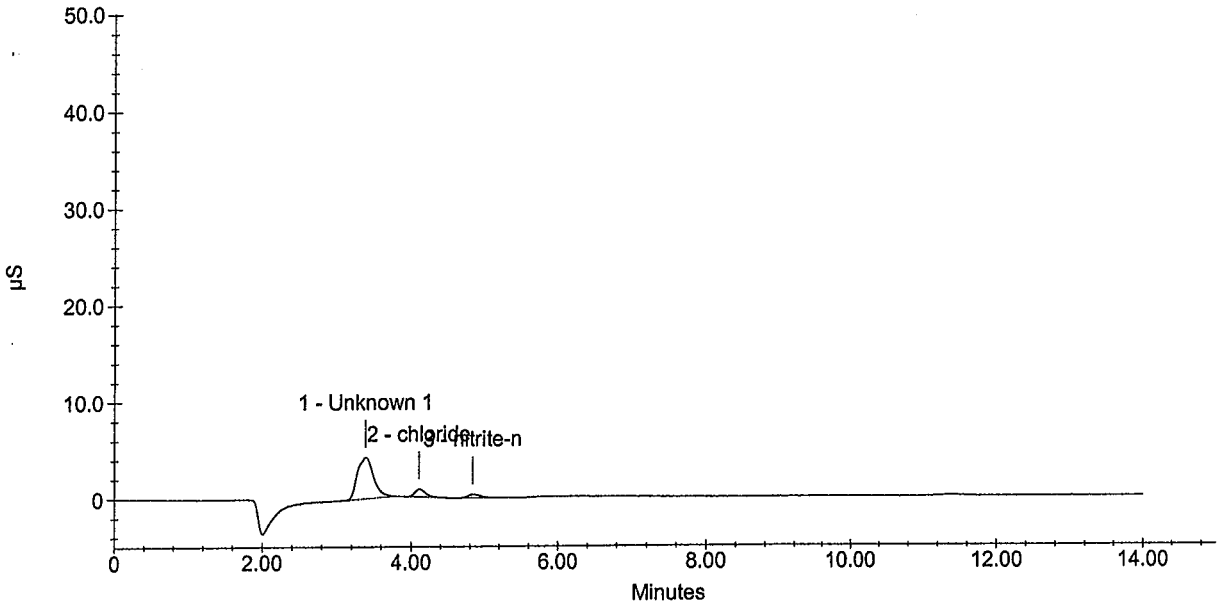
Sample Name : AY03191W01 1/5
Data File Name : i:\dionex\d1anions\data\090914a\090914a_010.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/14/09 13:08:39
System Operator : pd
Injection Number : 10
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	640435	42297	
2	4.11	chloride	5.9690	77374	7768	
3	4.84	nitrite-n	0.4554	35595	3304	

AY03191W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 100792
Sample Collection Date: No Date Specified

APPL ID: AY03192
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/14/09	09/14/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/14/09	09/14/09

Sample Analysis Report

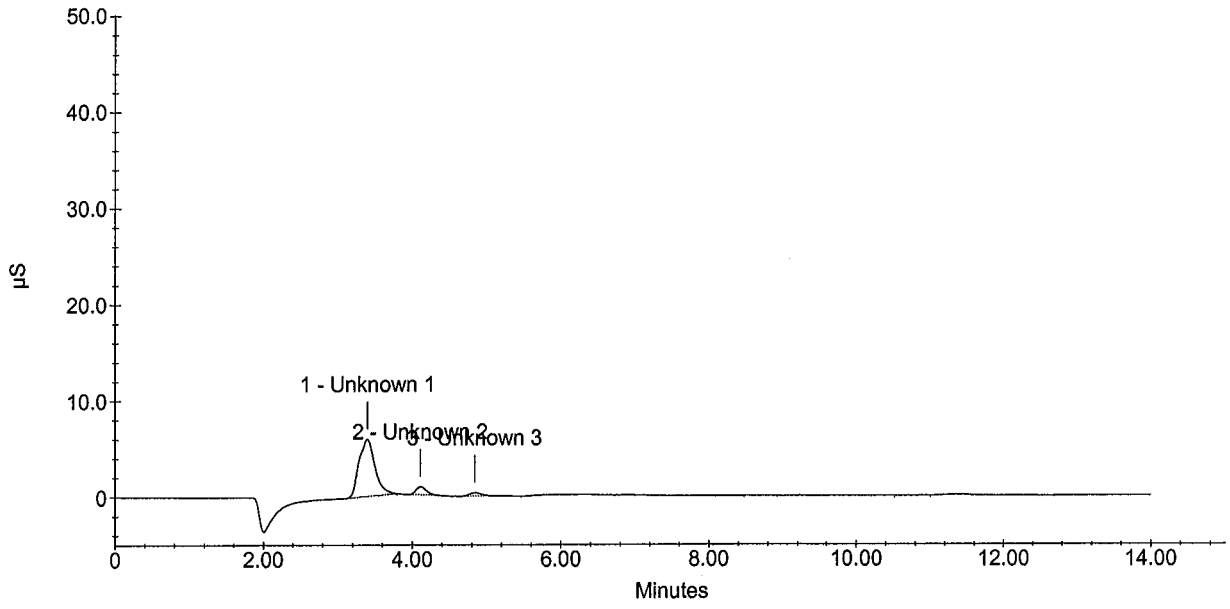
Sample Name : AY03192W01 1/5
Data File Name : i:\dionex\d1anions\data\090914a\090914a_011.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/14/09 1:25:17 PM
System Operator : pd
Injection Number : 11
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.000	871352	59059	
2	4.11	Unknown 2	0.000	74091	8004	
3	4.84	Unknown 3	0.000	33368	3180	

AY03192W01 1/5



Sample Analysis Report

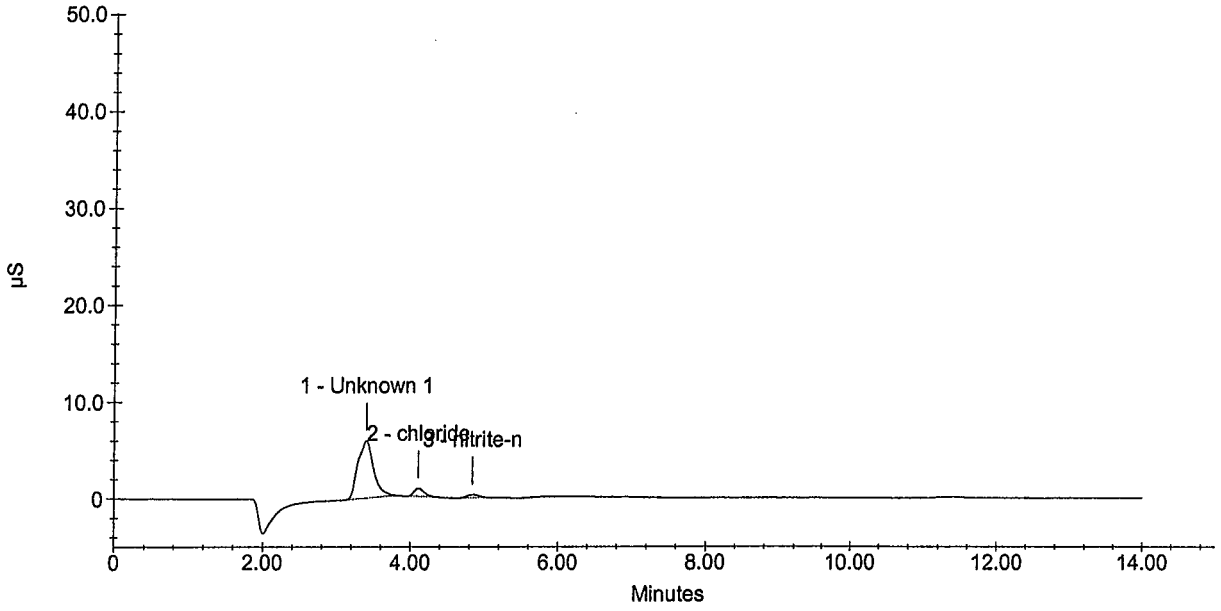
Sample Name : AY03192W01 1/5
Data File Name : i:\dionex\d1anions\data\090914a\090914a_011.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/14/09 13:25:17
System Operator : pd
Injection Number : 11
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	871352	59059	
2	4.11	chloride	5.9466	74091	8004	
3	4.84	nitrite-n	0.4465	33368	3180	

AY03192W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 100793
Sample Collection Date: No Date Specified

APPL ID: AY03193
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/14/09	09/14/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/14/09	09/14/09

Sample Analysis Report

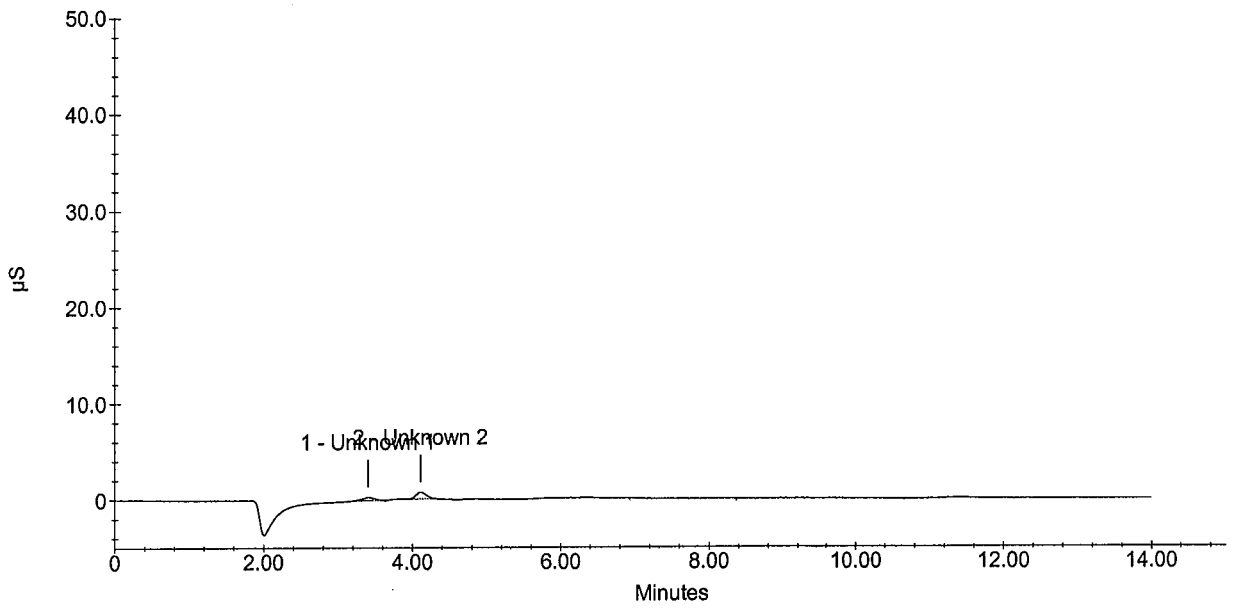
Sample Name : AY03193W01 1/5
Data File Name : i:\dionex\d1anions\data\090914a\090914a_012.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/14/09 1:41:57 PM
System Operator : pd
Injection Number : 12
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.000	32364	3167	
2	4.11	Unknown 2	0.000	62145	6621	

AY03193W01 1/5



Sample Analysis Report

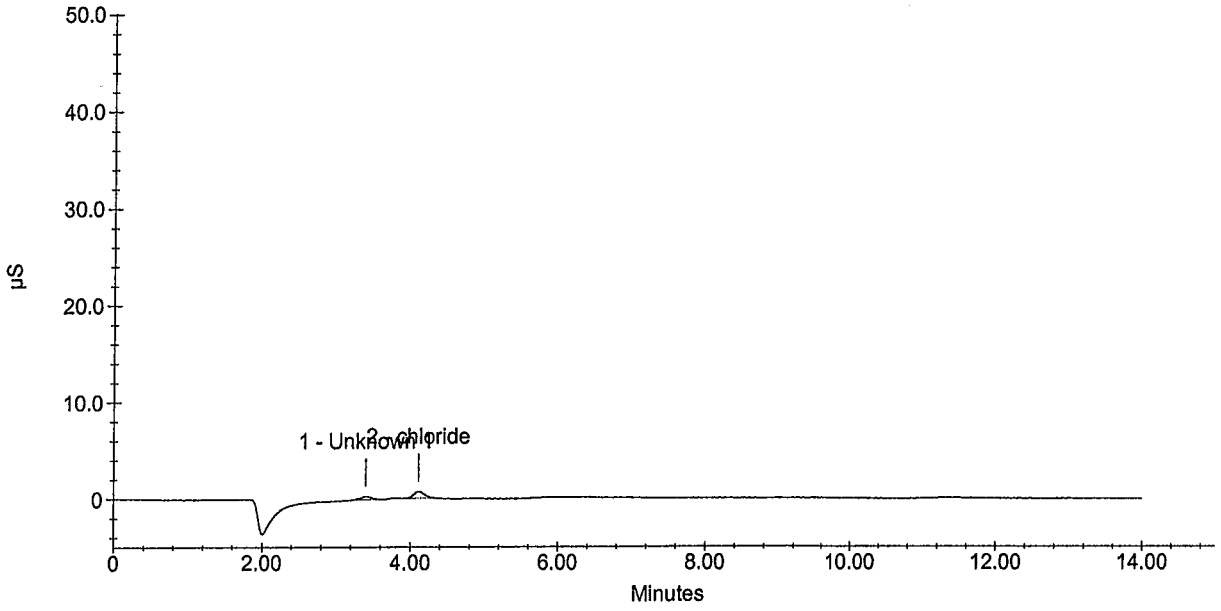
Sample Name : AY03193W01 1/5
Data File Name : i:\dionex\d1anions\data\090914a\090914a_012.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/14/09 13:41:57
System Operator : pd
Injection Number : 12
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	32364	3167	
2	4.11	chloride	5.8648	62145	6621	

AY03193W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102422

Sample Collection Date: No Date Specified

APPL ID: AY03194

ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/14/09	09/14/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/14/09	09/14/09

Sample Analysis Report

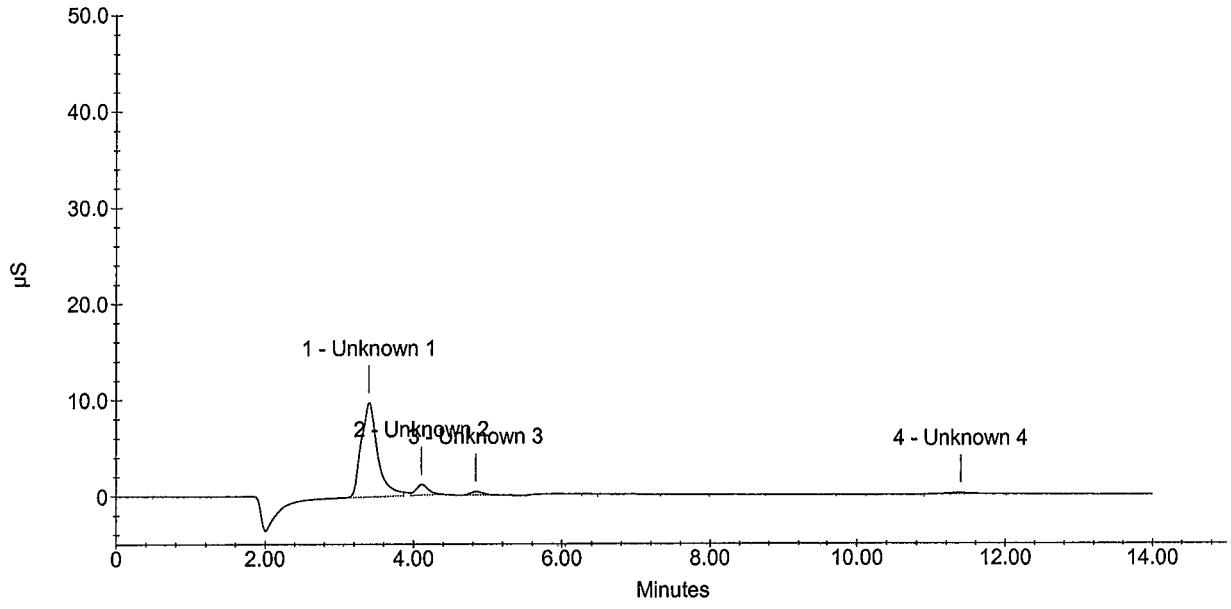
Sample Name : AY03194W01 1/5
Data File Name : i:\dionex\d1anions\data\090914a\090914a_013.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/14/09 1:58:34 PM
System Operator : pd
Injection Number : 13
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.000	1486030	96999	
2	4.11	Unknown 2	0.000	126325	10872	
3	4.84	Unknown 3	0.000	34036	3372	
4	11.40	Unknown 4	0.000	19195	1016	

AY03194W01 1/5



Sample Analysis Report

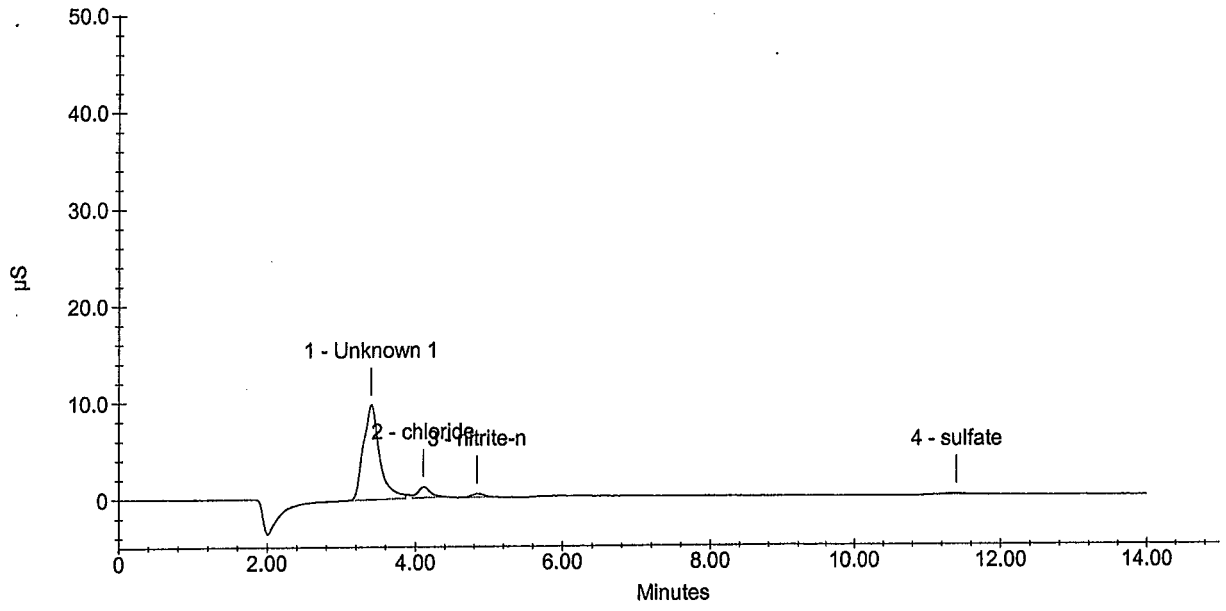
Sample Name : AY03194W01 1/5
Data File Name : i:\dionex\d1anions\data\090914a\090914a_013.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/14/09 13:58:34
System Operator : pd
Injection Number : 13
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	1486030	96999	
2	4.11	chloride	6.3041	126325	10872	
3	4.84	nitrite-n	0.4492	34036	3372	
4	11.40	sulfate	3.2013	19195	1016	

AY03194W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102423

APPL ID: AY03195

Sample Collection Date: No Date Specified

ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/14/09	09/14/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/14/09	09/14/09

Sample Analysis Report

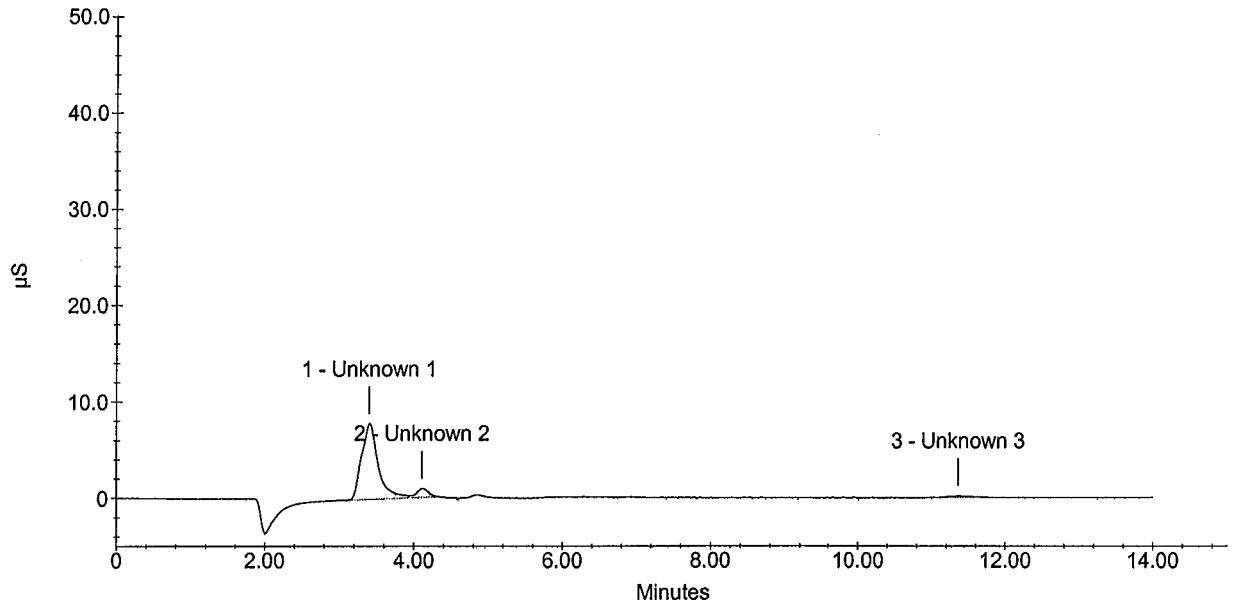
Sample Name : AY03195W01 1/5
Data File Name : i:\dionex\d1anions\data\090914a\090914a_014.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/14/09 2:15:13 PM
System Operator : pd
Injection Number : 14
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.000	1196419	77690	
2	4.11	Unknown 2	0.000	95172	9008	
3	11.36	Unknown 3	0.000	21153	1216	

AY03195W01 1/5



Sample Analysis Report

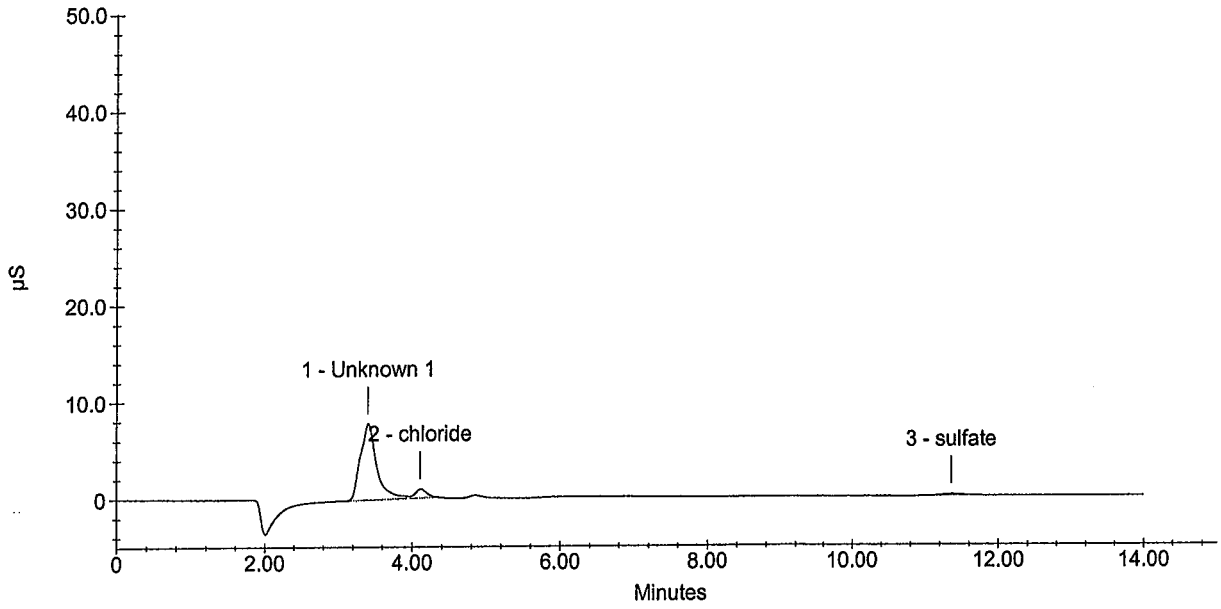
Sample Name : AY03195W01 1/5
Data File Name : i:\dionex\d1anions\data\090914a\090914a_014.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/14/09 14:15:13
System Operator : pd
Injection Number : 14
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	1196419	77690	
2	4.11	chloride	6.0908	95172	9008	
3	11.36	sulfate	3.2229	21153	1216	

AY03195W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102424

Sample Collection Date: No Date Specified

APPL ID: AY03196

ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/14/09	09/14/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/14/09	09/14/09

Sample Analysis Report

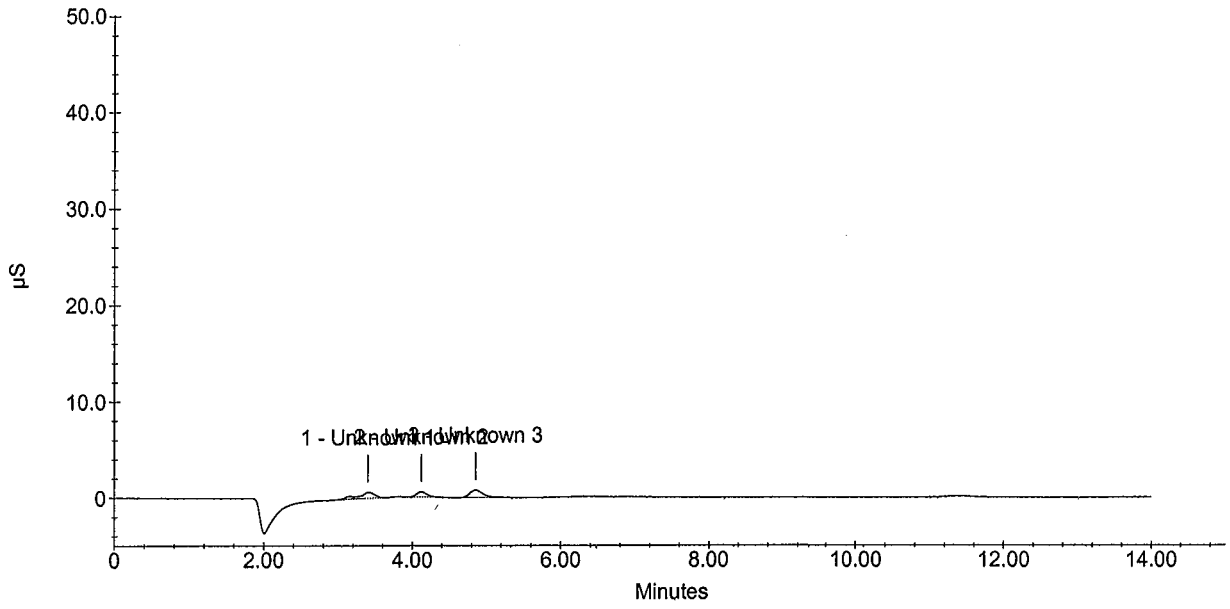
Sample Name : AY03196W01 1/5
Data File Name : i:\dionex\d1anions\data\090914a\090914a_015.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/14/09 2:31:53 PM
System Operator : pd
Injection Number : 15
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.000	91124	5958	
2	4.12	Unknown 2	0.000	47641	5157	
3	4.85	Unknown 3	0.000	94375	7528	

AY03196W01 1/5



Sample Analysis Report

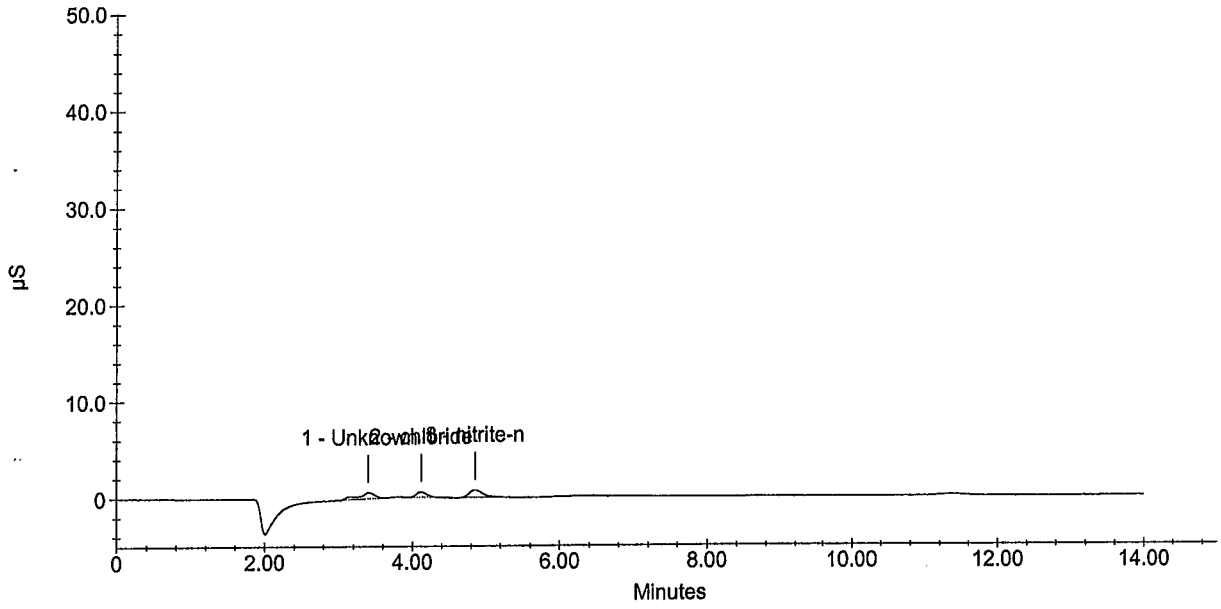
Sample Name : AY03196W01 1/5
Data File Name : i:\dionex\d1anions\data\090914a\090914a_015.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/14/09 14:31:53
System Operator : pd
Injection Number : 15
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	91124	5958	
2	4.12	chloride	5.7655	47641	5157	
3	4.85	nitrite-n	0.6878	94375	7528	

AY03196W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102425
Sample Collection Date: No Date Specified

APPL ID: AY03197
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/14/09	09/14/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/14/09	09/14/09

Sample Analysis Report

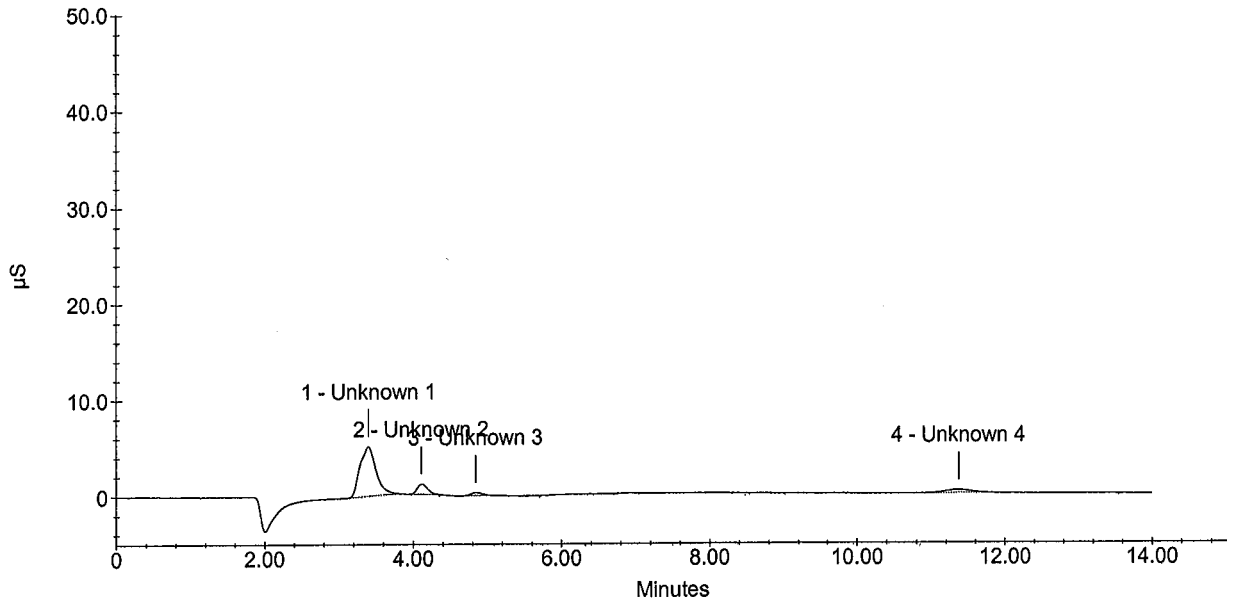
Sample Name : AY03197W01 1/5
Data File Name : i:\dionex\d1anions\data\090914a\090914a_016.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/14/09 2:48:31 PM
System Operator : pd
Injection Number : 16
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.000	761450	51199	
2	4.11	Unknown 2	0.000	98727	10220	
3	4.84	Unknown 3	0.000	28335	2846	
4	11.37	Unknown 4	0.000	78977	3209	

AY03197W01 1/5



Sample Analysis Report

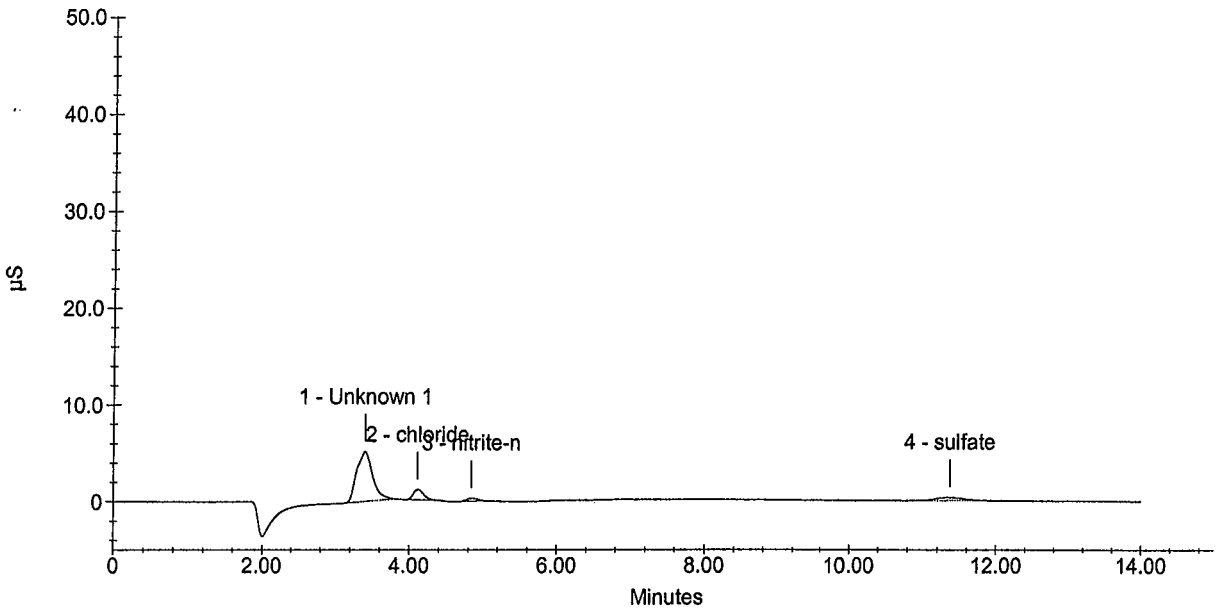
Sample Name : AY03197W01 1/5
Data File Name : i:\dionex\d1anions\data\090914a\090914a_016.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/14/09 14:48:31
System Operator : pd
Injection Number : 16
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	761450	51199	
2	4.11	chloride	6.1152	98727	10220	
3	4.84	nitrite-n	0.4266	28335	2846	
4	11.37	sulfate	3.8620	78977	3209	

AY03197W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102426
Sample Collection Date: No Date Specified

APPL ID: AY03198
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/14/09	09/14/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/14/09	09/14/09

Sample Analysis Report

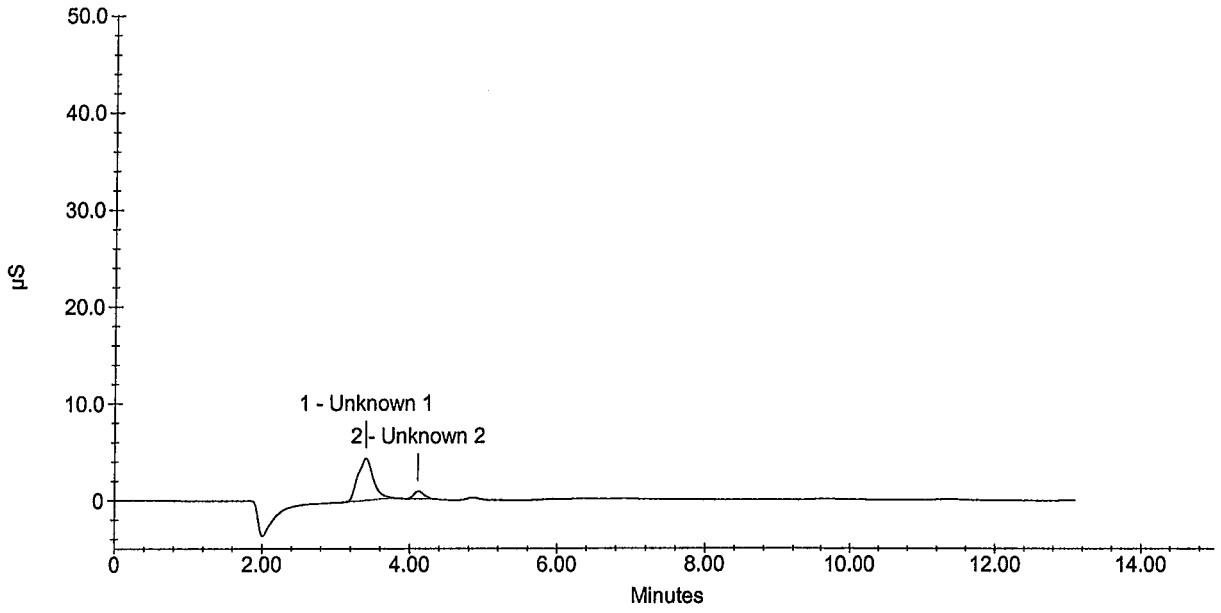
Sample Name : AY03198W01 1/5
Data File Name : i:\dionex\d1anions\data\090914a\090914a_020.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/14/09 15:52:30
System Operator : pd
Injection Number : 20
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	622318	43112	
2	4.11	Unknown 2	0.0000	71341	7557	

AY03198W01 1/5



Sample Analysis Report

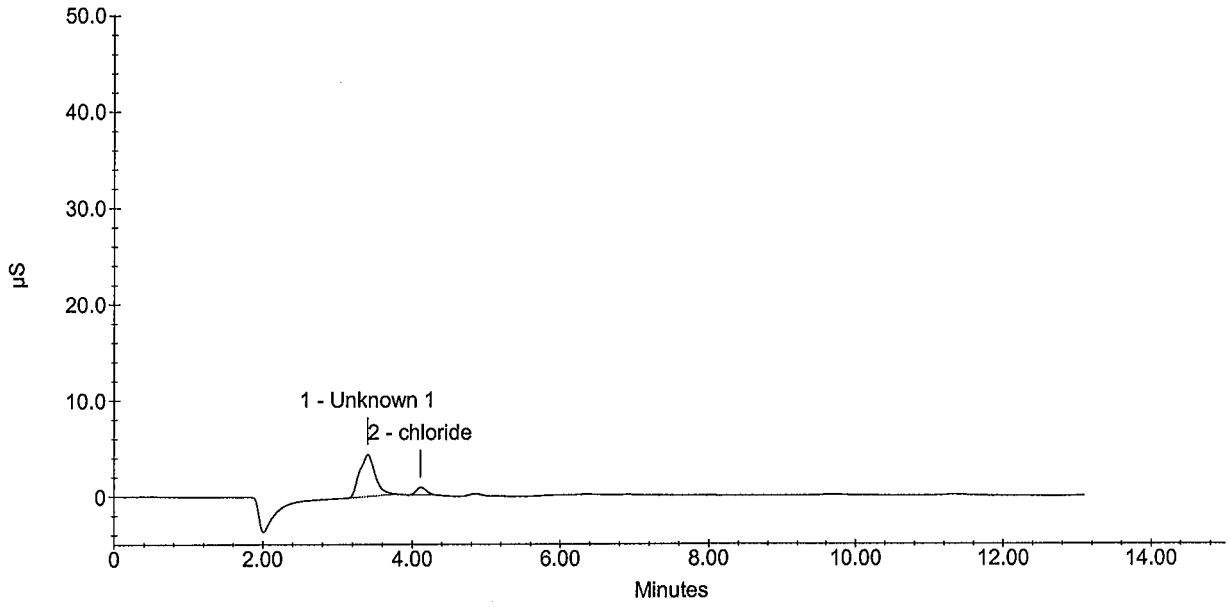
Sample Name : AY03198W01 1/5
Data File Name : i:\dionex\d1anions\data\090914a\090914a_020.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/14/09 3:52:30 PM
System Operator : pd
Injection Number : 20
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.000	622318	43112	
2	4.11	chloride	5.928	71341	7557	

AY03198W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102427

Sample Collection Date: No Date Specified

APPL ID: AY03199

ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/14/09	09/14/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/14/09	09/14/09

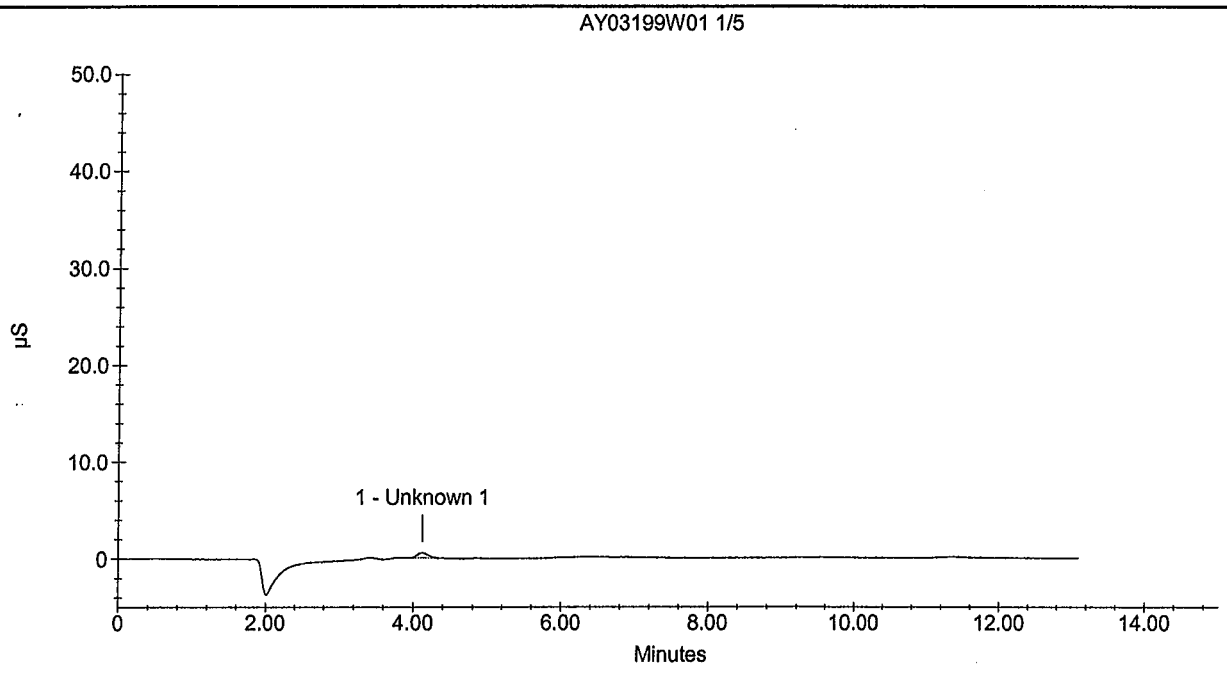
Sample Analysis Report

Sample Name : AY03199W01 1/5
Data File Name : i:\dionex\d1anions\data\090914a\090914a_021.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/14/09 16:08:11
System Operator : pd
Injection Number : 21
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.12	Unknown 1	0.0000	47784	5155	



Sample Analysis Report

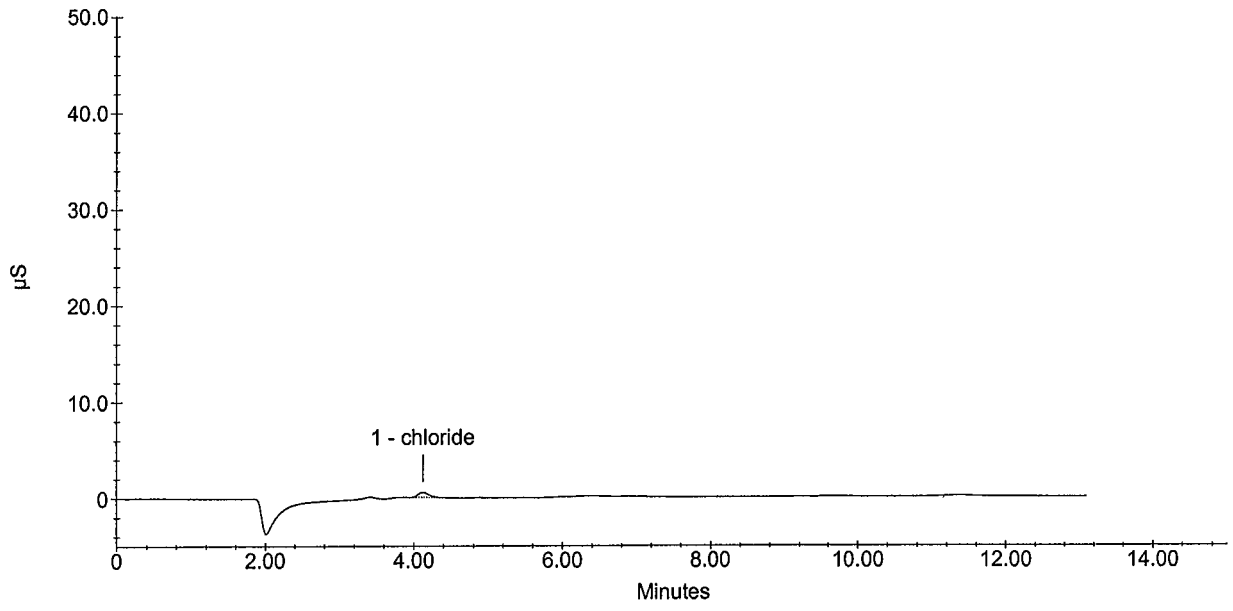
Sample Name : AY03199W01 1/5
Data File Name : i:\dionex\d1anions\data\090914a\090914a_021.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/14/09 4:08:11 PM
System Operator : pd
Injection Number : 21
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.12	chloride	5.767	47784	5155	

AY03199W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102492
Sample Collection Date: No Date Specified

APPL ID: AY03200
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/14/09	09/14/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/14/09	09/14/09

Sample Analysis Report

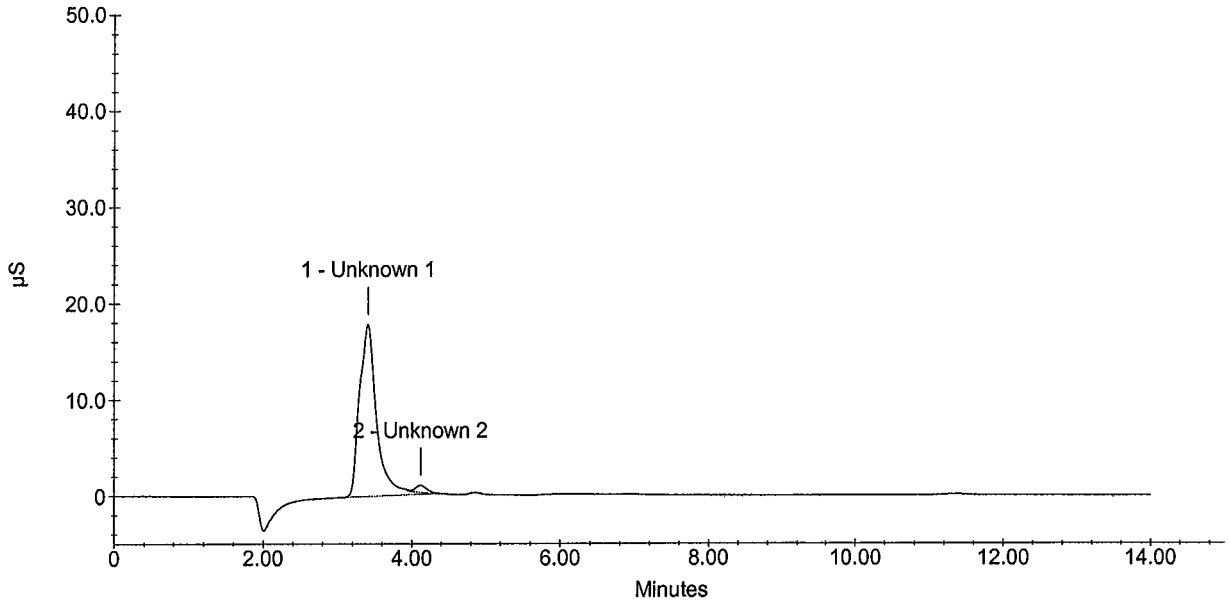
Sample Name : AY03200W01 1/5
Data File Name : i:\dionex\d1anions\data\090914a\090914a_022.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/14/09 4:23:51 PM
System Operator : pd
Injection Number : 22
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.41	Unknown 1	0.000	2848738	178006	
2	4.12	Unknown 2	0.000	80084	7633	

AY03200W01 1/5



Sample Analysis Report

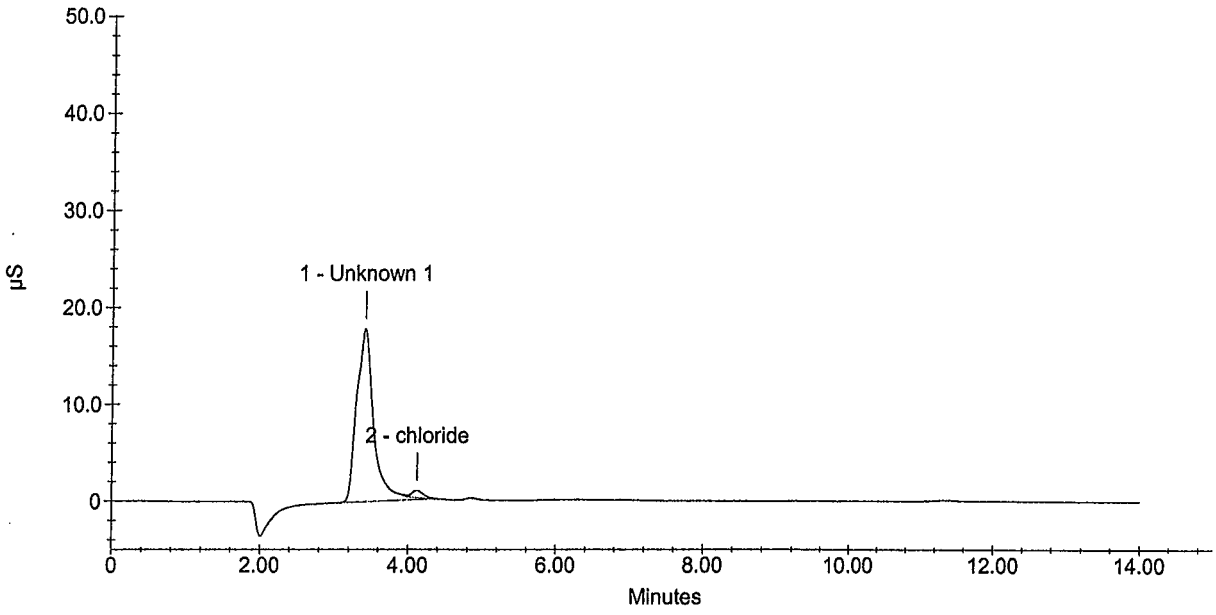
Sample Name : AY03200W01 1/5
Data File Name : i:\dionex\d1anions\data\090914a\090914a_022.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/14/09 16:23:51
System Operator : pd
Injection Number : 22
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.41	Unknown 1	0.0000	2848738	178006	
2	4.12	chloride	5.9876	80084	7633	

AY03200W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102493
Sample Collection Date: No Date Specified

APPL ID: AY03201
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/14/09	09/14/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/14/09	09/14/09

Sample Analysis Report

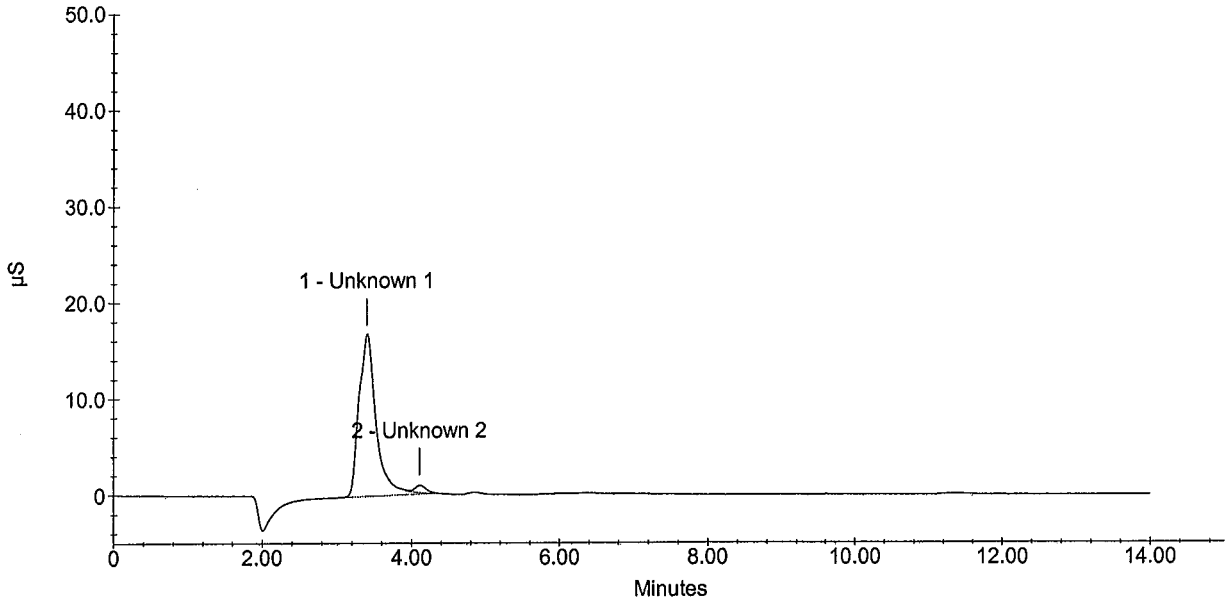
Sample Name : AY03201W01 1/5
Data File Name : i:\dionex\d1anions\data\090914a\090914a_023.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/14/09 4:40:27 PM
System Operator : pd
Injection Number : 23
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.000	2665713	166440	
2	4.11	Unknown 2	0.000	76686	7392	

AY03201W01 1/5



Sample Analysis Report

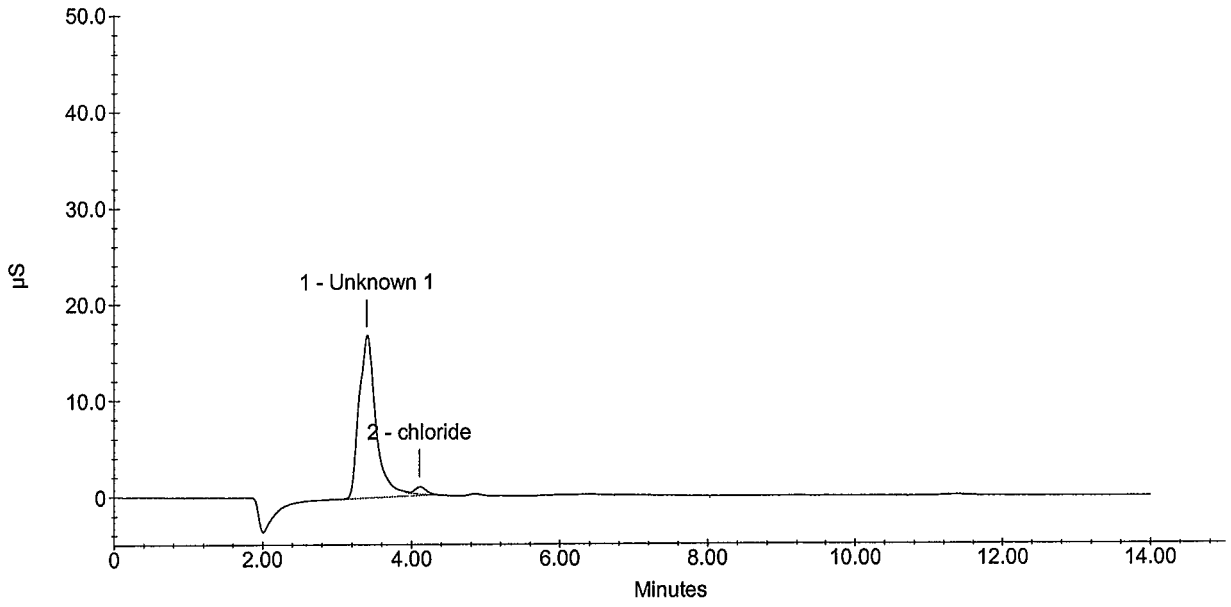
Sample Name : AY03201W01 1/5
Data File Name : i:\dionex\d1anions\data\090914a\090914a_023.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/14/09 4:40:27 PM
System Operator : pd
Injection Number : 23
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.000	2665713	166440	
2	4.11	chloride	5.964	76686	7392	

AY03201W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102494
Sample Collection Date: No Date Specified

APPL ID: AY03202
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/14/09	09/14/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/14/09	09/14/09

Sample Analysis Report

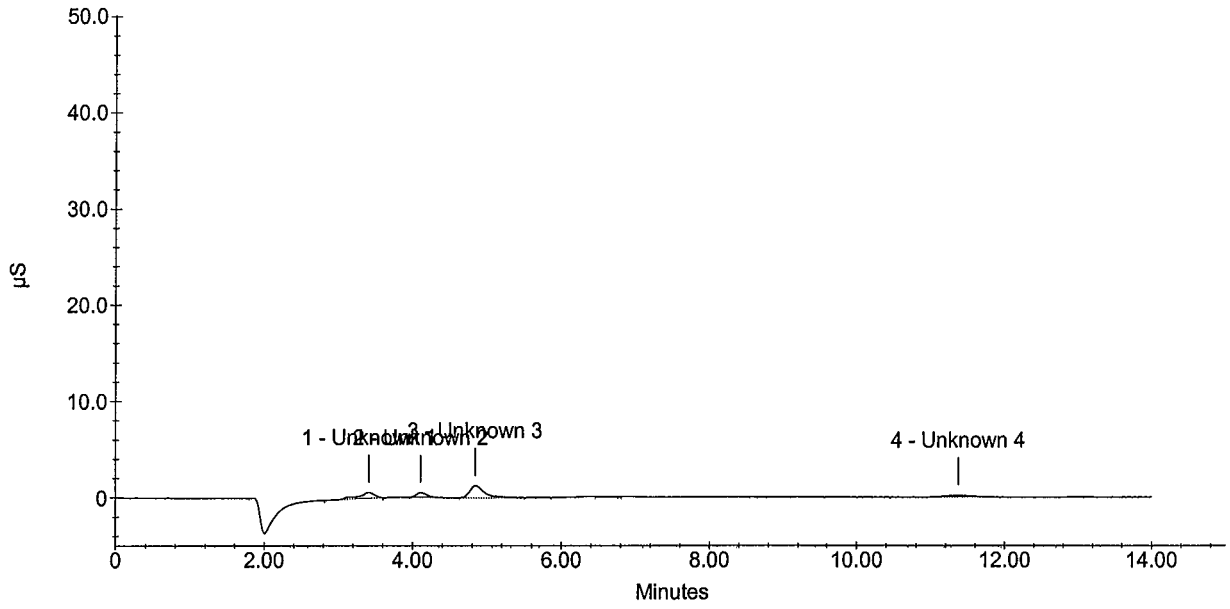
Sample Name : AY03202W01 1/5
Data File Name : i:\dionex\d1anions\data\090914a\090914a_024.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/14/09 4:57:04 PM
System Operator : pd
Injection Number : 24
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.41	Unknown 1	0.000	81787	5806	
2	4.11	Unknown 2	0.000	40526	4507	
3	4.84	Unknown 3	0.000	165601	12296	
4	11.37	Unknown 4	0.000	32059	1513	

AY03202W01 1/5



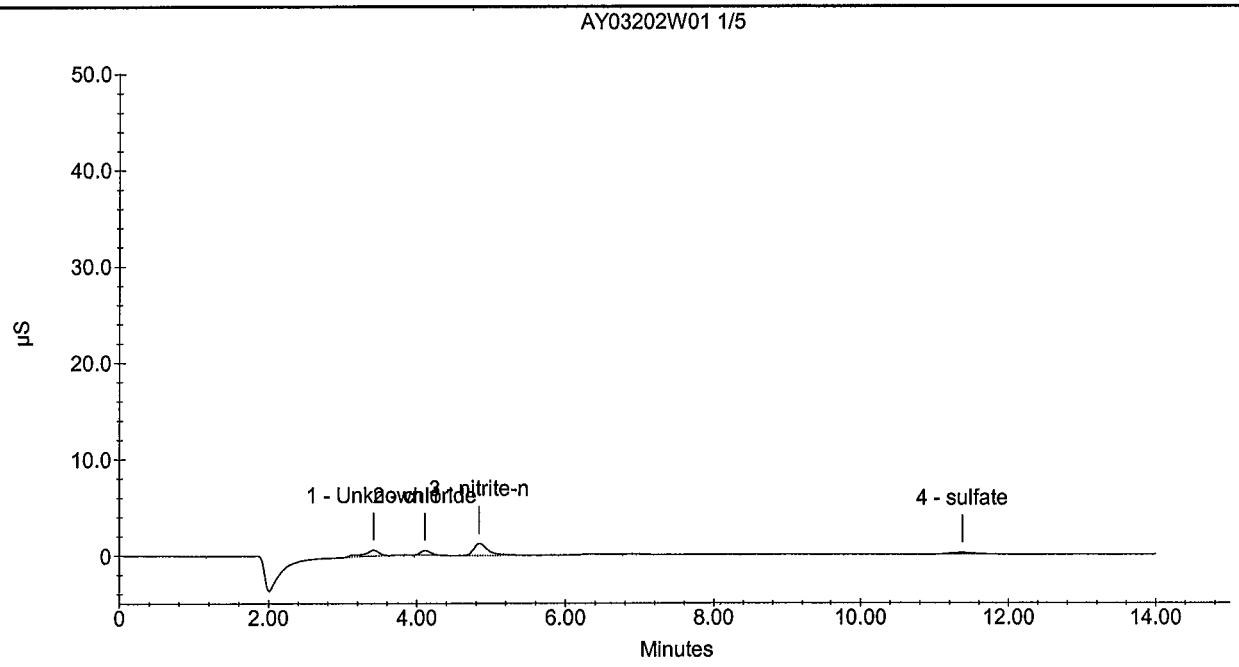
Sample Analysis Report

Sample Name : AY03202W01 1/5
Data File Name : i:\dionex\d1anions\data\090914a\090914a_024.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/14/09 4:57:04 PM
System Operator : pd
Injection Number : 24
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.41	Unknown 1	0.000	81787	5806	
2	4.11	chloride	5.717	40526	4507	
3	4.84	nitrite-n	0.969	165601	12296	
4	11.37	sulfate	3.343	32059	1513	



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102495
Sample Collection Date: No Date Specified

APPL ID: AY03203
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/15/09	09/15/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/15/09	09/15/09

Sample Analysis Report

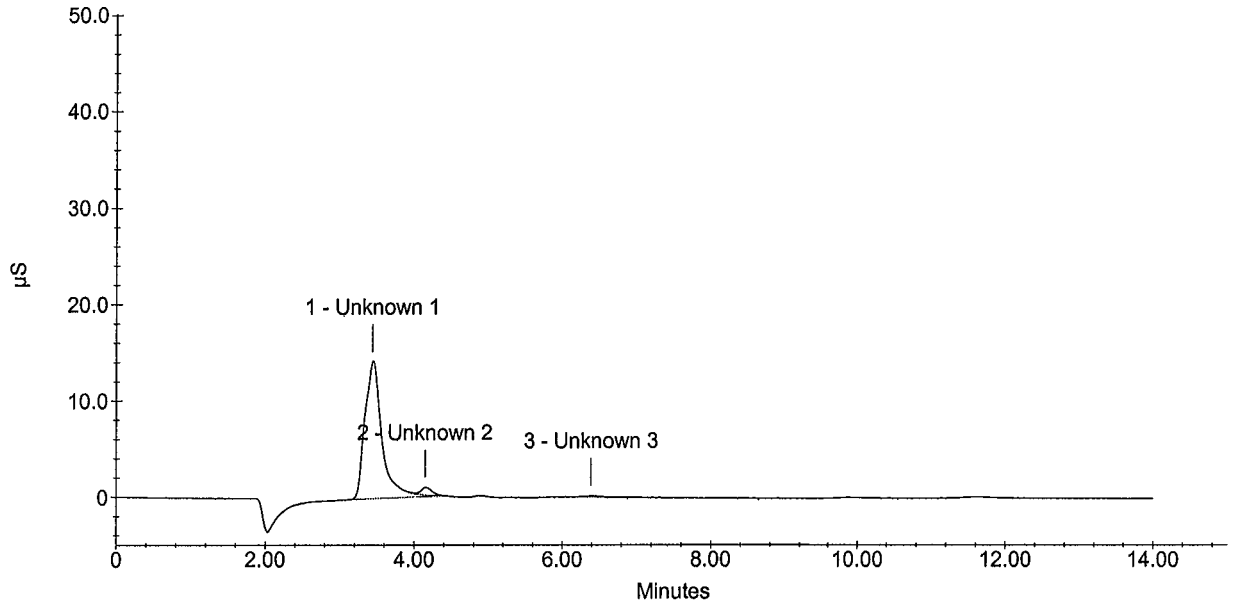
Sample Name : AY03203W01 1/5
Data File Name : i:\dionex\d1anions\data\090915a\090915A_009.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/15/09 10:38:37 AM
System Operator : pd
Injection Number : 9
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.44	Unknown 1	0.000	2266897	141420	
2	4.15	Unknown 2	0.000	81362	7784	
3	6.39	Unknown 3	0.000	15207	1115	

AY03203W01 1/5



Sample Analysis Report

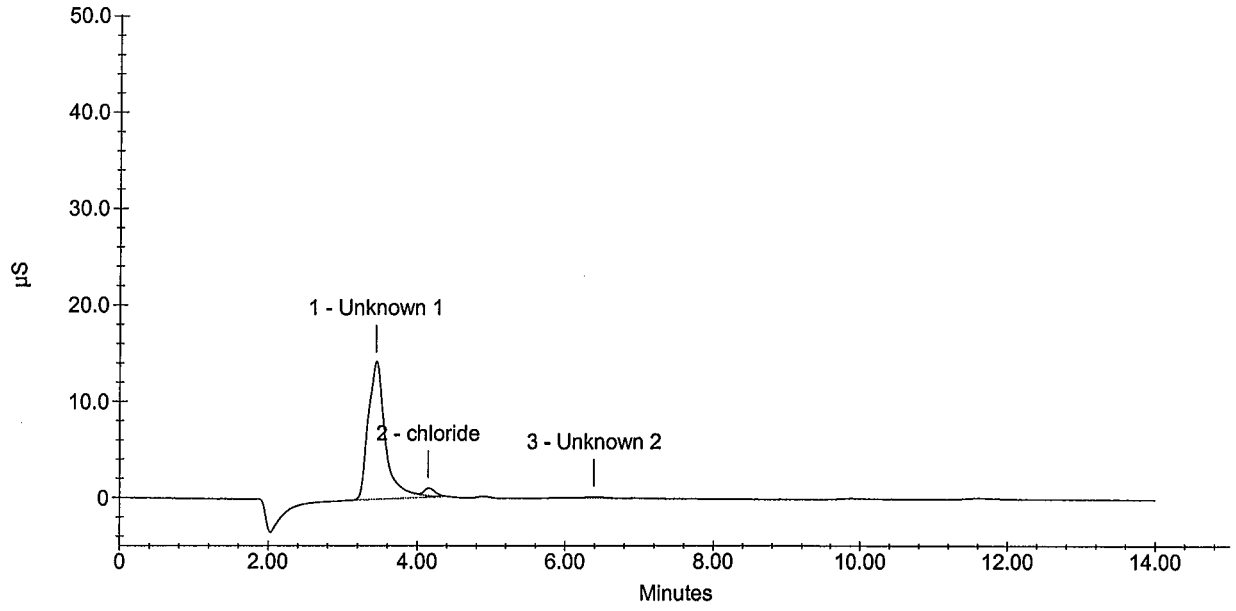
Sample Name : AY03203W01 1/5
Data File Name : i:\dionex\d1anions\data\090915a\090915A_009.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/15/09 10:38:37
System Operator : pd
Injection Number : 9
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.44	Unknown 1	0.0000	2266897	141420	
2	4.15	chloride	5.9963	81362	7784	
3	6.39	Unknown 2	0.0000	15207	1115	

AY03203W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102496
Sample Collection Date: No Date Specified

APPL ID: AY03204
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/15/09	09/15/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/15/09	09/15/09

Sample Analysis Report

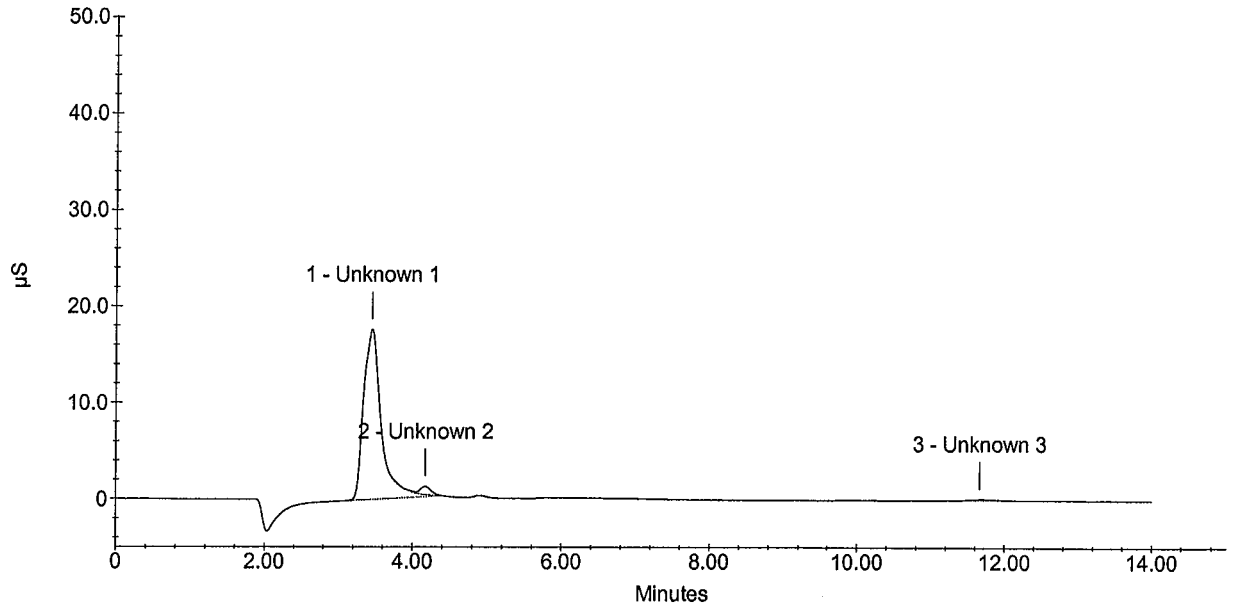
Sample Name : AY03204W01 1/5
Data File Name : i:\dionex\d1anions\data\090915a\090911a_010.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/15/09 10:55:17 AM
System Operator : pd
Injection Number : 10
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.45	Unknown 1	0.000	2919793	176138	
2	4.17	Unknown 2	0.000	87919	8791	
3	11.67	Unknown 3	0.000	15722	855	

AY03204W01 1/5



Sample Analysis Report

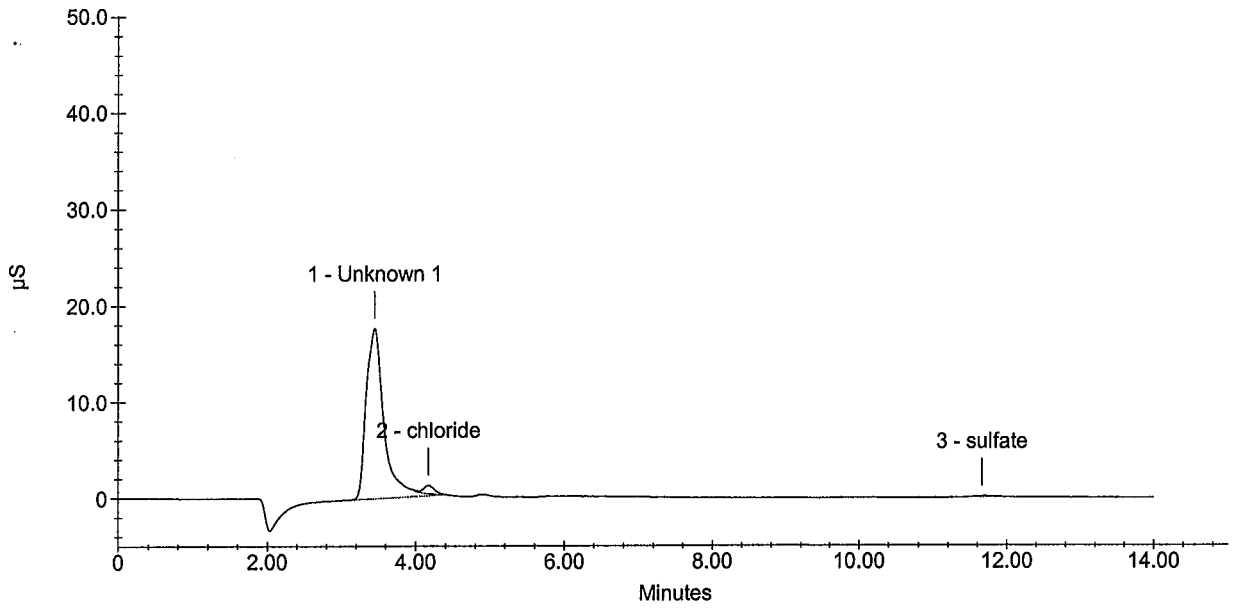
Sample Name : AY03204W01 1/5
Data File Name : i:\dionex\d1anions\data\090915a\090911a_010.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/15/09 10:55:17
System Operator : pd
Injection Number : 10
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.45	Unknown 1	0.0000	2919793	176138	
2	4.17	chloride	6.0412	87919	8791	
3	11.67	sulfate	3.1629	15722	855	

AY03204W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102402
Sample Collection Date: No Date Specified

APPL ID: AY03205
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/15/09	09/15/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/15/09	09/15/09

Sample Analysis Report

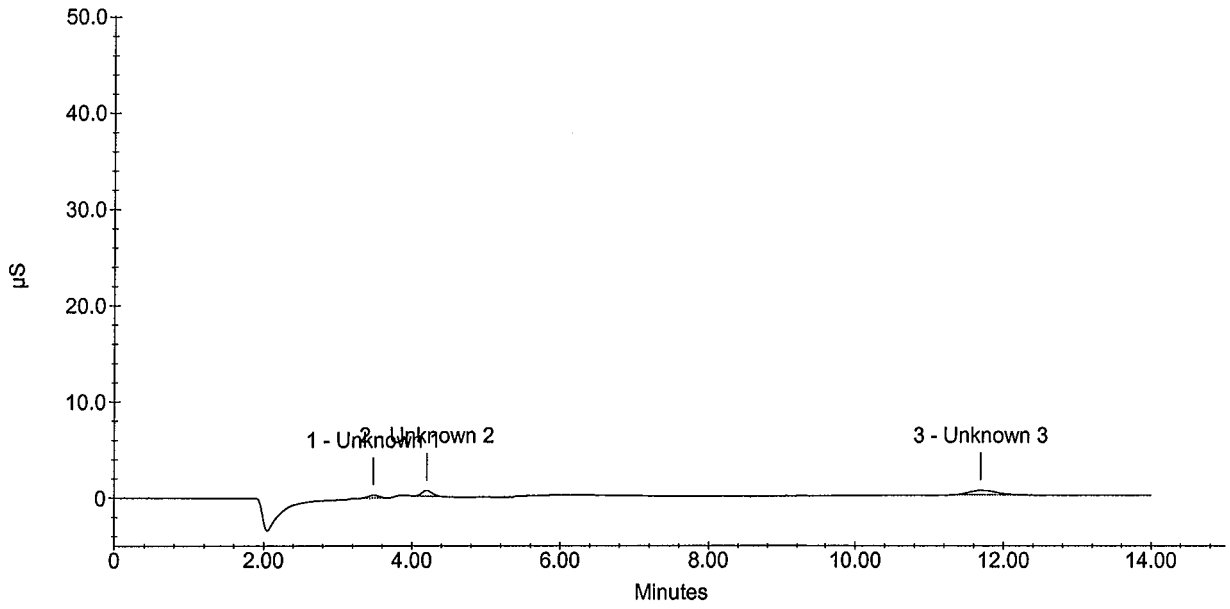
Sample Name : AY03205W01 1/5
Data File Name : i:\dionex\d1anions\data\090915a\090911a_011.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/15/09 11:11:57 AM
System Operator : pd
Injection Number : 11
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.48	Unknown 1	0.000	27761	2923	
2	4.20	Unknown 2	0.000	51795	5718	
3	11.69	Unknown 3	0.000	119646	4835	

AY03205W01 1/5



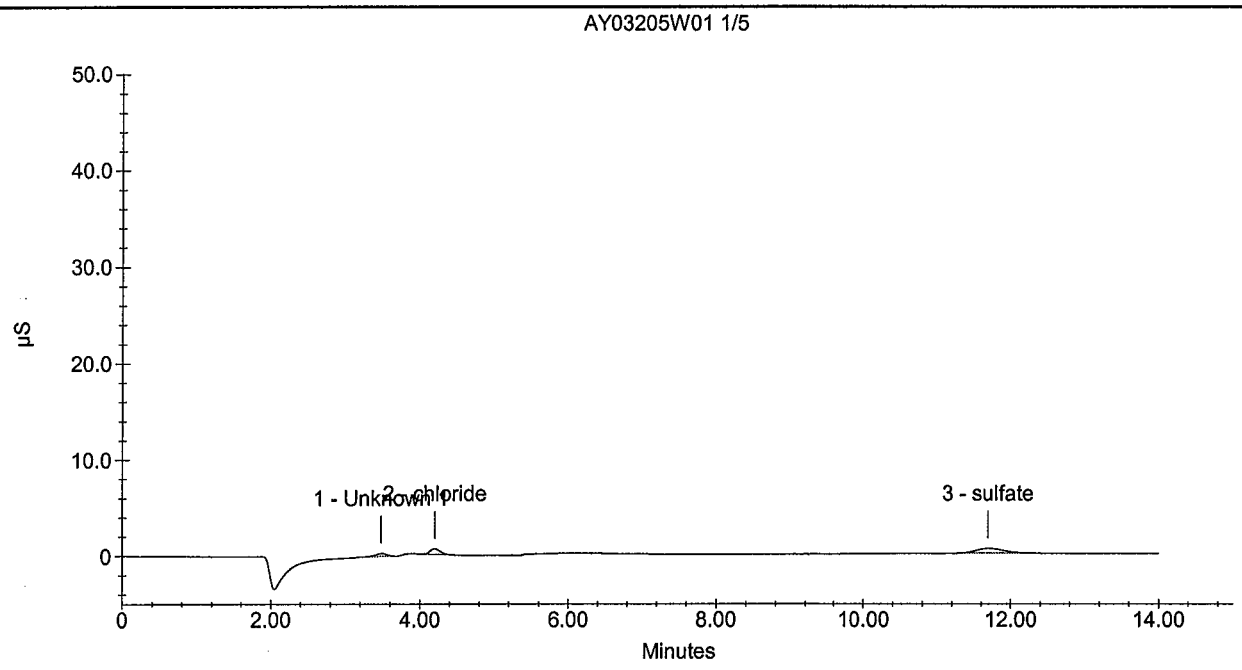
Sample Analysis Report

Sample Name : AY03205W01 1/5
Data File Name : i:\dionex\d1anions\data\090915a\090911a_011.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/15/09 11:11:57
System Operator : pd
Injection Number : 11
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.48	Unknown 1	0.0000	27761	2923	
2	4.20	chloride	5.7940	51795	5718	
3	11.69	sulfate	4.3116	119646	4835	



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102555
Sample Collection Date: No Date Specified

APPL ID: AY03206
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/15/09	09/15/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/15/09	09/15/09

Sample Analysis Report

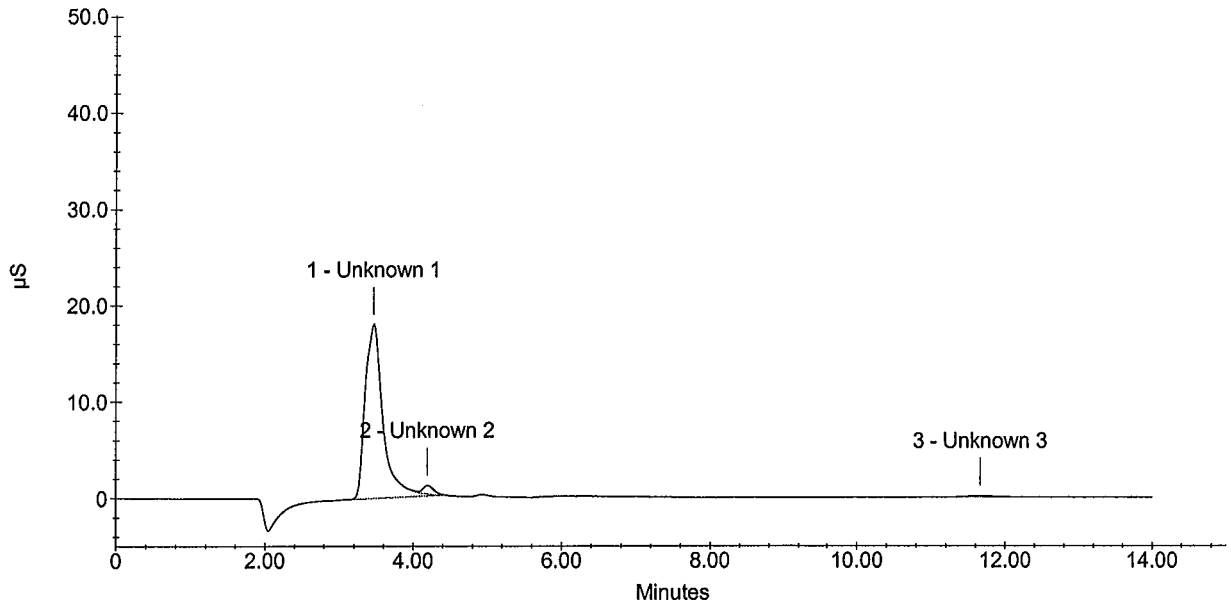
Sample Name : AY03206W01 1/5
Data File Name : i:\dionex\d1anions\data\090915a\090911a_012.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/15/09 11:28:37 AM
System Operator : pd
Injection Number : 12
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.47	Unknown 1	0.000	3015313	179754	
2	4.19	Unknown 2	0.000	90073	8743	
3	11.67	Unknown 3	0.000	21522	1018	

AY03206W01 1/5



Sample Analysis Report

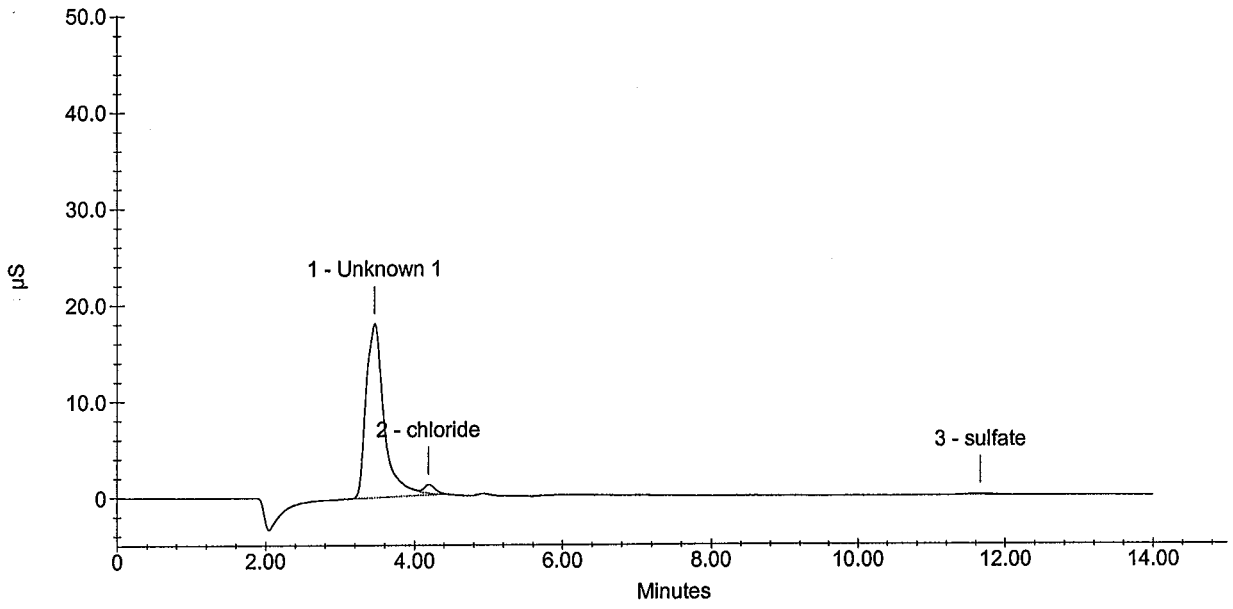
Sample Name : AY03206W01 1/5
Data File Name : i:\dionex\d1anions\data\090915a\090911a_012.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/15/09 11:28:37
System Operator : pd
Injection Number : 12
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.47	Unknown 1	0.0000	3015313	179754	
2	4.19	chloride	6.0559	90073	8743	
3	11.67	sulfate	3.2270	21522	1018	

AY03206W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102556
Sample Collection Date: No Date Specified

APPL ID: AY03207
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/15/09	09/15/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/15/09	09/15/09

Sample Analysis Report

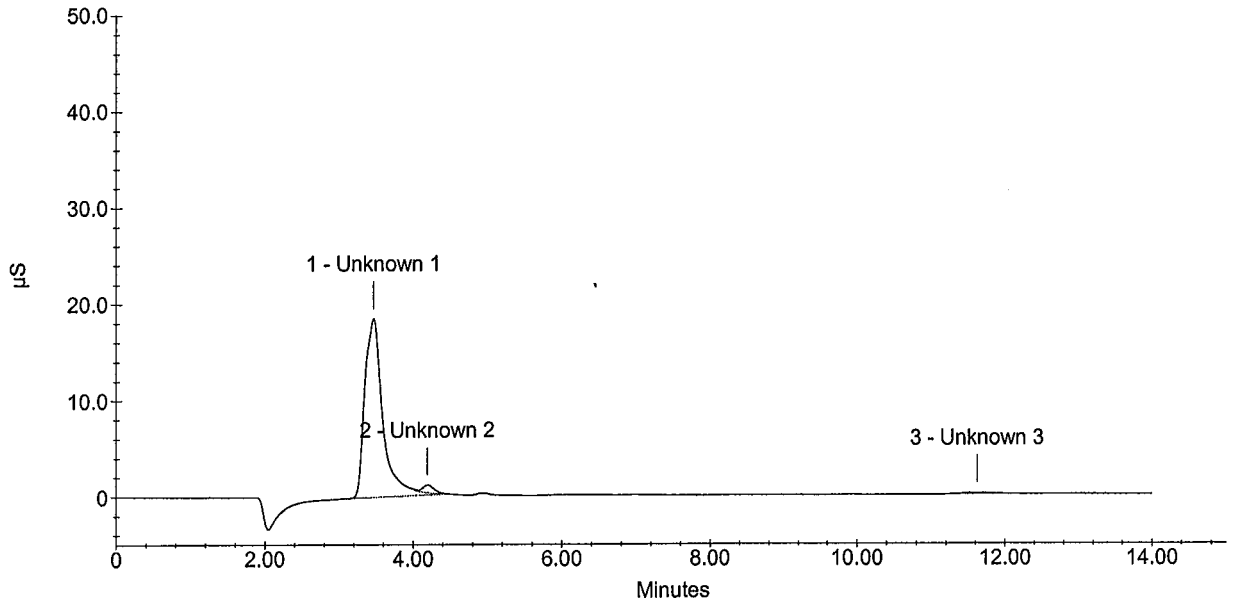
Sample Name : AY03207W01 1/5
Data File Name : i:\dionex\d1anions\data\090915a\090911a_013.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/15/09 11:45:15 AM
System Operator : pd
Injection Number : 13
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.47	Unknown 1	0.000	3118809	184561	
2	4.19	Unknown 2	0.000	86560	8066	
3	11.63	Unknown 3	0.000	23808	1072	

AY03207W01 1/5



Sample Analysis Report

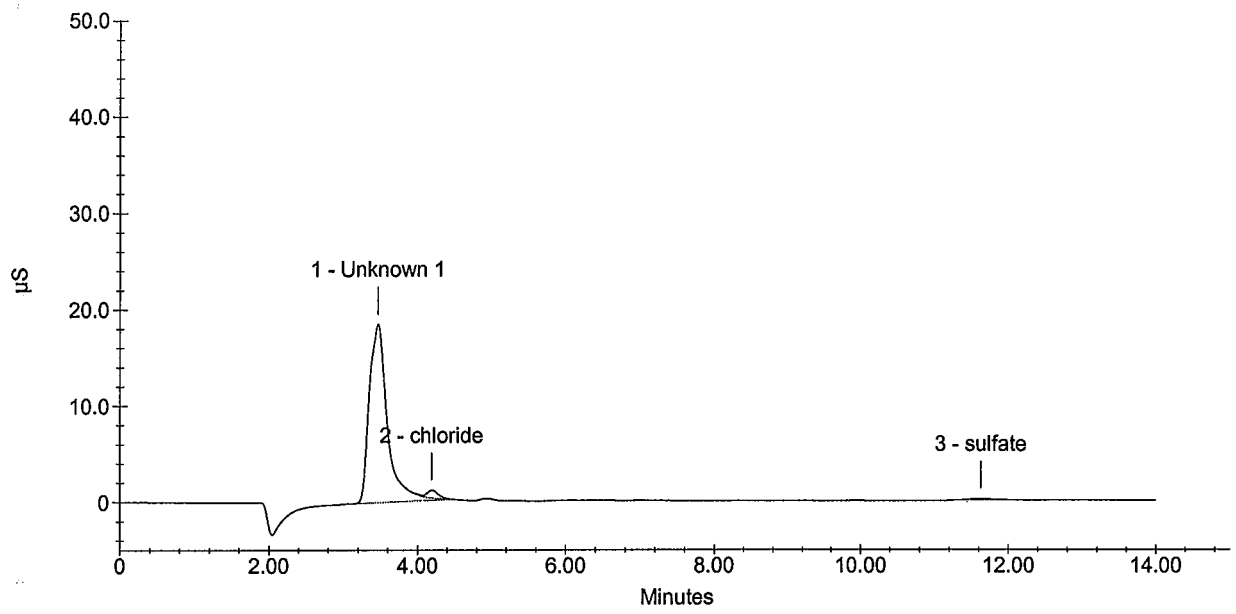
Sample Name : AY03207W01 1/5
Data File Name : i:\dionex\d1anions\data\090915a\090911a_013.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/15/09 11:45:15
System Operator : pd
Injection Number : 13
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.47	Unknown 1	0.0000	3118809	184561	
2	4.19	chloride	6.0319	86560	8066	
3	11.63	sulfate	3.2522	23808	1072	

AY03207W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102557

APPL ID: AY03208

Sample Collection Date: No Date Specified

ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/15/09	09/15/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/15/09	09/15/09

Sample Analysis Report

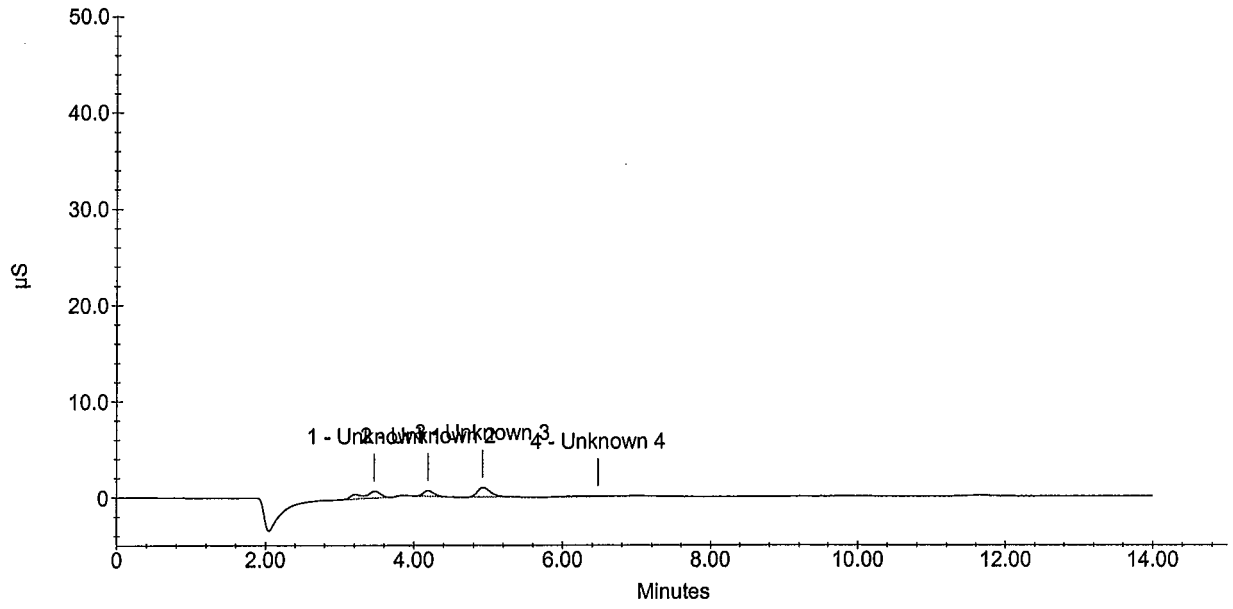
Sample Name : AY03208W01 1/5
Data File Name : i:\dionex\d1anions\data\090915a\090914a_014.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/15/09 12:01:53 PM
System Operator : pd
Injection Number : 14
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.47	Unknown 1	0.000	121584	6981	
2	4.19	Unknown 2	0.000	53421	5741	
3	4.92	Unknown 3	0.000	112926	9579	
4	6.48	Unknown 4	0.000	19708	393	

AY03208W01 1/5



Sample Analysis Report

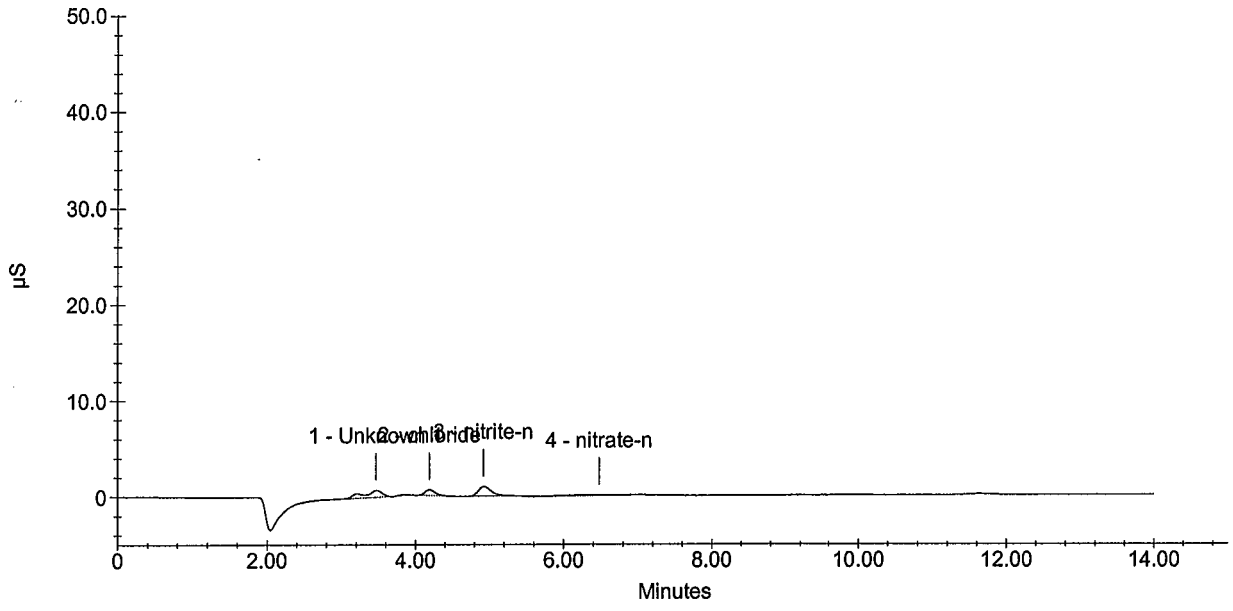
Sample Name : AY03208W01 1/5
Data File Name : i:\dionex\d1anions\data\090915a\090914a_014.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/15/09 12:01:53
System Operator : pd
Injection Number : 14
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.47	Unknown 1	0.0000	121584	6981	
2	4.19	chloride	5.8051	53421	5741	
3	4.92	nitrite-n	0.7611	112926	9579	
4	6.48	nitrate-n	0.7497	19708	393	

AY03208W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102558
Sample Collection Date: No Date Specified

APPL ID: AY03209
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/15/09	09/15/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/15/09	09/15/09

Sample Analysis Report

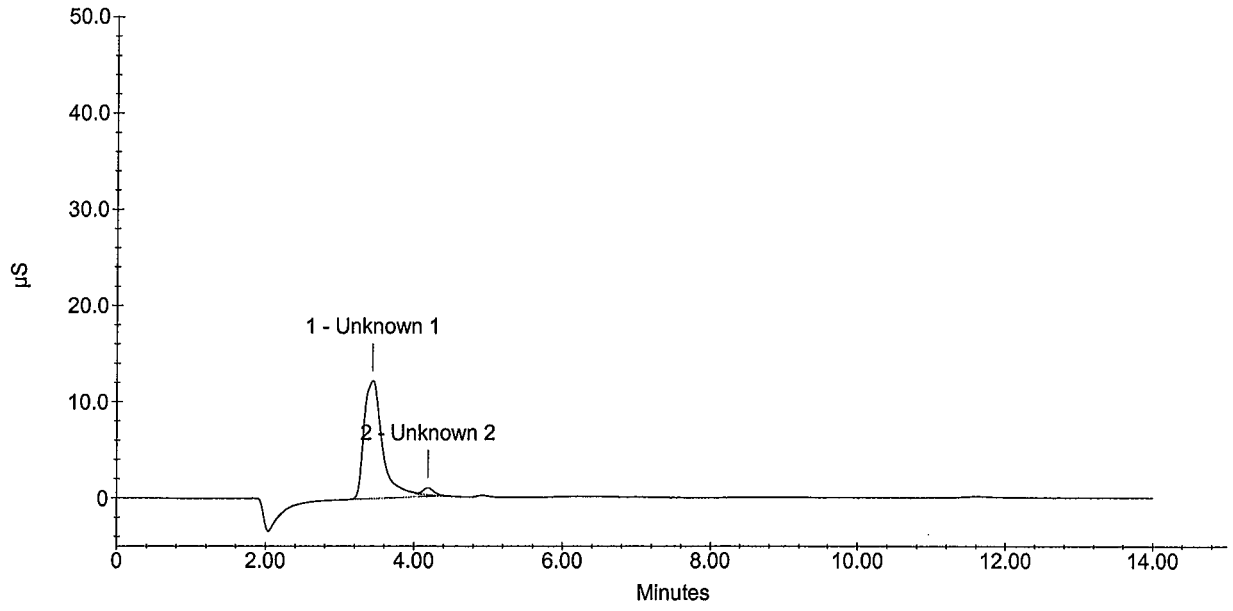
Sample Name : AY03209w01 1/5
Data File Name : i:\dionex\d1anions\data\090915a\090914a_015.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/15/09 12:18:33 PM
System Operator : pd
Injection Number : 15
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.44	Unknown 1	0.000	2119273	121689	
2	4.19	Unknown 2	0.000	74584	7415	

AY03209w01 1/5



Sample Analysis Report

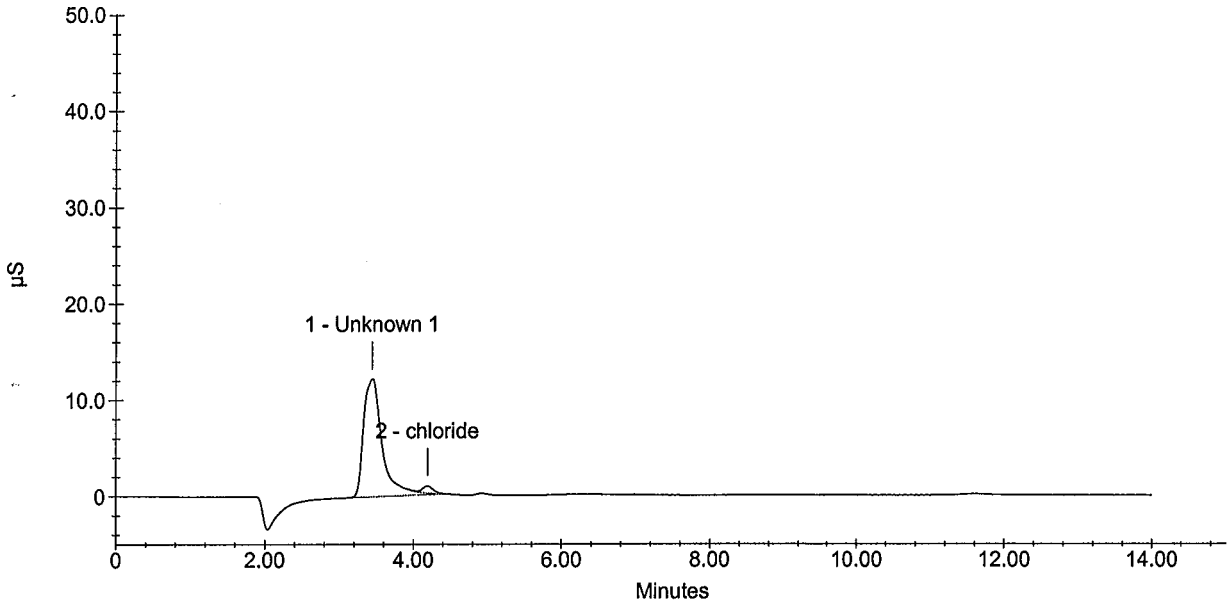
Sample Name : AY03209 W01 1/5 pd 9/21/09
Data File Name : i:\dionex\d1anions\data\090915a\090914a_015.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/15/09 12:18:33
System Operator : pd
Injection Number : 15
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.44	Unknown 1	0.0000	2119273	121689	
2	4.19	chloride	1.1900	74584	7415	

AY03209



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102559
Sample Collection Date: No Date Specified

APPL ID: AY03210
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/15/09	09/15/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/15/09	09/15/09

Sample Analysis Report

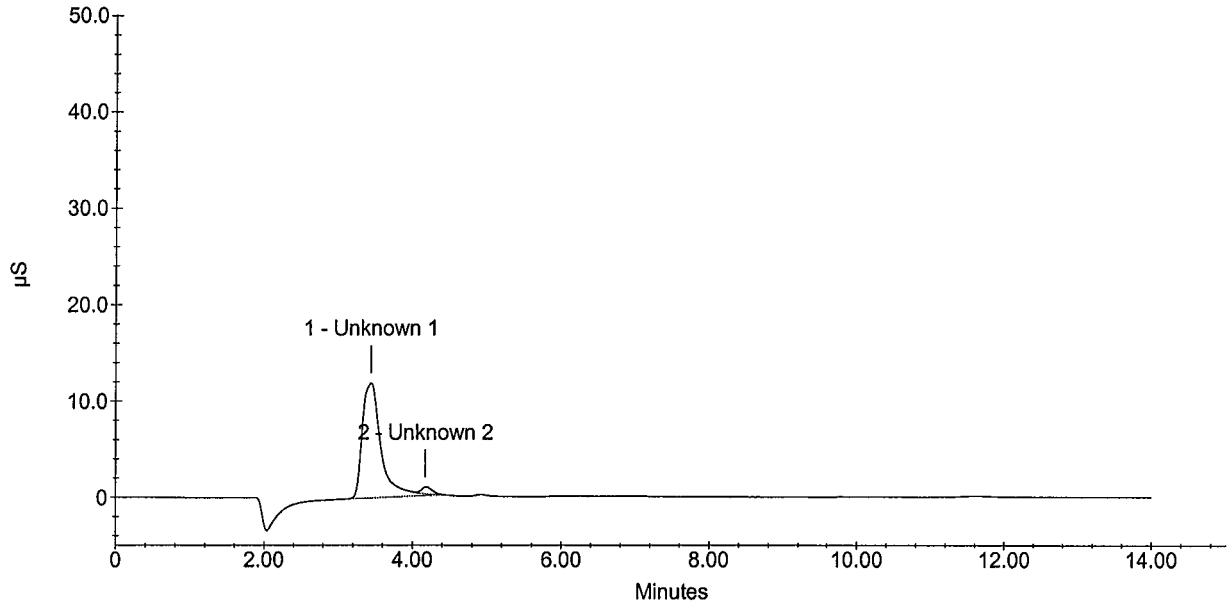
Sample Name : AY03210w01 1/5
Data File Name : i:\dionex\d1anions\data\090915a\090914a_016.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/15/09 12:35:10 PM
System Operator : pd
Injection Number : 16
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.44	Unknown 1	0.000	2071618	118826	
2	4.17	Unknown 2	0.000	73888	7162	

AY03210w01 1/5



Sample Analysis Report

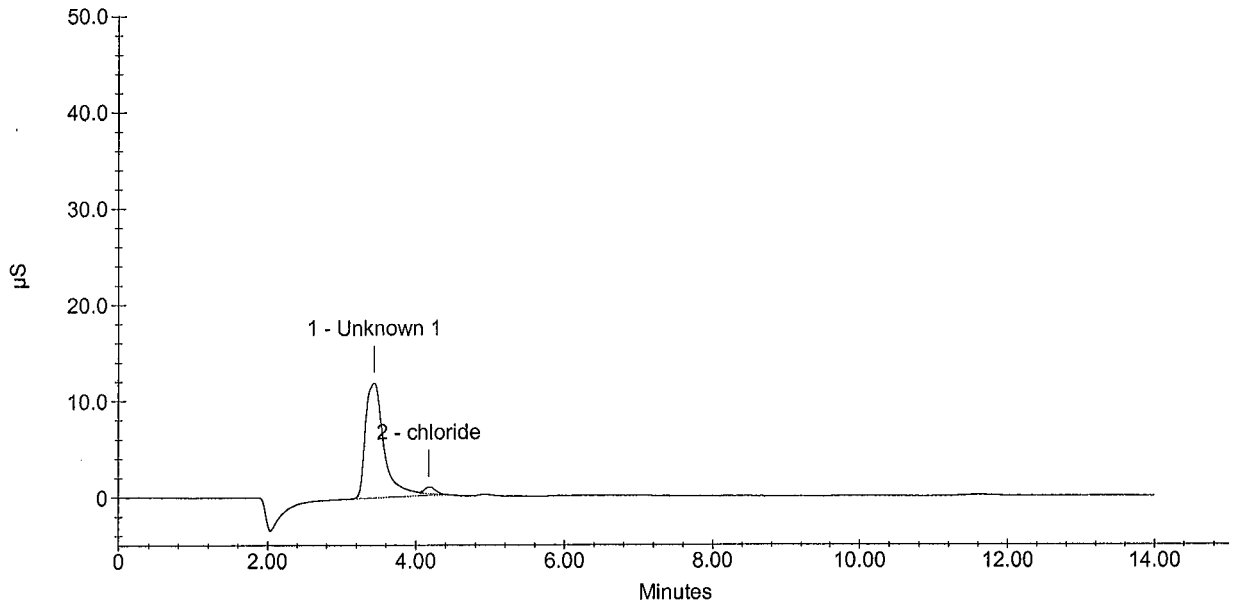
Sample Name : AY03210w01 1/5
Data File Name : i:\dionex\d1anions\data\090915a\090914a_016.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/15/09 12:35:10
System Operator : pd
Injection Number : 16
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.44	Unknown 1	0.0000	2071618	118826	
2	4.17	chloride	5.9452	73888	7162	

AY03210w01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102560
Sample Collection Date: No Date Specified

APPL ID: AY03211
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/15/09	09/15/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/15/09	09/15/09

Sample Analysis Report

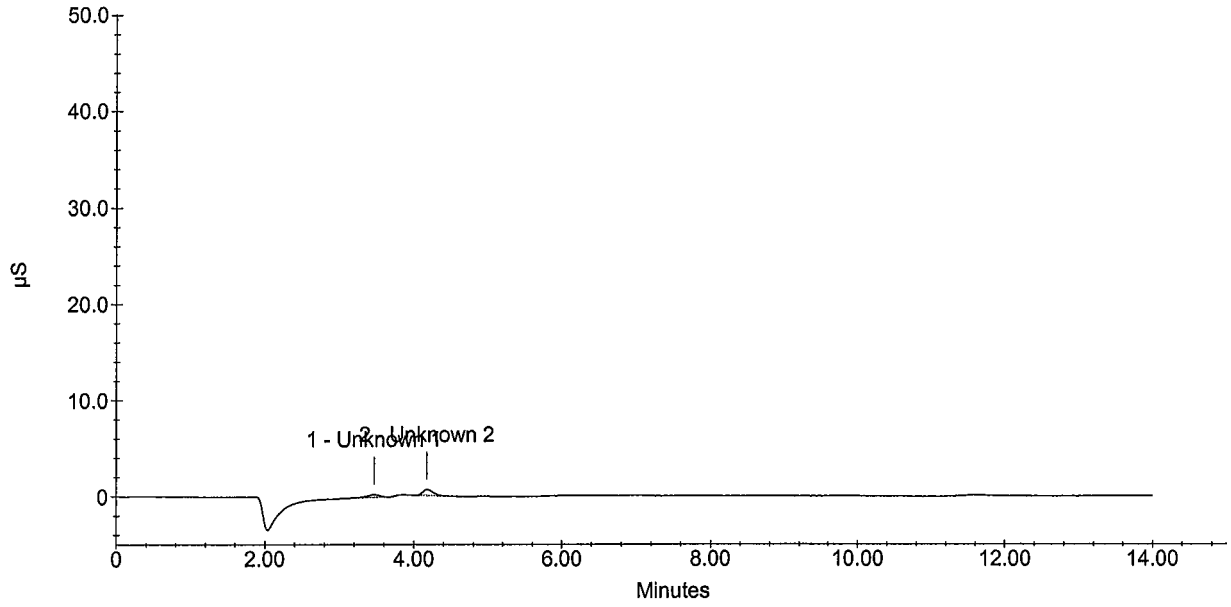
Sample Name : AY03211w01 1/5
Data File Name : i:\dionex\d1anions\data\090915a\090914a_017.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/15/09 12:51:48 PM
System Operator : pd
Injection Number : 17
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.47	Unknown 1	0.000	25524	2625	
2	4.17	Unknown 2	0.000	56889	5998	

AY03211w01 1/5



Sample Analysis Report

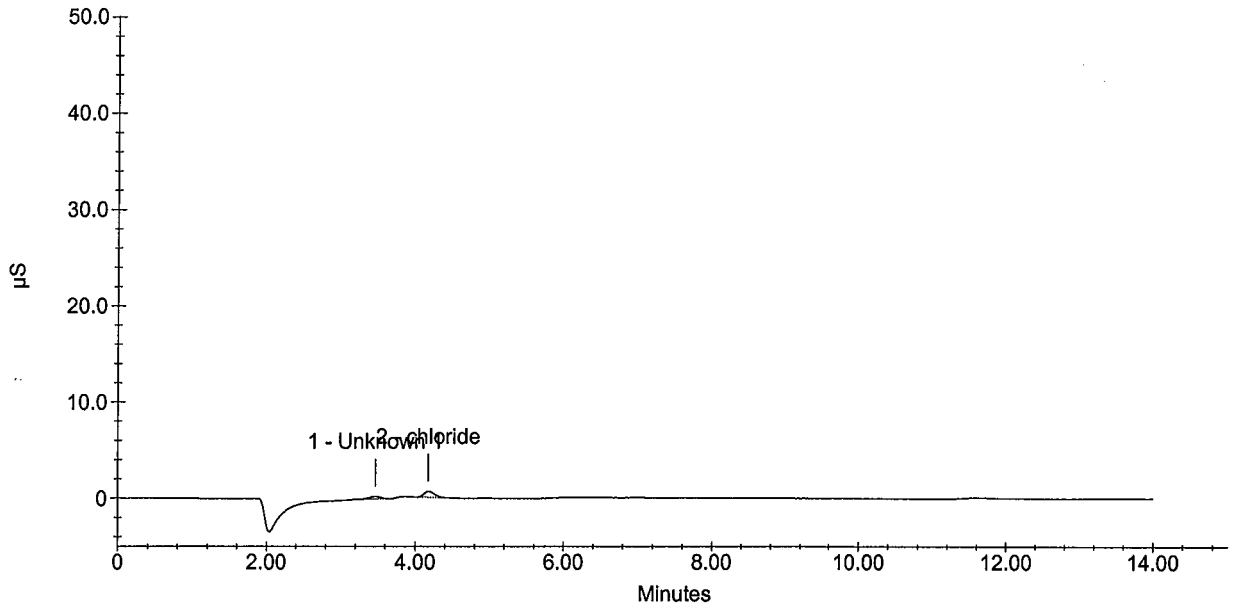
Sample Name : AY03211w01 1/5
Data File Name : i:\dionex\d1anions\data\090915a\090914a_017.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/15/09 12:51:48
System Operator : pd
Injection Number : 17
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.47	Unknown 1	0.0000	25524	2625	
2	4.17	chloride	5.8288	56889	5998	

AY03211w01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102675
Sample Collection Date: No Date Specified

APPL ID: AY03212
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/15/09	09/15/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/15/09	09/15/09

Sample Analysis Report

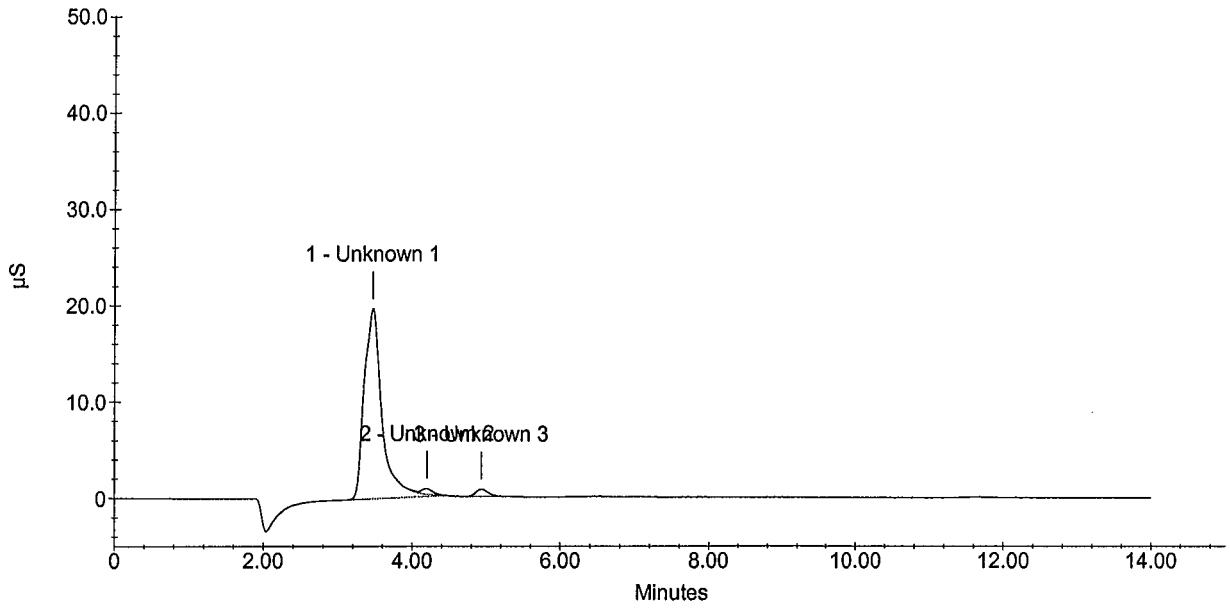
Sample Name : AY03212w01 1/5
Data File Name : i:\dionex\d1anions\data\090915a\090914a_018.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/15/09 1:08:41 PM
System Operator : pd
Injection Number : 18
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.47	Unknown 1	0.000	3268952	196435	
2	4.20	Unknown 2	0.000	64499	6098	
3	4.93	Unknown 3	0.000	82600	7233	

AY03212w01 1/5



Sample Analysis Report

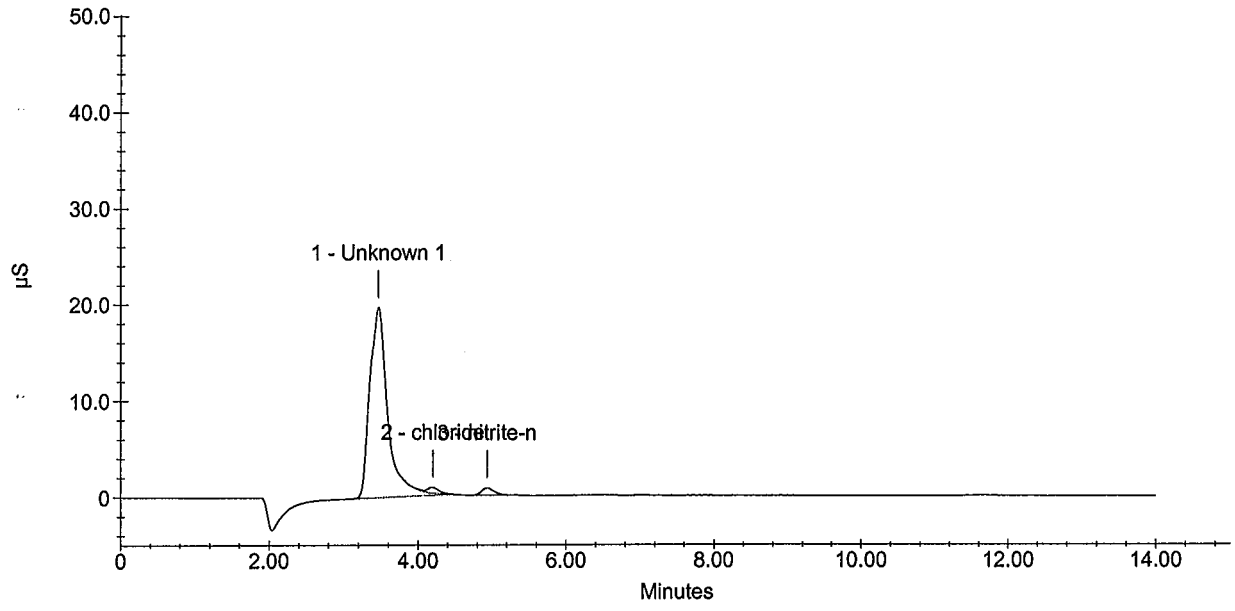
Sample Name : AY03212w01 1/5
Data File Name : i:\dionex\d1anions\data\090915a\090914a_018.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/15/09 13:08:41
System Operator : pd
Injection Number : 18
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.47	Unknown 1	0.0000	3268952	196435	
2	4.20	chloride	5.8809	64499	6098	
3	4.93	nitrite-n	0.6412	82600	7233	

AY03212w01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102676

Sample Collection Date: No Date Specified

APPL ID: AY03213

ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/15/09	09/15/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/15/09	09/15/09

Sample Analysis Report

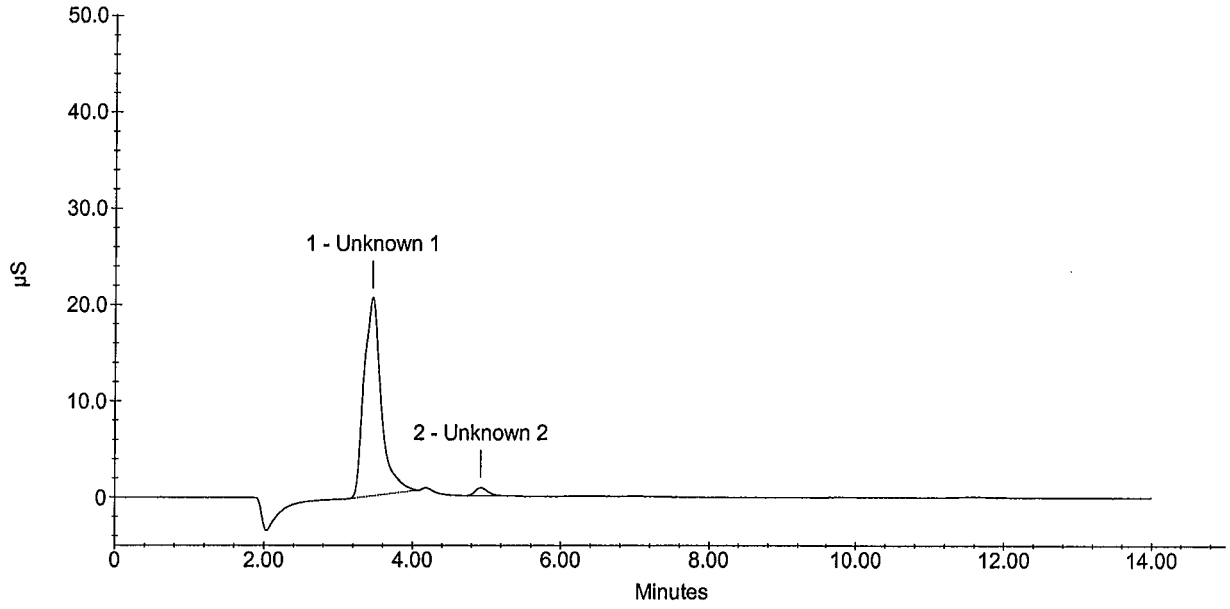
Sample Name : AY03213w01 1/5
Data File Name : i:\dionex\d1anions\data\090915a\090914a_022.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/15/09 2:24:47 PM
System Operator : pd
Injection Number : 22
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.45	Unknown 1	0.000	3287402	204459	
2	4.92	Unknown 2	0.000	91115	8007	

AY03213w01 1/5



APPL, Inc.

Current Date : 9/22/09
Current Time : 8:43:36 AM

Sample Analysis Report

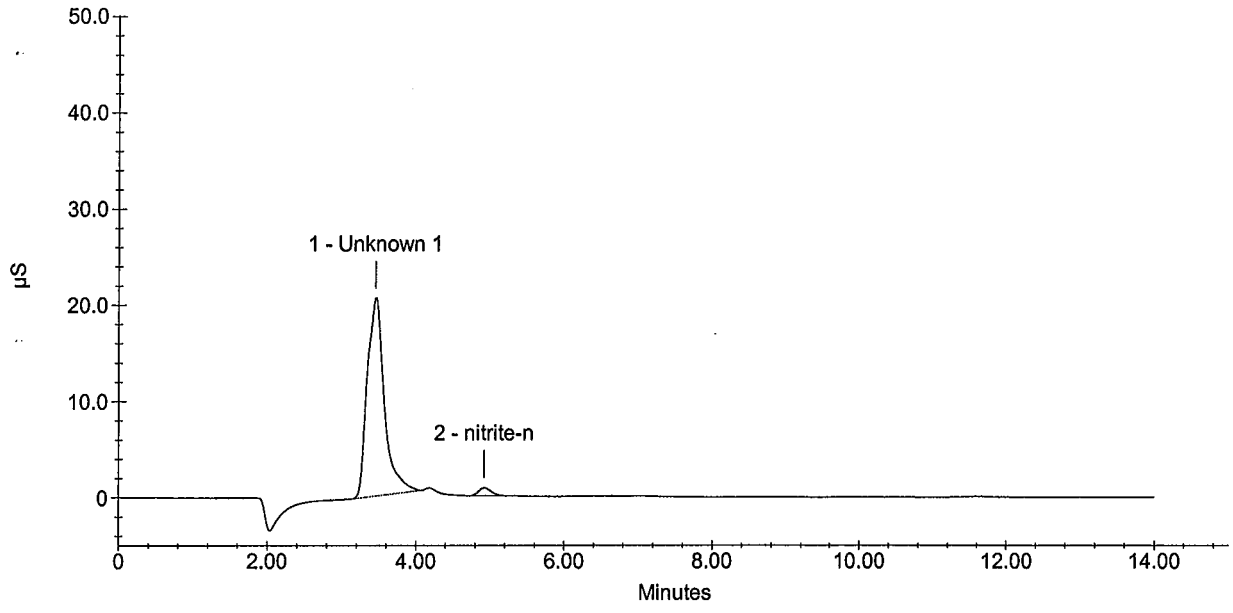
Sample Name : AY03213w01 1/5
Data File Name : i:\dionex\d1anions\data\090915a\090914a_022.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/15/09 14:24:47
System Operator : pd
Injection Number : 22
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.45	Unknown 1	0.0000	3287402	204459	
2	4.92	nitrite-n	0.6749	91115	8007	

AY03213w01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102677
Sample Collection Date: No Date Specified

APPL ID: AY03214
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/15/09	09/15/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/15/09	09/15/09

Sample Analysis Report

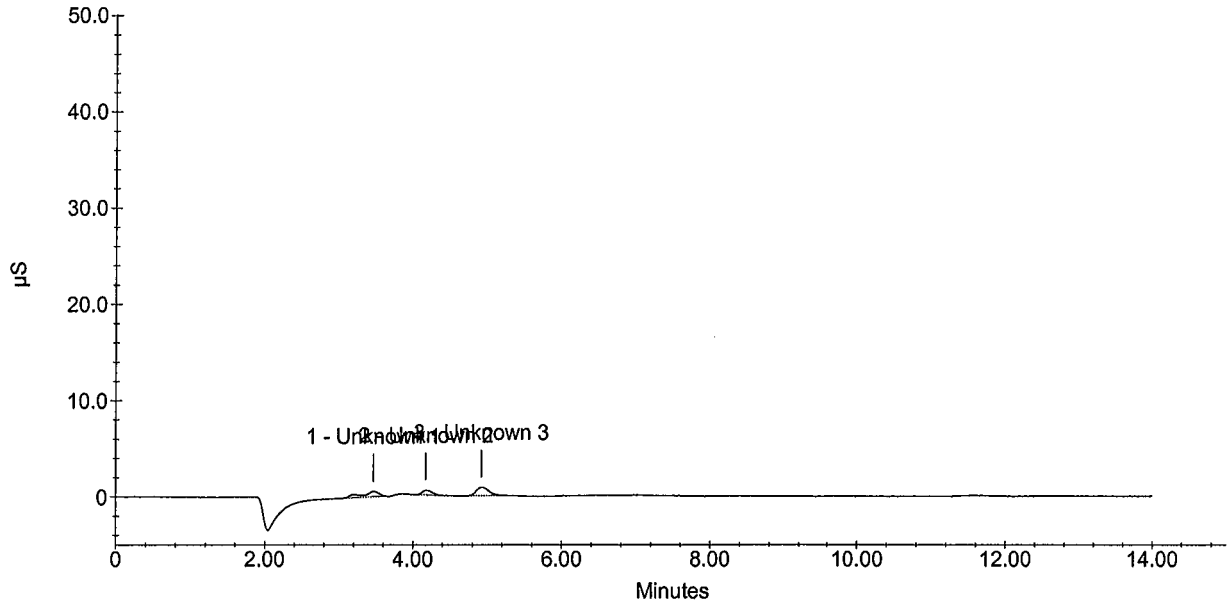
Sample Name : AY03214w01 1/5
Data File Name : i:\dionex\d1anions\data\090915a\090914a_023.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/15/09 2:41:24 PM
System Operator : pd
Injection Number : 23
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.47	Unknown 1	0.000	87480	5513	
2	4.17	Unknown 2	0.000	43668	4581	
3	4.92	Unknown 3	0.000	98704	8518	

AY03214w01 1/5



Sample Analysis Report

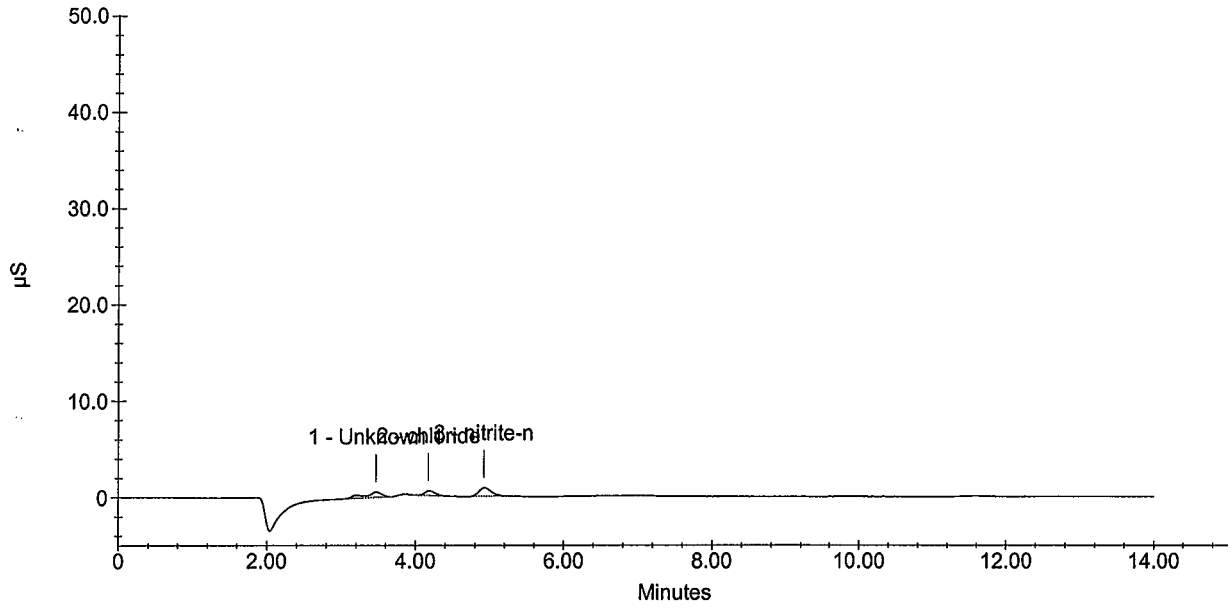
Sample Name : AY03214w01 1/5
Data File Name : i:\dionex\d1anions\data\090915a\090914a_023.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/15/09 14:41:24
System Operator : pd
Injection Number : 23
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.47	Unknown 1	0.0000	87480	5513	
2	4.17	chloride	5.7383	43668	4581	
3	4.92	nitrite-n	0.7049	98704	8518	

AY03214w01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102678
Sample Collection Date: No Date Specified

APPL ID: AY03215
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/15/09	09/15/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/15/09	09/15/09

Sample Analysis Report

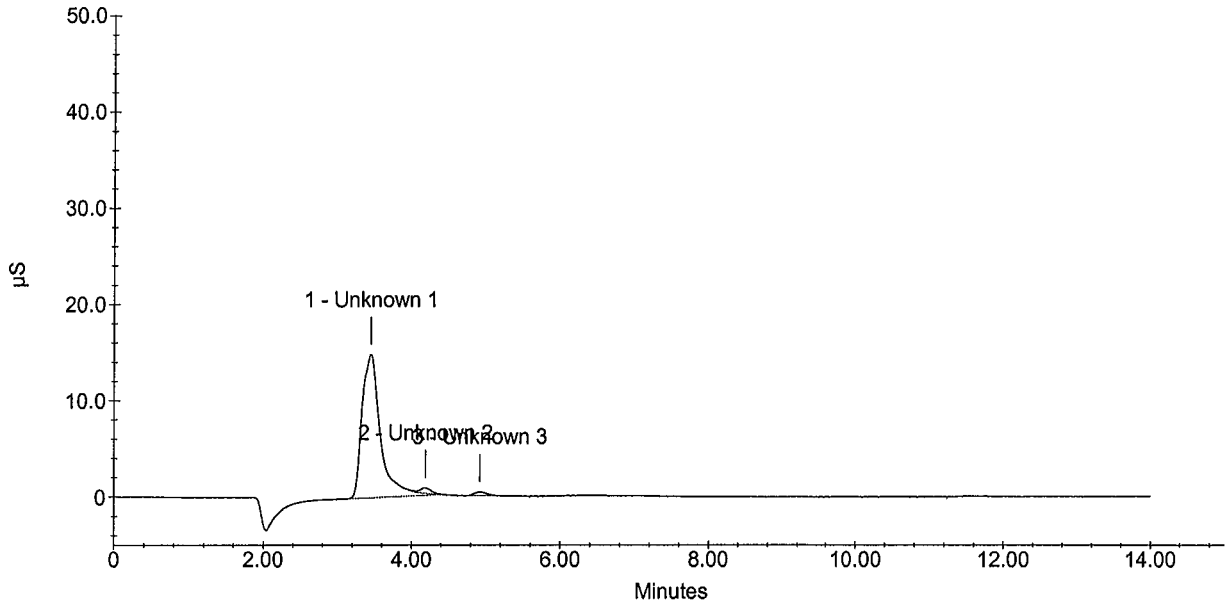
Sample Name : AY03215w01 1/5
Data File Name : i:\dionex\d1anions\data\090915a\090914a_024.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/15/09 2:58:01 PM
System Operator : pd
Injection Number : 24
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.45	Unknown 1	0.000	2553883	148204	
2	4.19	Unknown 2	0.000	59451	5902	
3	4.92	Unknown 3	0.000	40144	3691	

AY03215w01 1/5



Sample Analysis Report

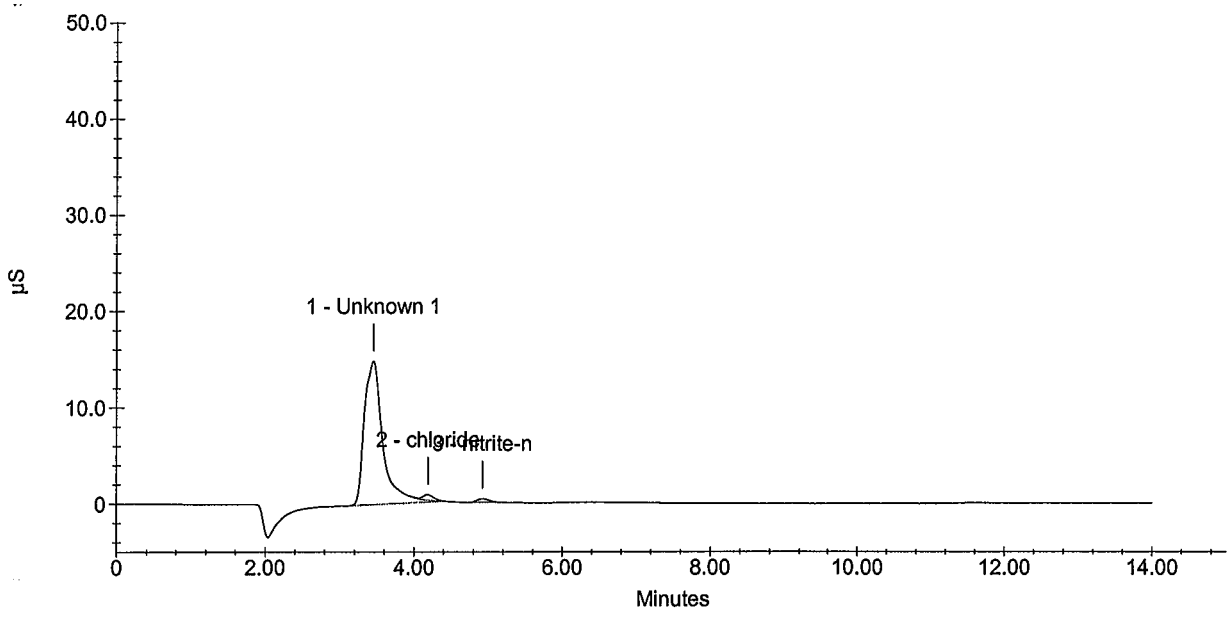
Sample Name : AY03215w01 1/5
Data File Name : i:\dionex\d1anions\data\090915a\090914a_024.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/15/09 14:58:01
System Operator : pd
Injection Number : 24
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.45	Unknown 1	0.0000	2553883	148204	
2	4.19	chloride	5.8464	59451	5902	
3	4.92	nitrite-n	0.4733	40144	3691	

AY03215w01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102679

APPL ID: AY03216

Sample Collection Date: No Date Specified

ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/15/09	09/15/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/15/09	09/15/09

Sample Analysis Report

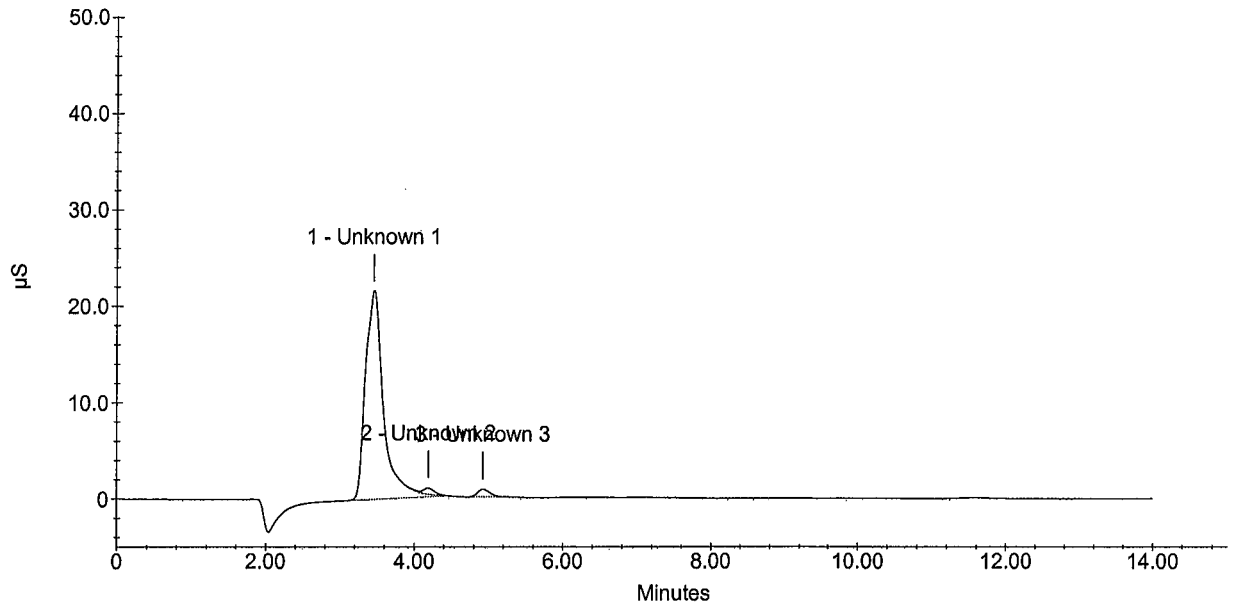
Sample Name : AY03216W01 1/5
Data File Name : i:\dionex\d1anions\data\090915a\090914a_025.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/15/09 3:14:43 PM
System Operator : pd
Injection Number : 25
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.45	Unknown 1	0.000	3639399	214589	
2	4.19	Unknown 2	0.000	69642	6585	
3	4.92	Unknown 3	0.000	89007	7829	

AY03216W01 1/5



Sample Analysis Report

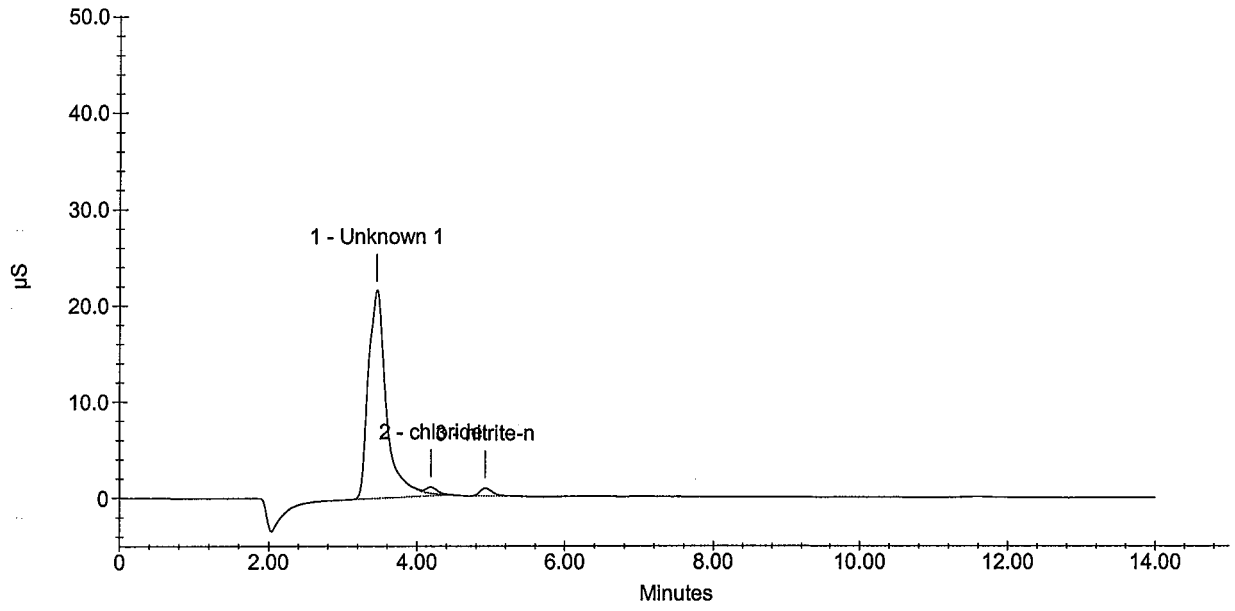
Sample Name : AY03216 W01 1/5 ro 09/17/09
Data File Name : i:\dionex\d1anions\data\090915a\090914a_025.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/15/09 15:14:43
System Operator : pd
Injection Number : 25
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.45	Unknown 1	0.0000	3639399	214589	
2	4.19	chloride	5.9161	69642	6585	
3	4.92	nitrite-n	0.6665	89007	7829	

AY03216



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102680
Sample Collection Date: No Date Specified

APPL ID: AY03217
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/15/09	09/15/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/15/09	09/15/09

Sample Analysis Report

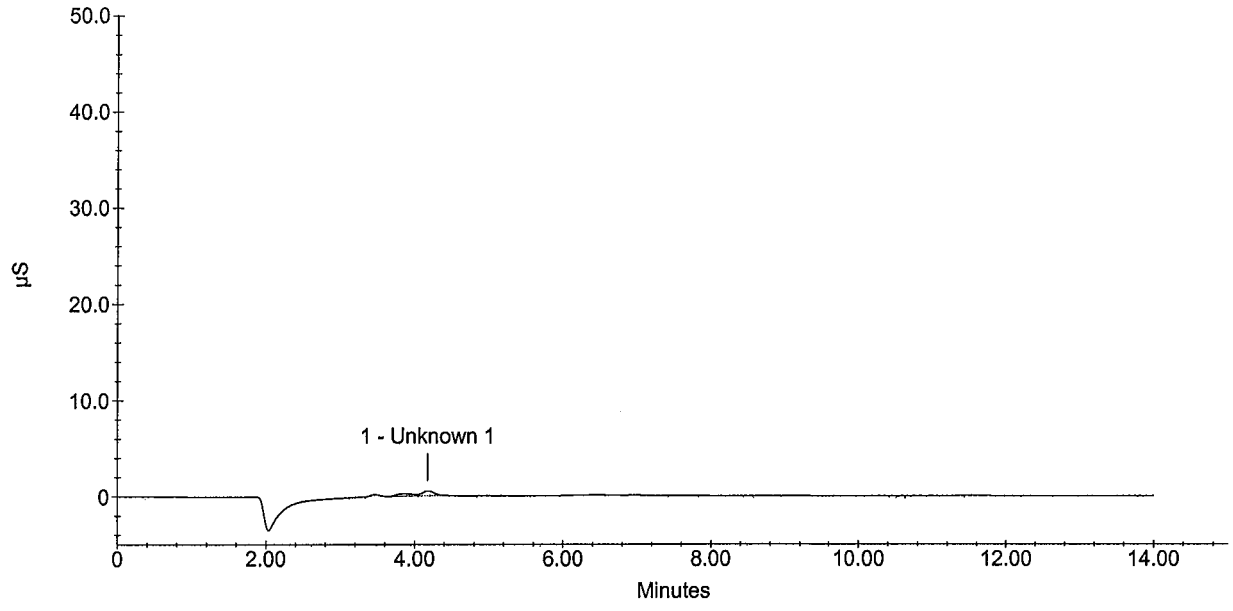
Sample Name : AY03217W01 1/5
Data File Name : i:\dionex\d1anions\data\090915a\090914a_026.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/15/09 3:31:18 PM
System Operator : pd
Injection Number : 26
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.17	Unknown 1	0.000	89148	4796	

AY03217W01 1/5



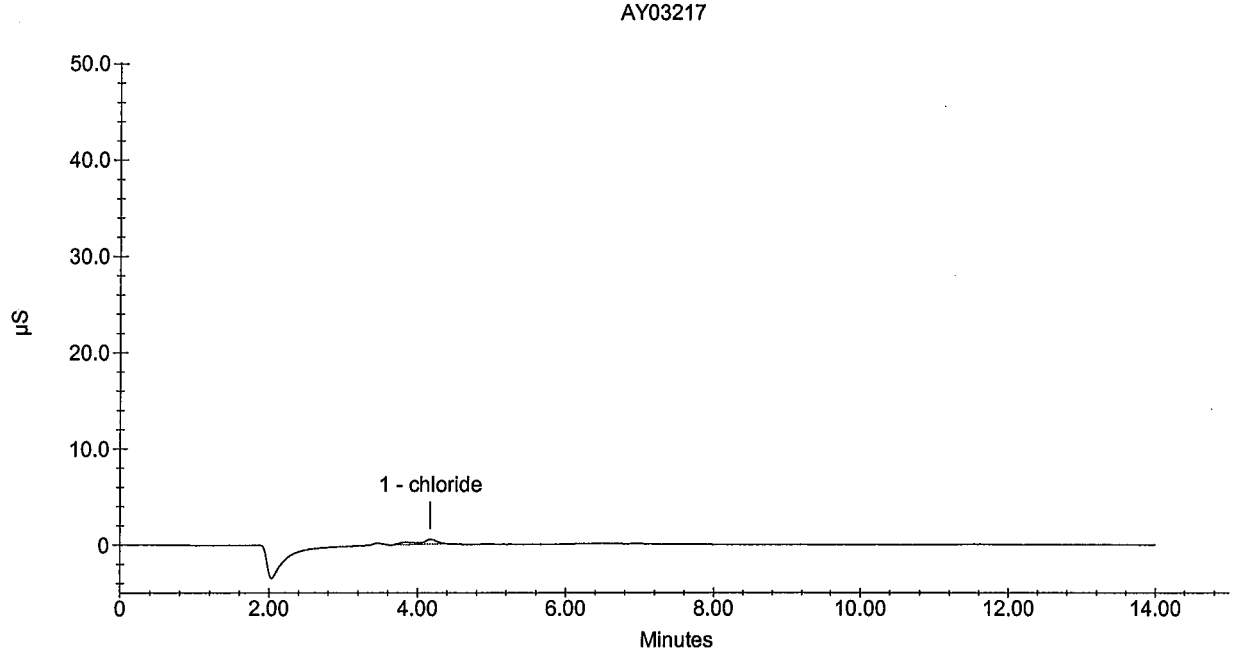
Sample Analysis Report

Sample Name : AY03217 W01 1/5 PO 09/17/09
Data File Name : i:\dionex\d1anions\data\090915a\090914a_026.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/15/09 15:31:18
System Operator : pd
Injection Number : 26
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.17	chloride	6.0496	89148	4796	



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102109
Sample Collection Date: No Date Specified

APPL ID: AY03218
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/15/09	09/15/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/15/09	09/15/09

Sample Analysis Report

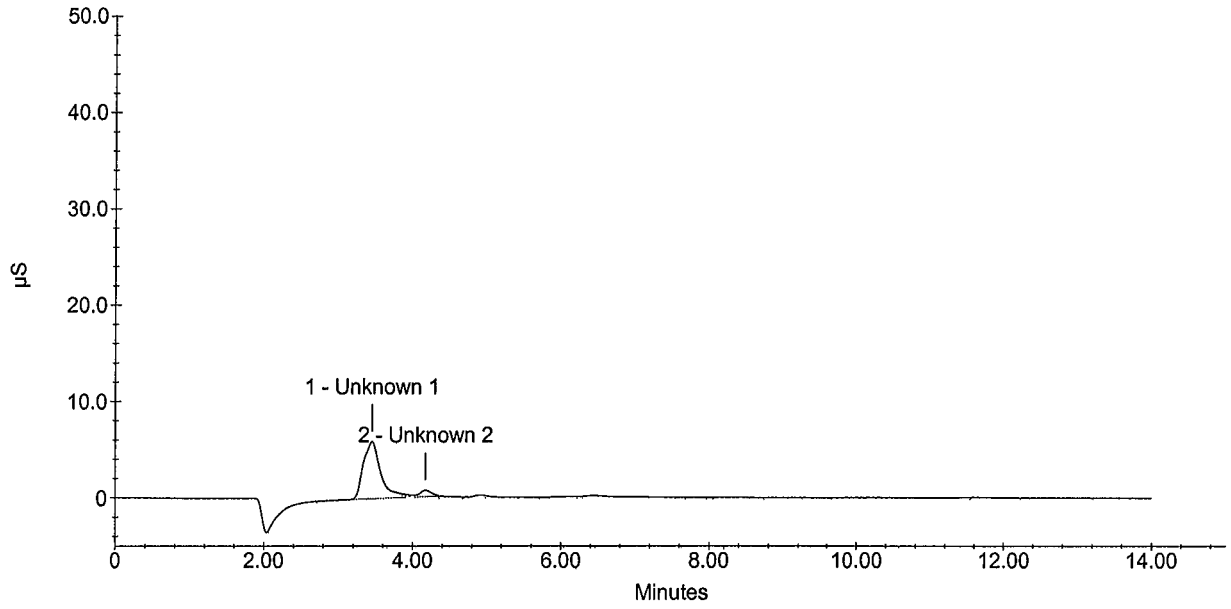
Sample Name : AY03218W01 1/5
Data File Name : i:\dionex\d1anions\data\090915a\090914a_027.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/15/09 3:47:54 PM
System Operator : pd
Injection Number : 27
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.45	Unknown 1	0.000	945986	58797	
2	4.17	Unknown 2	0.000	70814	6566	

AY03218W01 1/5



Sample Analysis Report

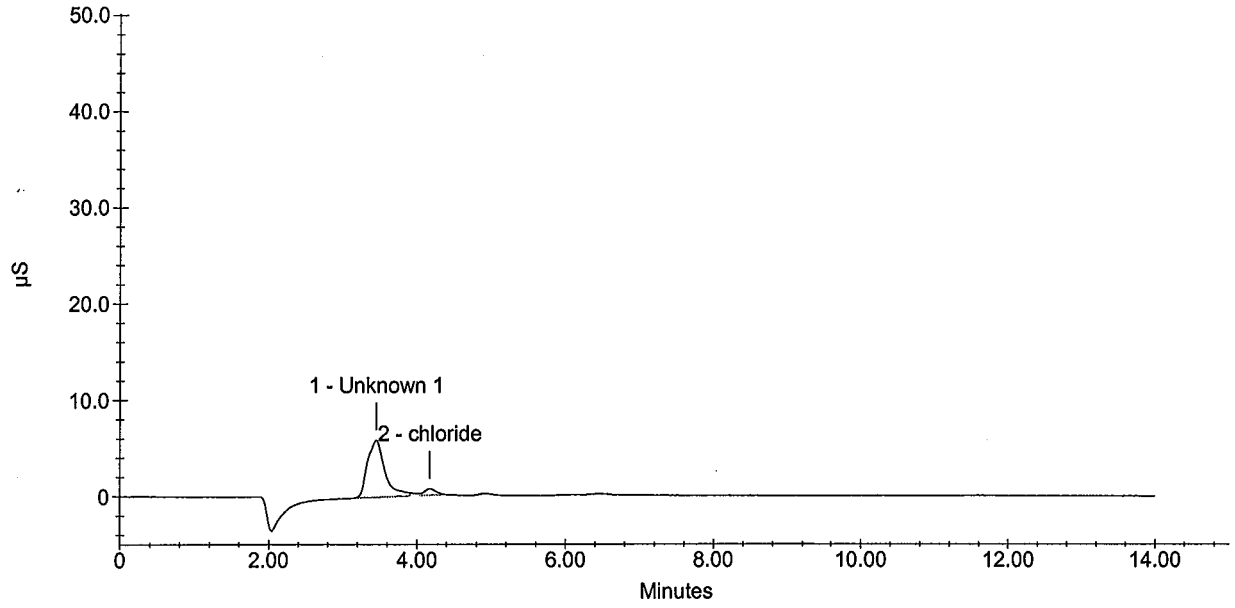
Sample Name : AY03218 W01 1/5 pd 09/17/09
Data File Name : i:\dionex\d1anions\data\090915a\090914a_027.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/15/09 15:47:54
System Operator : pd
Injection Number : 27
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.45	Unknown 1	0.0000	945986	58797	
2	4.17	chloride	5.9241	70814	6566	

AY03218



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102110
Sample Collection Date: No Date Specified

APPL ID: AY03219
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/15/09	09/15/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/15/09	09/15/09

Sample Analysis Report

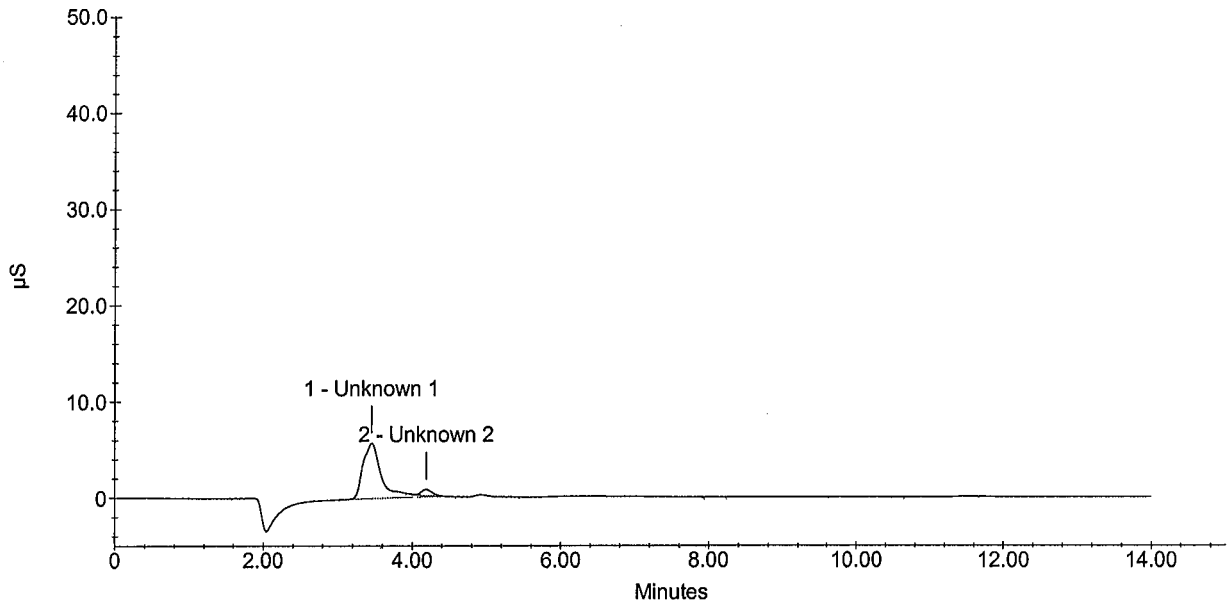
Sample Name : AY03219W01 1/5
Data File Name : i:\dionex\d1anions\data\090915a\090914a_028.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/15/09 4:04:34 PM
System Operator : pd
Injection Number : 28
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.45	Unknown 1	0.000	979123	56955	
2	4.19	Unknown 2	0.000	64502	6520	

AY03219W01 1/5



Sample Analysis Report

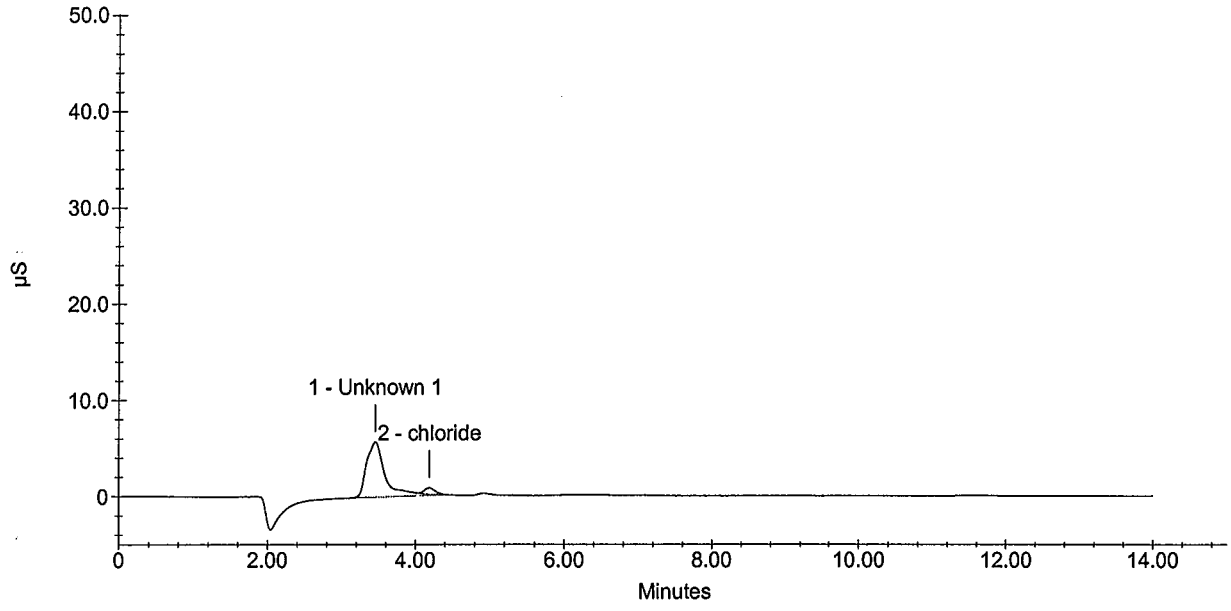
Sample Name : AY03219 W01 1/5 pd 09/17/09
Data File Name : i:\dionex\d1anions\data\090915a\090914a_028.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/15/09 16:04:34
System Operator : pd
Injection Number : 28
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.45	Unknown 1	0.0000	979123	56955	
2	4.19	chloride	5.8809	64502	6520	

AY03219



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102111
Sample Collection Date: No Date Specified

APPL ID: AY03220
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/16/09	09/16/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/16/09	09/16/09

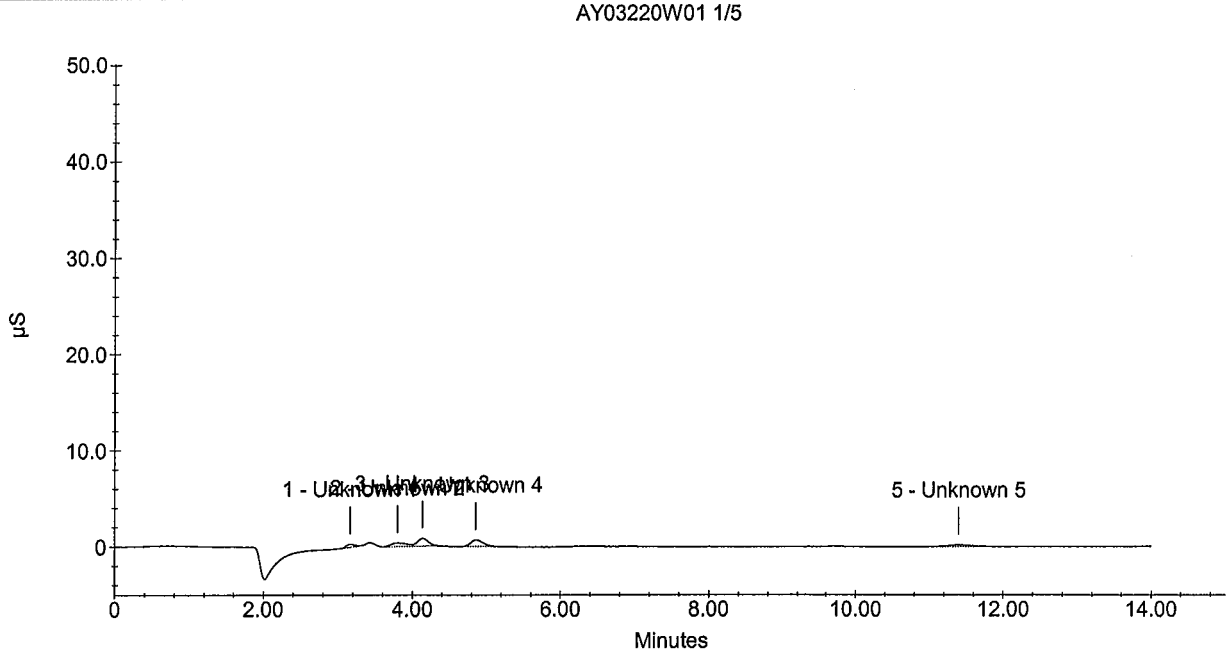
Sample Analysis Report

Sample Name : AY03220W01 1/5
Data File Name : i:\dionex\d1anions\data\090916a\090916A_013.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/16/09 11:56:05 AM
System Operator : CK
Injection Number : 13
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.16	Unknown 1	0.000	21656	2910	
2	3.80	Unknown 2	0.000	55354	3738	
3	4.13	Unknown 3	0.000	78266	7776	
4	4.85	Unknown 4	0.000	77837	6805	
5	11.40	Unknown 5	0.000	36029	1643	



Sample Analysis Report

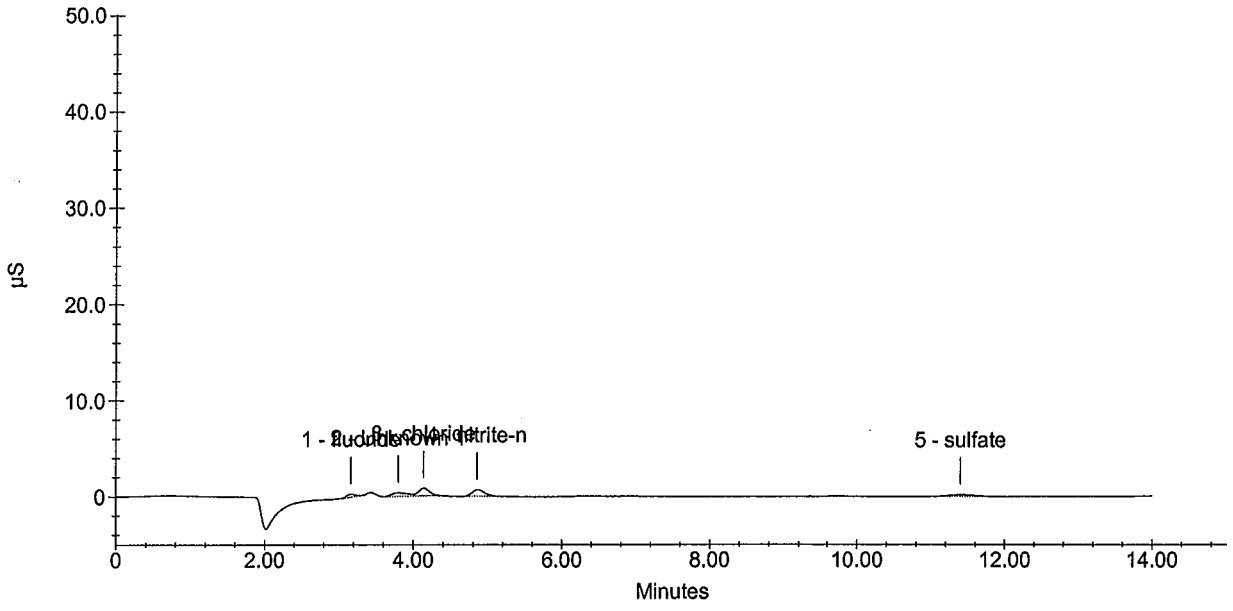
Sample Name : AY03220W01 1/5
Data File Name : i:\dionex\d1anions\data\090916a\090916A_013.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/16/09 11:56:05
System Operator : CK
Injection Number : 13
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.16	fluoride	0.5255	21656	2910	
2	3.80	Unknown 1	0.0000	55354	3738	
3	4.13	chloride	5.9751	78266	7776	
4	4.85	nitrite-n	0.6224	77837	6805	
5	11.40	sulfate	3.3873	36029	1643	

AY03220W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102112
Sample Collection Date: No Date Specified

APPL ID: AY03221
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/16/09	09/16/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/16/09	09/16/09

Sample Analysis Report

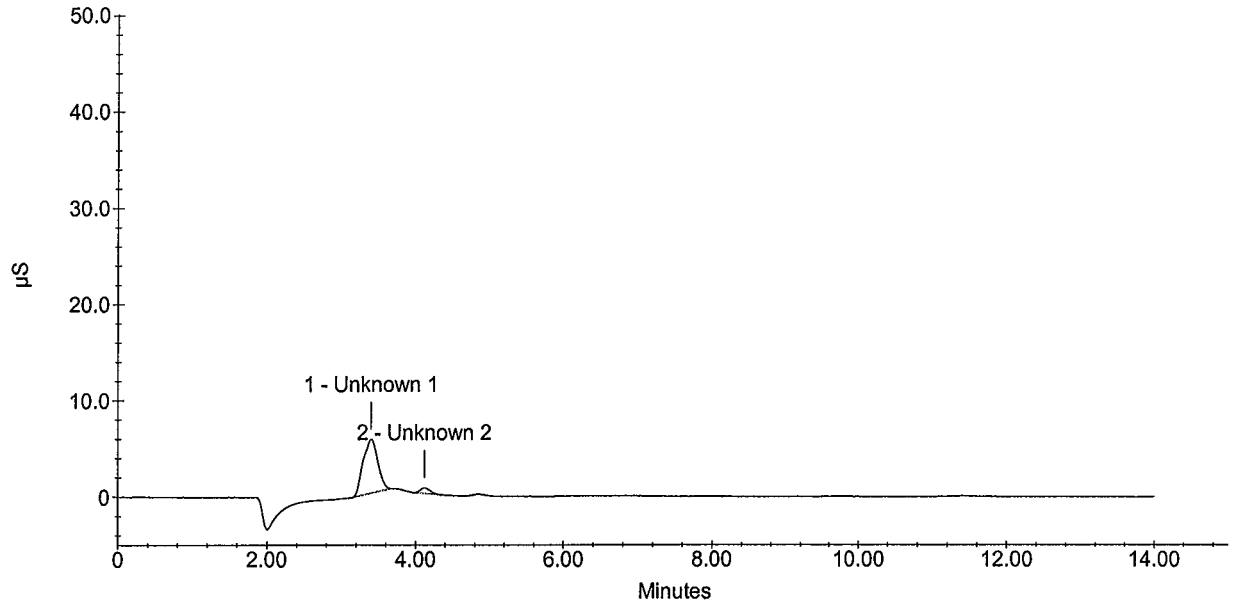
Sample Name : AY03221W01 1/5
Data File Name : i:\dionex\d1anions\data\090916a\090916A_014.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/16/09 12:12:49 PM
System Operator : CK
Injection Number : 14
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.000	759167	55566	
2	4.12	Unknown 2	0.000	50232	5732	

AY03221W01 1/5



Sample Analysis Report

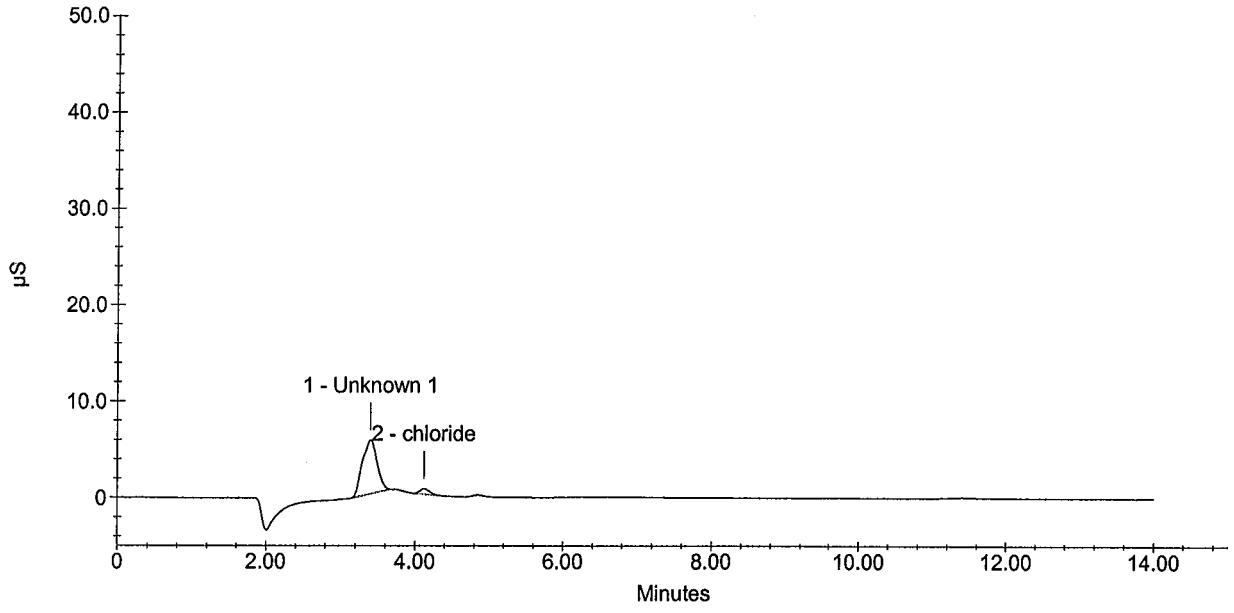
Sample Name : AY03221W01 1/5
Data File Name : i:\dionex\d1anions\data\090916a\090916A_014.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/16/09 12:12:49
System Operator : CK
Injection Number : 14
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	759167	55566	
2	4.12	chloride	5.7833	50232	5732	

AY03221W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102113
Sample Collection Date: No Date Specified

APPL ID: AY03222
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/16/09	09/16/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/16/09	09/16/09

Sample Analysis Report

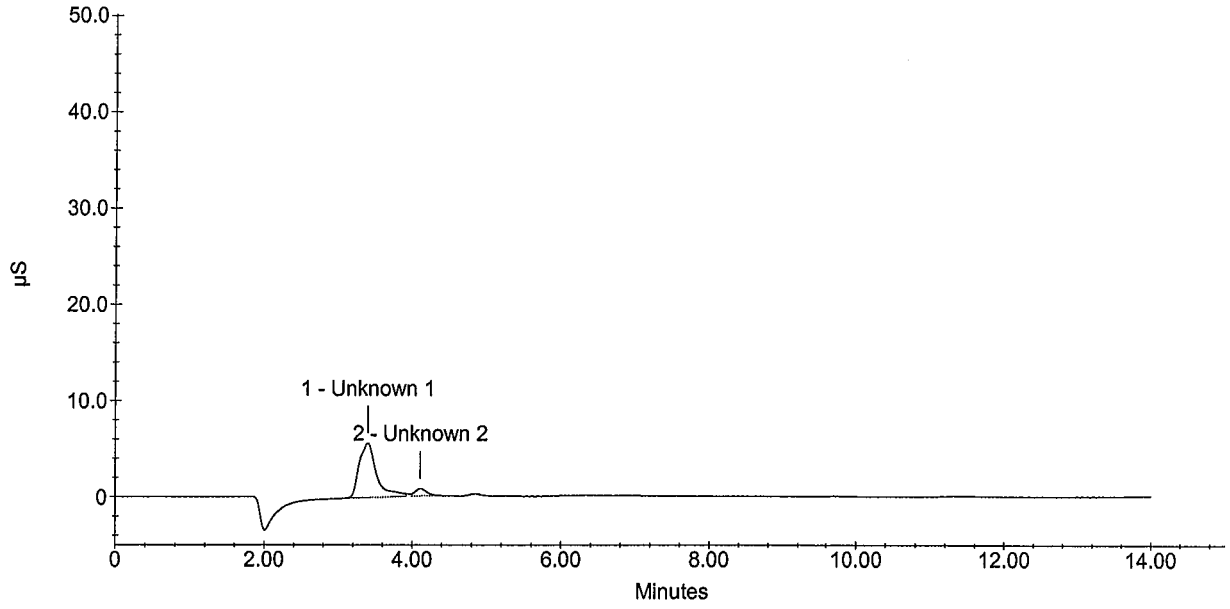
Sample Name : AY03222W01 1/5
Data File Name : i:\dionex\d1anions\data\090916a\090916a_016.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/16/09 12:49:47 PM
System Operator : pd
Injection Number : 16
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.000	915539	56231	
2	4.11	Unknown 2	0.000	80663	7565	

AY03222W01 1/5



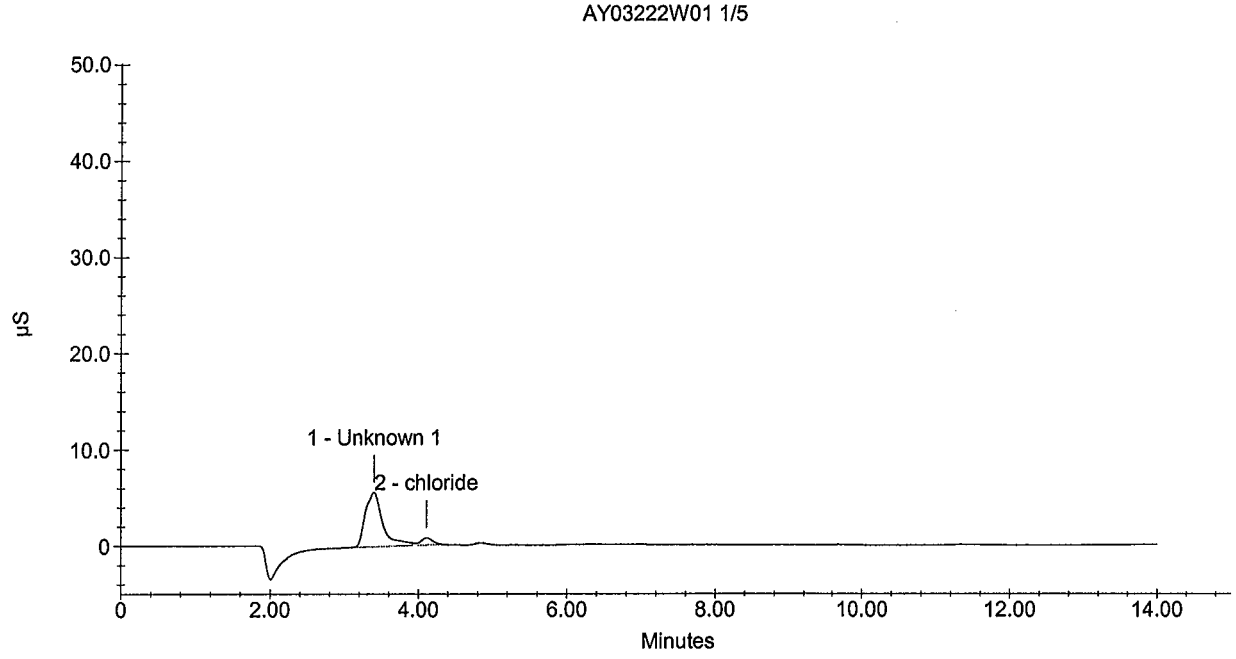
Sample Analysis Report

Sample Name : AY03222W01 1/5
Data File Name : i:\dionex\d1anions\data\090916a\090916a_016.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/16/09 12:49:47
System Operator : pd
Injection Number : 16
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	915539	56231	
2	4.11	chloride	5.9915	80663	7565	



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102133
Sample Collection Date: No Date Specified

APPL ID: AY03223
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/16/09	09/16/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/16/09	09/16/09

Sample Analysis Report

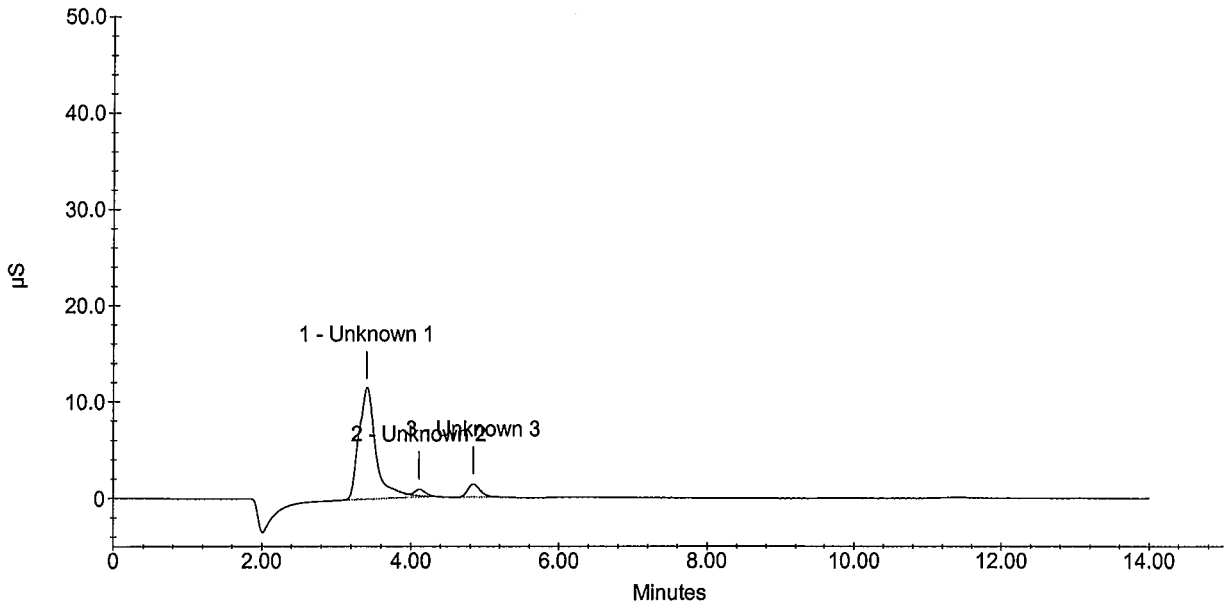
Sample Name : AY03223W01 1/5
Data File Name : I:\Dionex\D1Anions\data\090916A\090916A_022.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/16/09 2:40:16 PM
System Operator : pd
Injection Number : 22
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.000	1798757	113811	
2	4.11	Unknown 2	0.000	62257	6512	
3	4.84	Unknown 3	0.000	152904	13271	

AY03223W01 1/5



Sample Analysis Report

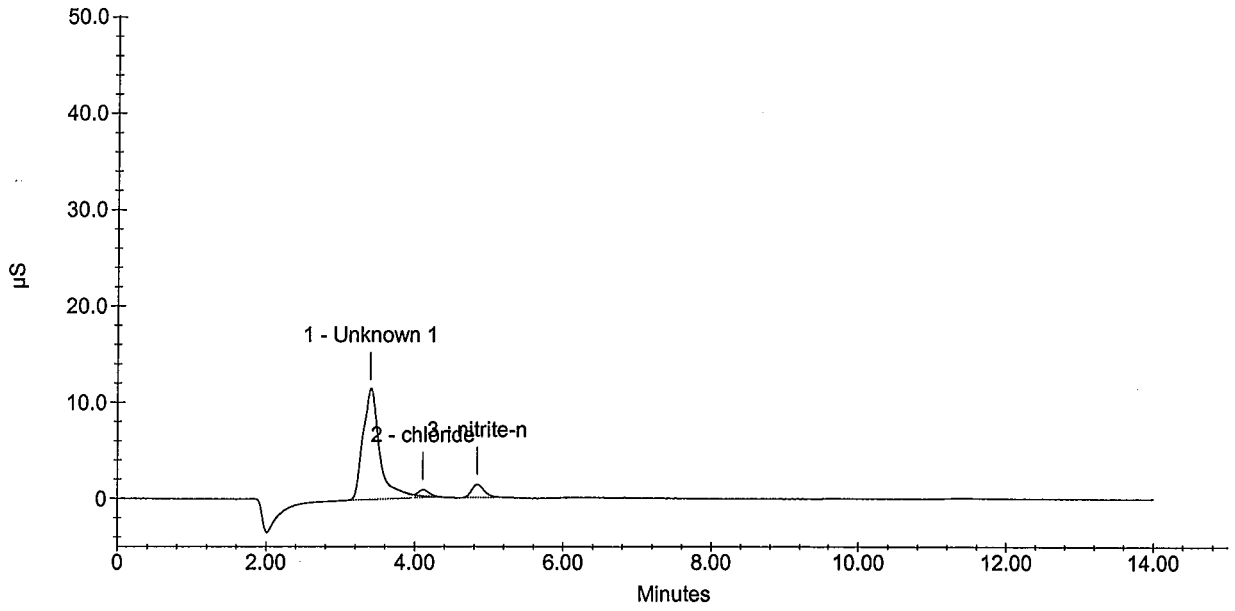
Sample Name : AY03223W01 1/5
Data File Name : i:\dionex\d1anions\data\090916a\090916A_022.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/16/09 14:40:16
System Operator : pd
Injection Number : 22
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	1798757	113811	
2	4.11	chloride	5.8656	62257	6512	
3	4.84	nitrite-n	0.9192	152904	13271	

AY03223W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102134
Sample Collection Date: No Date Specified

APPL ID: AY03224
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/16/09	09/16/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/16/09	09/16/09

Sample Analysis Report

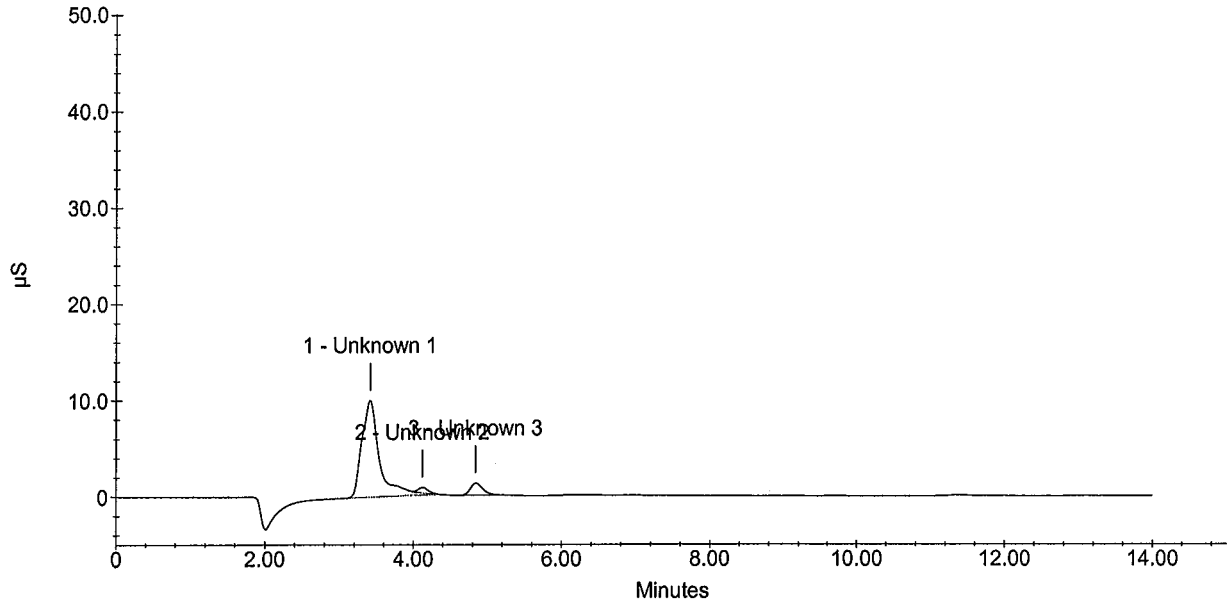
Sample Name : AY03224W01 1/5
Data File Name : i:\dionex\d1anions\data\090916a\090916A_023.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/16/09 2:56:57 PM
System Operator : pd
Injection Number : 23
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.41	Unknown 1	0.000	1634882	99989	
2	4.12	Unknown 2	0.000	58995	6087	
3	4.84	Unknown 3	0.000	139926	12225	

AY03224W01 1/5



Sample Analysis Report

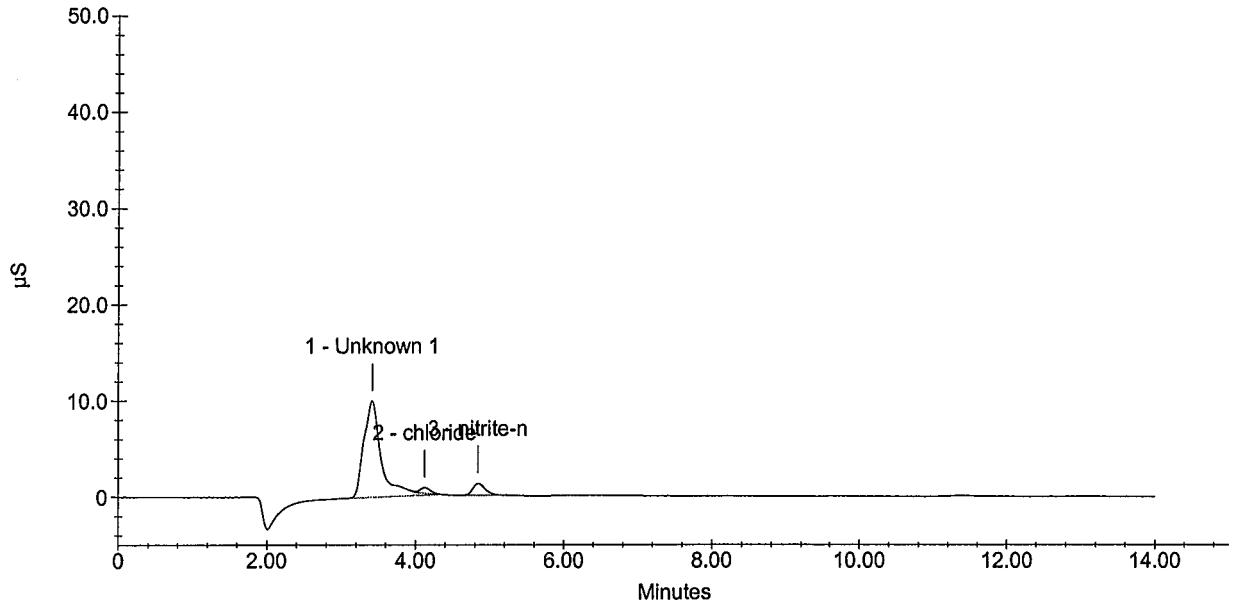
Sample Name : AY03224W01 1/5
Data File Name : i:\dionex\d1anions\data\090916a\090916A_023.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/16/09 14:56:57
System Operator : pd
Injection Number : 23
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.41	Unknown 1	0.0000	1634882	99989	
2	4.12	chloride	5.8432	58995	6087	
3	4.84	nitrite-n	0.8679	139926	12225	

AY03224W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102135
Sample Collection Date: No Date Specified

APPL ID: AY03225
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/16/09	09/16/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/16/09	09/16/09

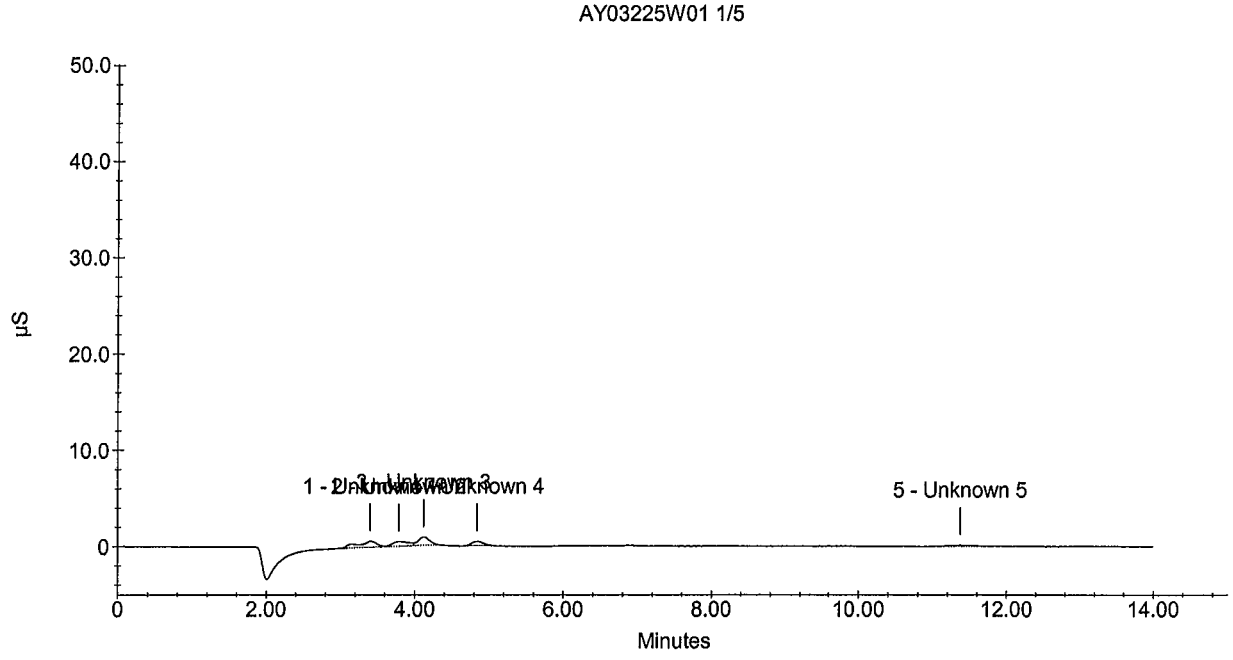
Sample Analysis Report

Sample Name : AY03225W01 1/5
Data File Name : i:\dionex\d1anions\data\090916a\090916A_024.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/16/09 3:13:35 PM
System Operator : pd
Injection Number : 24
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.000	108221	6021	
2	3.79	Unknown 2	0.000	71821	4792	
3	4.12	Unknown 3	0.000	87158	8628	
4	4.84	Unknown 4	0.000	50030	4608	
5	11.37	Unknown 5	0.000	23283	1086	



Sample Analysis Report

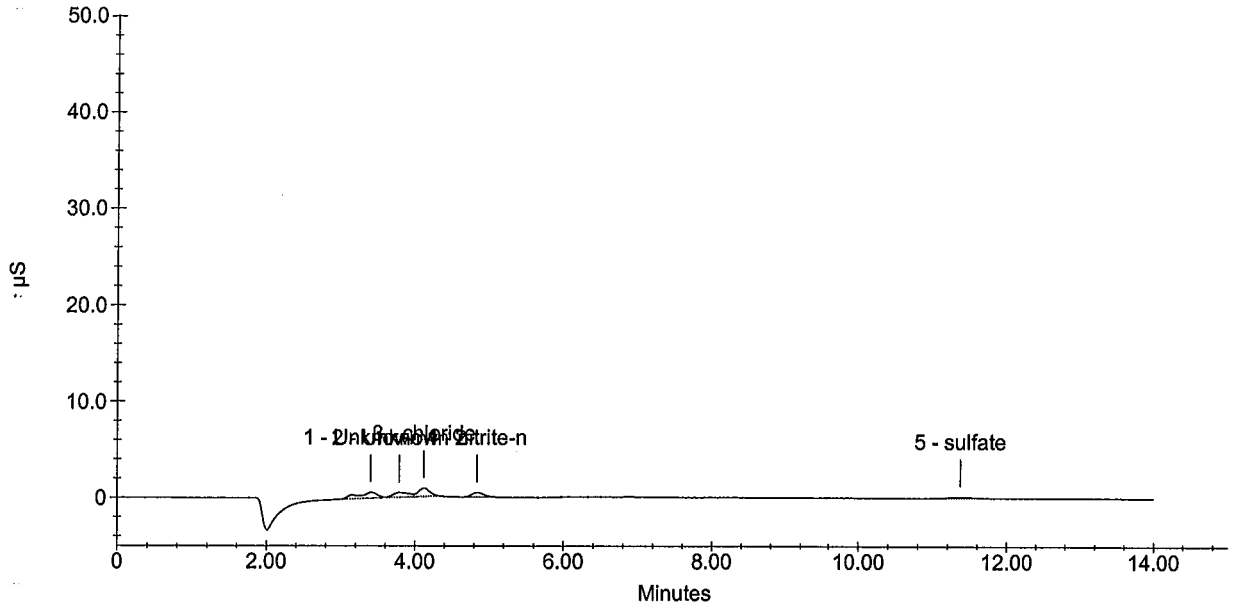
Sample Name : AY03225W01 1/5
Data File Name : i:\dionex\d1anions\data\090916a\090916A_024.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/16/09 15:13:35
System Operator : pd
Injection Number : 24
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	108221	6021	
2	3.79	Unknown 2	0.0000	71821	4792	
3	4.12	chloride	6.0360	87158	8628	
4	4.84	nitrite-n	0.5124	50030	4608	
5	11.37	sulfate	3.2464	23283	1086	

AY03225W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102136
Sample Collection Date: No Date Specified

APPL ID: AY03226
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/16/09	09/16/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/16/09	09/16/09

Sample Analysis Report

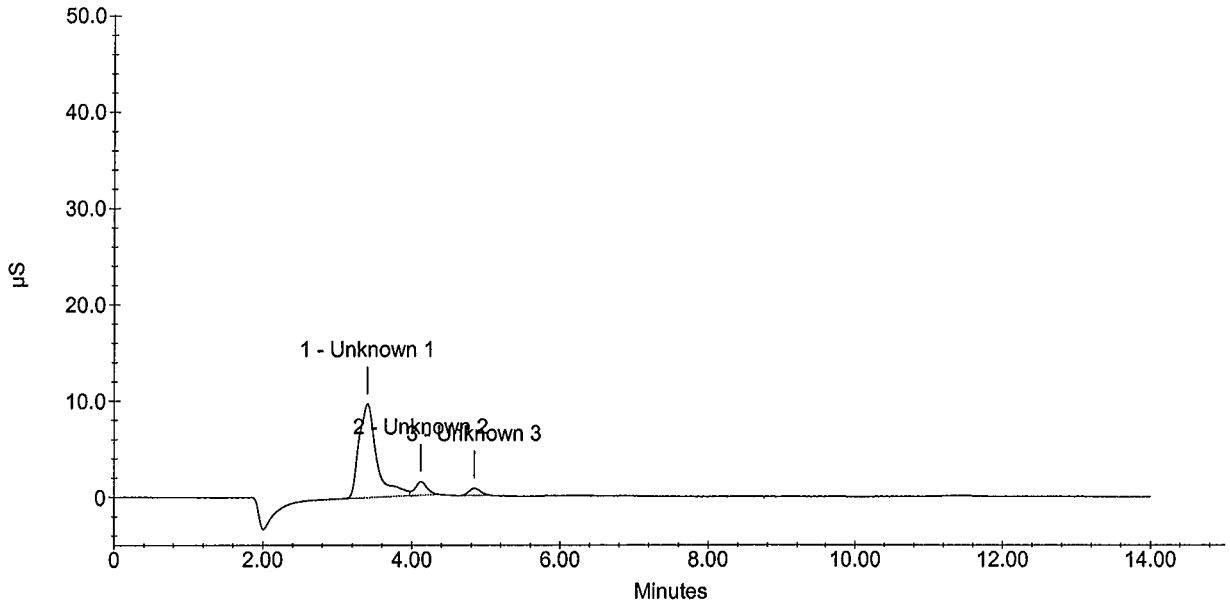
Sample Name : AY03226W01 1/5
Data File Name : i:\dionex\d1anions\data\090916a\090916A_025.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/16/09 3:30:15 PM
System Operator : pd
Injection Number : 25
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.000	1603681	96637	
2	4.12	Unknown 2	0.000	149995	13885	
3	4.84	Unknown 3	0.000	77887	7290	

AY03226W01 1/5



Sample Analysis Report

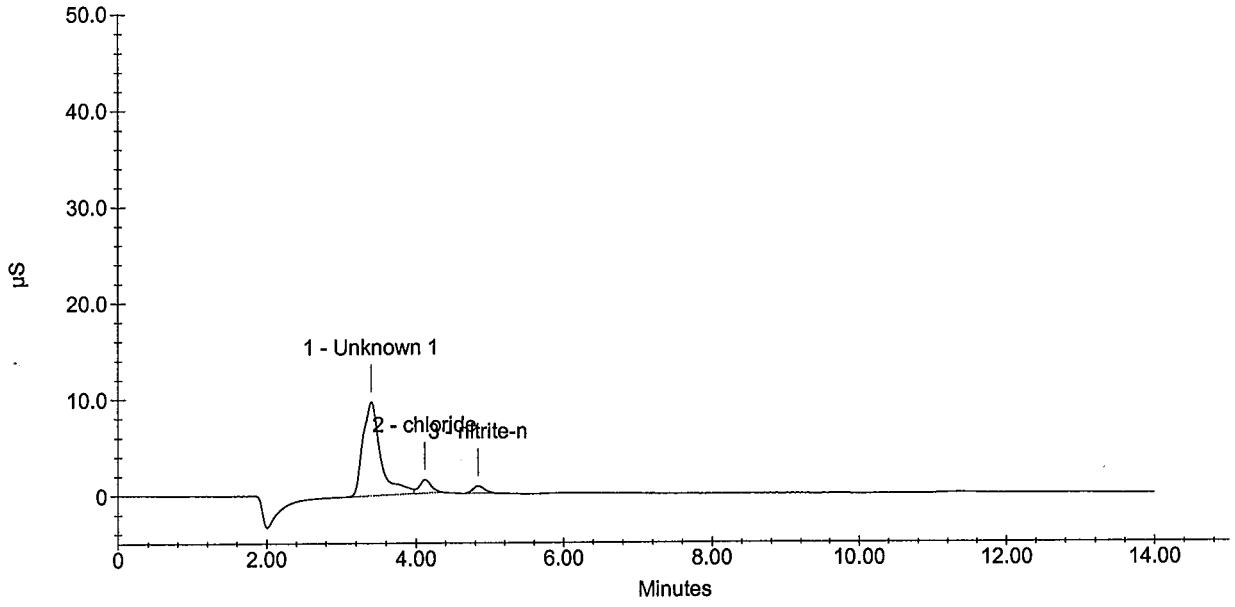
Sample Name : AY03226W01 1/5
Data File Name : i:\dionex\d1anions\data\090916a\090916A_025.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/16/09 15:30:15
System Operator : pd
Injection Number : 25
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	1603681	96637	
2	4.12	chloride	6.4661	149995	13885	
3	4.84	nitrite-n	0.6226	77887	7290	

AY03226W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102137
Sample Collection Date: No Date Specified

APPL ID: AY03227
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/16/09	09/16/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/16/09	09/16/09

Sample Analysis Report

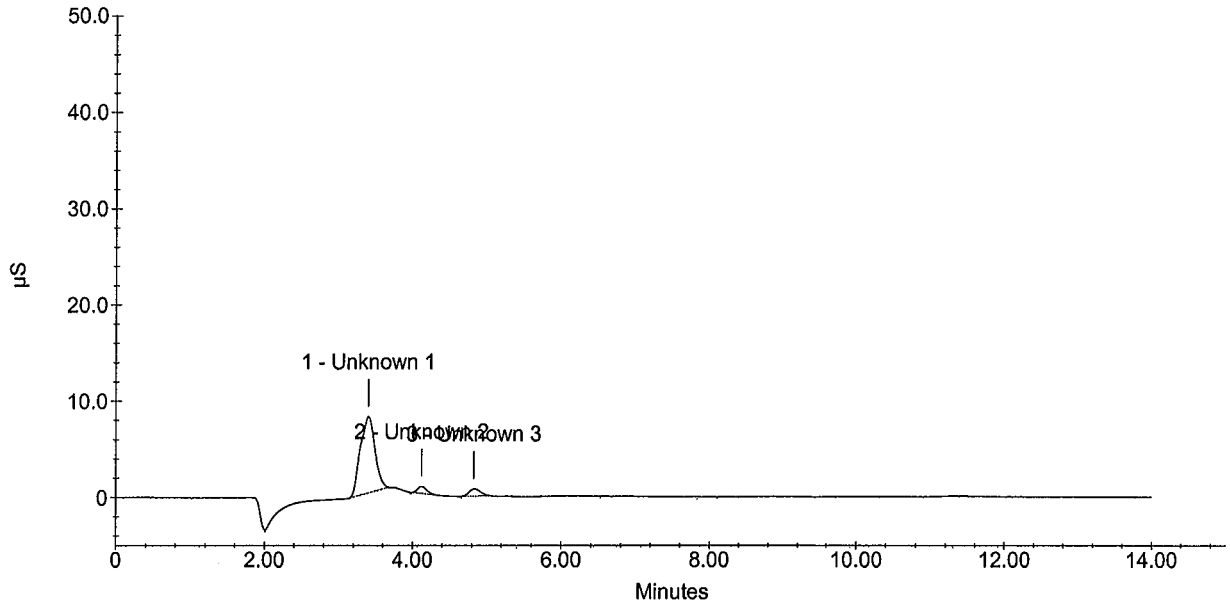
Sample Name : AY03227W01 1/5
Data File Name : i:\dionex\d1anions\data\090916a\090916A_026.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/16/09 3:46:53 PM
System Operator : pd
Injection Number : 26
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.000	1076638	78996	
2	4.12	Unknown 2	0.000	60522	6958	
3	4.83	Unknown 3	0.000	79576	7350	

AY03227W01 1/5



Sample Analysis Report

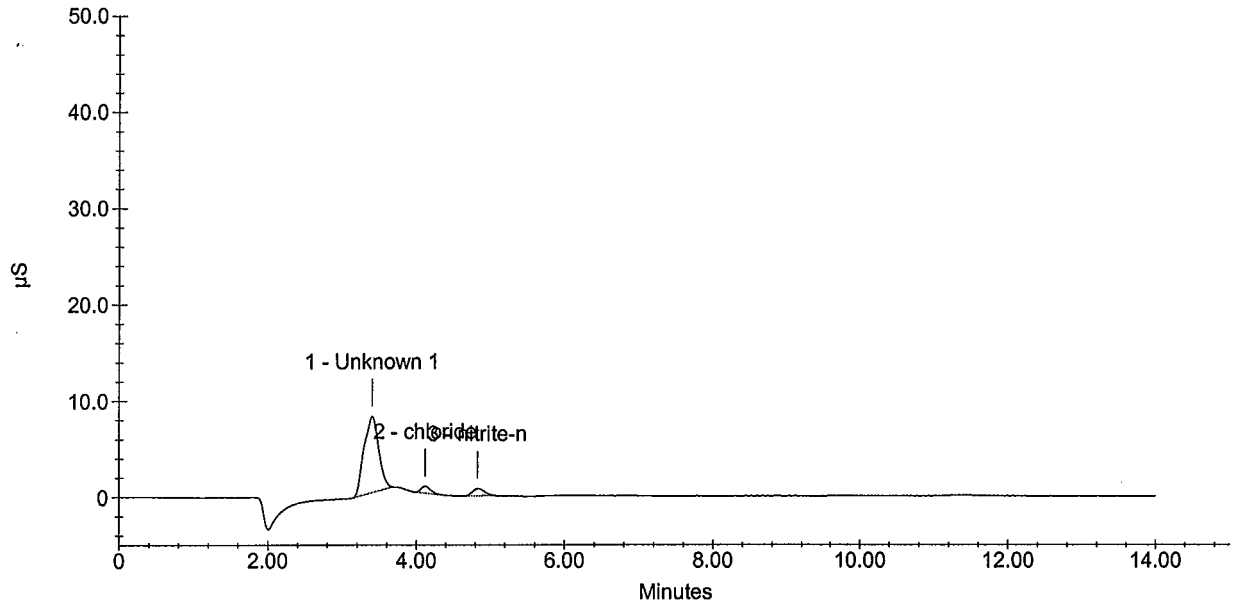
Sample Name : AY03227W01 1/5
Data File Name : i:\dionex\d1anions\data\090916a\090916A_026.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/16/09 15:46:53
System Operator : pd
Injection Number : 26
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	1076638	78996	
2	4.12	chloride	5.8537	60523	6958	
3	4.83	nitrite-n	0.6293	79576	7350	

AY03227W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102138
Sample Collection Date: No Date Specified

APPL ID: AY03228
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/16/09	09/16/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/16/09	09/16/09

Sample Analysis Report

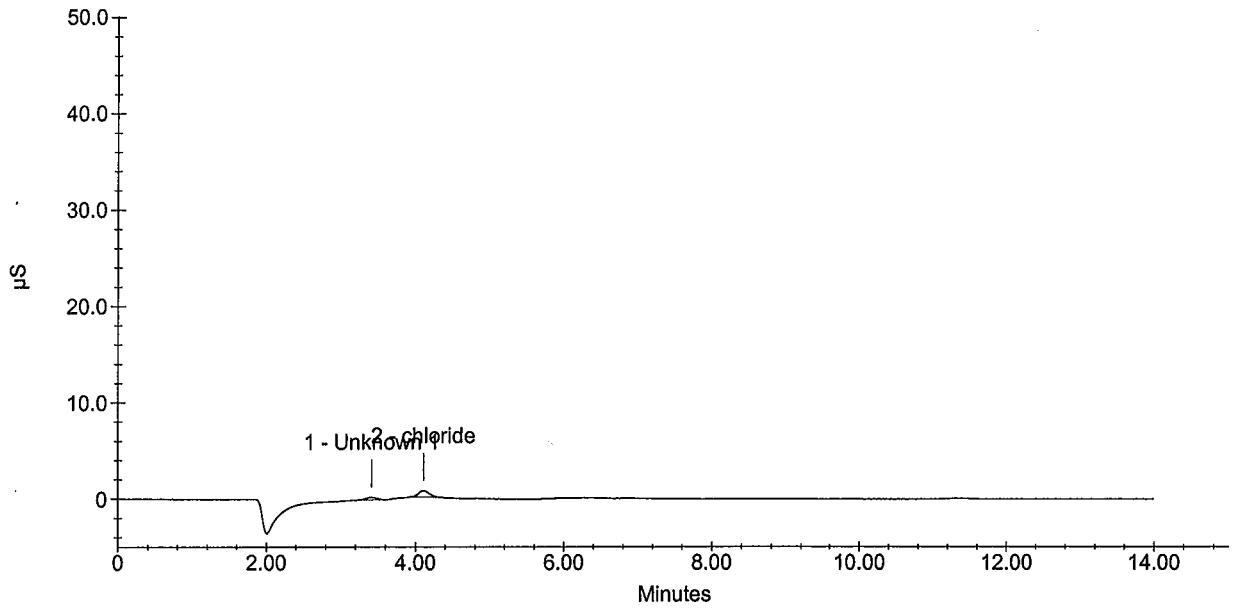
Sample Name : AY03228W01 1/5
Data File Name : i:\dionex\d1anions\data\090916a\090916A_027.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/16/09 16:03:30
System Operator : pd
Injection Number : 27
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.41	Unknown 1	0.0000	24815	2616	
2	4.11	chloride	5.8698	62874	6369	

AY03228W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102165

Sample Collection Date: No Date Specified

APPL ID: AY03229

ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/17/09	09/17/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/17/09	09/17/09

Sample Analysis Report

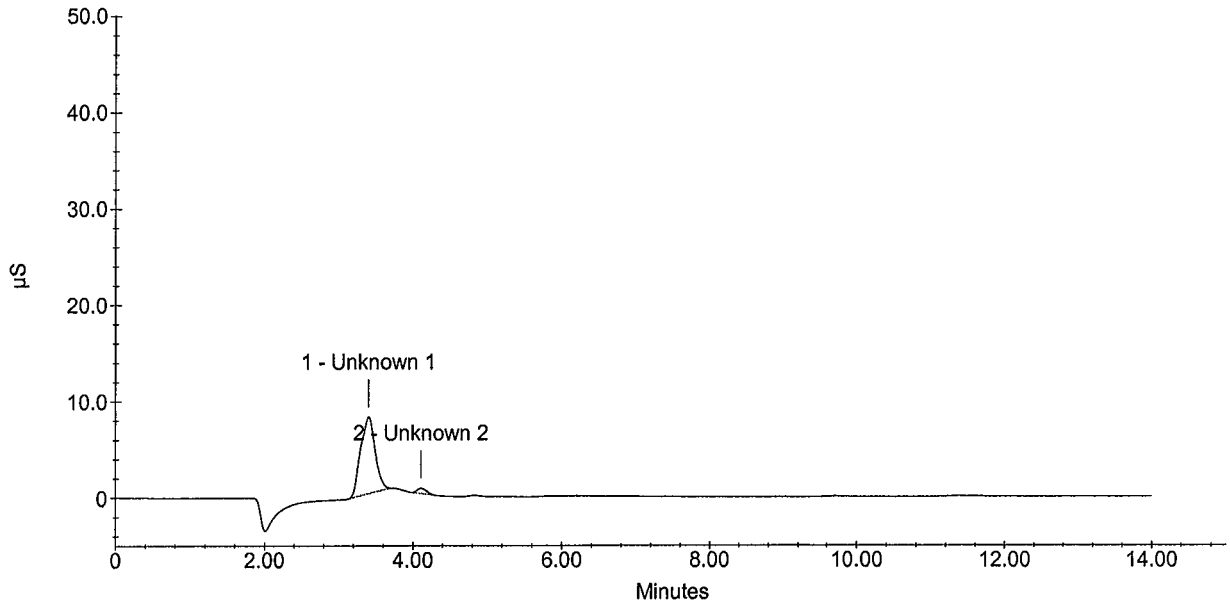
Sample Name : AY03229W01 1/5
Data File Name : I:\Dionex\D1Anions\data\090917A\090917A_009.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/17/09 10:34:13 AM
System Operator : pd
Injection Number : 9
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.000	1072536	79098	
2	4.11	Unknown 2	0.000	47059	5480	

AY03229W01 1/5



Sample Analysis Report

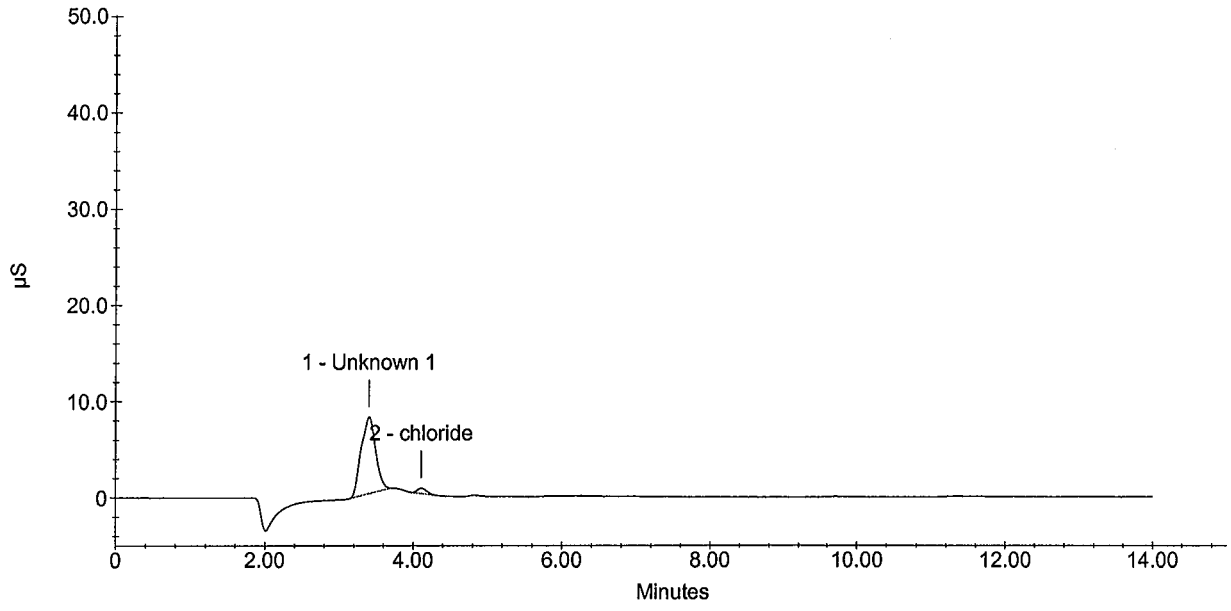
Sample Name : AY03229W01 1/5
Data File Name : I:\Dionex\D1Anions\data\090917A\090917A_009.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/17/09 10:34:13 AM
System Operator : pd
Injection Number : 9
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.000	1072536	79098	
2	4.11	chloride	5.762	47059	5480	

AY03229W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102166
Sample Collection Date: No Date Specified

APPL ID: AY03230
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/17/09	09/17/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/17/09	09/17/09

Sample Analysis Report

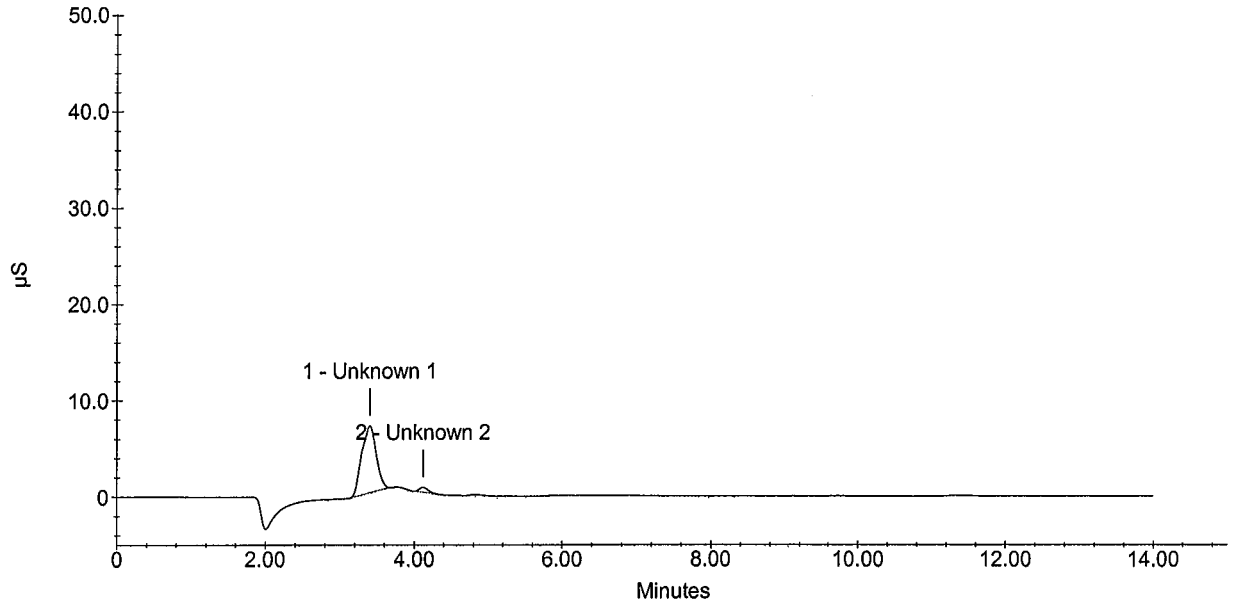
Sample Name : AY03230W01 1/5
Data File Name : i:\dionex\d1anions\data\090917a\090917A_010.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/17/09 10:50:51 AM
System Operator : pd
Injection Number : 10
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.000	939762	69097	
2	4.12	Unknown 2	0.000	40453	4977	

AY03230W01 1/5



Sample Analysis Report

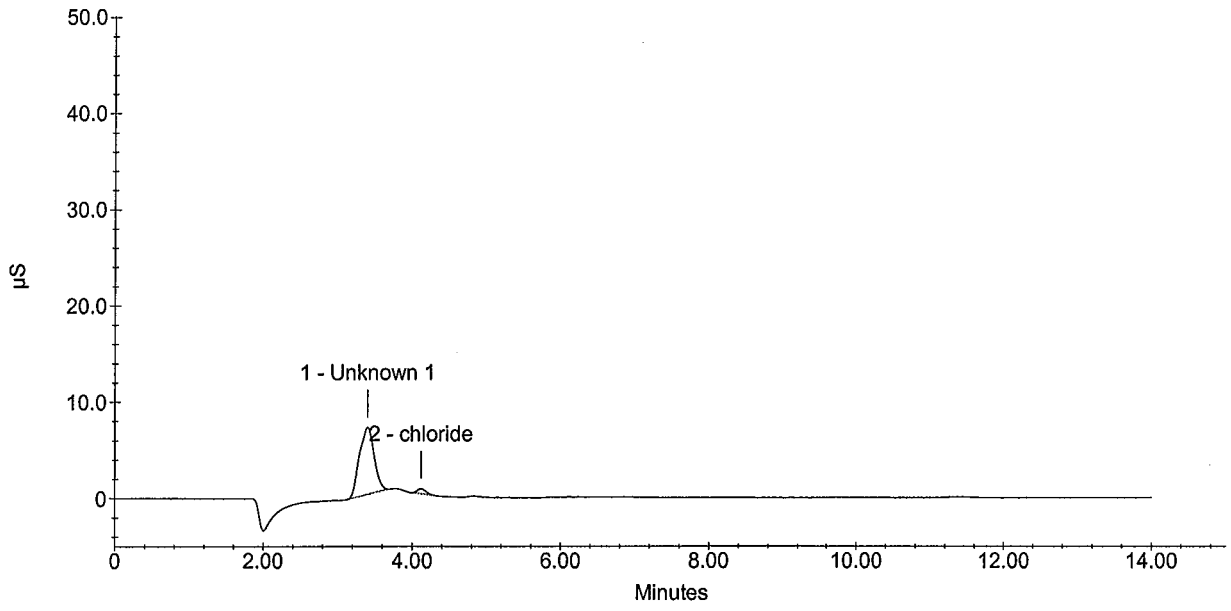
Sample Name : AY03230W01 1/5
Data File Name : i:\dionex\d1anions\data\090917a\090917A_010.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/17/09 10:50:51 AM
System Operator : pd
Injection Number : 10
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.000	939762	69097	
2	4.12	chloride	5.716	40453	4977	

AY03230W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102167
Sample Collection Date: No Date Specified

APPL ID: AY03231
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/17/09	09/17/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/17/09	09/17/09

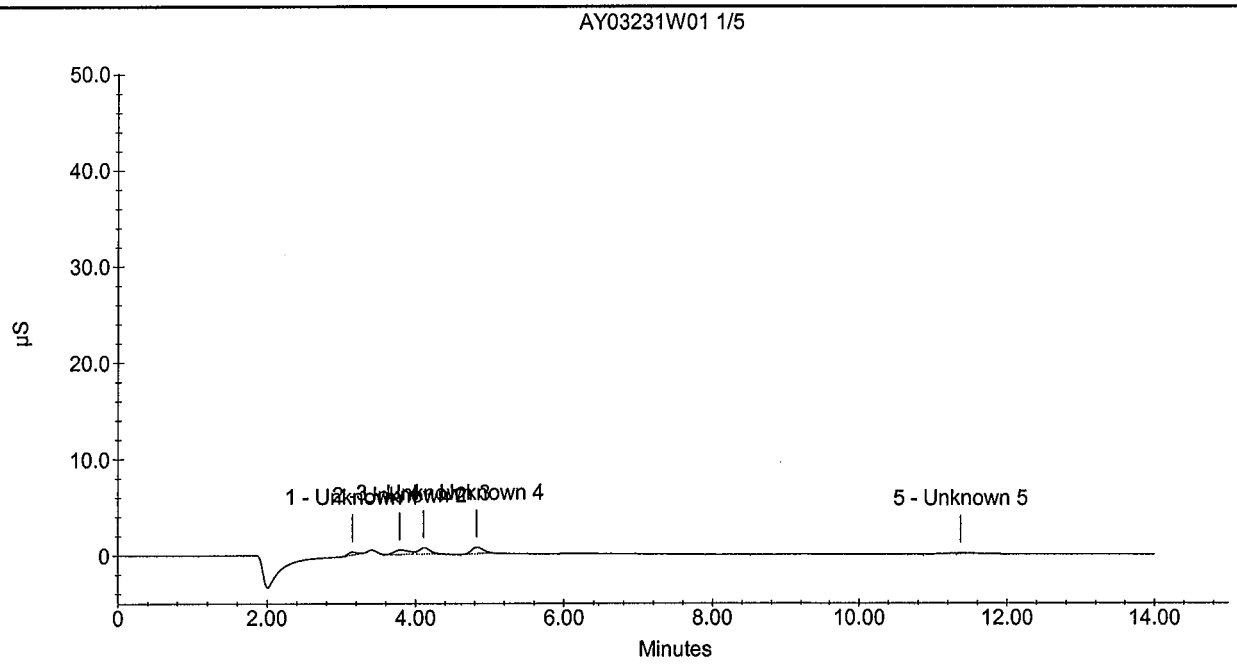
Sample Analysis Report

Sample Name : AY03231W01 1/5
Data File Name : i:\dionex\d1anions\data\090917a\090917A_011.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/17/09 11:07:28 AM
System Operator : pd
Injection Number : 11
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.15	Unknown 1	0.000	22342	3038	
2	3.79	Unknown 2	0.000	62268	4404	
3	4.11	Unknown 3	0.000	64870	6347	
4	4.83	Unknown 4	0.000	69099	6577	
5	11.37	Unknown 5	0.000	11204	684	



Sample Analysis Report

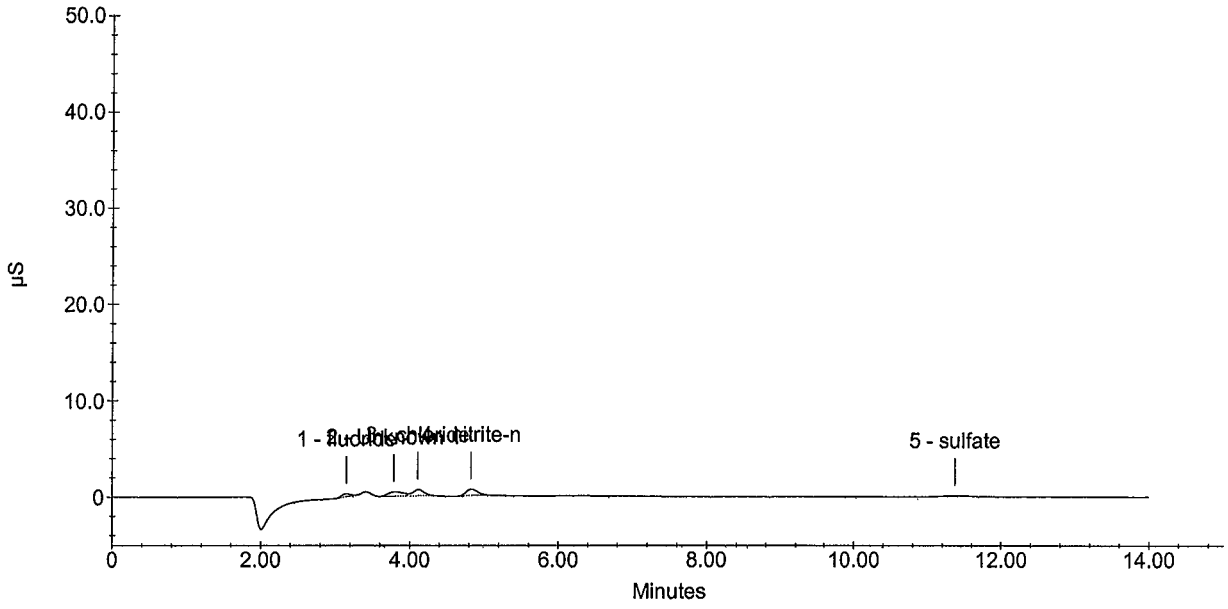
Sample Name : AY03231W01 1/5
Data File Name : i:\dionex\d1anions\data\090917a\090917A_011.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/17/09 11:07:28 AM
System Operator : pd
Injection Number : 11
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.15	fluoride	0.529	22342	3038	
2	3.79	Unknown 1	0.000	62268	4404	
3	4.11	chloride	5.883	64870	6347	
4	4.83	nitrite-n	0.588	69099	6577	
5	11.37	sulfate	3.113	11204	684	

AY03231W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102168
Sample Collection Date: No Date Specified

APPL ID: AY03232
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/17/09	09/17/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/17/09	09/17/09

Sample Analysis Report

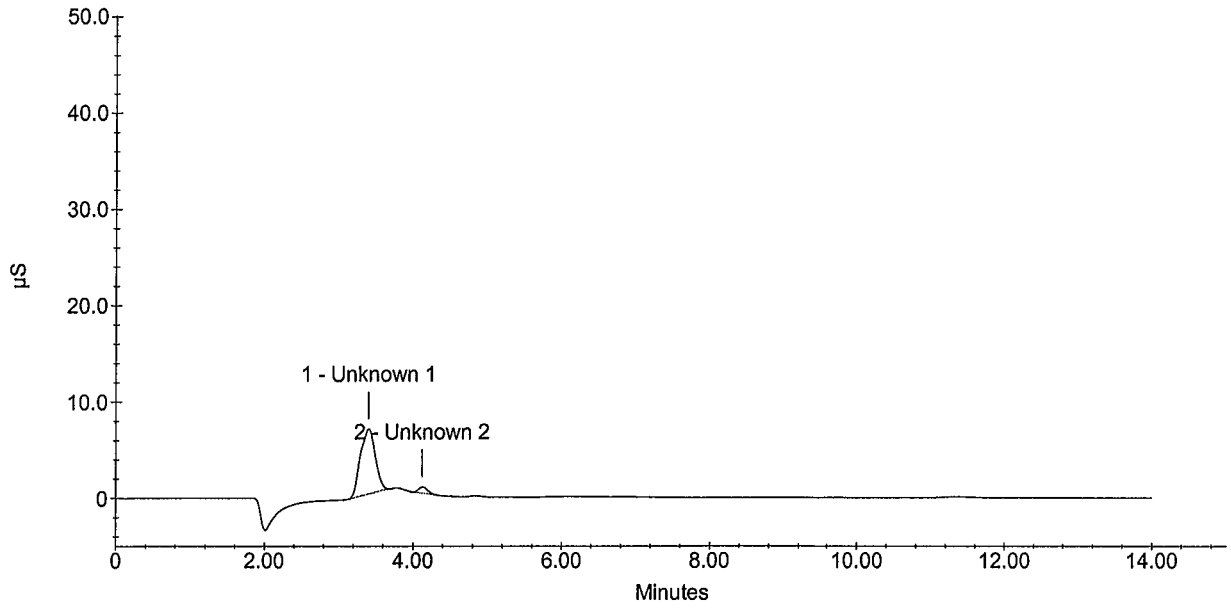
Sample Name : AY03232W01 1/5
Data File Name : i:\dionex\d1anions\data\090917a\090917A_012.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/17/09 11:24:18 AM
System Operator : pd
Injection Number : 12
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.000	923851	66983	
2	4.12	Unknown 2	0.000	52237	6178	

AY03232W01 1/5



Sample Analysis Report

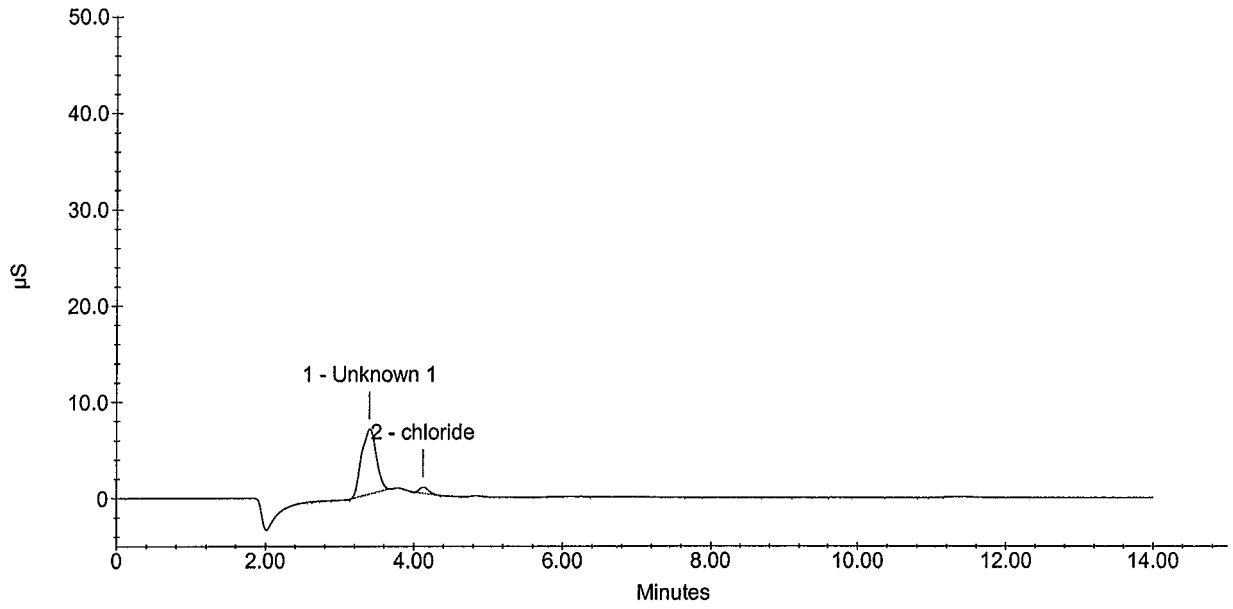
Sample Name : AY03232W01 1/5
Data File Name : i:\dionex\d1anions\data\090917a\090917A_012.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/17/09 11:24:18 AM
System Operator : pd
Injection Number : 12
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.000	923851	66983	
2	4.12	chloride	5.797	52237	6178	

AY03232W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102169
Sample Collection Date: No Date Specified

APPL ID: AY03233
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/17/09	09/17/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/17/09	09/17/09

Sample Analysis Report

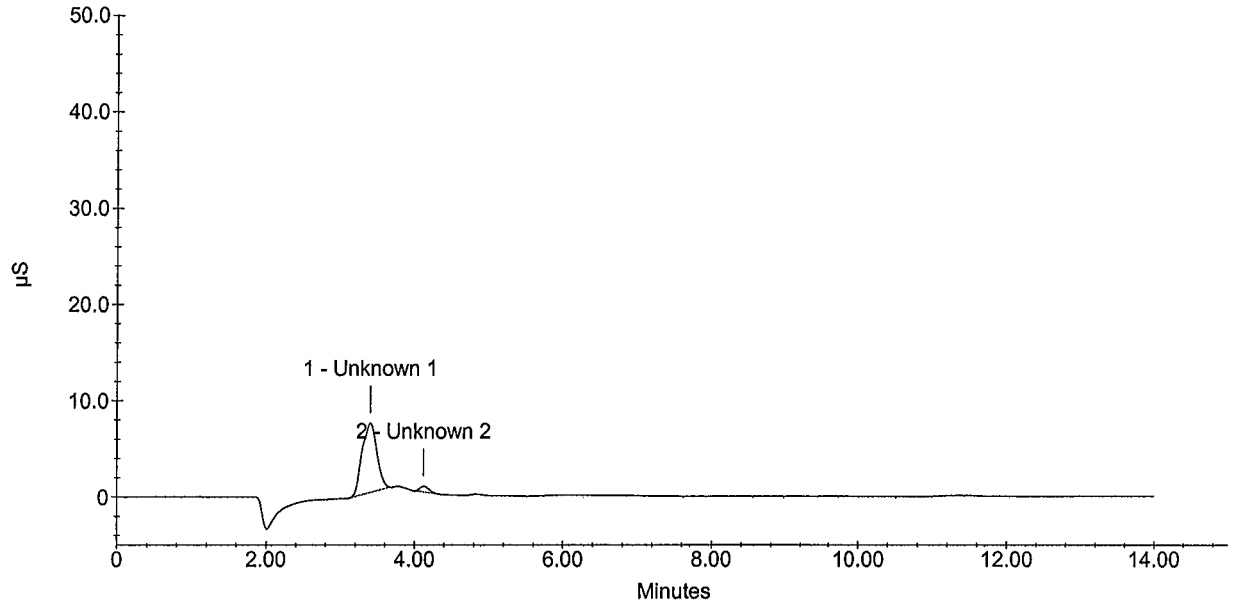
Sample Name : AY03233W01 1/5
Data File Name : i:\dionex\d1anions\data\090917a\090917A_013.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/17/09 11:40:57 AM
System Operator : pd
Injection Number : 13
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.000	990165	71700	
2	4.12	Unknown 2	0.000	48942	5854	

AY03233W01 1/5



Sample Analysis Report

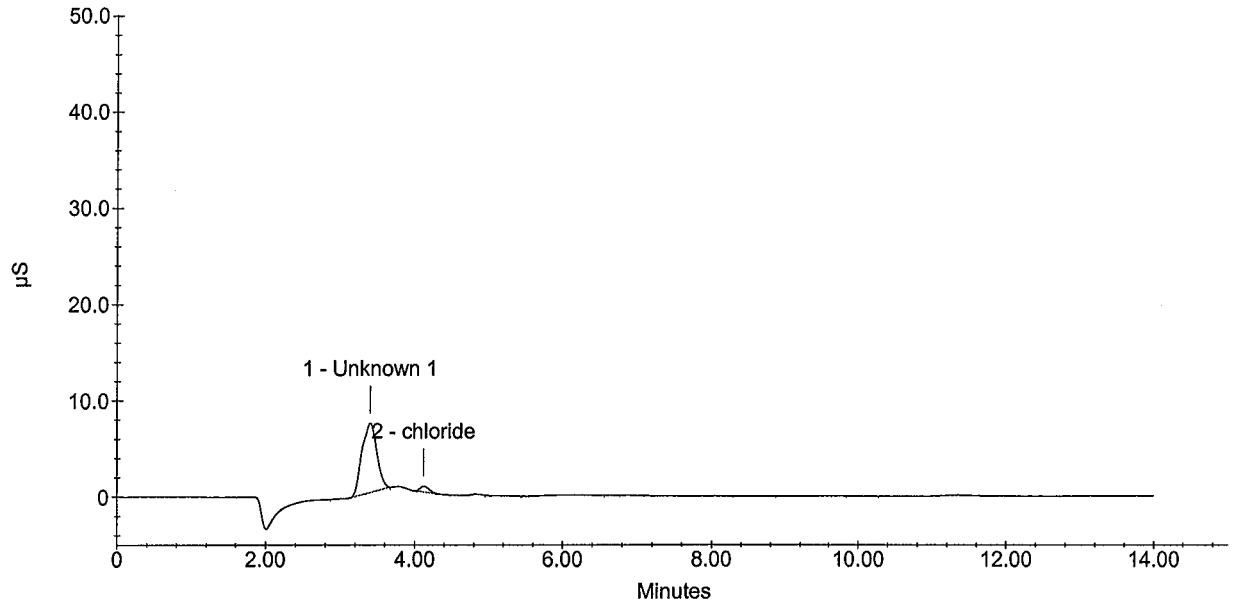
Sample Name : AY03233W01 1/5
Data File Name : i:\dionex\d1anions\data\090917a\090917A_013.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/17/09 11:40:57 AM
System Operator : pd
Injection Number : 13
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.000	990165	71700	
2	4.12	chloride	5.774	48942	5854	

AY03233W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 102170

APPL ID: AY03234

Sample Collection Date: No Date Specified

ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/17/09	09/17/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/17/09	09/17/09

Sample Analysis Report

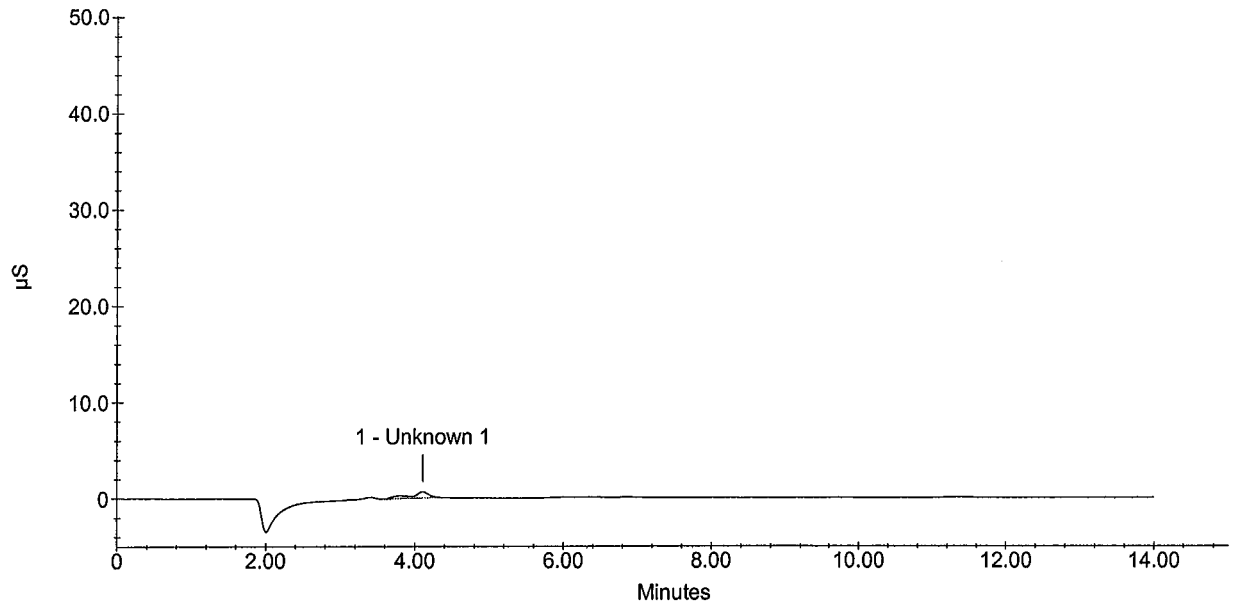
Sample Name : AY03234W01 1/5
Data File Name : i:\dionex\d1anions\data\090917a\090917A_014.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/17/09 11:57:34 AM
System Operator : pd
Injection Number : 14
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.11	Unknown 1	0.000	106456	6168	

AY03234W01 1/5



Sample Analysis Report

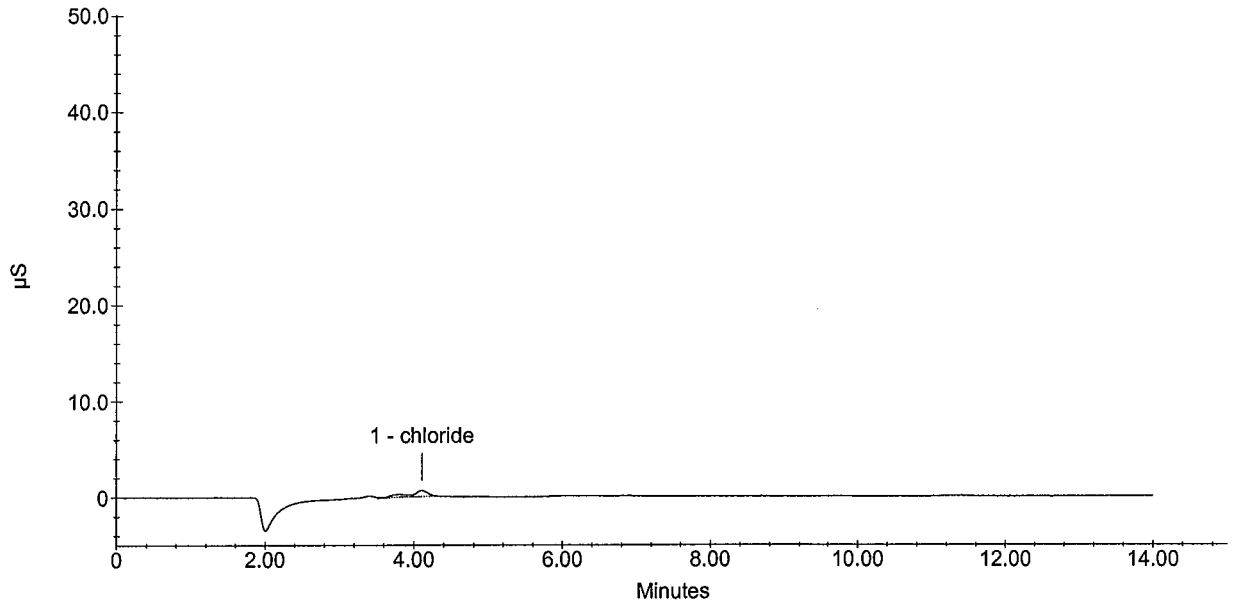
Sample Name : AY03234W01 1/5
Data File Name : i:\dionex\d1anions\data\090917a\090917A_014.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/17/09 11:57:34 AM
System Operator : pd
Injection Number : 14
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.11	chloride	6.168	106456	6168	

AY03234W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: METHOD BLANK 1
Sample Collection Date: No Date Specified

APPL ID: AY03235
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/17/09	09/17/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/17/09	09/17/09

Sample Analysis Report

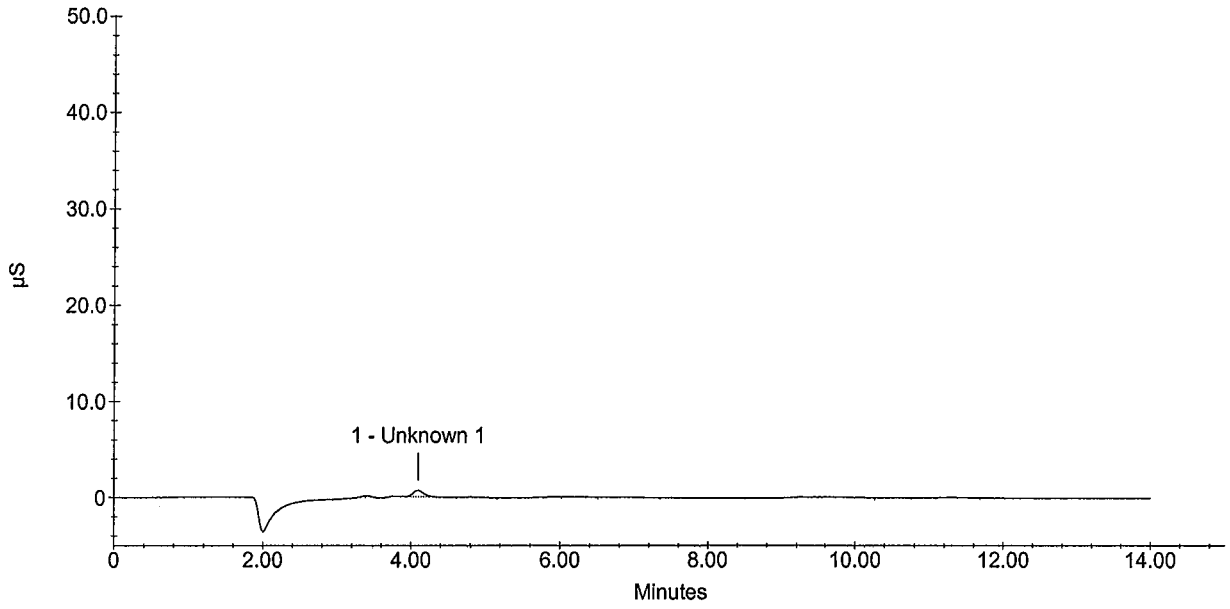
Sample Name : AY03235W01 1/5
Data File Name : i:\dionex\d1anions\data\090917a\090917A_015.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/17/09 12:14:10 PM
System Operator : pd
Injection Number : 15
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.09	Unknown 1	0.000	58289	6265	

AY03235W01 1/5



Sample Analysis Report

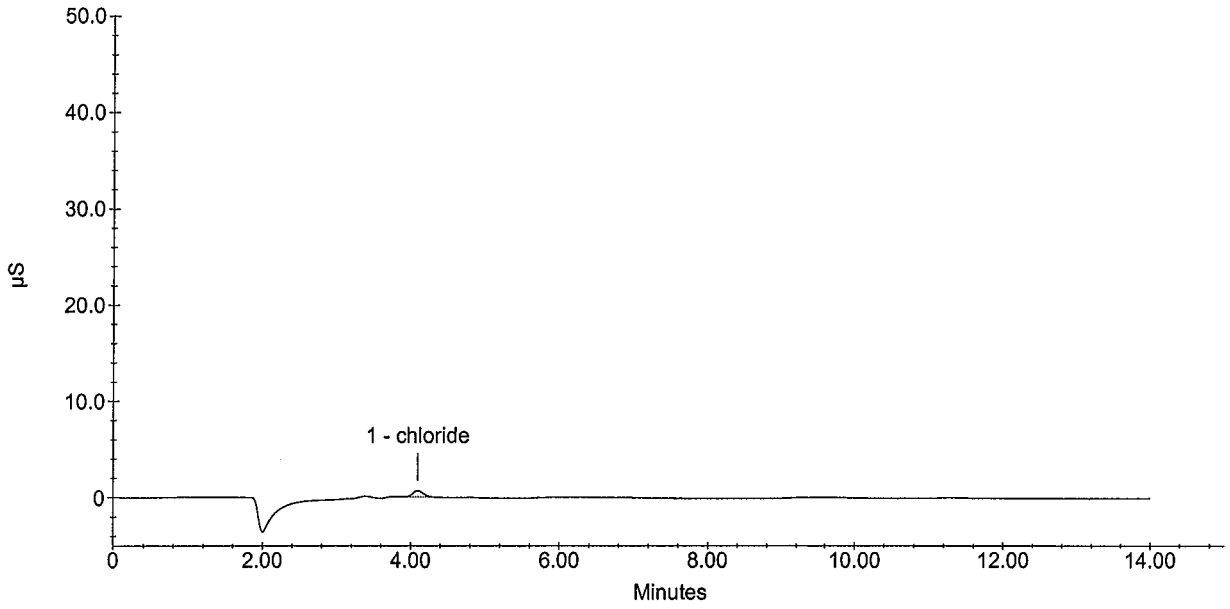
Sample Name : AY03235W01 1/5
Data File Name : i:\dionex\d1anions\data\090917a\090917A_015.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/17/09 12:14:10 PM
System Operator : pd
Injection Number : 15
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.09	chloride	5.838	58289	6265	

AY03235W01 1/5



Wet Lab Analysis

Air Toxics Ltd.
180 Blue Ravine Rd.
Folsom, CA 95630

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: METHOD BLANK 2
Sample Collection Date: No Date Specified

APPL ID: AY03236
ARF: 59752

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/17/09	09/17/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/17/09	09/17/09

Sample Analysis Report

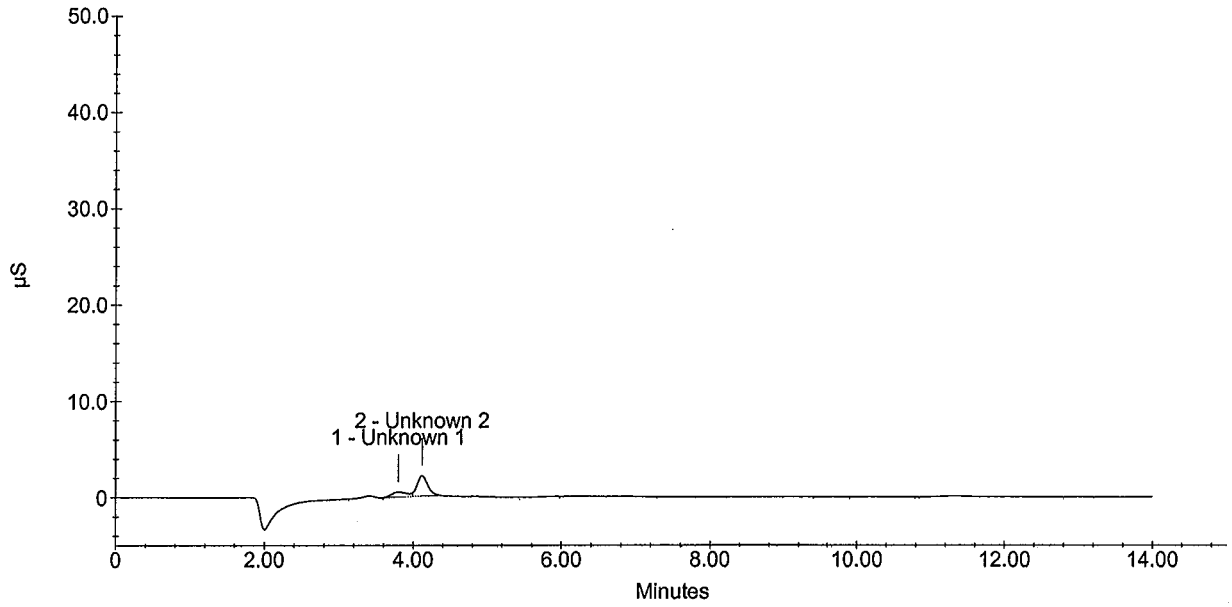
Sample Name : AY03236W01 1/5
Data File Name : i:\dionex\d1anions\data\090917a\090917A_016.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/17/09 12:30:47 PM
System Operator : pd
Injection Number : 16
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.80	Unknown 1	0.000	75177	5051	
2	4.12	Unknown 2	0.000	204807	21152	

AY03236W01 1/5



Sample Analysis Report

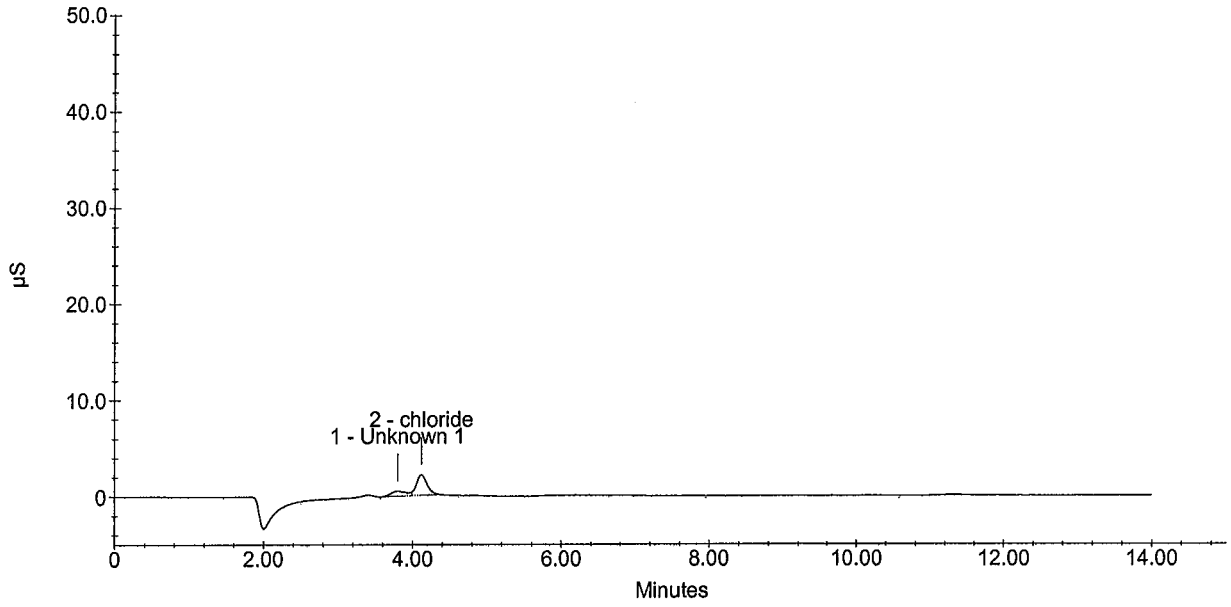
Sample Name : AY03236W01 1/5
Data File Name : i:\dionex\d1anions\data\090917a\090917A_016.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/17/09 12:30:47 PM
System Operator : pd
Injection Number : 16
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.80	Unknown 1	0.000	75177	5051	
2	4.12	chloride	6.841	204807	21152	

AY03236W01 1/5



INORGANIC ANALYSIS
Calibration Data

APPL, INC.

INORGANIC ANALYSES
AUTO CALIBRATION

Analytical Method: 300/9056

Lab Name: APPL, Inc.

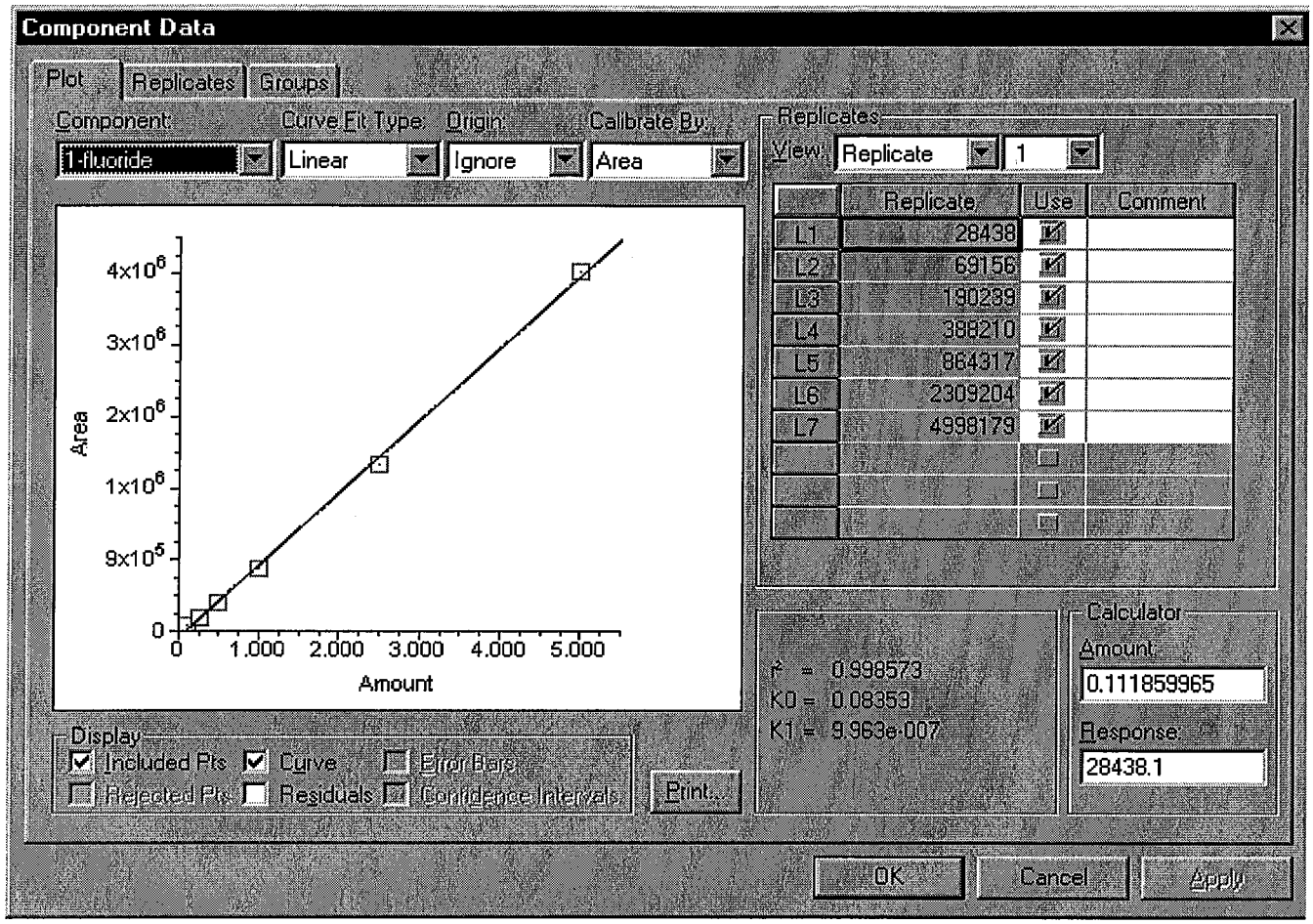
Instrument ID: Dionex

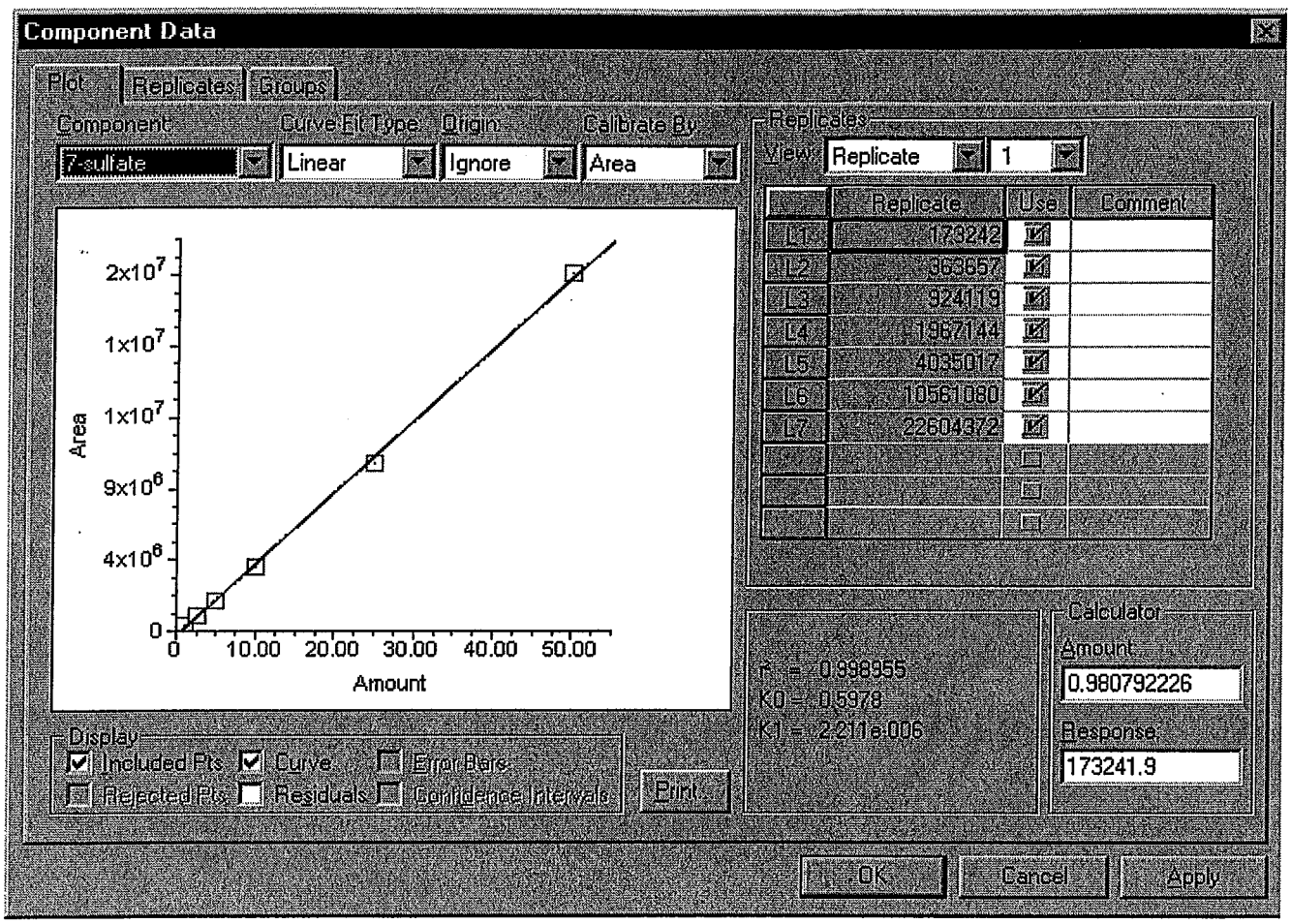
Autocal ID: 090908a

Concentration Units (mg/L or mg/kg): mg/L

Analyte	1	2	3	4	5	6	7
	Autocal 17:54	Autocal 18:11	Autocal 18:28	Autocal 18:44	Autocal 19:01	Autocal 19:18	Autocal 19:51
Bromide	45011	102949	273884	565311	1161146	3003978	6433775
Chloride	246547	501256	1295268	2697634	5731164	16243200	36391457
Fluoride	28438	69156	190239	388210	864316	2309203	4998178
Nitrate-N	105973	243976	622876	1299802	2638754	6978891	15166496
Nitrite-N	42517	102683	260271	546394	1112944	2948541	6316140
Phosphate-P	33052	121531	342763	684255	1254911	2855227	5509120
Sulfate	173241	363656	924118	1967143	4035016	10561080	22604372

Comments:


Component Data
Plot
Replicates
Groups
Component:
1-fluoride
Curve Fit Type:
Linear
Origin:
Ignore
Calibrate By:
Area
4x10^6
3x10^6
2x10^6
1x10^6
9x10^5
0
Area
0
1.000
2.000
3.000
4.000
5.000
Amount
Replicates
View:
Replicate
1
Replicate
Use
Comment
L1 28438
L2 69156
L3 190239
L4 388210
L5 864317
L6 2309204
L7 4998179
r² = 0.998573
K0 = 0.08353
K1 = 9.963e-007
Calculator
Amount:
0.111859965
Response:
28438.1
Display
Included Pts
Curve
Error Bars
Rejected Pts
Residuals
Confidence Intervals
Print...
OK
Cancel
Apply


Component Data
Plot
Replicates
Groups
Component
7-sulfate
Curve Fit Type
Linear
Origin
Ignore
Calibrate By
Area
Replicates
View
Replicate
1
Replicate
Use
Comment
L1 173242
L2 363657
L3 924119
L4 1967144
L5 4035017
L6 10561080
L7 22604372
2x10^7
1x10^7
1x10^7
9x10^6
4x10^6
0
Area
0
10.00
20.00
30.00
40.00
50.00
Amount
R = 0.998955
K0 = 0.5978
K1 = 2.211e-006
Calculator
Amount
0.980792226
Response
173241.9
Display
Included Pts
Curve
Error Bars
Rejected Pts
Residuals
Confidence Intervals
Print
OK
Cancel
Apply

A.P.P.L. INC.
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC. Contract: Air Toxics Ltd.
ARF No: 59752 SDG: 59752
Initial Calibration Source: CPI
Continuing Calibration Source: Environmental Express
Analysis Date: 9/8/2009

Analyte	Calibration Verification									M
	True ICV	Found 20:08	%R(1)	True CCV1	Found 20:58	%R(1)	True	Found	%R(1)	
fluoride	2.5	2.30523	92.2	2.5	2.40839	96.3				
sulfate	5	5.08023	102	25	24.1865	96.7				

(1) Control Limits: 90-110

A.P.P.L. INC.
3
BLANKS

Lab Name: A.P.P.L. INC. Contract: Air Toxics Ltd.

ARF No.: 59752 SDG: 59752

Preparation Blank Matrix (soil/water): water

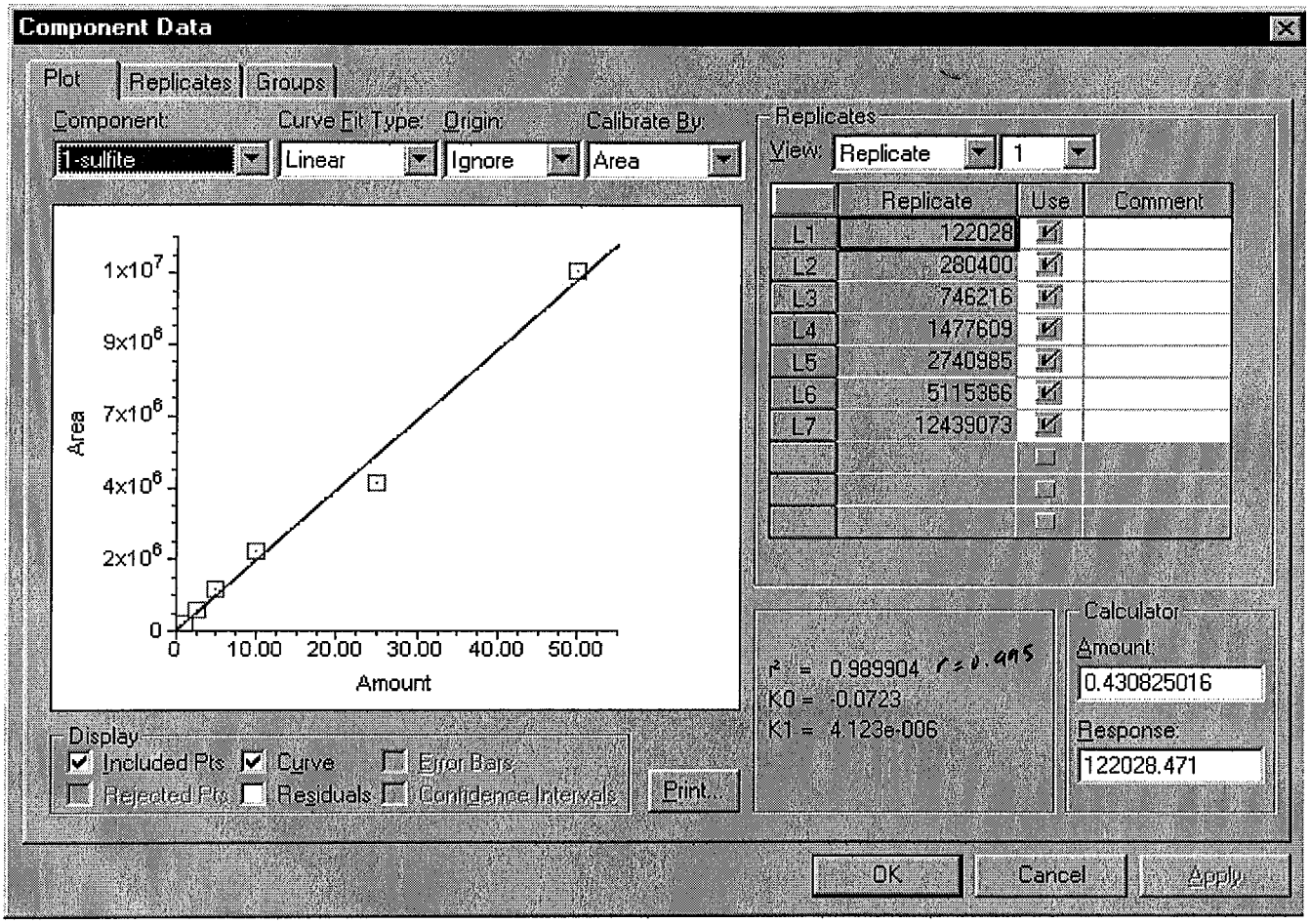
Preparation Blank Concentration Units (ug/L or mg/kg): mg/L

Analyte	Calibration Blanks										M
	ICB 09/08/09 20:25	C	CCB 09/08/09 21:15	C		C		C		C	
fluoride	1.000	U	1.000	U							
sulfate	5.000	U	5.000	U							

INORGANIC ANALYSES
AUTO CALIBRATION

Analytical Method: 300/9056
Lab Name: APPL, Inc.
Instrument ID: Dionex
Autocal ID: 090825A
Concentration Units (mg/L or mg/kg): mg/L

	1	2	3	4	5	6	7
Analyte	Autocal 12:26	Autocal 12:41	Autocal 12:57	Autocal 13:12	Autocal 13:28	Autocal 13:43	Autocal 13:59
Sulfite	122028	280400	746216	1477609	2740985	5115366	12439073


Component Data
Plot
Replicates
Groups
Component:
1-sulfite
Curve Fit Type:
Linear
Origin:
Ignore
Calibrate By:
Area
1x10^7
9x10^6
7x10^6
4x10^6
2x10^6
0
Area
0
10.00
20.00
30.00
40.00
50.00
Amount
Replicates
View:
Replicate
1
Replicate
Use
Comment
L1 122028
L2 280400
L3 746216
L4 1477609
L5 2740985
L6 5115366
L7 12439073
r² = 0.989904 r=0.995
K0 = -0.0723
K1 = 4.123e-006
Calculator
Amount:
0.430825016
Response:
122028.471
Display
Included Pts
Curve
Error Bars
Rejected Pts
Residuals
Confidence Intervals
Print...
OK
Cancel
Apply

A.P.P.L. INC.
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC. Contract: Air Toxics

ARF No.: 59752 SDG: 59752

Initial Calibration Source: Mallinkrodt

Continuing Calibration Source: J.T. Baker

Analysis Date: 8/25/2009 Concentration Units: mg/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found 15:28	%R(1)	True	Found 16:24	%R(1)	Found	%R(1)	
Sulfite	25.0	22.9153	91.7	25.00	23.7365	94.9			P

(1) Control Limits: Wetlab 90-110

FORM II (PART 1) - IN ILM02.0

A.P.P.L. INC.
3
BLANKS

Lab Name: A.P.P.L. INC. Contract:

ARF No.: 59752 SDG: 59752

Preparation Blank Matrix (soil/water): water

Preparation Blank Concentration Units (mg/L or mg/kg): mg/L

Analysis Date: 8/25/09

Analyte	Initial Calib. Blank (ug/L) 15:12	C	Continuing Calibration Blank (ug/L) 1 16:09	C	2	C	3	C	Prepa-ration Blank	C	M	
Sulfite	5.0	U	5.0	U								P

A.P.P.L. INC.
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC. Contract: Air Toxics Ltd.
ARF No: 59752 SDG: 59752
Initial Calibration Source: CPI
Continuing Calibration Source: Environmental Express
Analysis Date: 9/14/2009

Analyte	Calibration Verification									M
	True CCV1	Found 10:56	%R(1)	True CCV1	Found 15:36	%R(1)	True CCV1	Found 18:57	%R(1)	
fluoride	2.5	2.49404	99.8	2.5	2.43610	97.4	2.5	2.41772	96.7	
sulfate	25	26.3359	105	25	25.5540	102	25	25.6503	103	

(1) Control Limits: 90-110

A.P.P.L. INC.
3
BLANKS

Lab Name: A.P.P.L. INC. Contract: Air Toxics Ltd.

ARF No.: 59752 SDG: 59752

Preparation Blank Matrix (soil/water): water

Preparation Blank Concentration Units (ug/L or mg/kg): mg/L

Analyte	Calibration Blanks										M
	CCB 09/14/09 11:45	C	CCB 09/14/09 15:20	C	CCB 09/14/09 19:14	C		C		C	
fluoride	1.000	U	1.000	U	1.000	U					
sulfate	5.000	U	5.000	U	5.000	U					

A.P.P.L. INC.
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC. Contract: Air Toxics LTD

ARF No.: 59752 SDG: 59752

Initial Calibration Source: Mallinckodt

Continuing Calibration Source: J.T baker

Analysis Date: 9/14/09 Concentration Units: mg/L

Analyte	Calibration Verification								
	True CCV1	Found 11:13	%R(1)	True CCV1	Found 15:05	%R(1)	Found 17:14	%R(1)	M
Sulfite	25.0	24.1381	96.6	25.00	23.6075	94.4	23.349	93.4	P

(1) Control Limits: Wetlab 90-110

FORM II (PART 1) - IN ILM02.0

A.P.P.L. INC.
3
BLANKS

Lab Name: A.P.P.L. INC. Contract: Air Toxics LTD

ARF No.: 59752 SDG: 59752

Preparation Blank Matrix (water): water

Preparation Blank Concentration Units : mg/L

Analysis Date: 9/14/09 Concentration Units: mg/L

			Continuing Calibration Blank (mg/L)						
	CCB		**CCB**		**CCB**		**CCB**		**CCB**
Analyte	2 09/14/09 11:45	C	2 09/14/09 15:20	C	2 09/14/09 19:14	C	2	C	2
Sulfite	5.0	U	5.0	U	5.0	U			

A.P.P.L. INC.
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC. Contract: Air Toxics Ltd.
ARF No: 59752 SDG: 59752
Initial Calibration Source: CPI
Continuing Calibration Source: Environmental Express
Analysis Date: 09/15/09

Analyte	Calibration Verification									M
	True CCV1	Found 8:23	%R(1)	True CCV1	Found 13:25	%R(1)	True CCV1	Found 16:46	%R(1)	
fluoride	2.5	2.52464	101	2.5	2.45650	98.3	2.5	2.41979	96.8	
sulfate	25	26.0364	104	25	25.8862	104	25	25.6171	102	

(1) Control Limits: 90-110

ILM02.0

A.P.P.L. INC.
3
BLANKS

Lab Name: A.P.P.L. INC. Contract: Air Toxics Ltd.

ARF No.: 59752 SDG: 59752

Preparation Blank Matrix (soil/water): water

Preparation Blank Concentration Units (ug/L or mg/kg): mg/L

Analyte	Calibration Blanks										M
	CCB 09/15/09 09:27	C	CCB 09/15/09 13:42	C	CCB 09/15/09 17:03	C		C		C	
fluoride	1.000	U	1.000	U	1.000	U					
sulfate	5.000	U	5.000	U	5.000	U					

A.P.P.L. INC.
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC. Contract: Air Toxics LTD

ARF No.: 59752 SDG: 59752

Initial Calibration Source: Mallinckodt

Continuing Calibration Source: J.T baker

Analysis Date: 9/15/09 Concentration Units: mg/L

Analyte	Calibration Verification								
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
	CCV1	8:54		**CCV1**	14:05		16:30		
Sulfite	25.0	23.9127	95.7	25.00	23.0777	92.3	23.7099	94.8	P

(1) Control Limits: Wetlab 90-110

A.P.P.L. INC.
3
BLANKS

Lab Name: A.P.P.L. INC. Contract: Air Toxics LTD

ARF No.: 59752 SDG: 59752

Preparation Blank Matrix (water): water

Preparation Blank Concentration Units : mg/L

Analysis Date: 9/15/09 Concentration Units: mg/L

			Continuing Calibration Blank (mg/L)						
	CCB		**CCB**		**CCB**		**CCB**		**CCB**
Analyte	2 09/15/09 9:27	C	2 09/15/09 13:42	C	2 09/15/09 17:03	C	2	C	2
Sulfite	5.0	U	5.0	U	5.0	U			

A.P.P.L. INC.
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC. Contract: Air Toxics Ltd.
ARF No: 59752 SDG: 59752
Initial Calibration Source: CPI
Continuing Calibration Source: Environmental Express
Analysis Date: 9/16/2009

Analyte	Calibration Verification									M
	True CCV1	Found 8:51	%R(1)	True CCV1	Found 13:23	%R(1)	True CCV1	Found 16:21	%R(1)	
fluoride	2.5	2.47351	98.9	2.5	2.36826	94.7	2.5	2.37448	95.0	
sulfate	25	25.4618	102	25	25.3512	101	25	25.4954	102	

(1) Control Limits: 90-110

A.P.P.L. INC.
3
BLANKS

Lab Name: A.P.P.L. INC. Contract: Air Toxics Ltd.

ARF No.: 59752 SDG: 59752

Preparation Blank Matrix (soil/water): water

Preparation Blank Concentration Units (ug/L or mg/kg): mg/L

Analyte	Calibration Blanks										M
	CCB 09/16/09 09:39	C	CCB 09/16/09 14:23	C	CCB 09/16/09 17:14	C		C		C	
fluoride	1.000	U	1.000	U	1.000	U					
sulfate	5.000	U	5.000	U	5.000	U					

A.P.P.L. INC.
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC. Contract: Air Toxics LTD

ARF No.: 59752 SDG: 59752

Initial Calibration Source: Mallinckodt

Continuing Calibration Source: J.T baker

Analysis Date: 9/16/09 Concentration Units: mg/L

Analyte	Calibration Verification								
	True **CCV1**	Found 9:08	%R(1)	True **CCV1**	Found 14:07	%R(1)	Found 16:41	%R(1)	M
Sulfite	25.0	23.7548	95.0	25.00	22.849	91.4	22.8673	91.5	P

(1) Control Limits: Wetlab 90-110

FORM II (PART 1) - IN ILM02.0

A.P.P.L. INC.
3
BLANKS

Lab Name: A.P.P.L. INC. Contract: Air Toxics LTD

ARF No.: 59752 SDG: 59752

Preparation Blank Matrix (water): water

Preparation Blank Concentration Units : mg/L

Analysis Date: 9/16/09 Concentration Units: mg/L

			Continuing Calibration Blank (mg/L)						
	CCB		**CCB**		**CCB**		**CCB**		**CCB**
Analyte	2 09/16/09 9:39	C	2 09/16/09 14:23	C	2 09/16/09 17:14	C	2	C	2
Sulfite	5.0	U	5.0	U	5.0	U			

A.P.P.L. INC.
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC. Contract: Air Toxics Ltd.
ARF No: 59752 SDG: 59752
Initial Calibration Source: CPI
Continuing Calibration Source: Environmental Express
Analysis Date: 9/17/2009

Analyte	Calibration Verification									M
	True CCV1	Found 9:22	%R(1)	True CCV1	Found 13:20	%R(1)	True	Found	%R(1)	
fluoride	2.5	2.41116	96.4	2.5	2.38457	95.4				
sulfate	25	25.4141	102	25	25.6099	102				

(1) Control Limits: 90-110

ILM02.0

A.P.P.L. INC.
3
BLANKS

Lab Name: A.P.P.L. INC. Contract: Air Toxics Ltd.

ARF No.: 59752 SDG: 59752

Preparation Blank Matrix (soil/water): water

Preparation Blank Concentration Units (ug/L or mg/kg): mg/L

Analyte	Calibration Blanks										M
	CCB 09/17/09 10:11	C	CCB 09/17/09 14:16	C		C		C		C	
fluoride	1.000	U	1.000	U							
sulfate	5.000	U	5.000	U							

A.P.P.L. INC.
2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC. Contract: Air Toxics LTD

ARF No.: 59752 SDG: 59752

Initial Calibration Source: Mallinckodt

Continuing Calibration Source: J.T baker

Analysis Date: 9/17/09 Concentration Units: mg/L

Analyte	Calibration Verification								M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
	CCV1	8:56		**CCV1**	14:00				
Sulfite	25.0	22.842	91.4	25.00	22.698	90.8			P

(1) Control Limits: Wetlab 90-110

FORM II (PART 1) - IN ILM02.0

A.P.P.L. INC.
3
BLANKS

Lab Name: A.P.P.L. INC. Contract: Air Toxics LTD

ARF No.: 59752 SDG: 59752

Preparation Blank Matrix (water): water

Preparation Blank Concentration Units : mg/L

Analysis Date: 9/17/09 Concentration Units: mg/L

			Continuing Calibration Blank (mg/L)						
	CCB		**CCB**		**CCB**		**CCB**		**CCB**
Analyte	2 09/17/09 10:11	C	2 09/17/09 14:16	C	2	C	2	C	2
Sulfite	5.0	U	5.0	U					

Calibration Update Report

Sample Name : 090908AICAL#1
Data File Name : i:\dionex\d1anions\data\090908a\090908a_022.DXD

Method File Name : ...\EPA300 09-08-09Low.met
Schedule File Name : ...\090908a.sch
Date Time Collected : 9/8/09 17:54:25

Calibration Date : 9/9/09 08:40:09
System Operator : pd
Injection Number : 22

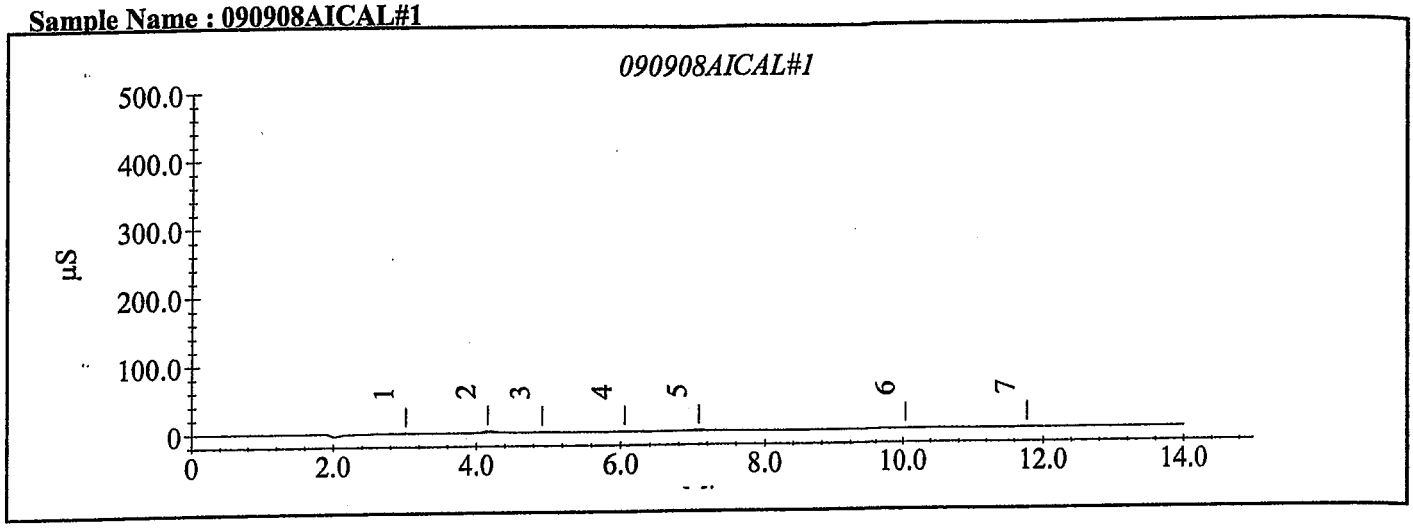
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	3.01	fluoride	28438	28438	28438
2	4.16	chloride	246547	246547	246547
3	4.92	nitrite-n	42518	42518	42518
4	6.05	bromide	45012	45012	45012
5	7.08	nitrate-n	105973	105973	105973
6	10.04	phosphate-p	33052	33052	33052
7	11.77	sulfate	173242	173242	173242

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	3.01	fluoride	0.05	28438	3439	-
2	4.16	chloride	0.50	246547	22623	-
3	4.92	nitrite-n	0.05	42518	3619	-
4	6.05	bromide	0.25	45012	3316	-
5	7.08	nitrate-n	0.10	105973	6211	-
6	10.04	phosphate-p	0.10	33052	1692	-
7	11.77	sulfate	0.50	173242	6135	-

Sample Name : 090908AICAL#1



Calibration Update Report

Sample Name : 090908AICAL#2
Data File Name : i:\dionex\d1anions\data\090908a\090908a_023.DXD

Method File Name : ...\EPA300 09-08-09Low.met
Schedule File Name : ...\090908a.sch
Date Time Collected : 9/8/09 18:11:13

Calibration Date : 9/9/09 08:40:27
System Operator : pd
Injection Number : 23

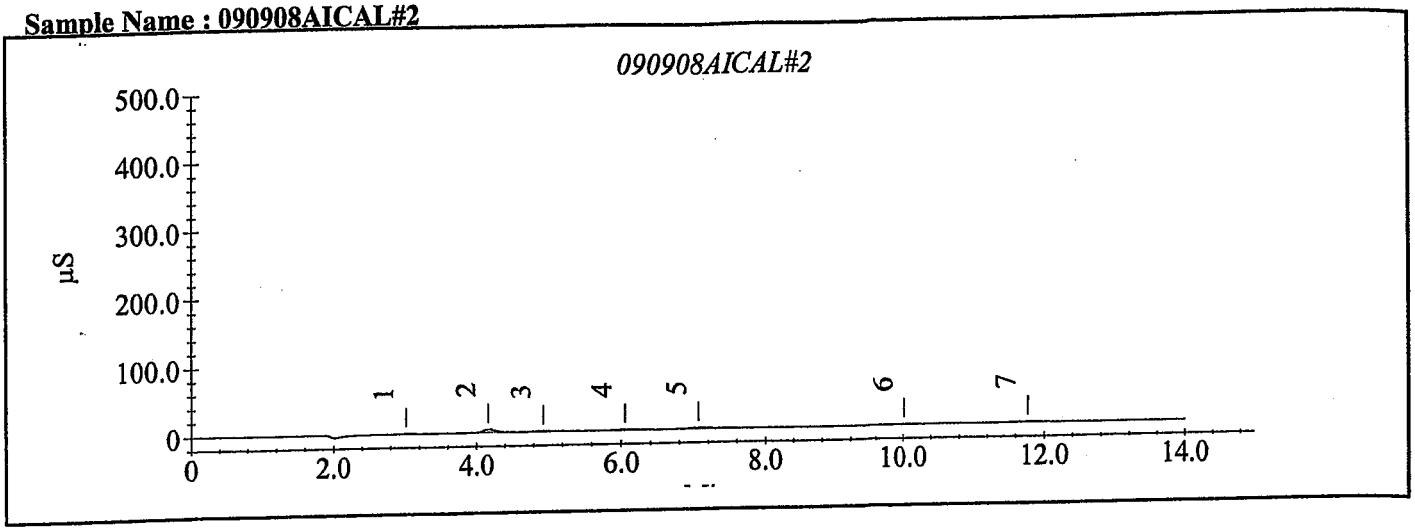
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	3.01	fluoride	69156	69156	69156
2	4.16	chloride	501257	501257	501257
3	4.93	nitrite-n	102683	102683	102683
4	6.05	bromide	102949	102949	102949
5	7.07	nitrate-n	243976	243976	243976
6	10.01	phosphate-p	121531	121531	121531
7	11.77	sulfate	363657	363657	363657

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	3.01	fluoride	0.10	69156	7279	
2	4.16	chloride	1.00	501257	45458	
3	4.93	nitrite-n	0.10	102683	7856	
4	6.05	bromide	0.50	102949	6839	
5	7.07	nitrate-n	0.20	243976	13327	
6	10.01	phosphate-p	0.20	121531	4451	
7	11.77	sulfate	1.00	363657	12372	

Sample Name : 090908AICAL#2



Calibration Update Report

Sample Name : 090908AICAL#3
Data File Name : i:\dionex\d1anions\data\090908a\090908a_024.DXD

Method File Name : ...\EPA300 09-08-09Low.met
Schedule File Name : ...\090908a.sch
Date Time Collected : 9/8/09 18:28:01

Calibration Date : 9/9/09 08:40:46
System Operator : pd
Injection Number : 24

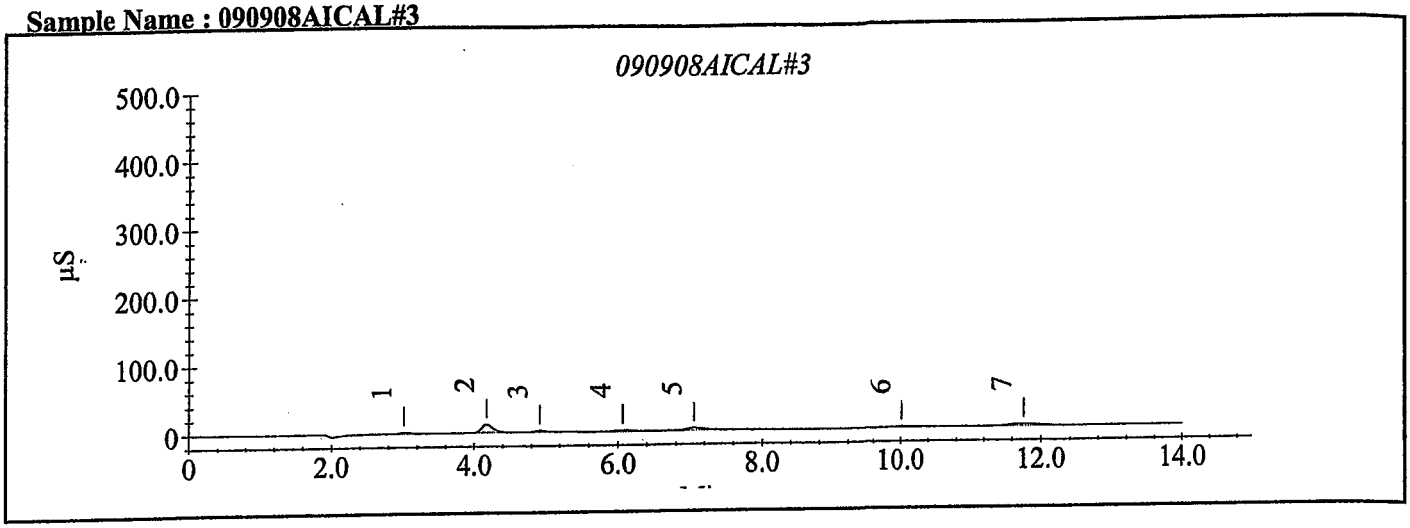
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	3.01	fluoride	190239	190239	190239
2	4.17	chloride	1295269	1295269	1295269
3	4.92	nitrite-n	260272	260272	260272
4	6.07	bromide	273884	273884	273884
5	7.05	nitrate-n	622876	622876	622876
6	10.01	phosphate-p	342763	342763	342763
7	11.76	sulfate	924119	924119	924119

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	3.01	fluoride	0.25	190239	19055	
2	4.17	chloride	2.50	1295269	118758	
3	4.92	nitrite-n	0.25	260272	19528	
4	6.07	bromide	1.25	273884	17661	
5	7.05	nitrate-n	0.50	622876	33635	
6	10.01	phosphate-p	0.50	342763	11278	
7	11.76	sulfate	2.50	924119	30704	

Sample Name : 090908AICAL#3



Calibration Update Report

Sample Name : 090908AICAL#4
Data File Name : i:\dionex\d1anions\data\090908a\090908a_025.DXD

Method File Name : ...\EPA300 09-08-09Low.met
Schedule File Name : ...\090908a.sch
Date Time Collected : 9/8/09 18:44:49

Calibration Date : 9/9/09 08:41:04
System Operator : pd
Injection Number : 25

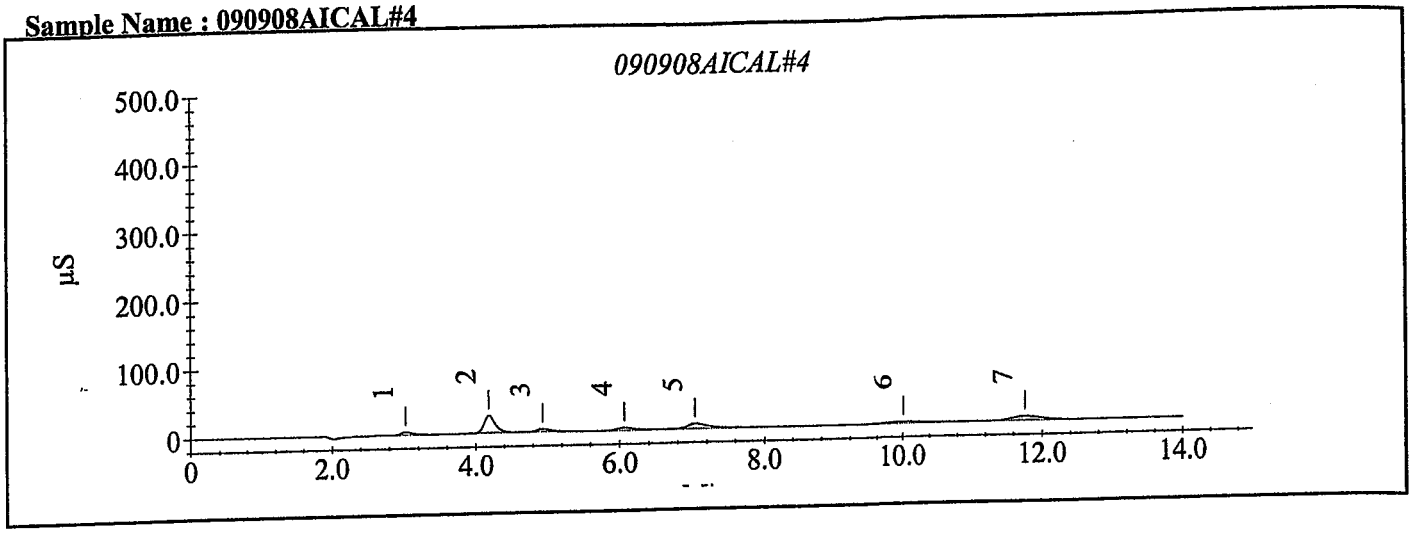
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	3.03	fluoride	388210	388210	388210
2	4.17	chloride	2697634	2697634	2697634
3	4.93	nitrite-n	546394	546394	546394
4	6.07	bromide	565311	565311	565311
5	7.04	nitrate-n	1299803	1299803	1299803
6	10.01	phosphate-p	684255	684255	684255
7	11.76	sulfate	1967144	1967144	1967144

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	3.03	fluoride	0.50	388210	39199	
2	4.17	chloride	5.00	2697634	248579	
3	4.93	nitrite-n	0.50	546394	40718	
4	6.07	bromide	2.50	565311	36166	
5	7.04	nitrate-n	1.00	1299803	68625	
6	10.01	phosphate-p	1.00	684255	21291	
7	11.76	sulfate	5.00	1967144	63329	

Sample Name : 090908AICAL#4



Calibration Update Report

Sample Name : 090908AICAL#5
Data File Name : i:\dionex\d1anions\data\090908a\090908a_026.DXD

Method File Name : ...\EPA300 09-08-09Low.met
Schedule File Name : ...\090908a.sch
Date Time Collected : 9/8/09 19:01:38

Calibration Date : 9/9/09 08:41:22
System Operator : pd
Injection Number : 26

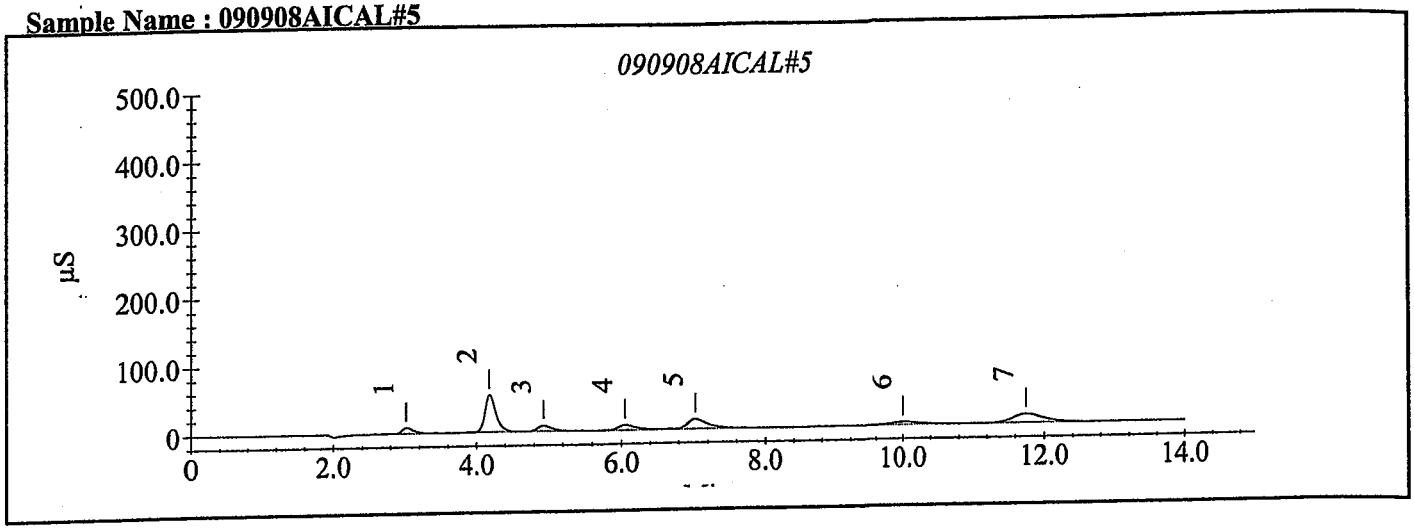
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	3.01	fluoride	864317	864317	864317
2	4.17	chloride	5731165	5731165	5731165
3	4.93	nitrite-n	1112945	1112945	1112945
4	6.05	bromide	1161147	1161147	1161147
5	7.03	nitrate-n	2638755	2638755	2638755
6	10.00	phosphate-p	1254912	1254912	1254912
7	11.75	sulfate	4035017	4035017	4035017

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	3.01	fluoride	1.00	864317	82552	
2	4.17	chloride	10.00	5731165	537914	
3	4.93	nitrite-n	1.00	1112945	83091	
4	6.05	bromide	5.00	1161147	74707	
5	7.03	nitrate-n	2.00	2638755	141150	
6	10.00	phosphate-p	2.00	1254912	40666	
7	11.75	sulfate	10.00	4035017	130277	

Sample Name : 090908AICAL#5



Calibration Update Report

Sample Name : 090908AICAL#6
Data File Name : i:\dionex\d1anions\data\090908a\090908a_027.DXD

Method File Name : ...\EPA300 09-08-09Low.met
Schedule File Name : ...\090908a.sch
Date Time Collected : 9/8/09 19:18:25

Calibration Date : 9/9/09 08:41:40
System Operator : pd
Injection Number : 27

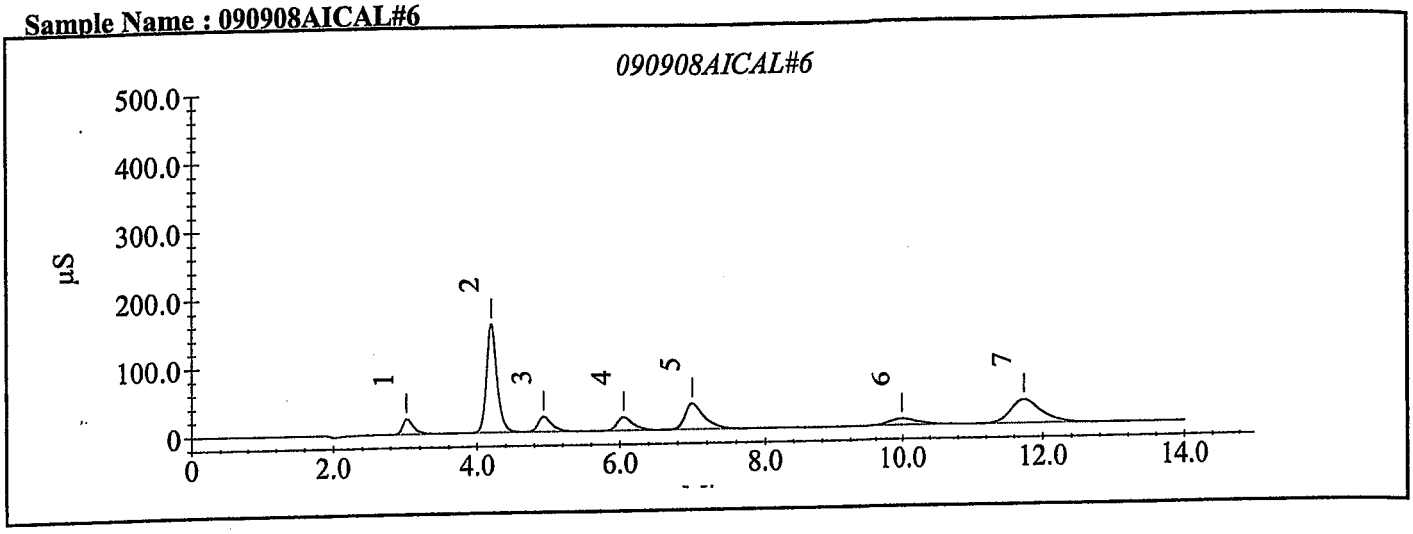
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	3.01	fluoride	2309204	2309204	2309204
2	4.20	chloride	16243201	16243201	16243201
3	4.93	nitrite-n	2948542	2948542	2948542
4	6.05	bromide	3003978	3003978	3003978
5	7.00	nitrate-n	6978892	6978892	6978892
6	9.99	phosphate-p	2855227	2855227	2855227
7	11.73	sulfate	10561080	10561080	10561080

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	3.01	fluoride	2.50	2309204	218785	
2	4.20	chloride	25.00	16243201	1589057	
3	4.93	nitrite-n	2.50	2948542	219699	
4	6.05	bromide	12.50	3003978	196981	
5	7.00	nitrate-n	5.00	6978892	378883	
6	9.99	phosphate-p	5.00	2855227	96405	
7	11.73	sulfate	25.00	10561080	346627	

Sample Name : 090908AICAL#6



Calibration Update Report

Sample Name : 090908AICAL#7
Data File Name : i:\dionex\d1anions\data\090908a\090908a_029.DXD

Method File Name : ...\EPA300 09-08-09Low.met
Schedule File Name : ...\090908a.sch
Date Time Collected : 9/8/09 19:51:49

Calibration Date : 9/9/09 08:42:04
System Operator : pd
Injection Number : 29

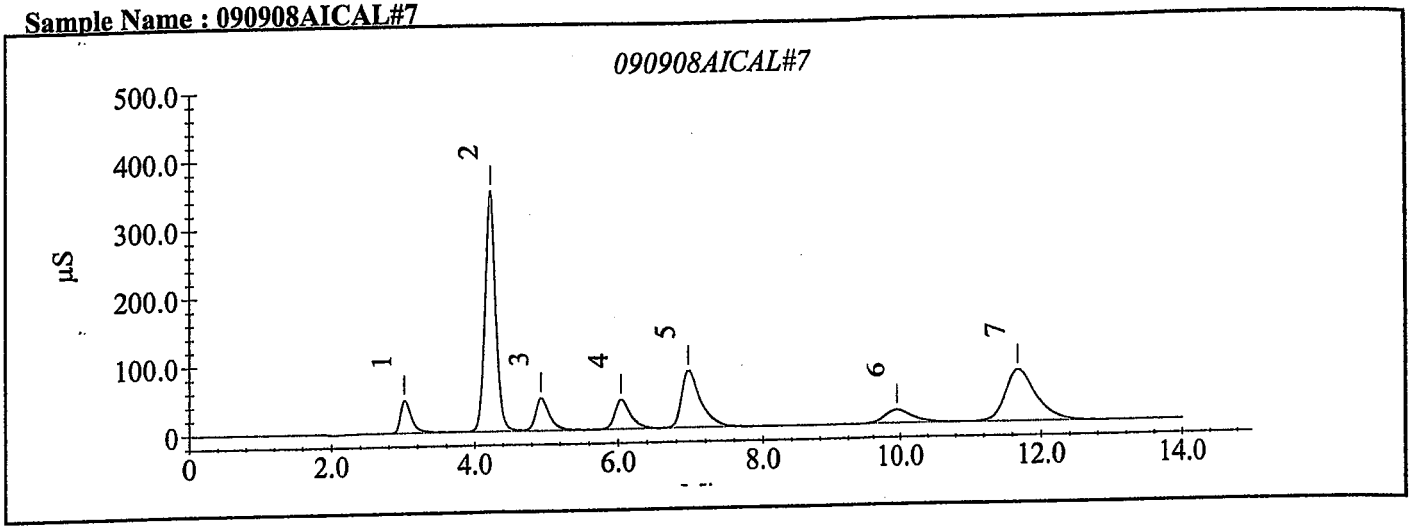
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	3.01	fluoride	4998179	4998179	4998179
2	4.23	chloride	36391458	36391458	36391458
3	4.93	nitrite-n	6316140	6316140	6316140
4	6.04	bromide	6433776	6433776	6433776
5	6.96	nitrate-n	15166497	15166497	15166497
6	9.95	phosphate-p	5509121	5509121	5509121
7	11.67	sulfate	22604372	22604372	22604372

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	3.01	fluoride	5.00	4998179	463194	
2	4.23	chloride	50.00	36391458	3514825	
3	4.93	nitrite-n	5.00	6316140	467742	
4	6.04	bromide	25.00	6433776	426066	
5	6.96	nitrate-n	10.00	15166497	826843	
6	9.95	phosphate-p	10.00	5509121	193651	
7	11.67	sulfate	50.00	22604372	749919	

Sample Name : 090908AICAL#7



Sample Analysis Report

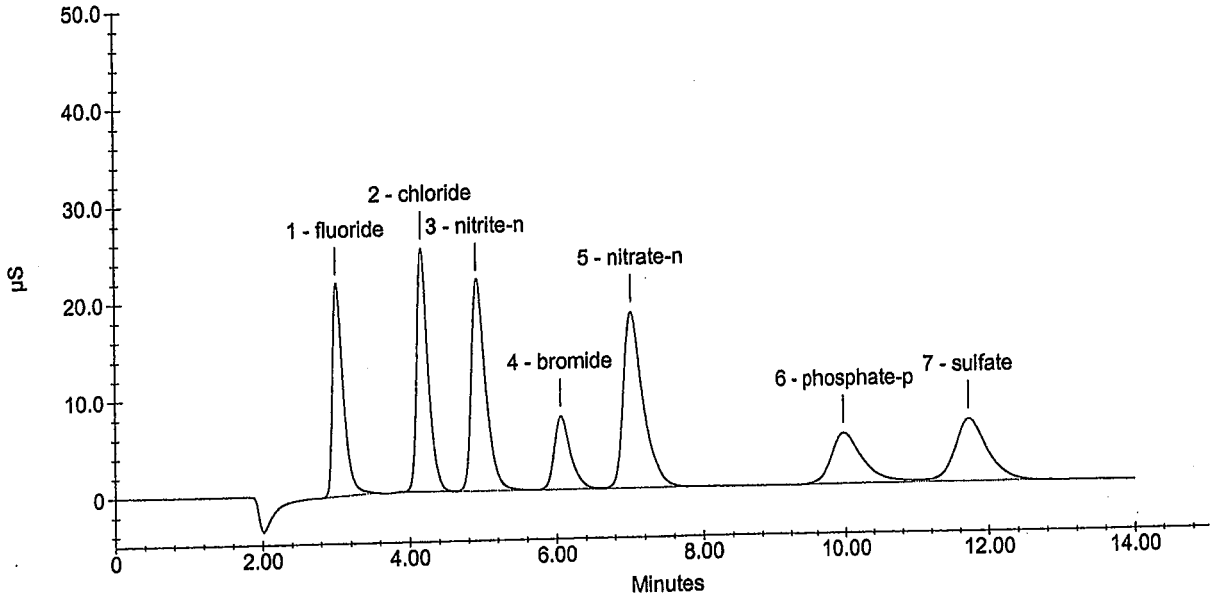
Sample Name : 090908A ICV
Data File Name : i:\dionex\d1anions\data\090908a\090908a_030.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/8/09 20:08:37
System Operator : pd
Injection Number : 30
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.01	fluoride	2.3052	2229881	217002	
2	4.17	chloride	4.7447	2671377	249282	
3	4.92	nitrite-n	2.3770	2926213	215883	
4	6.05	bromide	4.7391	1146877	74601	
5	7.03	nitrate-n	2.3412	3342766	180330	
6	9.97	phosphate-p	2.7480	1577178	51802	
7	11.72	sulfate	5.0802	2027657	64075	

090908A ICV



Sample Analysis Report

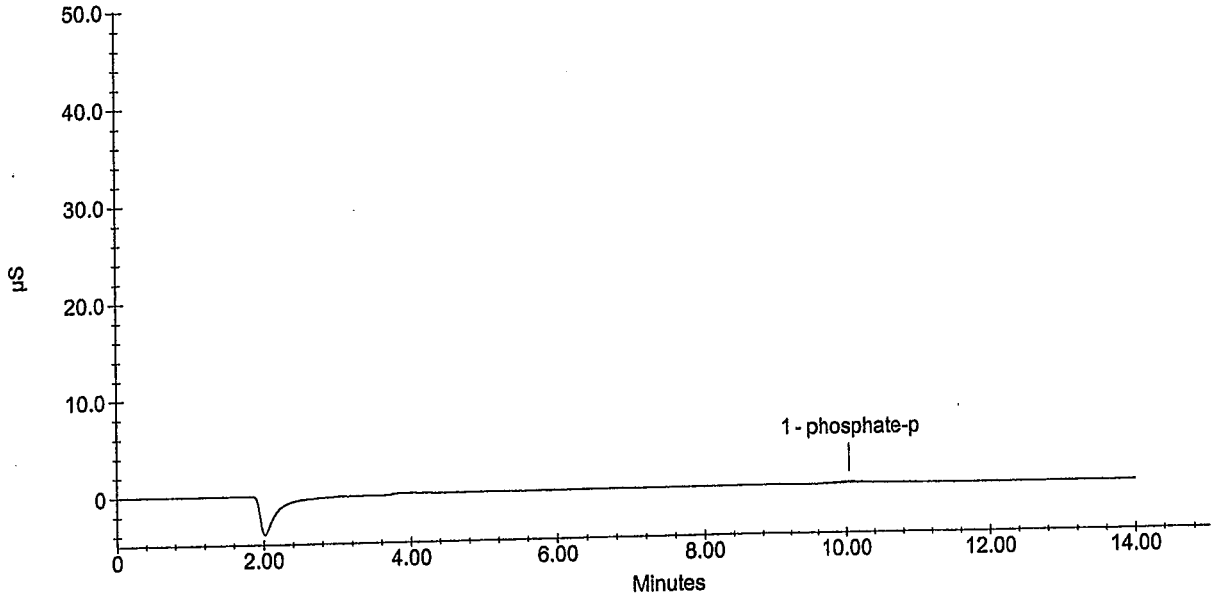
Sample Name : 090908A ICB
Data File Name : i:\dionex\d1anions\data\090908a\090908a_031.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/8/09 20:25:24
System Operator : pd
Injection Number : 31
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.04	phosphate-p	-0.0856	21942	1103	-

090908A ICB



Sample Analysis Report

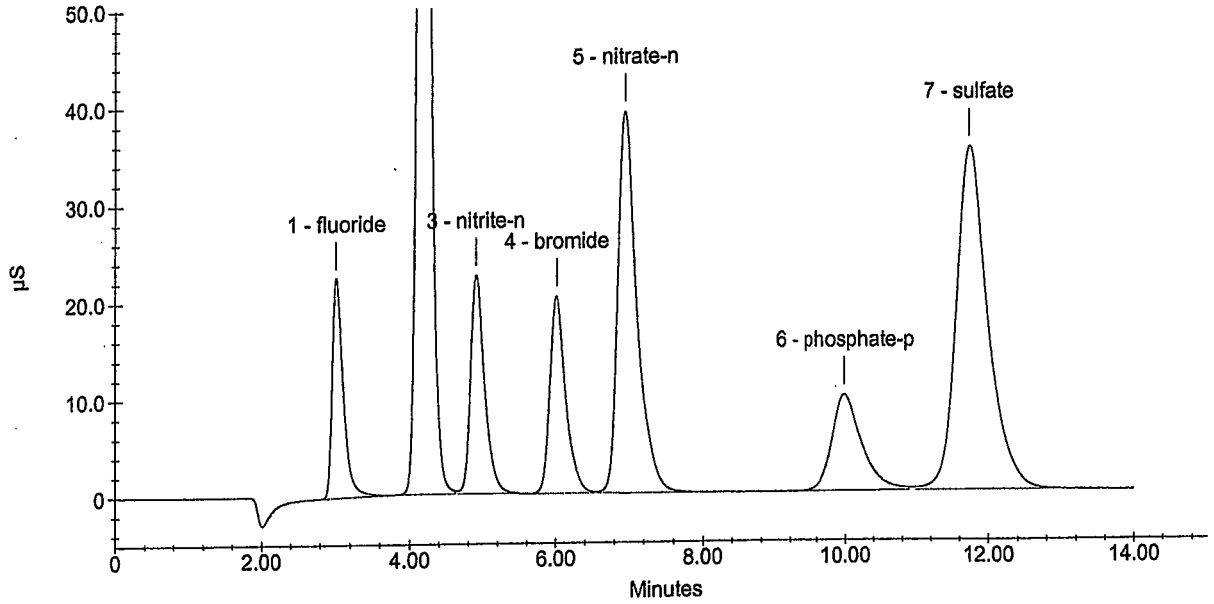
Sample Name : 090908A CCV
Data File Name : i:\dionex\d1anions\data\090908a\090908a_033.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/8/09 20:58:48
System Operator : pd
Injection Number : 33
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.01	fluoride	2.4084	2333418	224528	
2	4.19	chloride	23.5976	16443979	1628793	
3	4.91	nitrite-n	2.4024	2958365	223777	
4	6.01	bromide	12.0728	3034050	202619	
5	6.95	nitrate-n	4.7967	7066585	391098	
6	9.99	phosphate-p	5.1090	2872987	98653	
7	11.73	sulfate	24.1865	10670531	351910	

090908A CCV



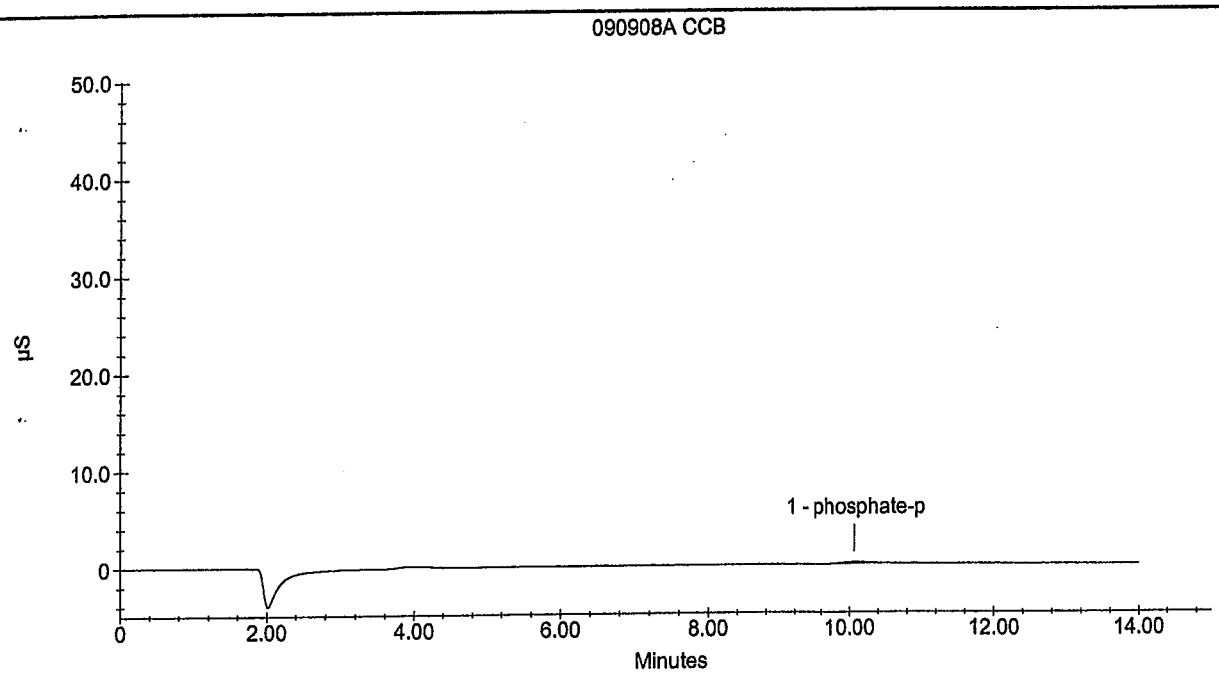
Sample Analysis Report

Sample Name : 090908A CCB
Data File Name : i:\dionex\d1anions\data\090908a\090908a_034.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/8/09 21:15:37
System Operator : pd
Injection Number : 34
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.07	phosphate-p	-0.0618	34999	1461	-



Calibration Update Report

Sample Name : sulfite090825AICAL#1
Data File Name : i:\dionex\d1anions\data\090825a\090825a_012.DXD

Method File Name : ...\EPAsufite 08-25-09Low.met
Schedule File Name : ...\090825a.sch
Date Time Collected : 8/25/09 12:26:03

Calibration Date : 8/26/09 12:48:29
System Operator : PD
Injection Number : 12

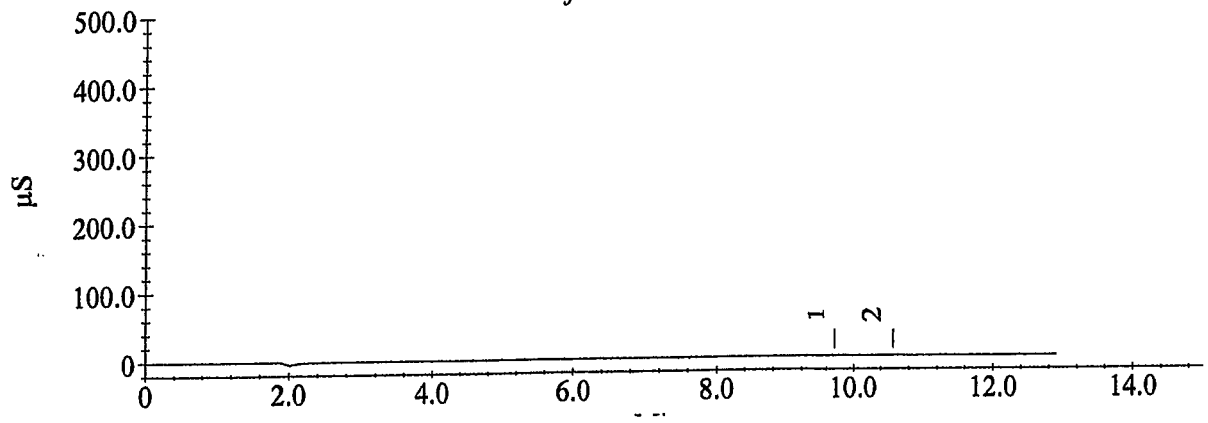
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	9.73	sulfite	122028	122028	122028

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	9.73	sulfite	0.50	122028	5825	-

sulfite090825AICAL#1



Calibration Update Report

Sample Name : sulfite090825AICAL#2
Data File Name : i:\dionex\d1anions\data\090825a\090825a_013.DXD

Method File Name : ...\EPAsufite 08-25-09Low.met
Schedule File Name : ...\090825a.sch
Date Time Collected : 8/25/09 12:41:36

Calibration Date : 8/26/09 12:48:41
System Operator : PD
Injection Number : 13

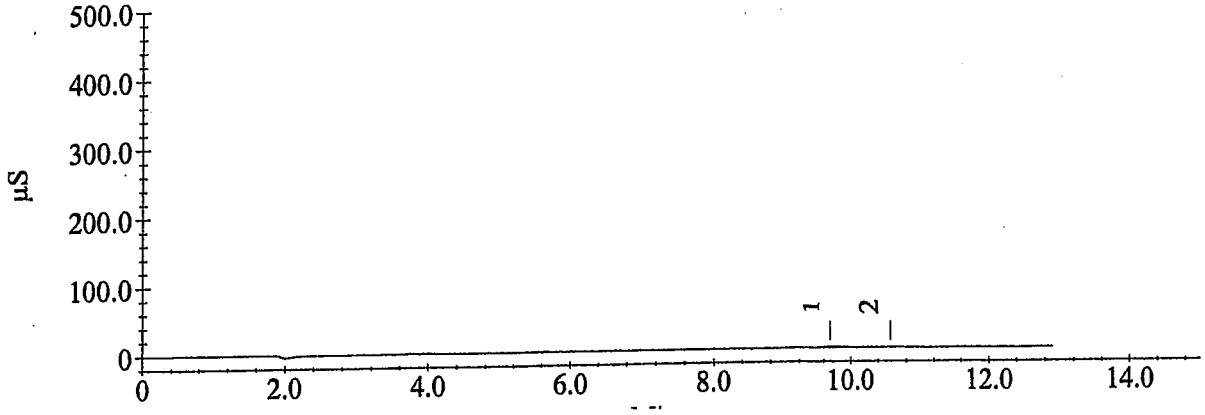
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	9.71	sulfite	280400	280400	280400

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	9.71	sulfite	1.00	280400	12606	

sulfite090825AICAL#2



Calibration Update Report

Sample Name : sulfite090825AICAL#3
Data File Name : i:\dionex\d1anions\data\090825a\090825a_014.DXD

Method File Name : ...\EPAsufite 08-25-09Low.met
Schedule File Name : ...\090825a.sch
Date Time Collected : 8/25/09 12:57:10

Calibration Date : 8/26/09 12:48:48
System Operator : PD
Injection Number : 14

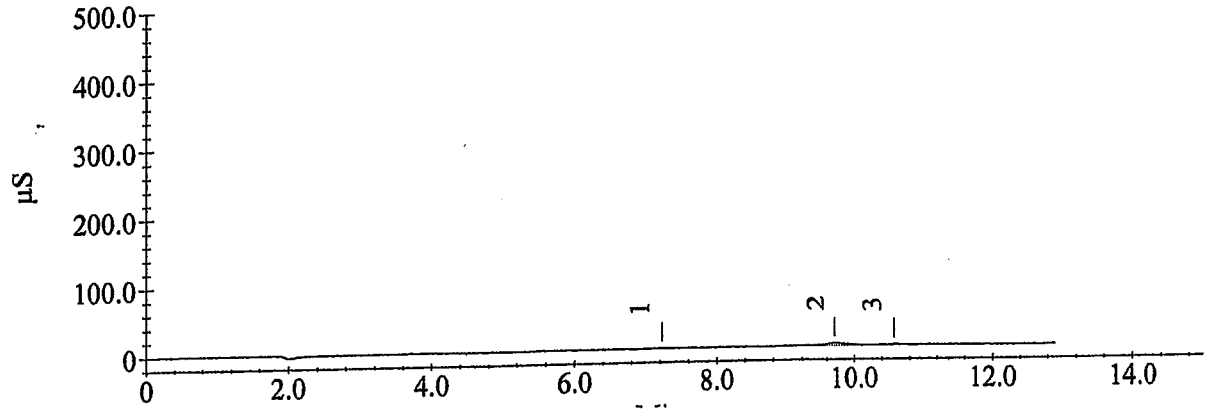
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
2	9.72	sulfite	746216	746216	746216

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
2	9.72	sulfite	2.50	746216	33264	

sulfite090825AICAL#3



Calibration Update Report

Sample Name : sulfite090825AICAL#4
Data File Name : i:\dionex\d1anions\data\090825a\090825a_015.DXD

Method File Name : ...\EPAsufite 08-25-09Low.met
Schedule File Name : ...\090825a.sch
Date Time Collected : 8/25/09 13:12:41

Calibration Date : 8/26/09 12:48:55
System Operator : PD
Injection Number : 15

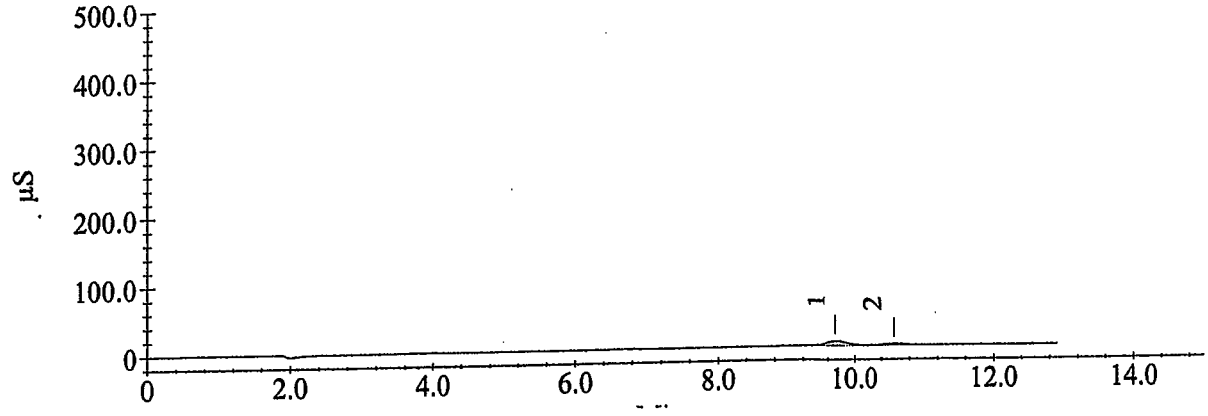
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	9.72	sulfite	1477609	1477609	1477609

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	9.72	sulfite	5.00	1477609	64681	

sulfite090825AICAL#4



Calibration Update Report

Sample Name : sulfite090825AICAL#5
Data File Name : i:\dionex\d1anions\data\090825a\090825a_016.DXD

Method File Name : ...\EPAsufite 08-25-09Low.met
Schedule File Name : ...\090825a.sch
Date Time Collected : 8/25/09 13:28:16

Calibration Date : 8/26/09 12:49:02
System Operator : PD
Injection Number : 16

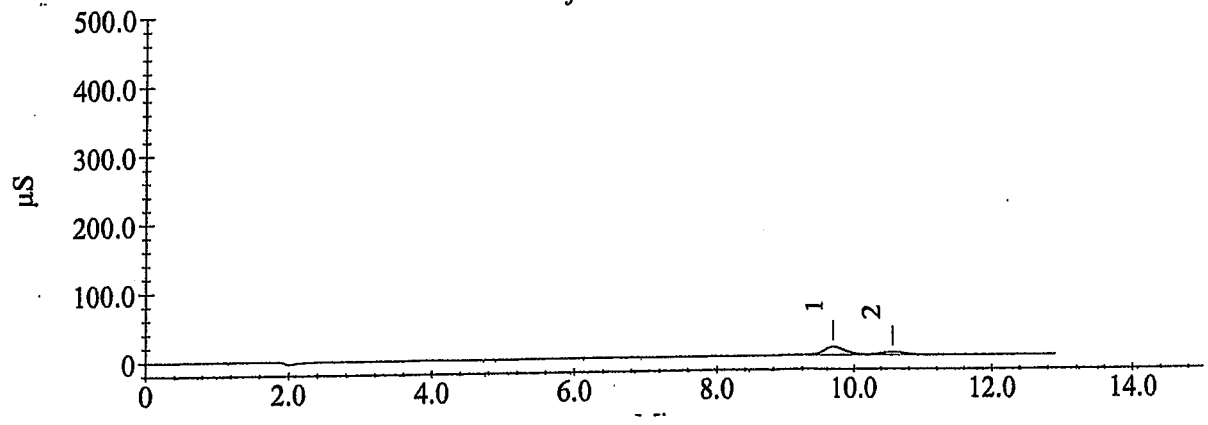
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	9.69	sulfite	2740985	2740985	2740985

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	9.69	sulfite	10.00	2740985	120876	

sulfite090825AICAL#5



Calibration Update Report

Sample Name : sulfite090825AICAL#6
Data File Name : i:\dionex\d1anions\data\090825a\090825a_017.DXD

Method File Name : ...\EPAsufite 08-25-09Low.met
Schedule File Name : ...\090825a.sch
Date Time Collected : 8/25/09 13:43:47

Calibration Date : 8/26/09 12:49:08
System Operator : PD
Injection Number : 17

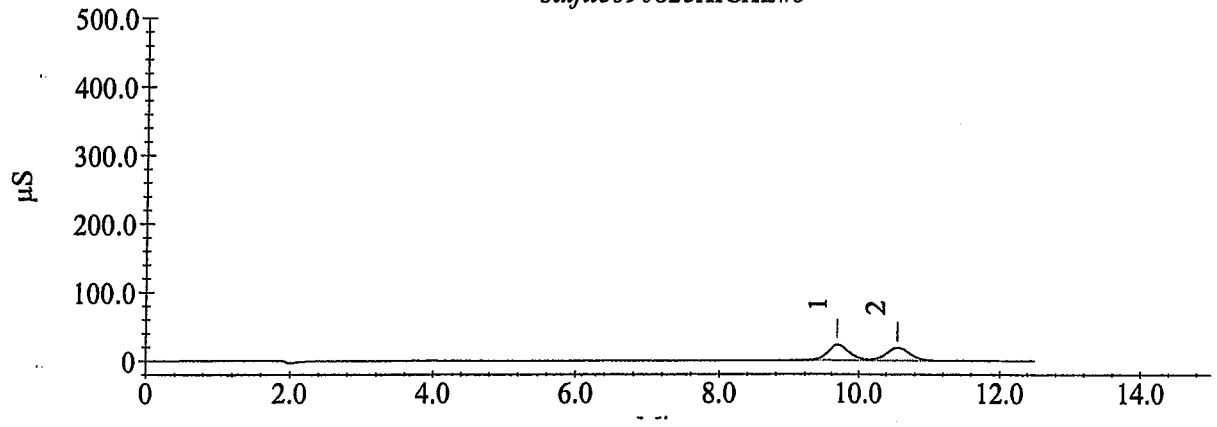
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	9.69	sulfite	5115366	5115366	5115366

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	9.69	sulfite	25.00	5115366	230916	

sulfite090825AICAL#6



Calibration Update Report

Sample Name : sulfite090825AICAL#7
Data File Name : i:\dionex\d1anions\data\090825a\090825a_018.DXD

Method File Name : ...\EPAsufite 08-25-09Low.met
Schedule File Name : ...\090825a.sch
Date Time Collected : 8/25/09 13:59:08

Calibration Date : 8/26/09 12:49:14
System Operator : PD
Injection Number : 18

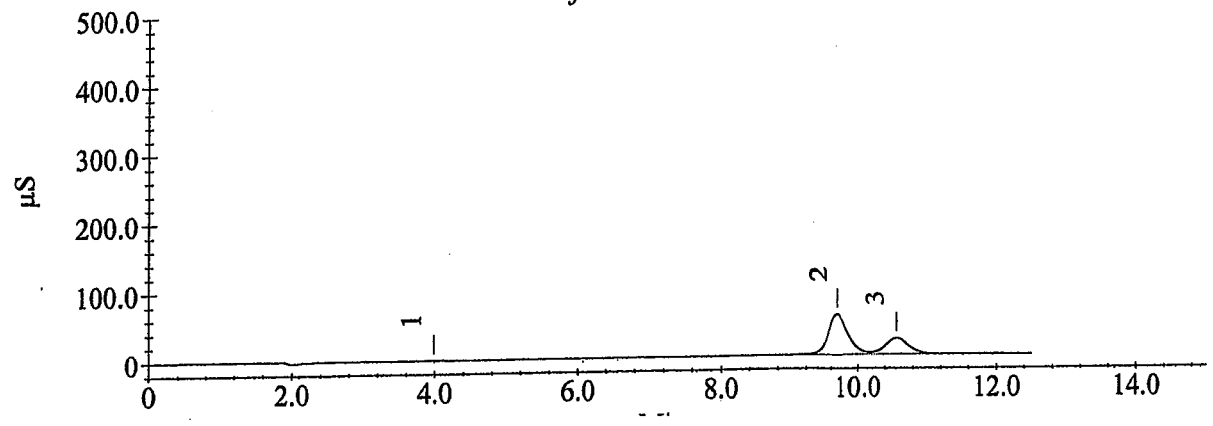
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
2	9.69	sulfite	12439073	12439073	12439073

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
2	9.69	sulfite	50.00	12439073	580338	

sulfite090825AICAL#7



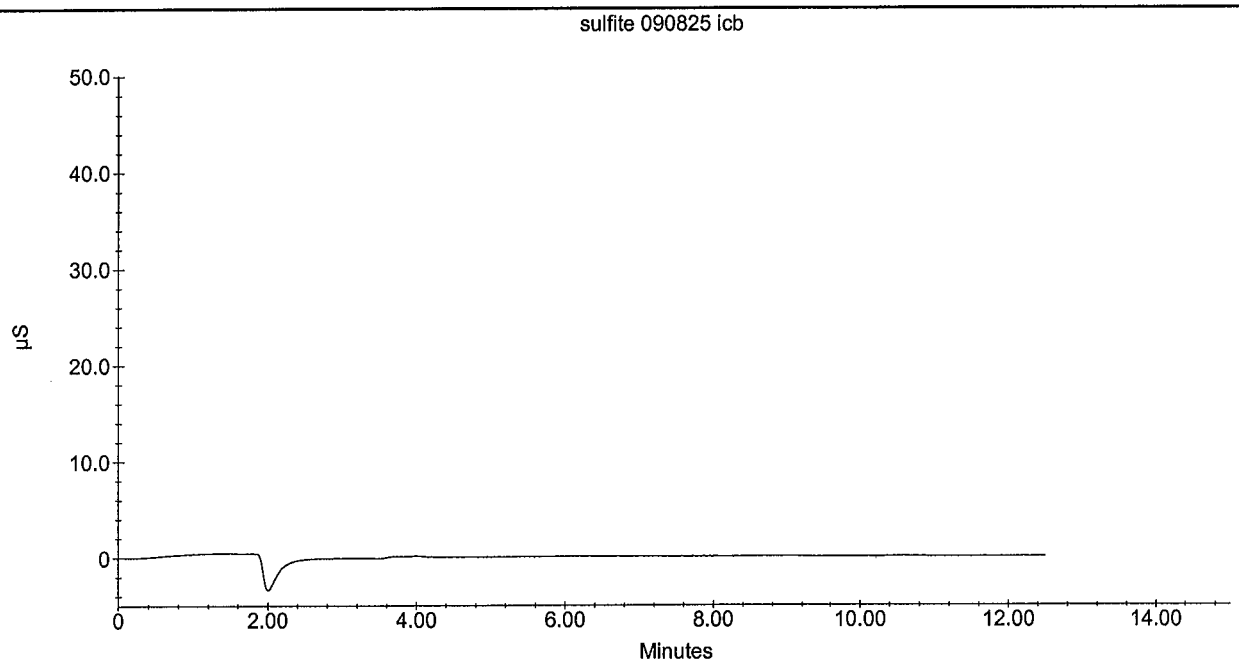
Sample Analysis Report

Sample Name : sulfite 090825 icb
Data File Name : i:\dionex\d1anions\data\090825a\090825a_022.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 8/25/09 3:12:57 PM
System Operator : PD
Injection Number : 22
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed



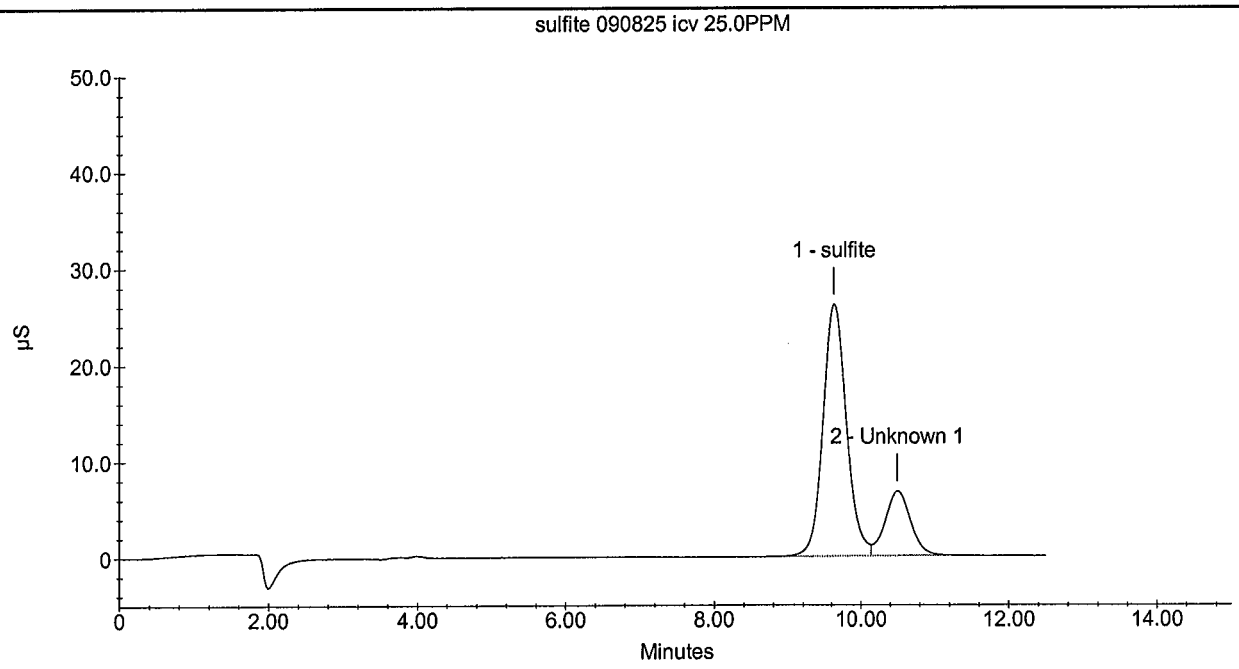
Sample Analysis Report

Sample Name : sulfite 090825 icv 25.0PPM
Data File Name : i:\dionex\d1anions\data\090825a\090825a_023.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 8/25/09 3:28:03 PM
System Operator : PD
Injection Number : 23
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	9.63	sulfite	23.794	5788540	259917	
2	10.49	Unknown 1	0.000	1593563	66650	



Sample Analysis Report

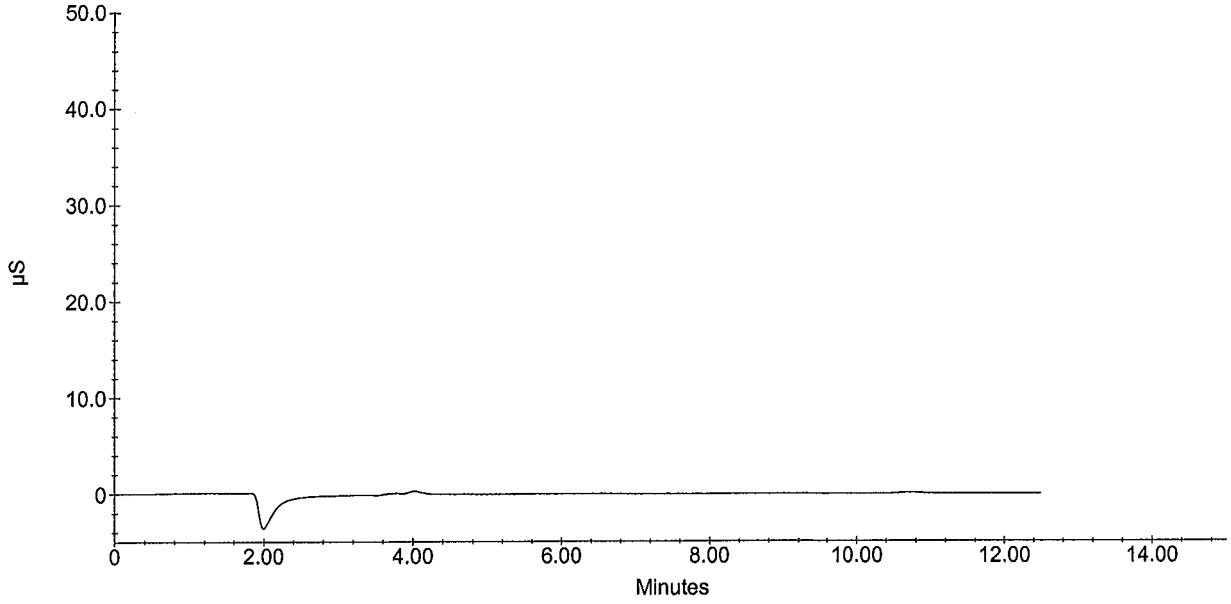
Sample Name : sulfite 090825 ccb
Data File Name : i:\dionex\d1anions\data\090825a\090825a_025.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 8/25/09 4:09:15 PM
System Operator : PD
Injection Number : 25
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

sulfite 090825 ccb



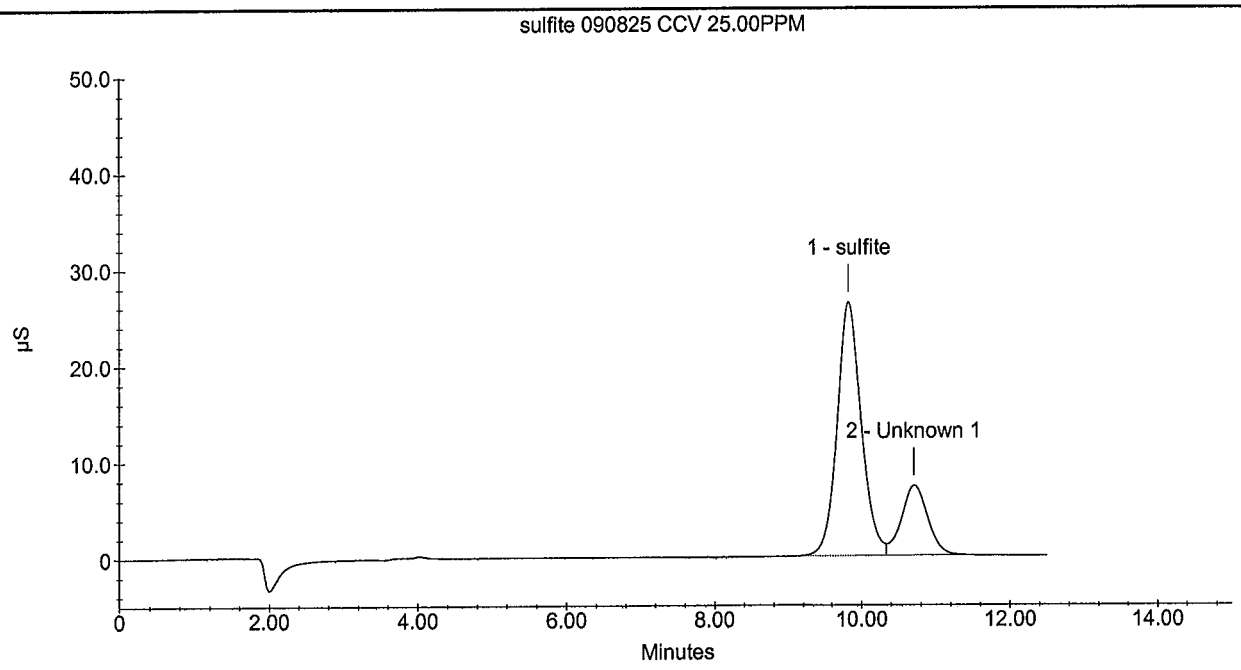
Sample Analysis Report

Sample Name : sulfite 090825 CCV 25.00PPM
Data File Name : i:\dionex\d1anions\data\090825a\090825a_026.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 8/25/09 4:24:20 PM
System Operator : PD
Injection Number : 26
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	9.83	sulfite	24.631	5991464	262656	
2	10.71	Unknown 1	0.000	1765324	72128	



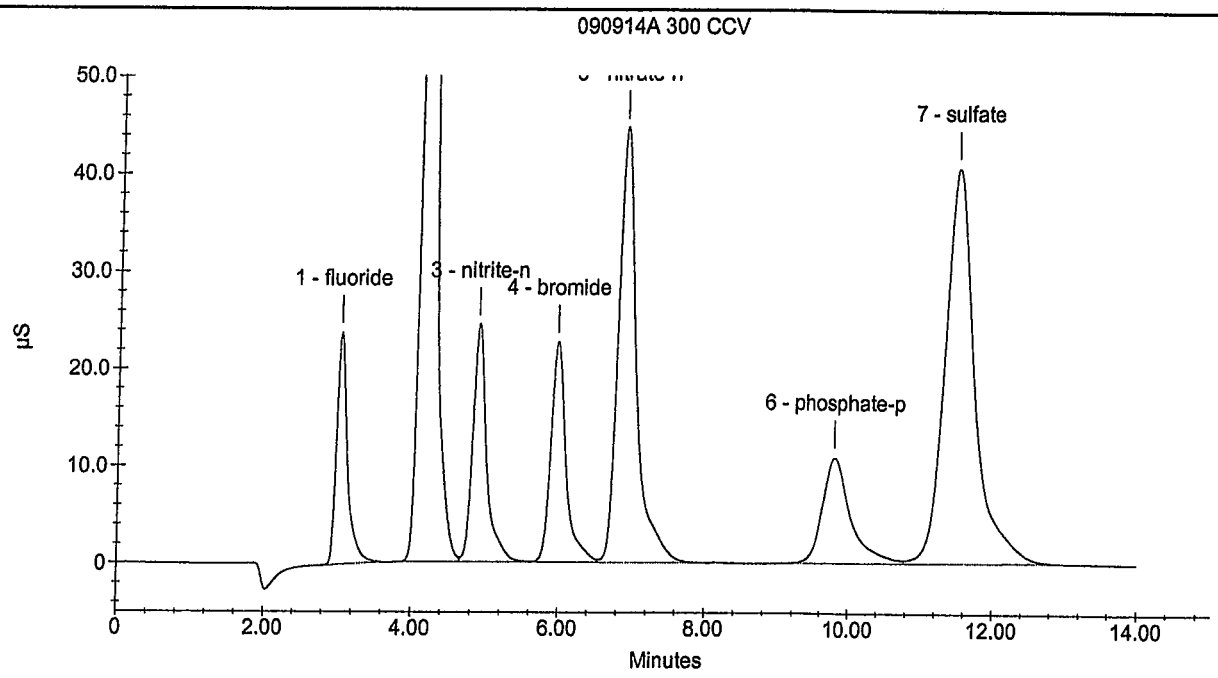
Sample Analysis Report

Sample Name : 090914A 300 CCV
Data File Name : i:\dionex\d1anions\data\090914a\090914a_002.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/14/09 10:56:18
System Operator : pd
Injection Number : 2
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.03	fluoride	2.4940	2419382	237592	
2	4.17	chloride	25.6615	17951694	1793194	
3	4.88	nitrite-n	2.5815	3184786	242561	
4	5.96	bromide	13.0806	3293371	225442	
5	6.87	nitrate-n	5.2366	7733694	444963	
6	9.79	phosphate-p	5.4278	3047973	108008	
7	11.48	sulfate	26.3360	11642844	404837	



APPL, Inc.

Current Date : 9/14/09
Current Time : 11:12:59

Sample Analysis Report

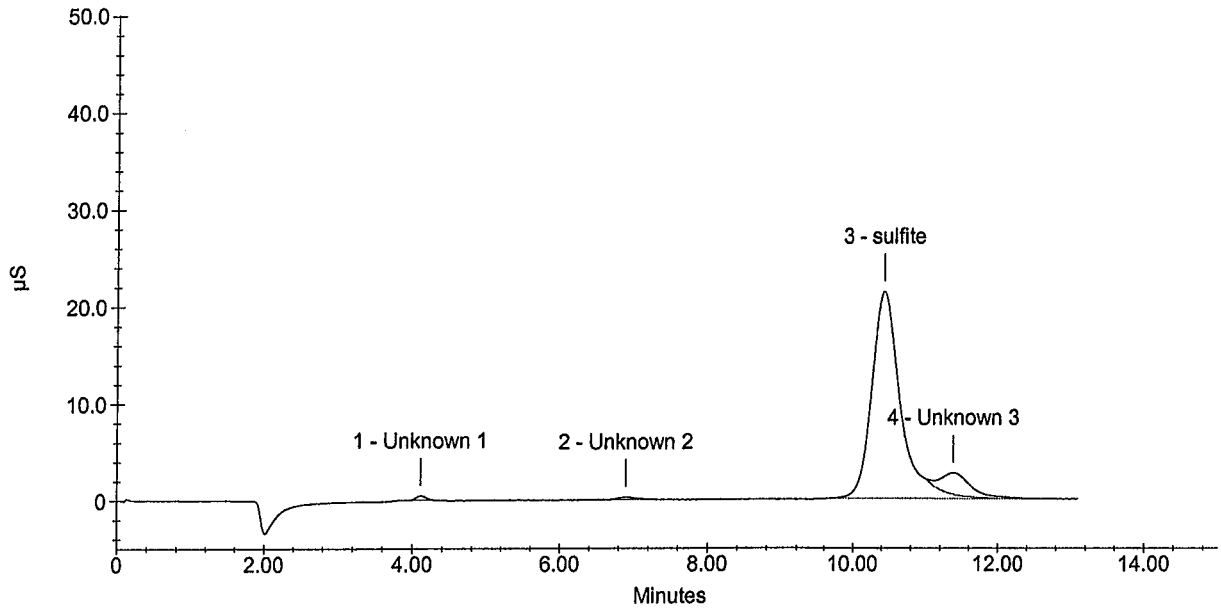
Sample Name : 090914A SULFITE CCV
Data File Name : i:\dionex\d1anions\data\090914a\090914a_003.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/14/09 11:13:53
System Operator : pd
Injection Number : 3
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.11	Unknown 1	0.0000	37576	4298	
2	6.89	Unknown 2	0.0000	32714	2247	
3	10.43	sulfite	24.1381	5872045	212506	
4	11.39	Unknown 3	0.0000	638323	22215	

090914A SULFITE CCV



Sample Analysis Report

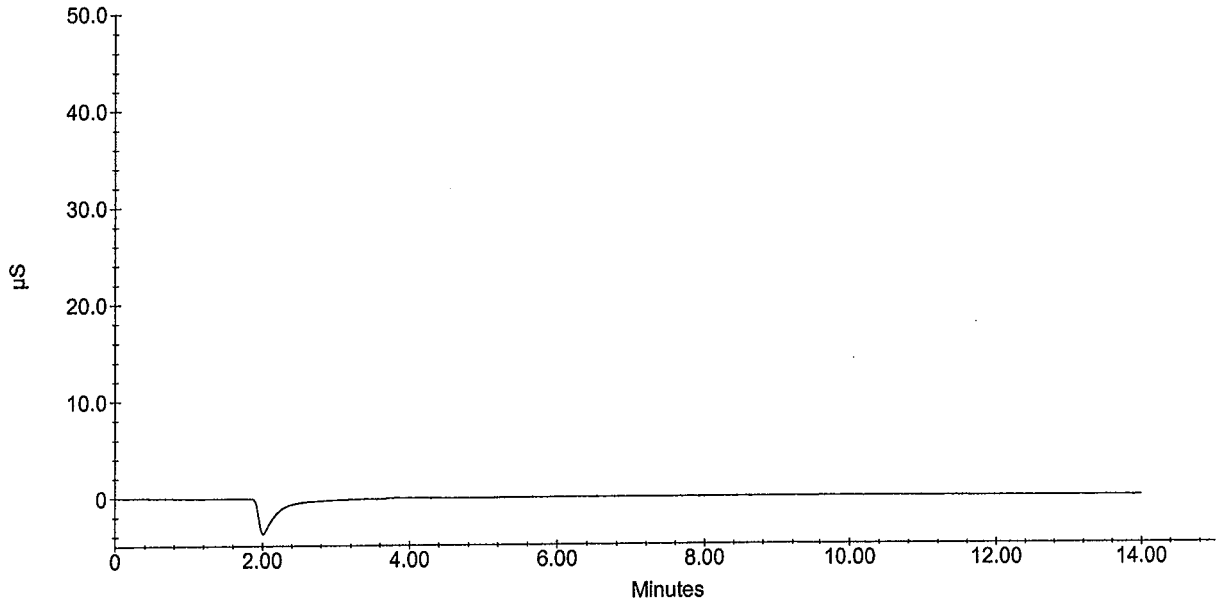
Sample Name : 090914A 300/SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090914a\090914a_005.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/14/09 11:45:17 AM
System Operator : pd
Injection Number : 5
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090914A 300/SULFITE CCB



Sample Analysis Report

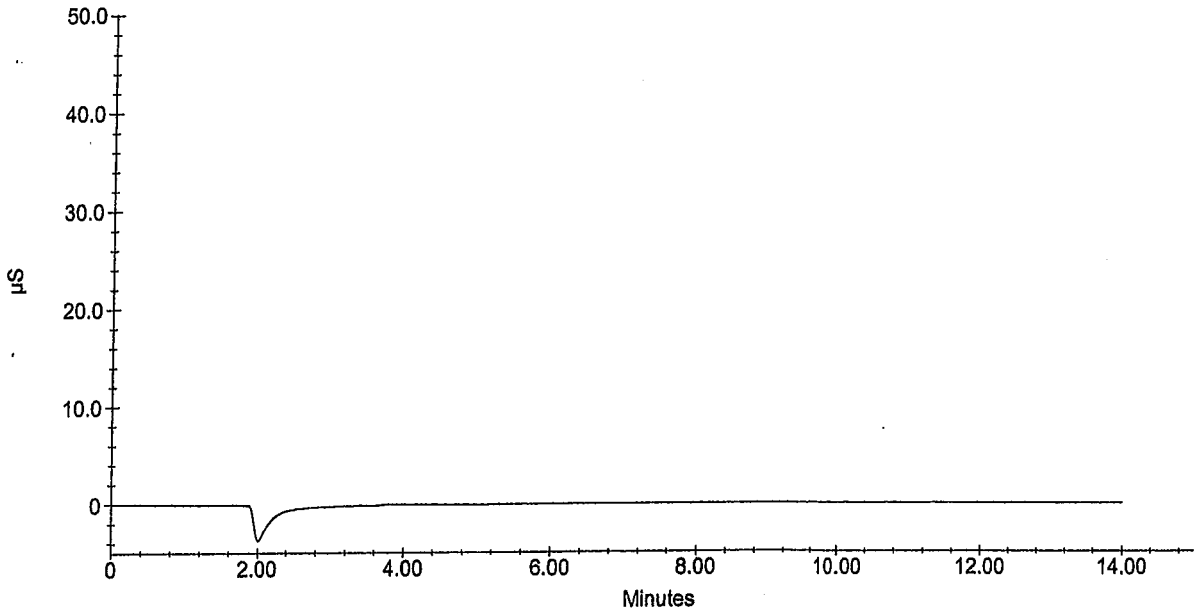
Sample Name : 090914A 300/SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090914a\090914a_005.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/14/09 11:45:17
System Operator : pd
Injection Number : 5
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090914A 300/SULFITE CCB



Sample Analysis Report

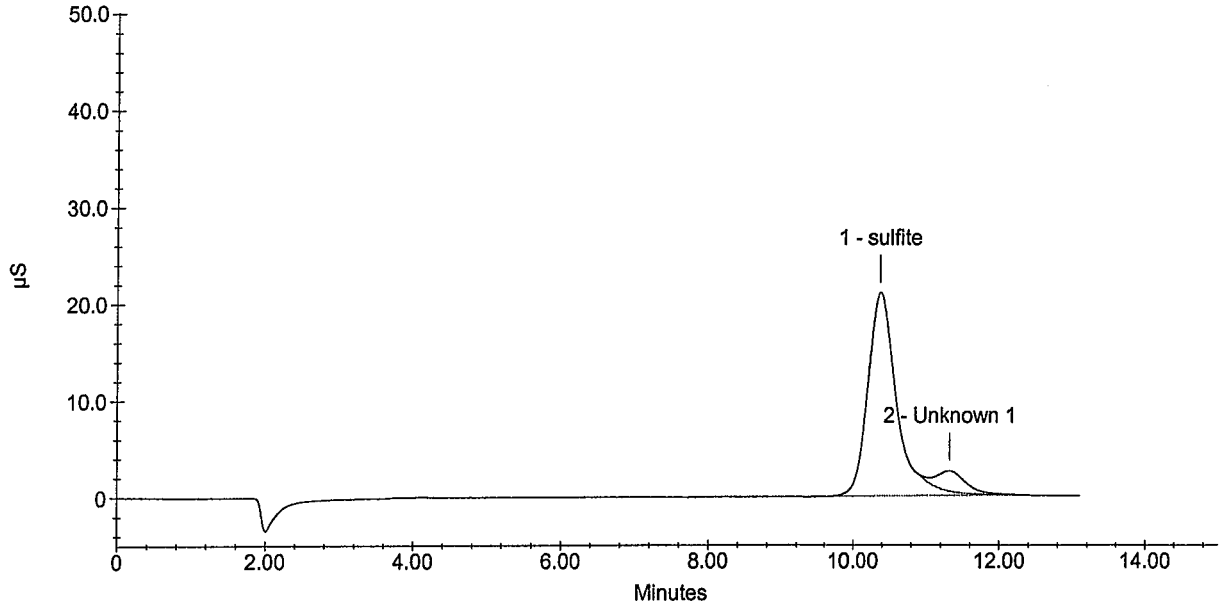
Sample Name : 090914A SULFITE CCV
Data File Name : i:\dionex\d1anions\data\090914a\090914a_017.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/14/09 15:05:12
System Operator : pd
Injection Number : 17
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.36	sulfite	23.6075	5743344	208949	
2	11.32	Unknown 1	0.0000	578516	21035	

090914A SULFITE CCV



Sample Analysis Report

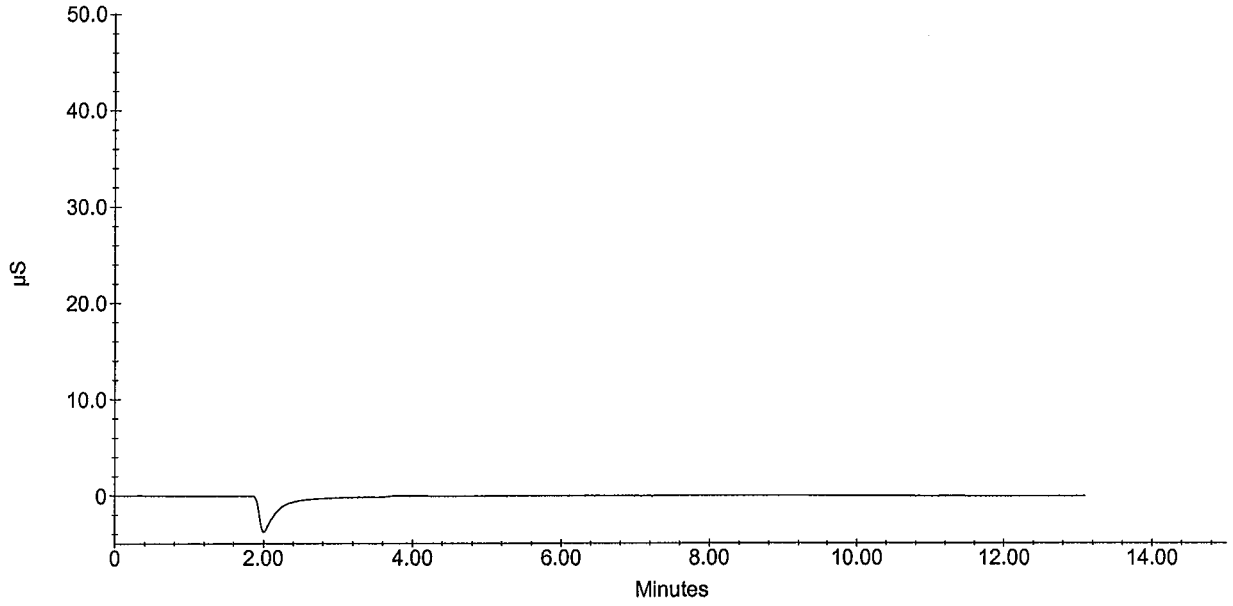
Sample Name : 090914A 300/SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090914a\090914a_018.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/14/09 3:20:58 PM
System Operator : pd
Injection Number : 18
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090914A 300/SULFITE CCB



Sample Analysis Report

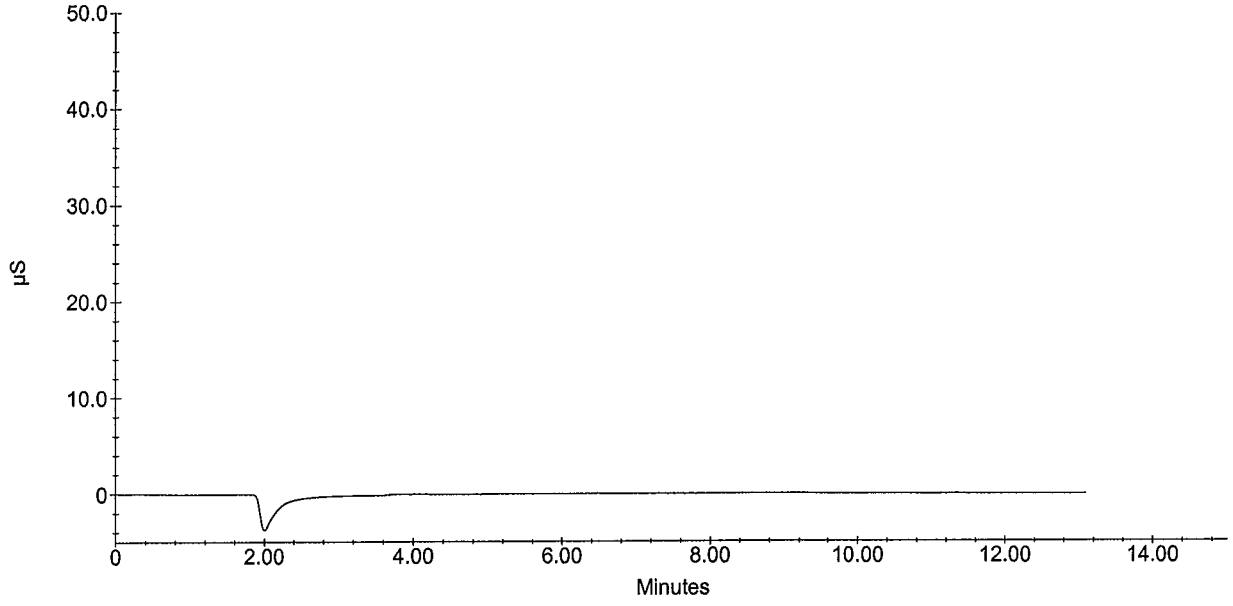
Sample Name : 090914A 300/SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090914a\090914a_018.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/14/09 3:20:58 PM
System Operator : pd
Injection Number : 18
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090914A 300/SULFITE CCB



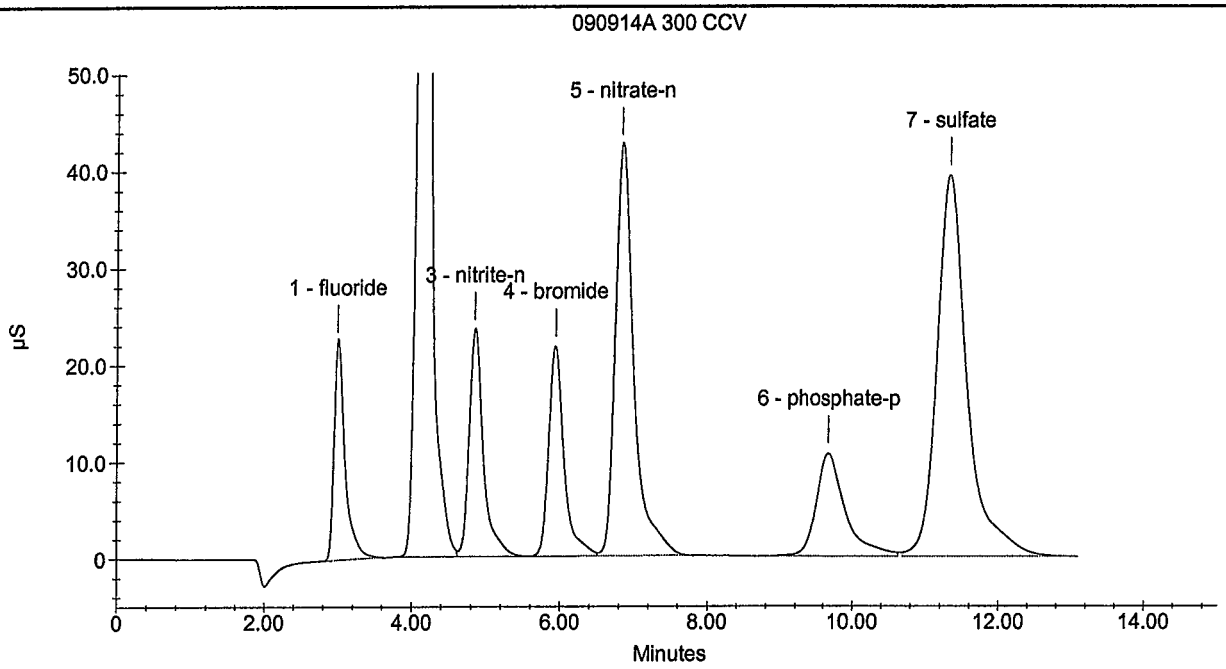
Sample Analysis Report

Sample Name : 090914A 300 CCV
Data File Name : i:\dionex\d1anions\data\090914a\090914a_019.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/14/09 15:36:38
System Operator : pd
Injection Number : 19
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	2.99	fluoride	2.4361	2361234	224295	
2	4.13	chloride	24.7772	17305734	1706932	
3	4.84	nitrite-n	2.5112	3095904	233356	
4	5.93	bromide	12.5603	3159498	216271	
5	6.83	nitrate-n	5.0106	7391020	422954	
6	9.67	phosphate-p	5.3289	2993722	105936	
7	11.33	sulfate	25.5541	11289165	392977	



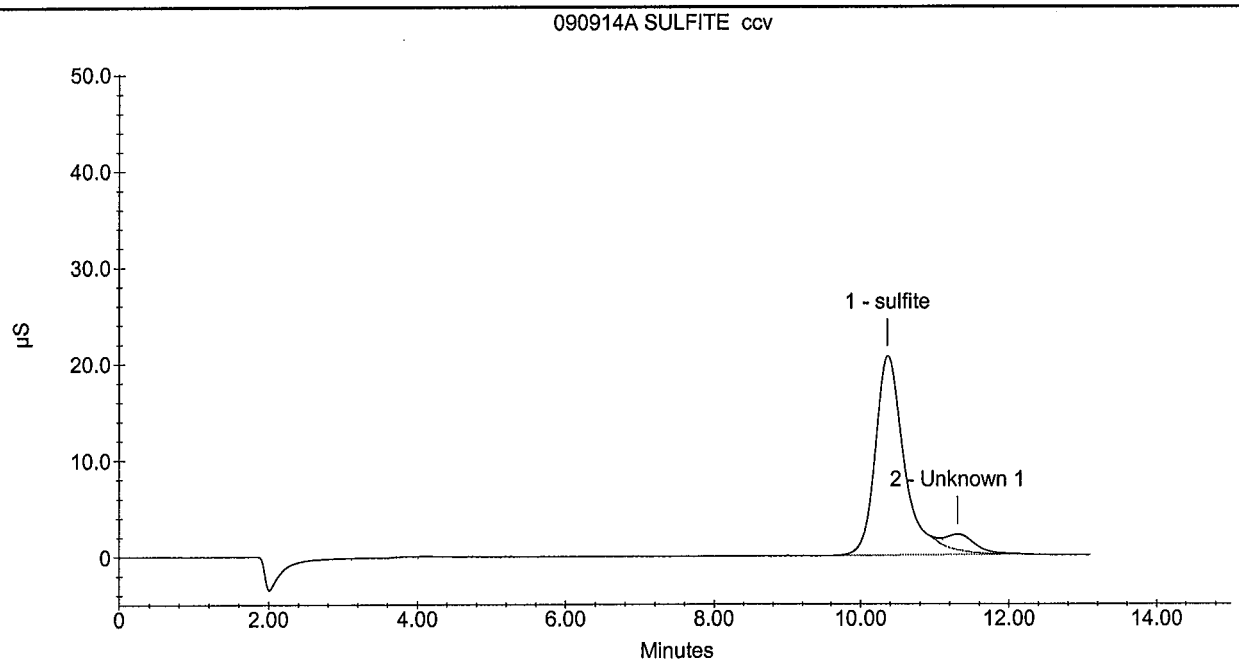
Sample Analysis Report

Sample Name : 090914A SULFITE ccv
Data File Name : i:\dionex\d1anions\data\090914a\090914a_025.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/14/09 5:14:37 PM
System Operator : pd
Injection Number : 25
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.36	sulfite	23.349	5680616	205491	
2	11.31	Unknown 1	0.000	450579	16455	



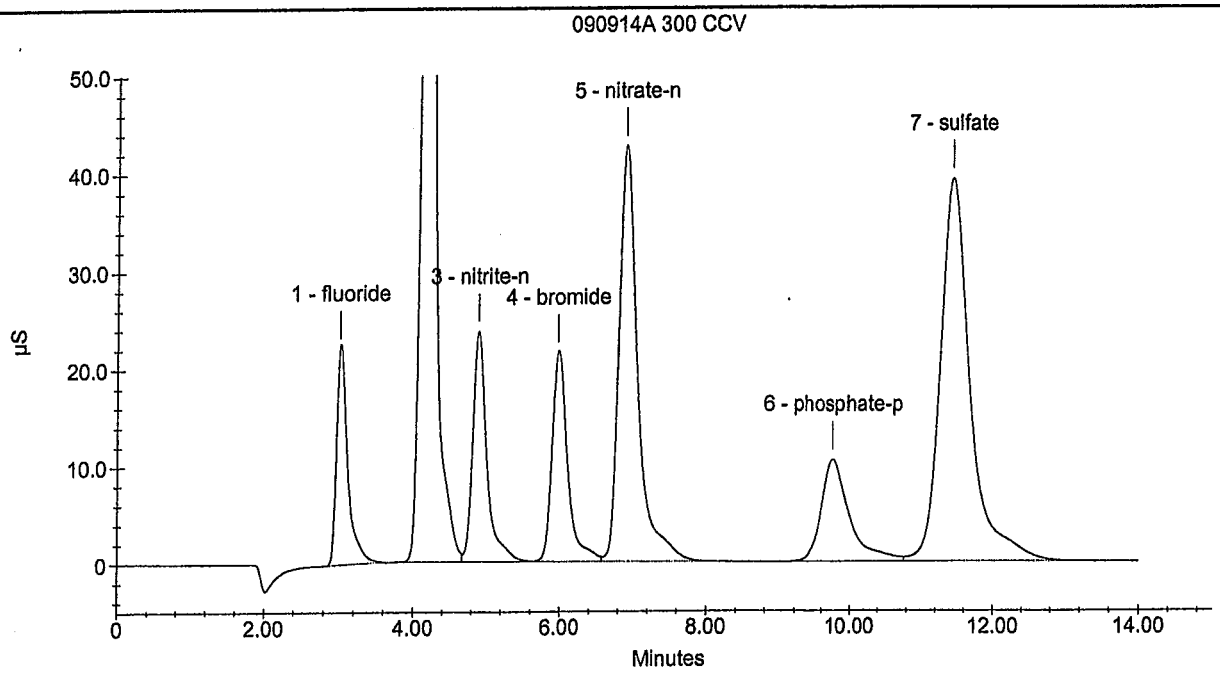
Sample Analysis Report

Sample Name : 090914A 300 CCV
Data File Name : i:\dionex\d1anions\data\090914a\090911a_031.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/14/09 18:57:59
System Operator : pd
Injection Number : 31
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.01	fluoride	2.4177	2342782	221948	
2	4.17	chloride	24.9578	17437666	1705347	
3	4.89	nitrite-n	2.5562	3152789	236212	
4	5.97	bromide	12.7312	3203459	214693	
5	6.89	nitrate-n	5.1034	7531679	425438	
6	9.76	phosphate-p	5.2400	2944878	104417	
7	11.44	sulfate	25.6504	11332725	391809	



Sample Analysis Report

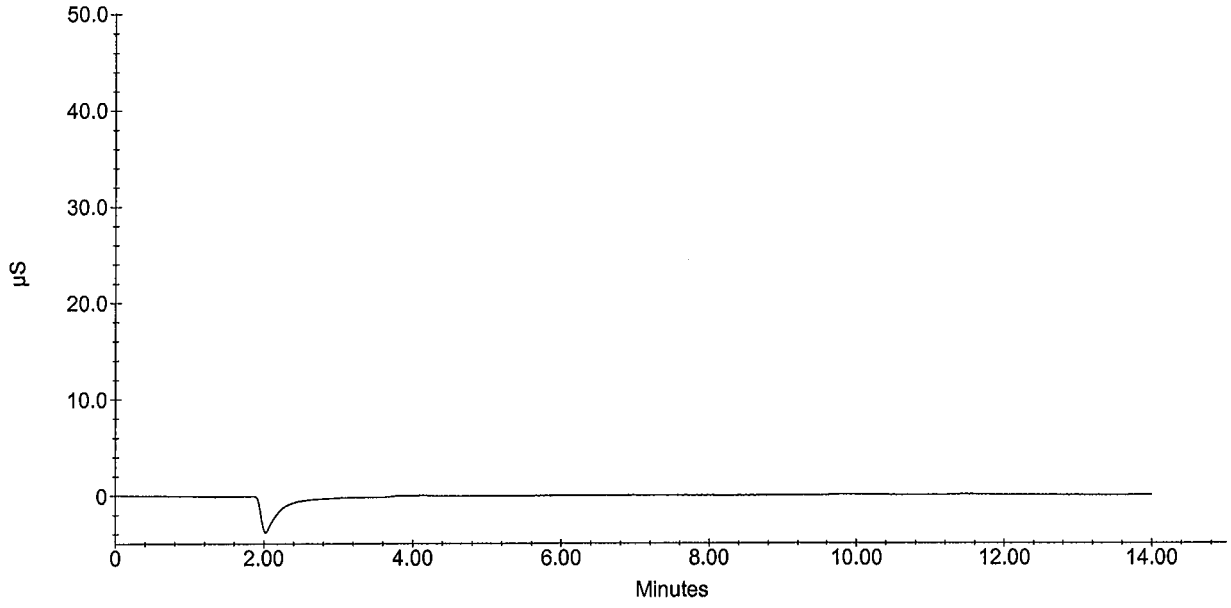
Sample Name : 090914A 300/ SULFITECCB
Data File Name : i:\dionex\d1anions\data\090914a\090911a_032.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/14/09 7:14:47 PM
System Operator : pd
Injection Number : 32
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090914A 300/ SULFITECCB



Sample Analysis Report

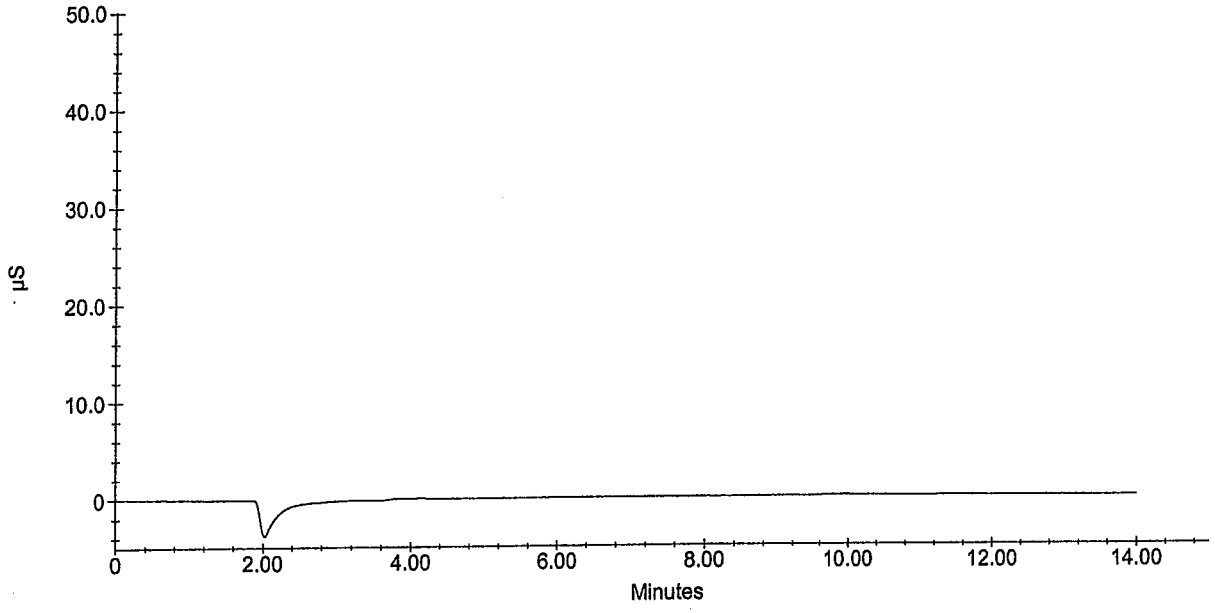
Sample Name : 090914A 300/ SULFITECCB
Data File Name : i:\dionex\d1anions\data\090914a\090911a_032.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/14/09 19:14:47
System Operator : pd
Injection Number : 32
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090914A 300/ SULFITECCB



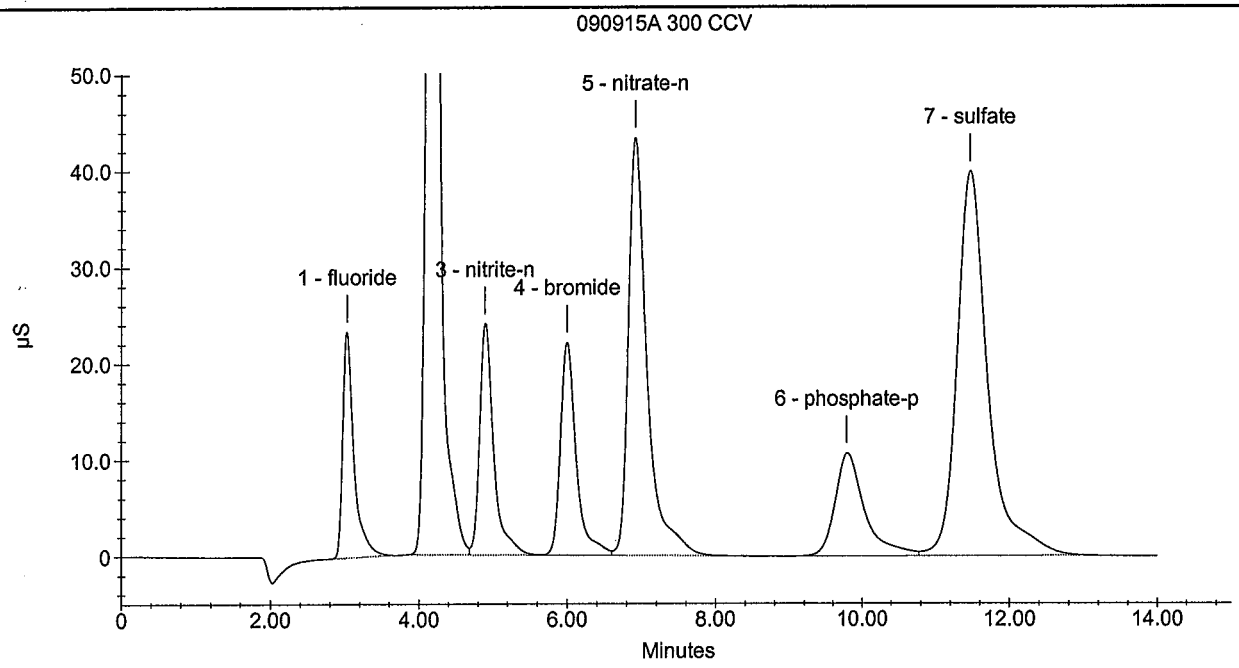
Sample Analysis Report

Sample Name : 090915A 300 CCV
Data File Name : i:\dionex\d1anions\data\090915a\090915A_002.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/15/09 08:23:29
System Operator : pd
Injection Number : 2
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.03	fluoride	2.5246	2450098	233825	
2	4.17	chloride	25.1344	17566688	1722636	
3	4.89	nitrite-n	2.5612	3159167	238884	
4	6.00	bromide	12.8496	3233942	220346	
5	6.92	nitrate-n	5.1411	7588932	432557	
6	9.79	phosphate-p	5.3804	3021959	106425	
7	11.47	sulfate	26.0365	11507379	398110	



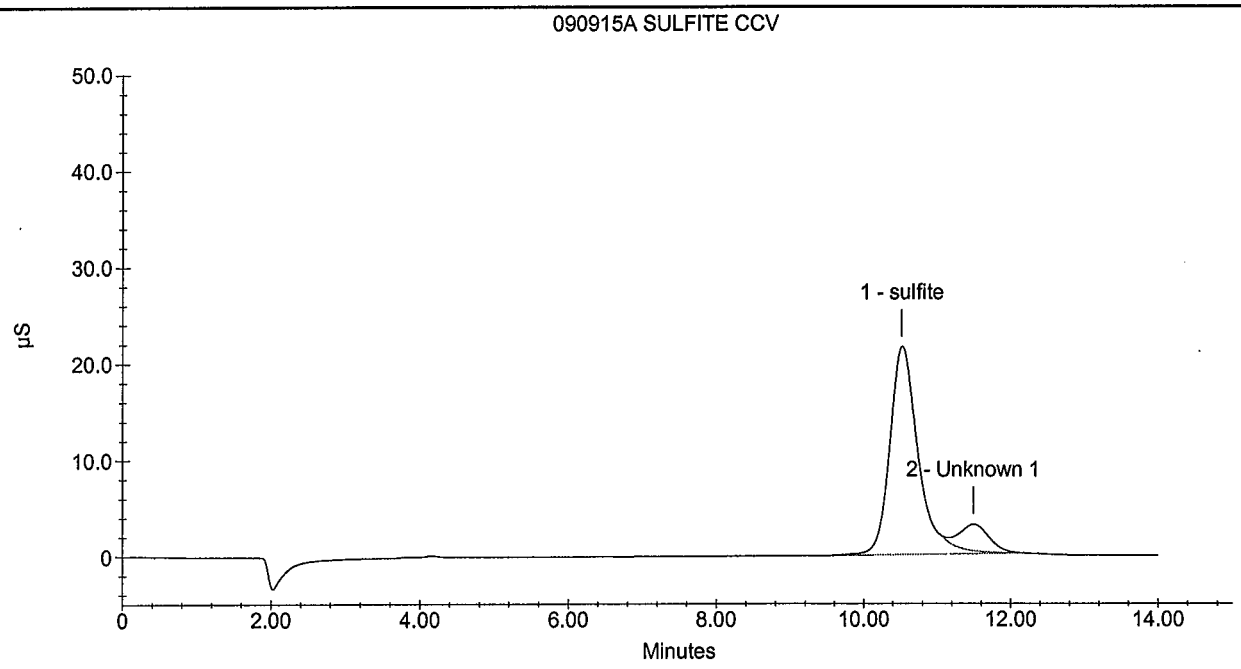
Sample Analysis Report

Sample Name : 090915A SULFITE CCV
Data File Name : i:\dionex\d1anions\data\090915a\090915A_003.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/15/09 08:54:34
System Operator : pd
Injection Number : 3
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.52	sulfite	23.9127	5817369	215007	
2	11.49	Unknown 1	0.0000	751603	27575	



Sample Analysis Report

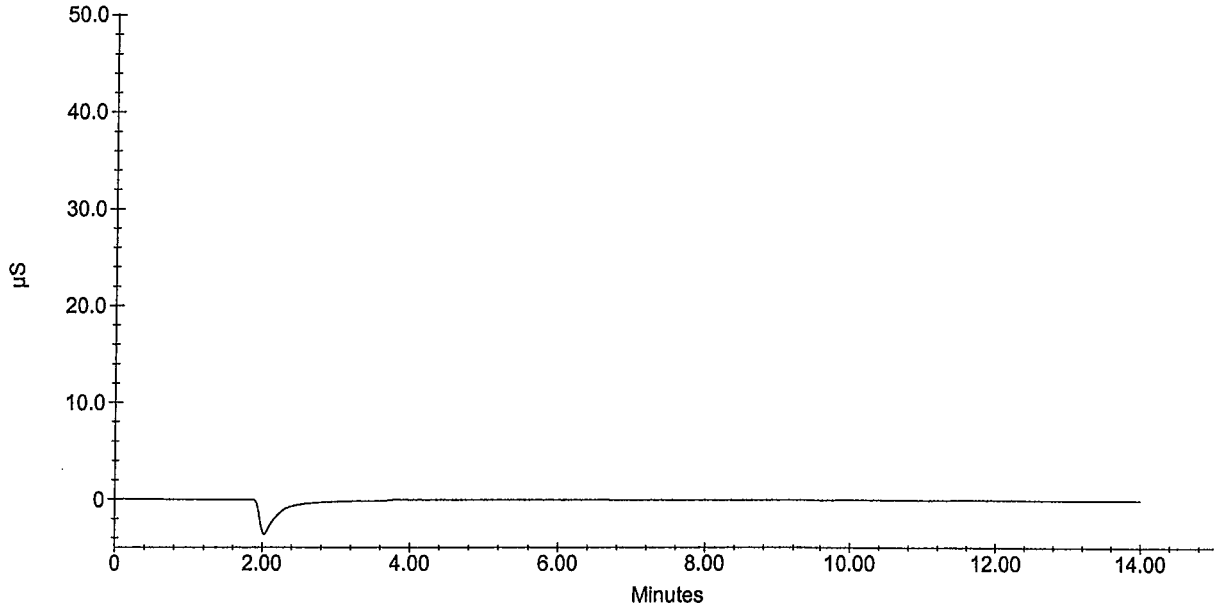
Sample Name : 090915A 300/SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090915a\090915A_005.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/15/09 09:27:50
System Operator : pd
Injection Number : 5
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090915A 300/SULFITE CCB



Sample Analysis Report

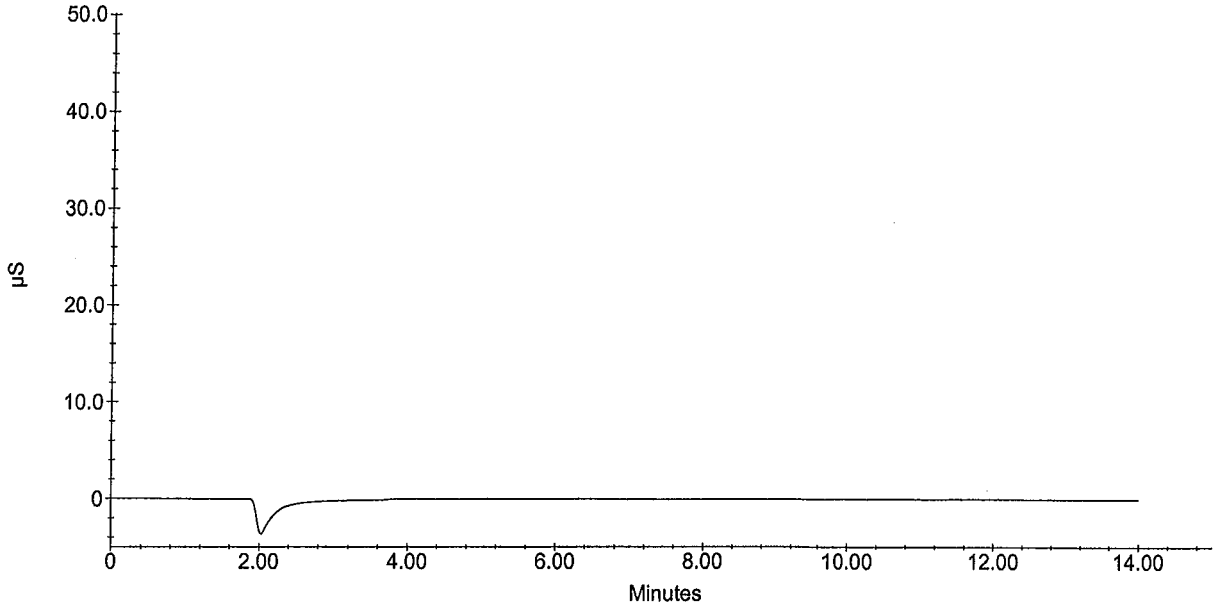
Sample Name : 090915A 300/SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090915a\090915A_005.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/15/09 9:27:50 AM
System Operator : pd
Injection Number : 5
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090915A 300/SULFITE CCB



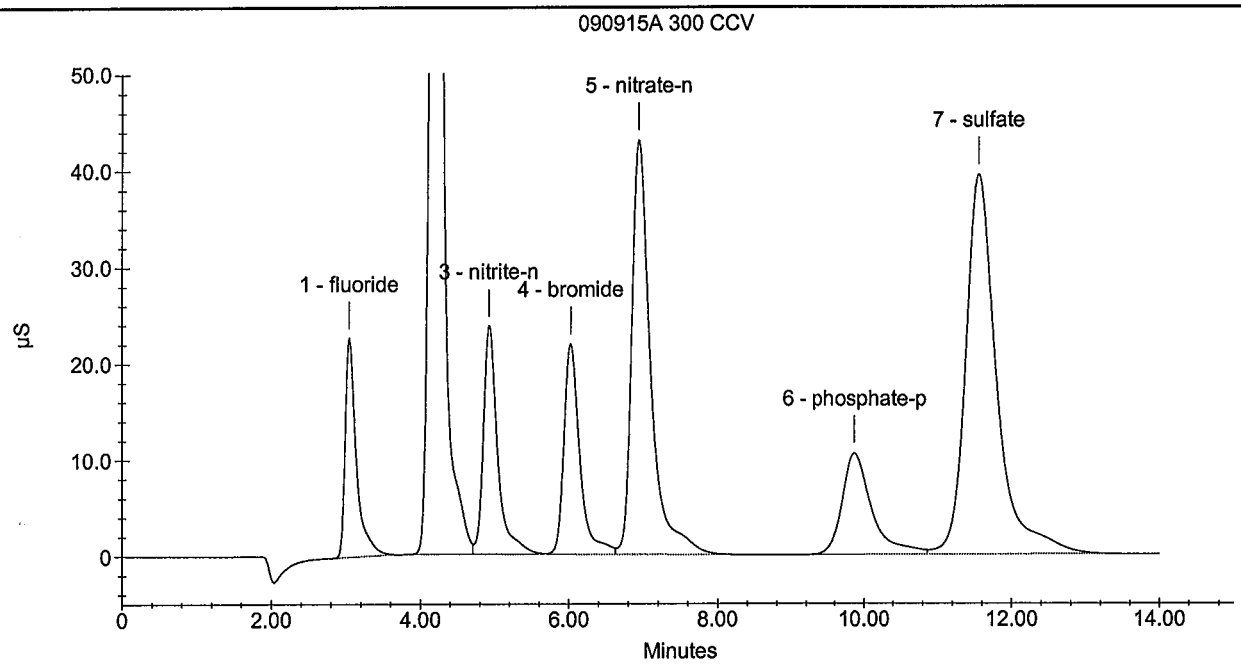
Sample Analysis Report

Sample Name : 090915A 300 CCV
Data File Name : i:\dionex\d1anions\data\090915a\090914a_019.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/15/09 13:25:21
System Operator : pd
Injection Number : 19
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.04	fluoride	2.4565	2381711	226140	
2	4.20	chloride	25.0887	17533266	1704246	
3	4.92	nitrite-n	2.5828	3186371	235965	
4	6.03	bromide	12.8541	3235085	217882	
5	6.95	nitrate-n	5.1491	7601077	429120	
6	9.87	phosphate-p	5.2662	2959284	104790	
7	11.56	sulfate	25.8863	11439427	393229	



Sample Analysis Report

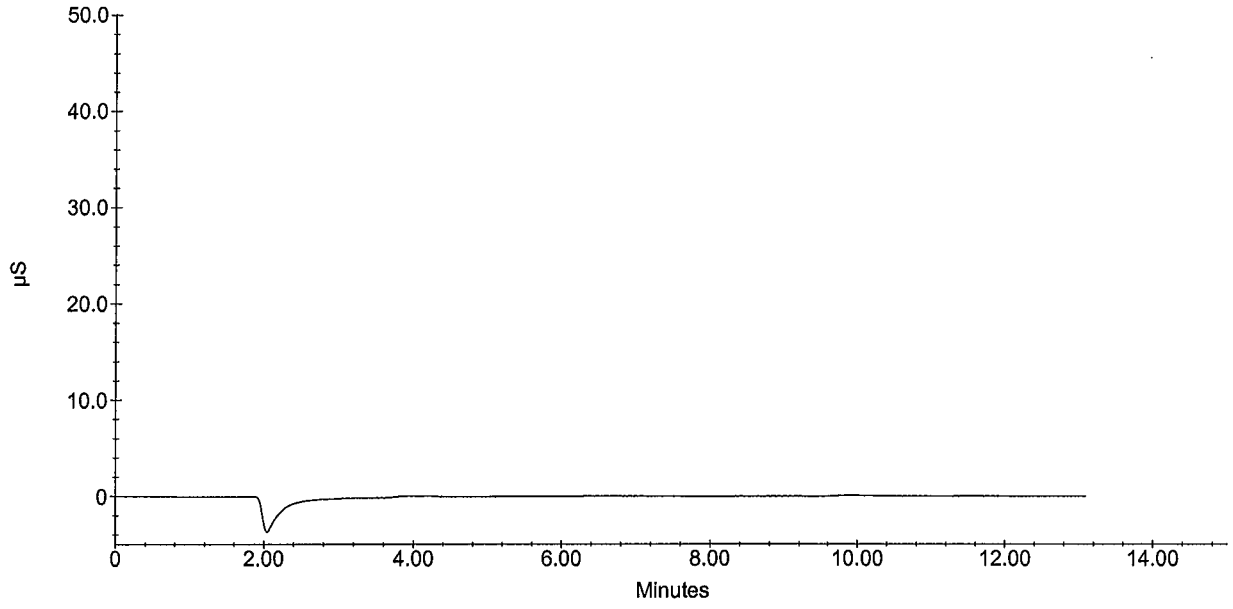
Sample Name : 090915A 300/SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090915a\090914a_020.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/15/09 1:42:23 PM
System Operator : pd
Injection Number : 20
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090915A 300/SULFITE CCB



Sample Analysis Report

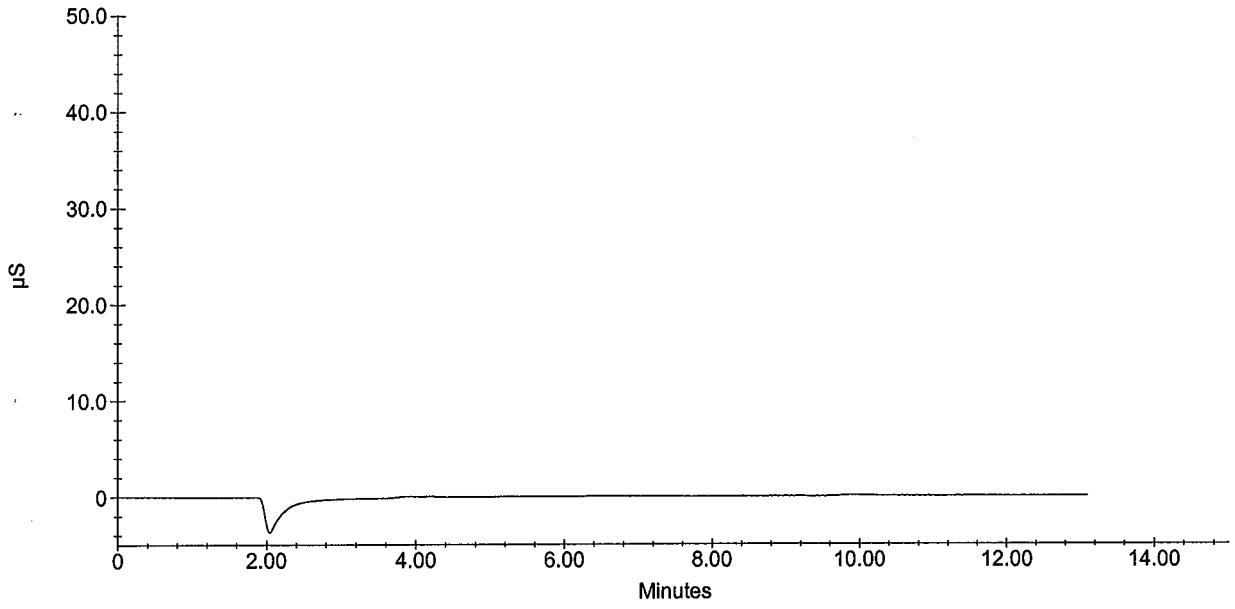
Sample Name : 090915A 300/SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090915a\090914a_020.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/15/09 13:42:23
System Operator : pd
Injection Number : 20
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090915A 300/SULFITE CCB



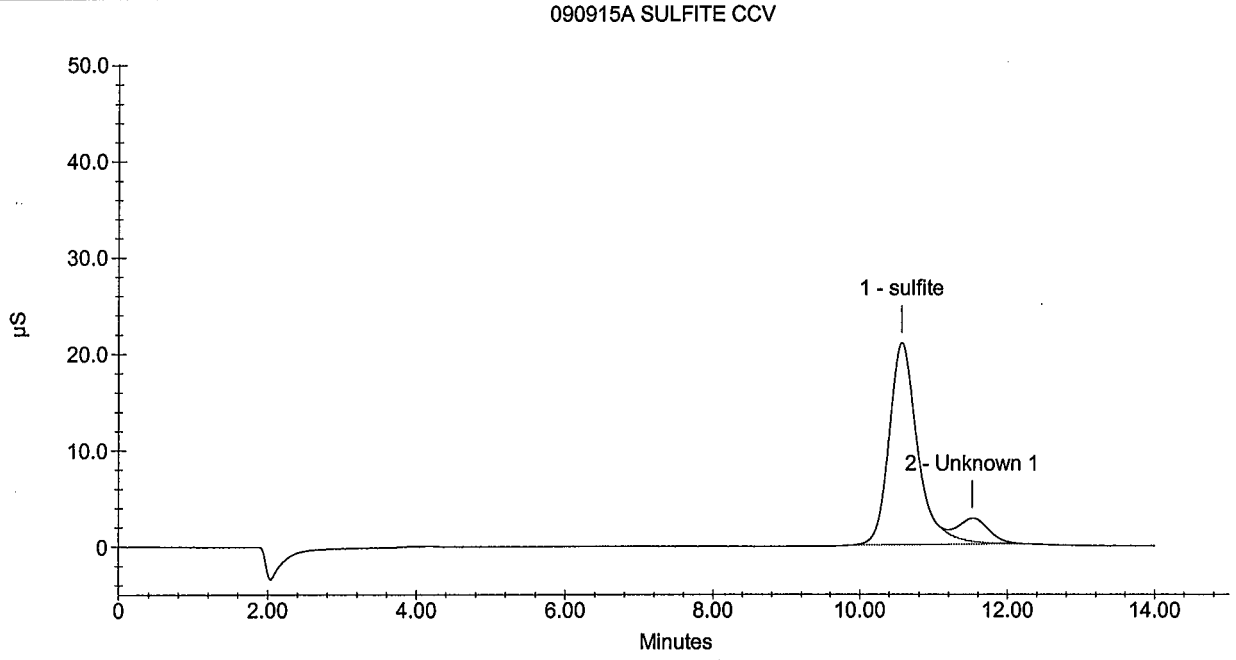
Sample Analysis Report

Sample Name : 090915A SULFITE CCV
Data File Name : i:\dionex\d1anions\data\090915a\090914a_021.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/15/09 14:05:25
System Operator : pd
Injection Number : 21
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.56	sulfite	23.0777	5614844	208672	
2	11.52	Unknown 1	0.0000	662495	24062	



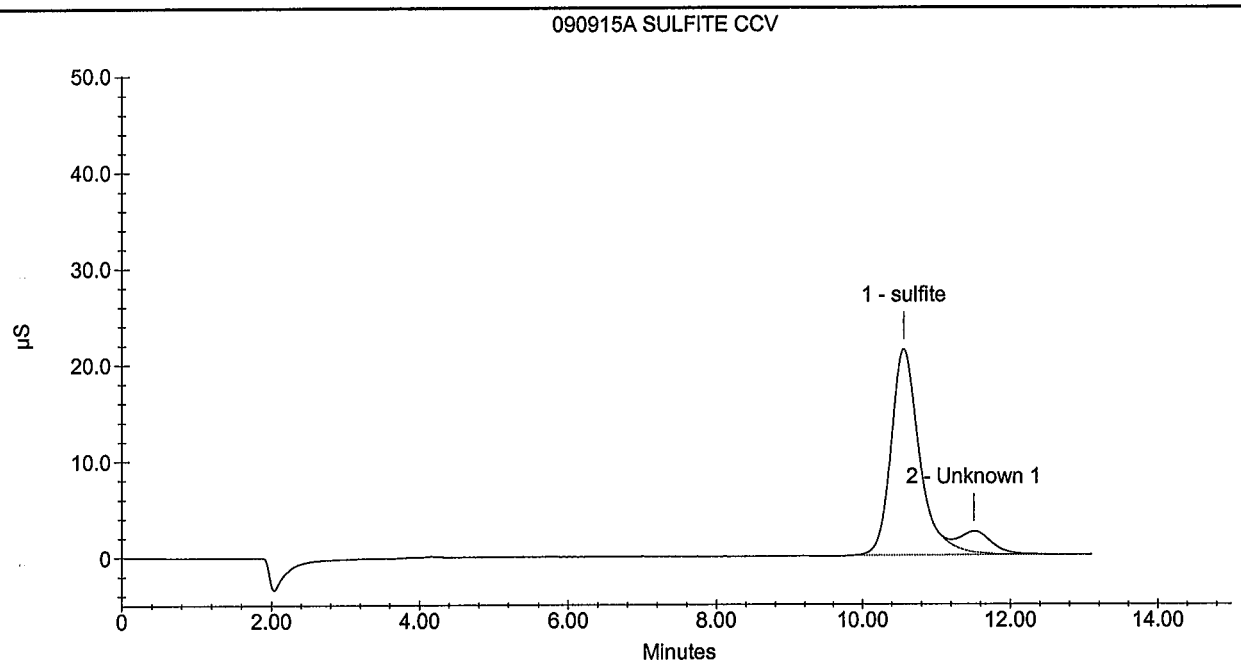
Sample Analysis Report

Sample Name : 090915A SULFITE CCV
Data File Name : i:\dionex\d1anions\data\090915a\090915A_029.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/15/09 16:30:59
System Operator : pd
Injection Number : 29
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.56	sulfite	23.7099	5768180	213157	
2	11.51	Unknown 1	0.0000	640772	21416	



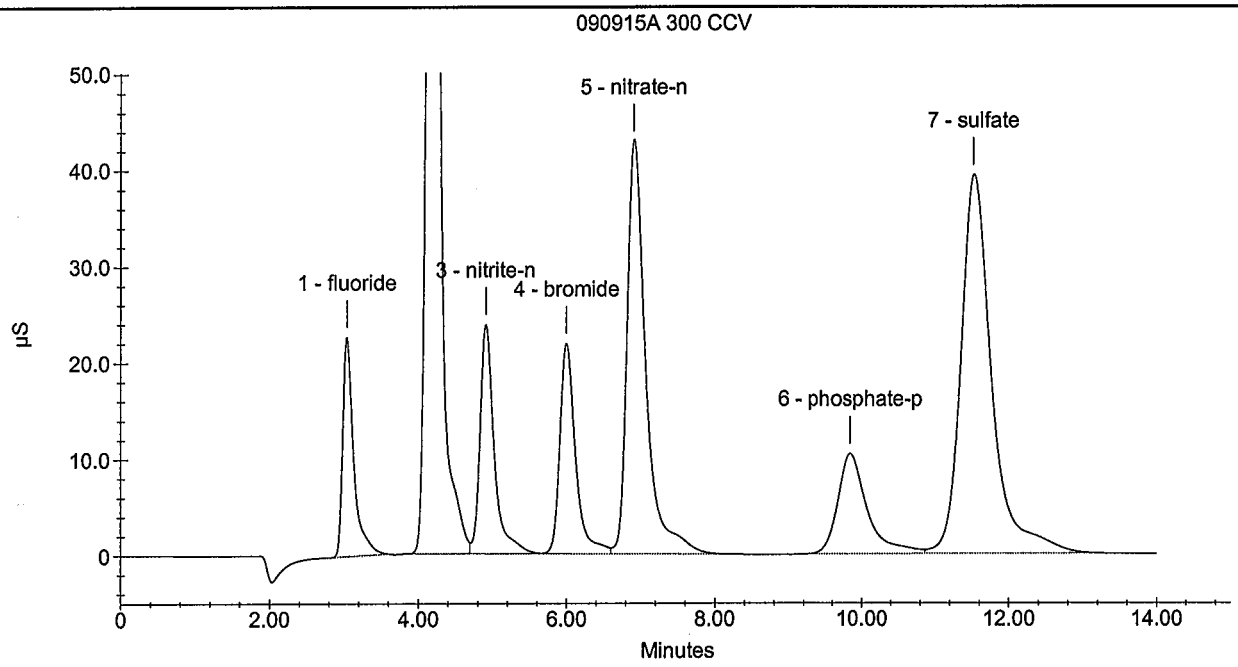
Sample Analysis Report

Sample Name : 090915A 300 CCV
Data File Name : i:\dionex\d1anions\data\090915a\090915A_030.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/15/09 16:46:44
System Operator : pd
Injection Number : 30
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.04	fluoride	2.4198	2344867	226655	
2	4.19	chloride	24.9721	17448119	1702639	
3	4.91	nitrite-n	2.5615	3159438	236894	
4	6.00	bromide	12.7146	3199207	217251	
5	6.91	nitrate-n	5.1161	7550950	427226	
6	9.84	phosphate-p	5.1540	2897701	103333	
7	11.52	sulfate	25.6172	11317691	391868	



Sample Analysis Report

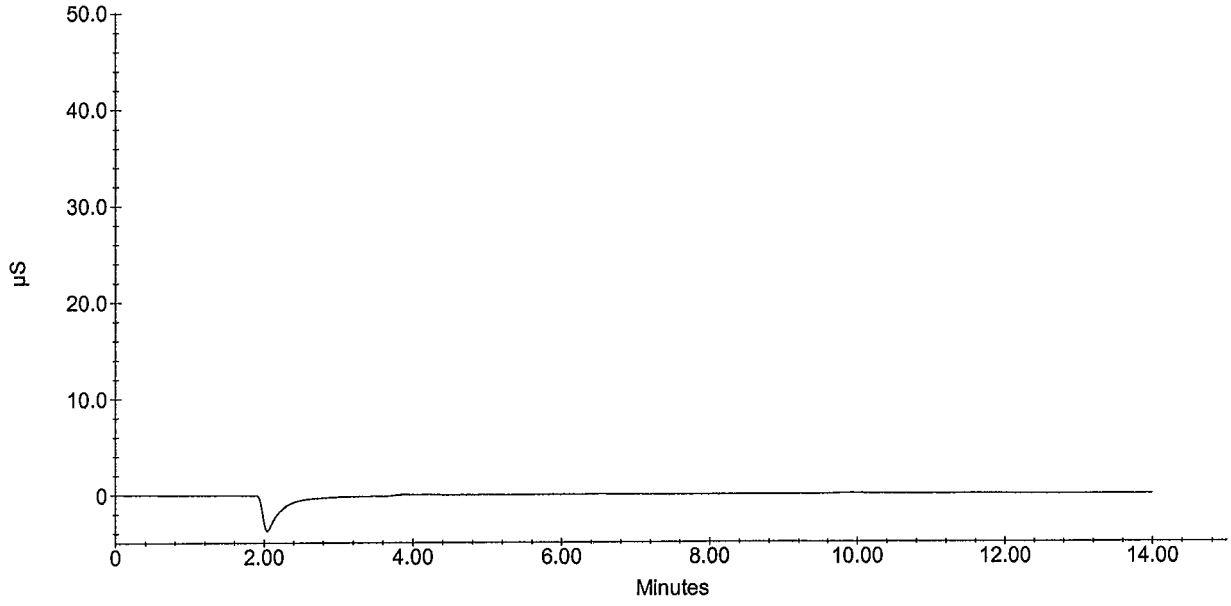
Sample Name : 090915A 300/SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090915a\090915A_031.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/15/09 5:03:30 PM
System Operator : pd
Injection Number : 31
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090915A 300/SULFITE CCB



Sample Analysis Report

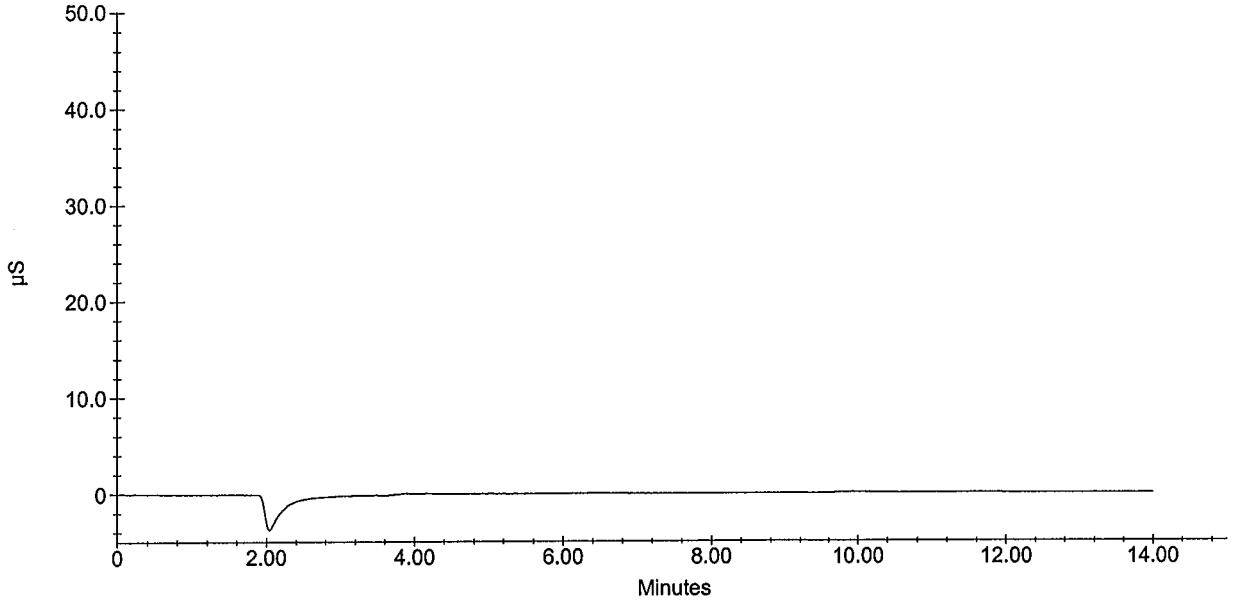
Sample Name : 090915A 300/SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090915a\090915A_031.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/15/09 17:03:30
System Operator : pd
Injection Number : 31
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090915A 300/SULFITE CCB



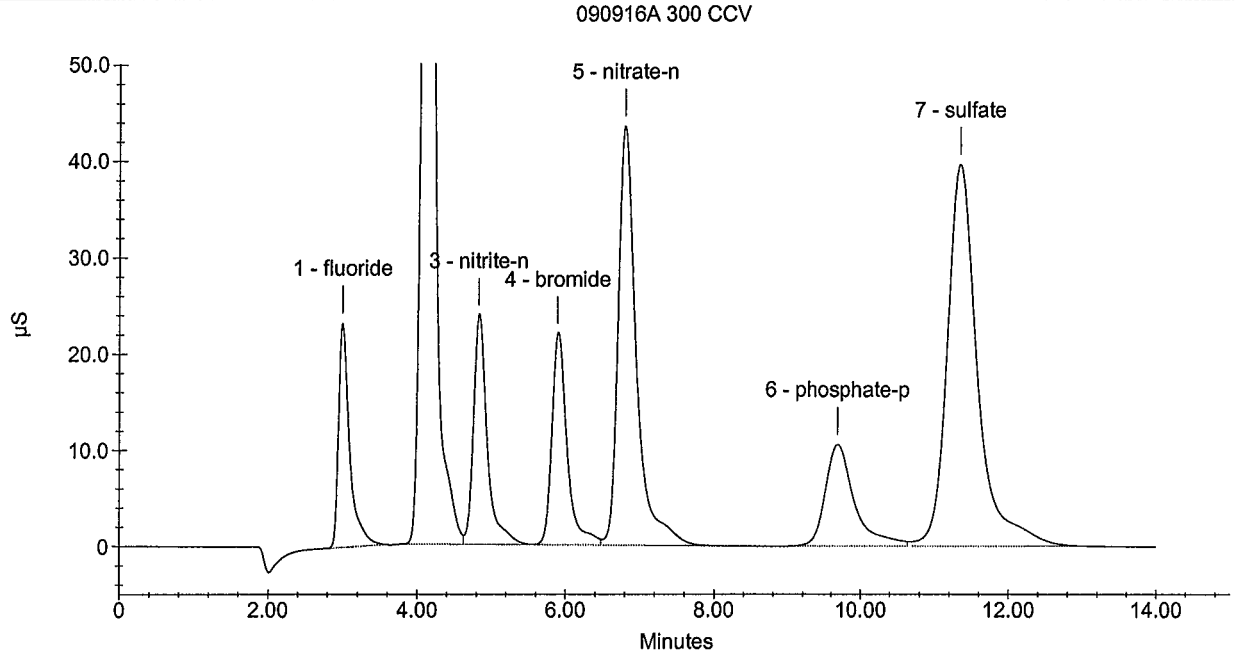
Sample Analysis Report

Sample Name : 090916A 300 CCV
Data File Name : i:\dionex\d1anions\data\090903a\090916A_002.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/16/09 08:51:01
System Operator : pd
Injection Number : 2
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.00	fluoride	2.4735	2398781	232469	
2	4.13	chloride	24.6162	17188068	1727967	
3	4.83	nitrite-n	2.4993	3080874	237094	
4	5.89	bromide	12.5522	3157409	218343	
5	6.80	nitrate-n	5.0433	7440585	434117	
6	9.68	phosphate-p	5.2311	2940044	105410	
7	11.35	sulfate	25.4619	11247444	395191	



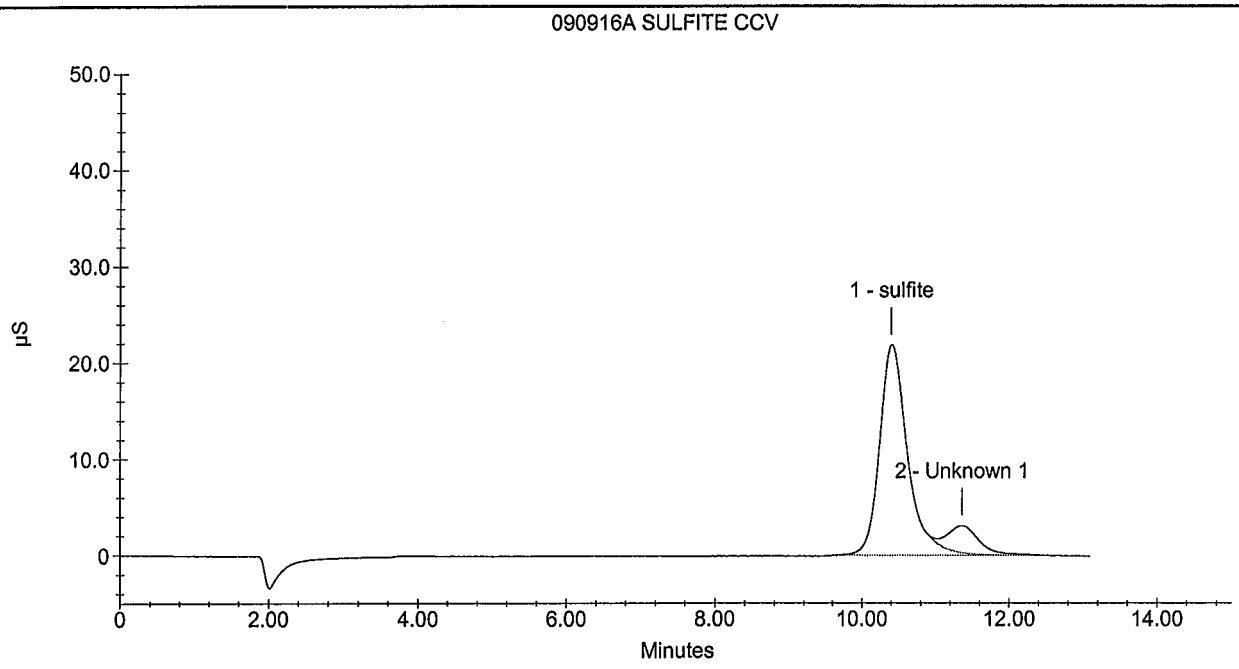
Sample Analysis Report

Sample Name : 090916A SULFITE CCV
Data File Name : i:\dionex\d1anions\data\090916a\090916A_003.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/16/09 09:08:03
System Operator : pd
Injection Number : 3
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.40	sulfite	23.7548	5779076	217900	
2	11.36	Unknown 1	0.0000	830785	28090	



Sample Analysis Report

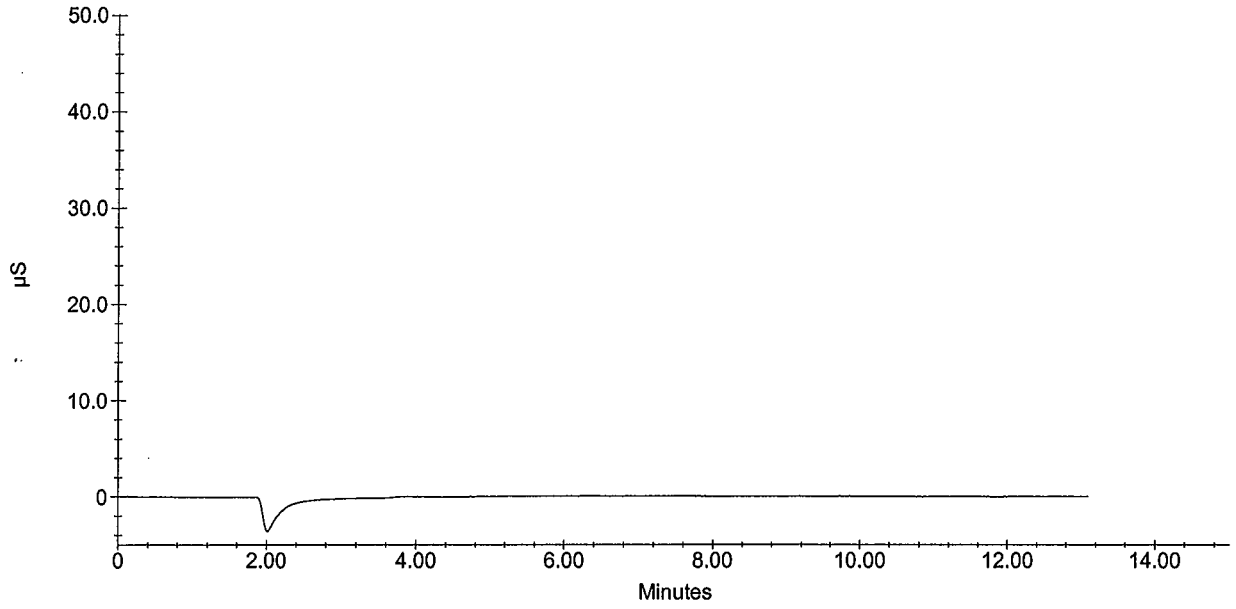
Sample Name : 090915A 300/SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090916a\090916A_005.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/16/09 09:39:49
System Operator : pd
Injection Number : 5
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090915A 300/SULFITE CCB



Sample Analysis Report

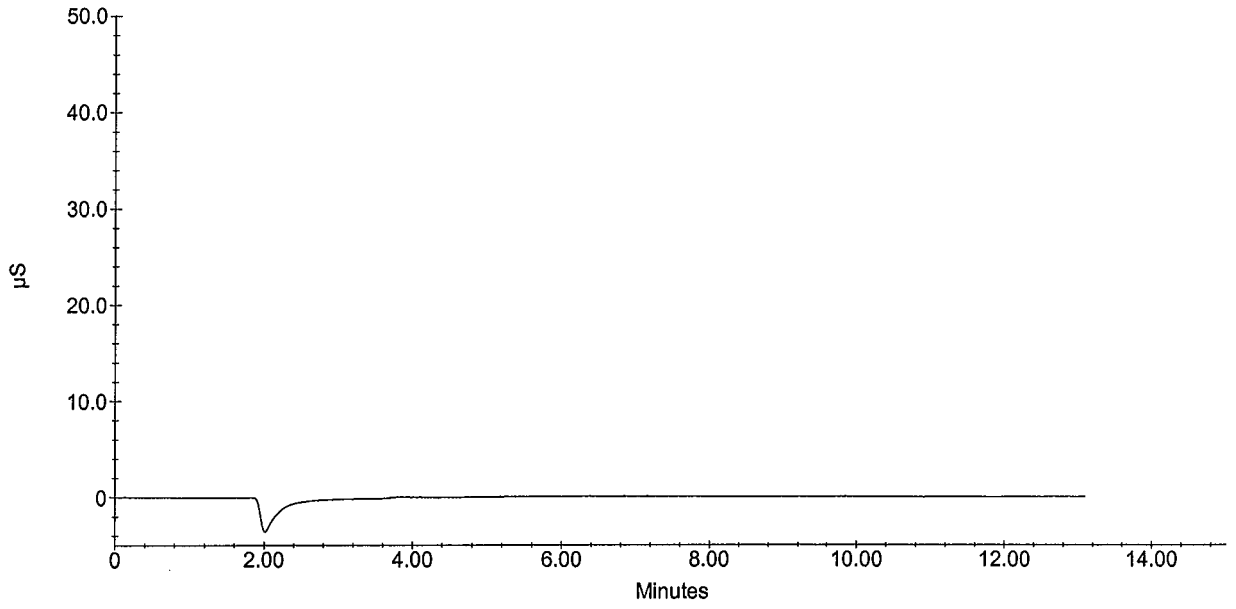
Sample Name : 090915A 300/SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090916a\090916A_005.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/16/09 9:39:49 AM
System Operator : pd
Injection Number : 5
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090915A 300/SULFITE CCB



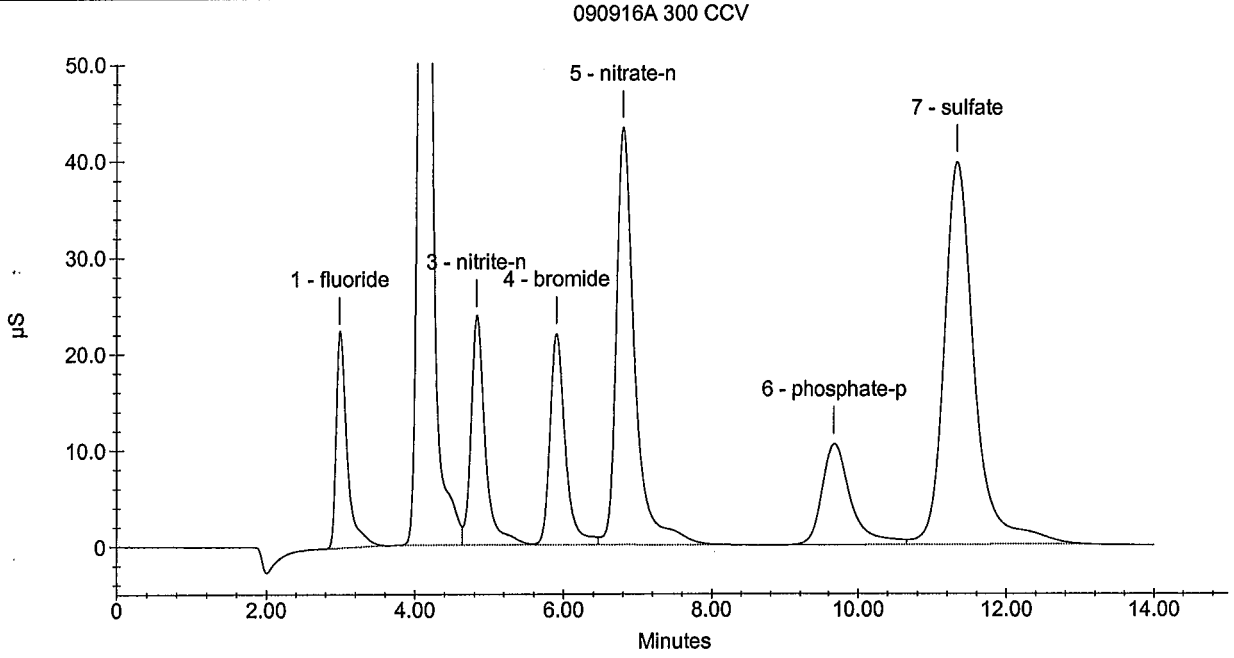
Sample Analysis Report

Sample Name : 090916A 300 CCV
Data File Name : i:\dionex\d1anions\data\090916a\090916A_018.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/16/09 13:23:02
System Operator : pd
Injection Number : 18
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	2.99	fluoride	2.3683	2293142	221270	
2	4.12	chloride	24.6564	17217475	1686096	
3	4.83	nitrite-n	2.5390	3131045	236149	
4	5.91	bromide	12.4121	3121370	218351	
5	6.80	nitrate-n	5.1076	7538034	431209	
6	9.67	phosphate-p	5.0780	2855998	104342	
7	11.33	sulfate	25.3513	11197414	395146	



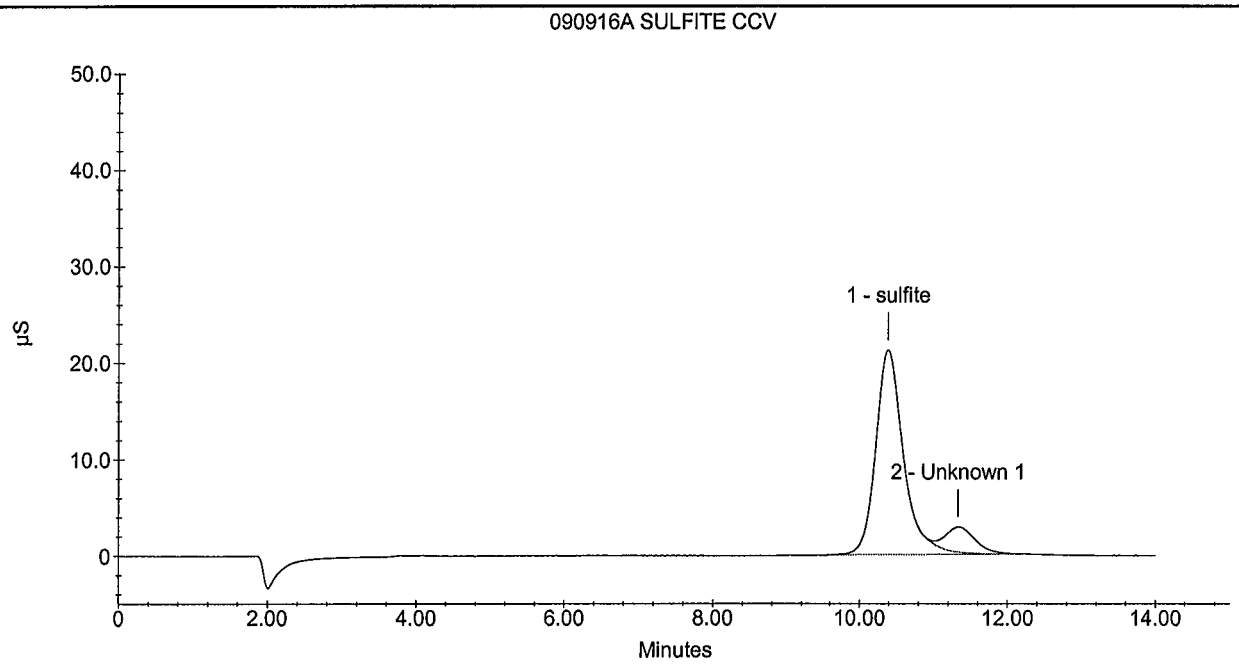
Sample Analysis Report

Sample Name : 090916A SULFITE CCV
Data File Name : i:\dionex\d1anions\data\090916a\090916A_020.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/16/09 2:07:02 PM
System Operator : pd
Injection Number : 20
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.39	sulfite	22.849	5559262	211214	
2	11.33	Unknown 1	0.000	719608	25801	



Sample Analysis Report

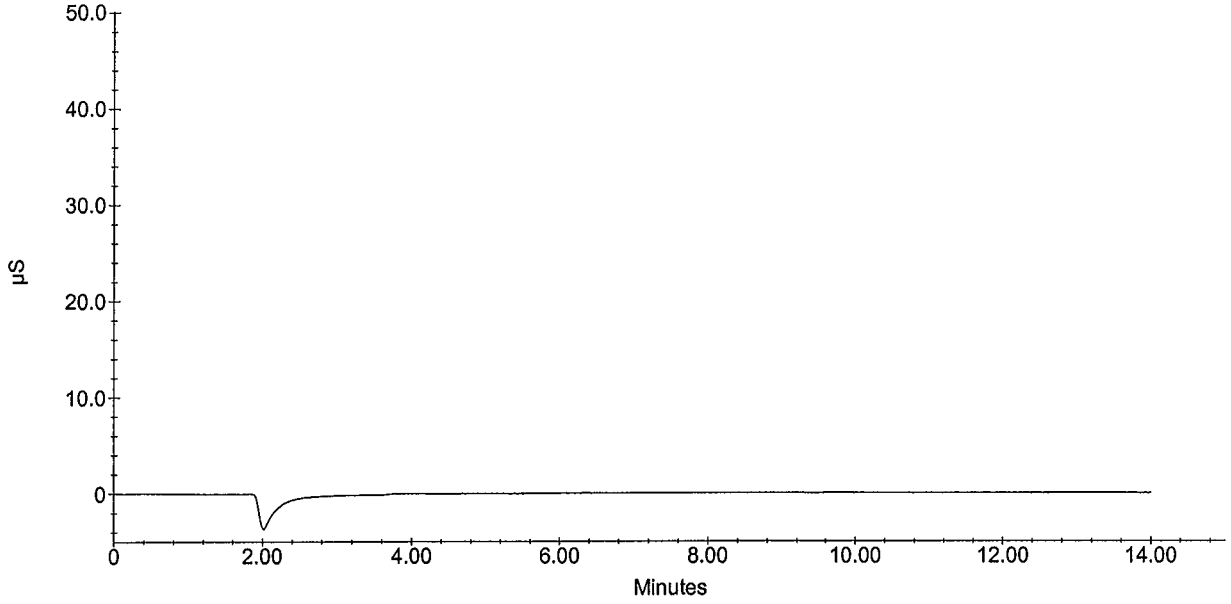
Sample Name : 090915A 300/SULFITE CCB
Data File Name : I:\Dionex\D1Anions\data\090916A\090916A_021.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/16/09 2:23:37 PM
System Operator : pd
Injection Number : 21
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090915A 300/SULFITE CCB



Sample Analysis Report

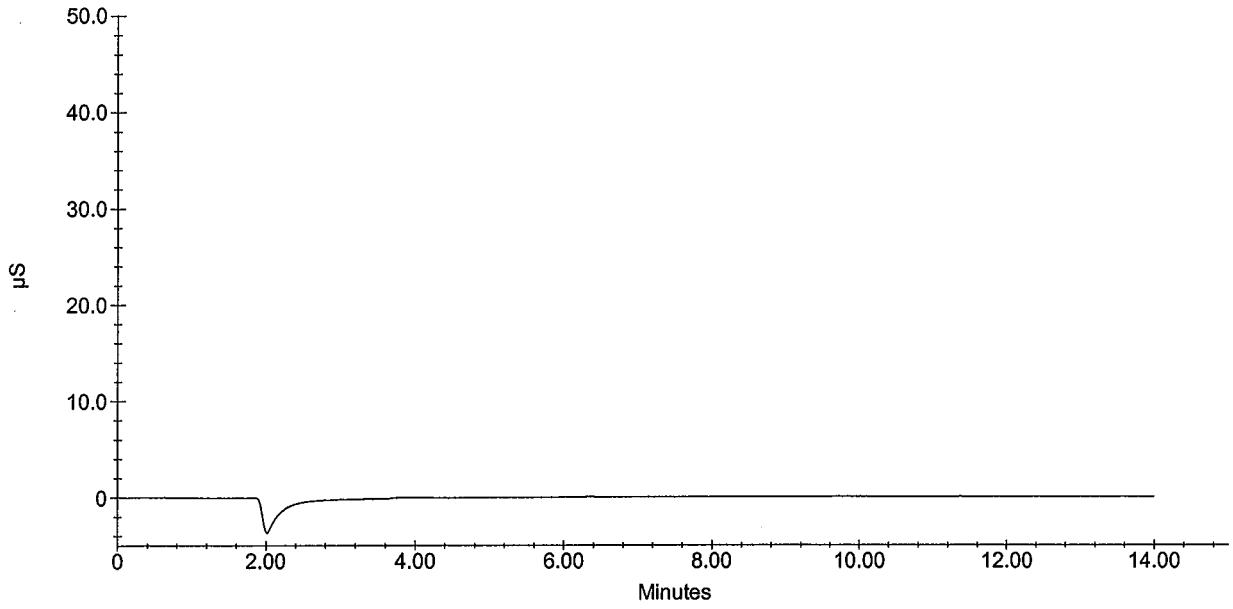
Sample Name : 090915A 300/SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090916a\090916A_021.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/16/09 14:23:37
System Operator : pd
Injection Number : 21
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090915A 300/SULFITE CCB



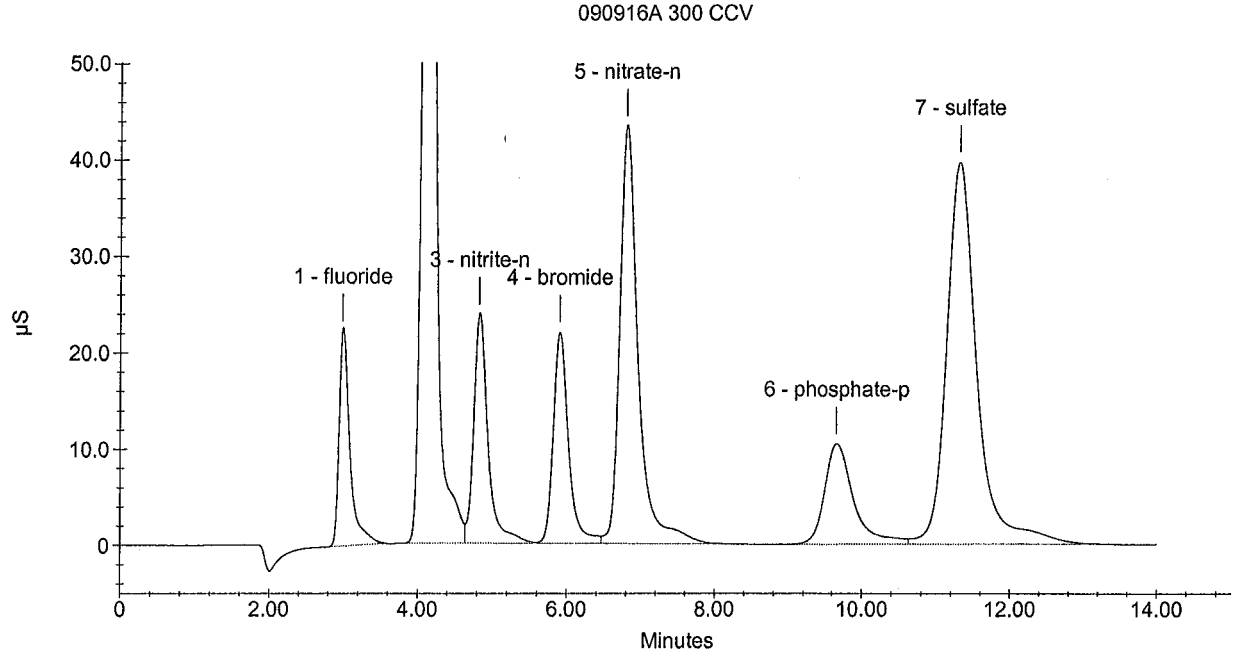
Sample Analysis Report

Sample Name : 090916A 300 CCV
Data File Name : i:\dionex\d1anions\data\090916a\090916A_028.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/16/09 16:21:34
System Operator : pd
Injection Number : 28
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	2.99	fluoride	2.3745	2299381	222433	
2	4.12	chloride	24.6124	17185304	1685895	
3	4.83	nitrite-n	2.5470	3141206	236792	
4	5.91	bromide	12.4291	3125724	218642	
5	6.80	nitrate-n	5.0995	7525799	432210	
6	9.65	phosphate-p	5.0909	2863090	104150	
7	11.32	sulfate	25.4954	11262630	395277	



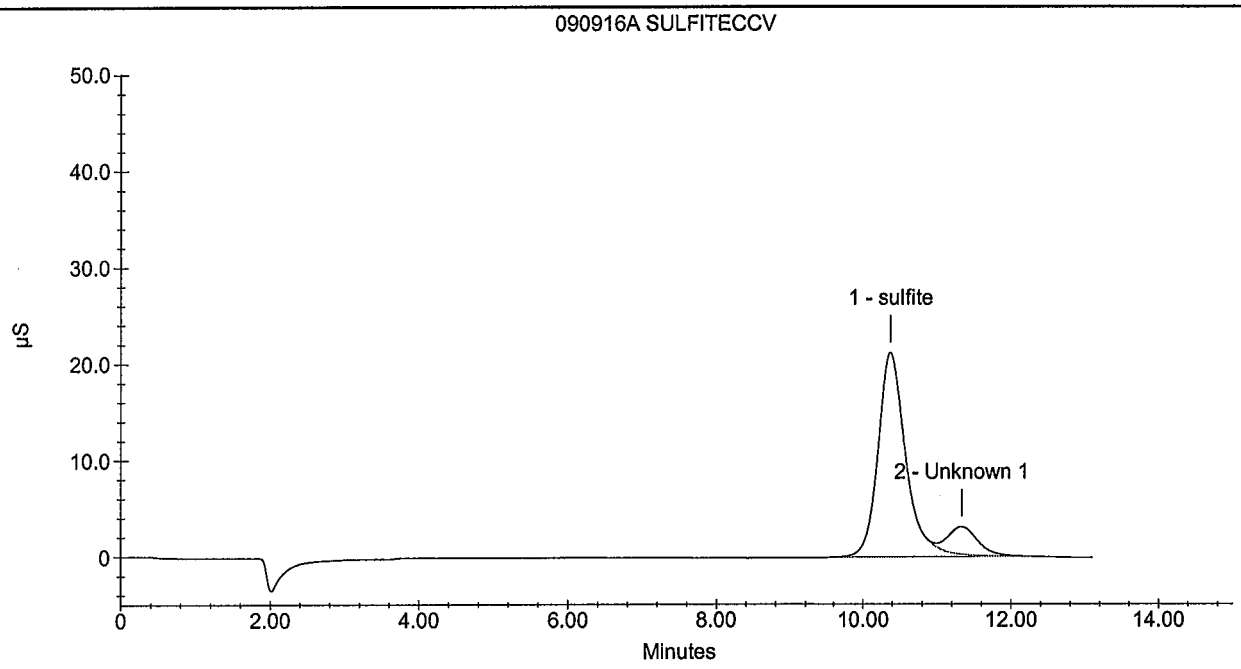
Sample Analysis Report

Sample Name : 090916A SULFITECCV
Data File Name : i:\dionex\d1anions\data\090916a\090916A_029.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/16/09 16:41:58
System Operator : pd
Injection Number : 29
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.37	sulfite	22.8673	5563805	211249	
2	11.33	Unknown 1	0.0000	790660	28611	



Sample Analysis Report

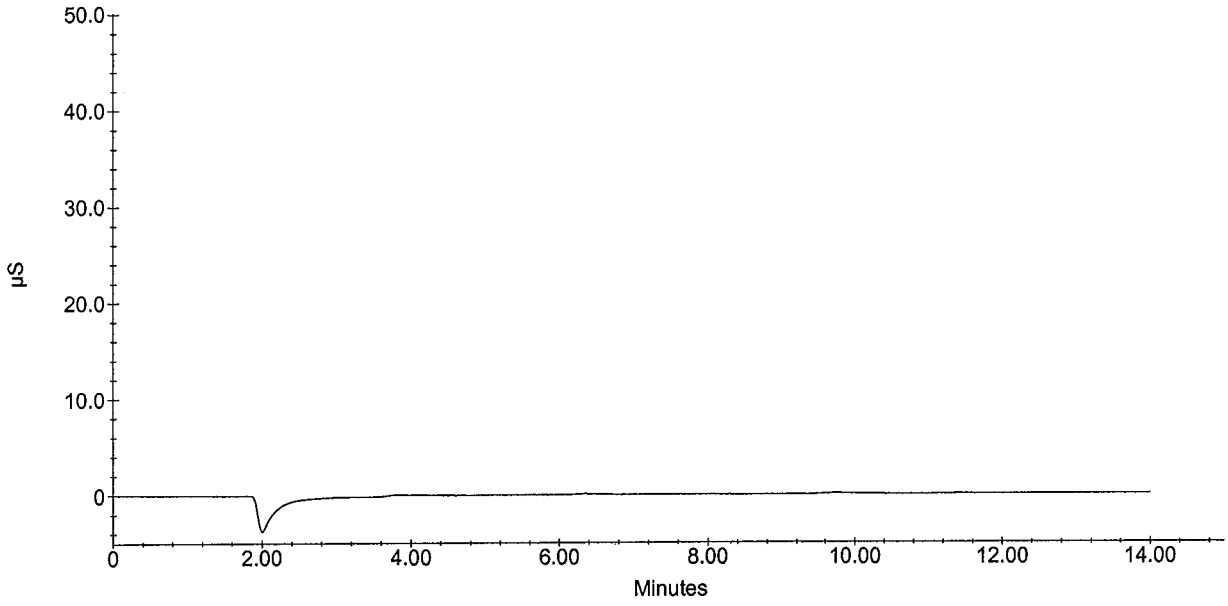
Sample Name : 090915A 300/SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090916a\090916A_031.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/16/09 5:14:32 PM
System Operator : pd
Injection Number : 31
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090915A 300/SULFITE CCB



Sample Analysis Report

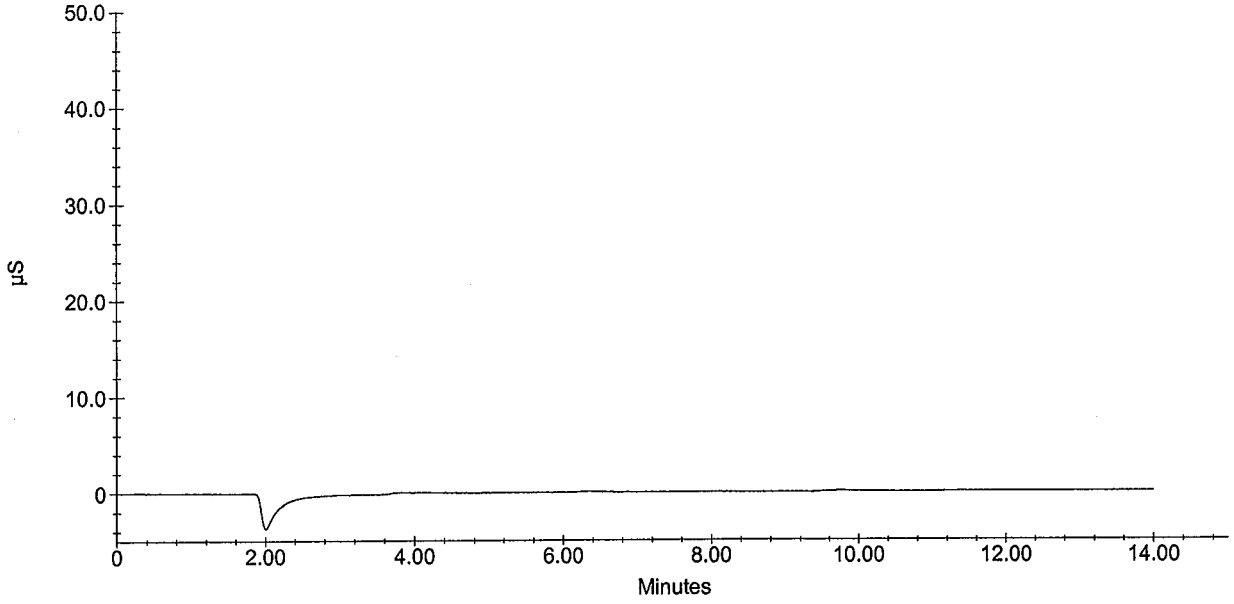
Sample Name : 090915A 300/SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090916a\090916A_031.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/16/09 17:14:32
System Operator : pd
Injection Number : 31
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090915A 300/SULFITE CCB



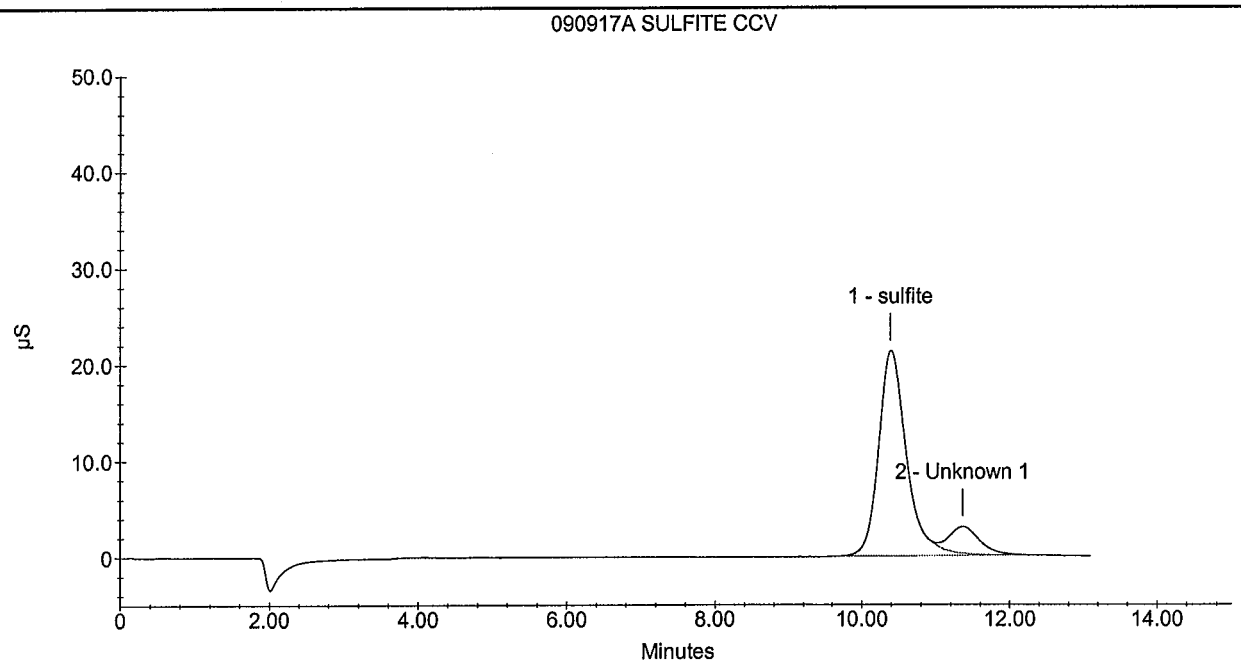
Sample Analysis Report

Sample Name : 090917A SULFITE CCV
Data File Name : i:\dionex\d1anions\data\090917a\090917A_003.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/17/09 8:56:21 AM
System Operator : pd
Injection Number : 3
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.39	sulfite	22.842	5557686	211836	
2	11.36	Unknown 1	0.000	773097	27487	



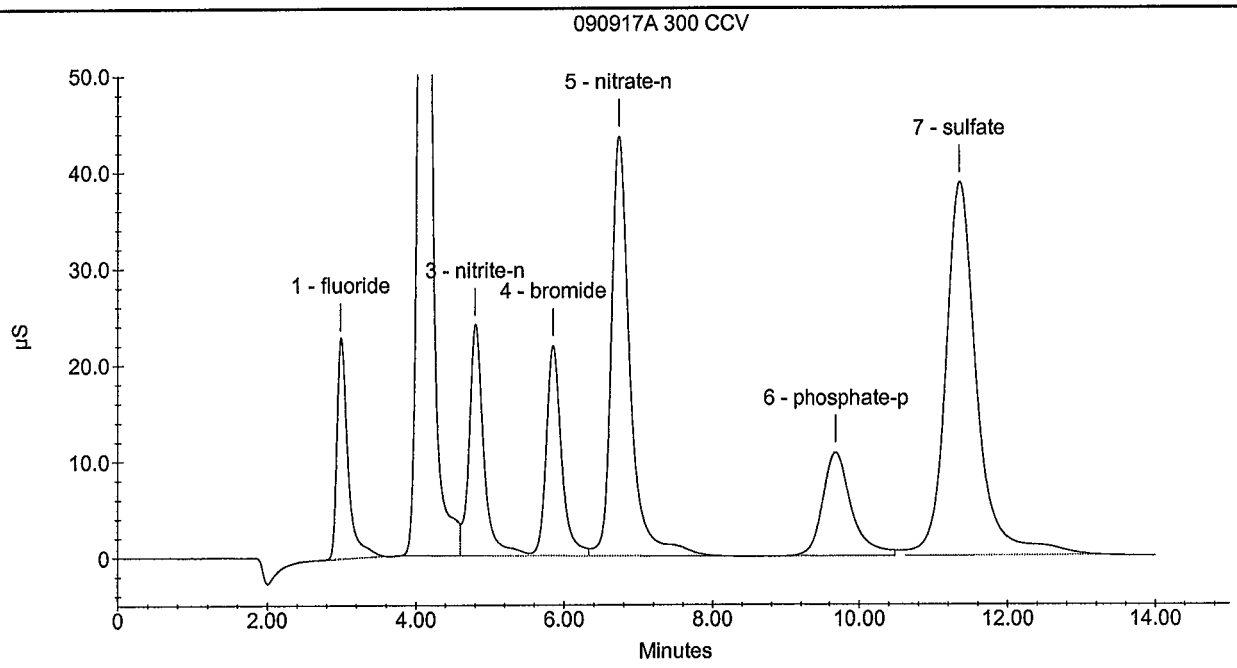
Sample Analysis Report

Sample Name : 090917A 300 CCV
Data File Name : i:\dionex\d1anions\data\090917a\090917A_005.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/17/09 9:22:03 AM
System Operator : pd
Injection Number : 5
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	2.99	fluoride	2.411	2336202	226282	
2	4.11	chloride	24.427	17050198	1668650	
3	4.80	nitrite-n	2.633	3250040	238516	
4	5.85	bromide	12.331	3100567	217721	
5	6.73	nitrate-n	5.138	7584174	434553	
6	9.68	phosphate-p	5.164	2903303	107292	
7	11.35	sulfate	25.414	11225863	386059	



Sample Analysis Report

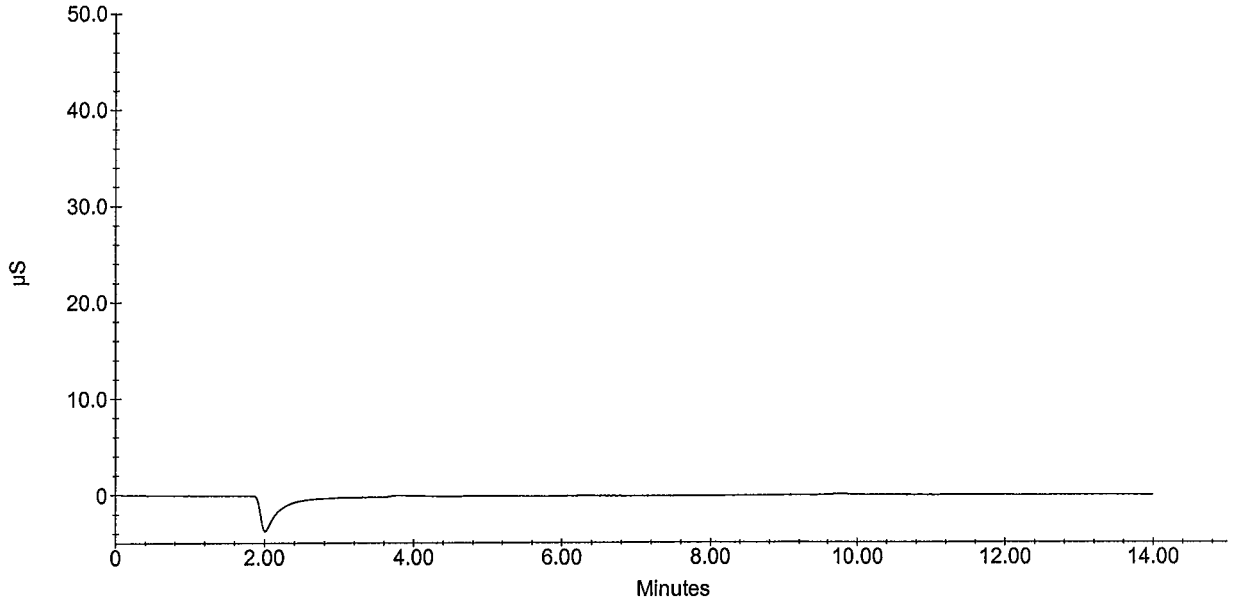
Sample Name : 090917A 300/SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090917a\090917A_008.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/17/09 10:11:22 AM
System Operator : pd
Injection Number : 8
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090917A 300/SULFITE CCB



Sample Analysis Report

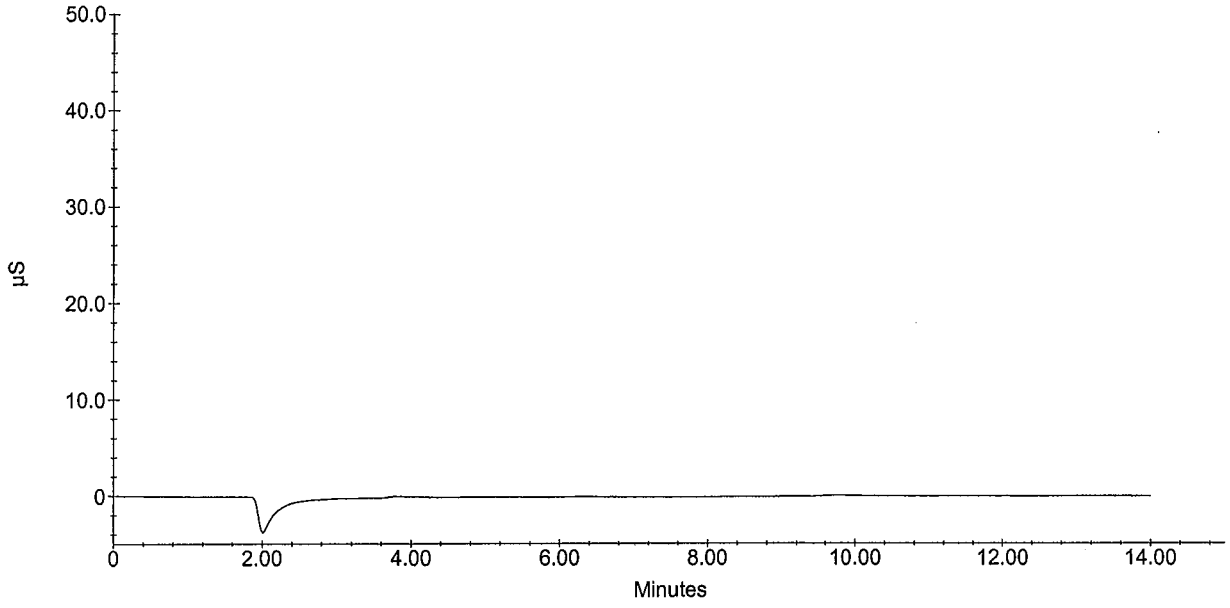
Sample Name : 090917A 300/SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090917a\090917A_008.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/17/09 10:11:22 AM
System Operator : pd
Injection Number : 8
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090917A 300/SULFITE CCB



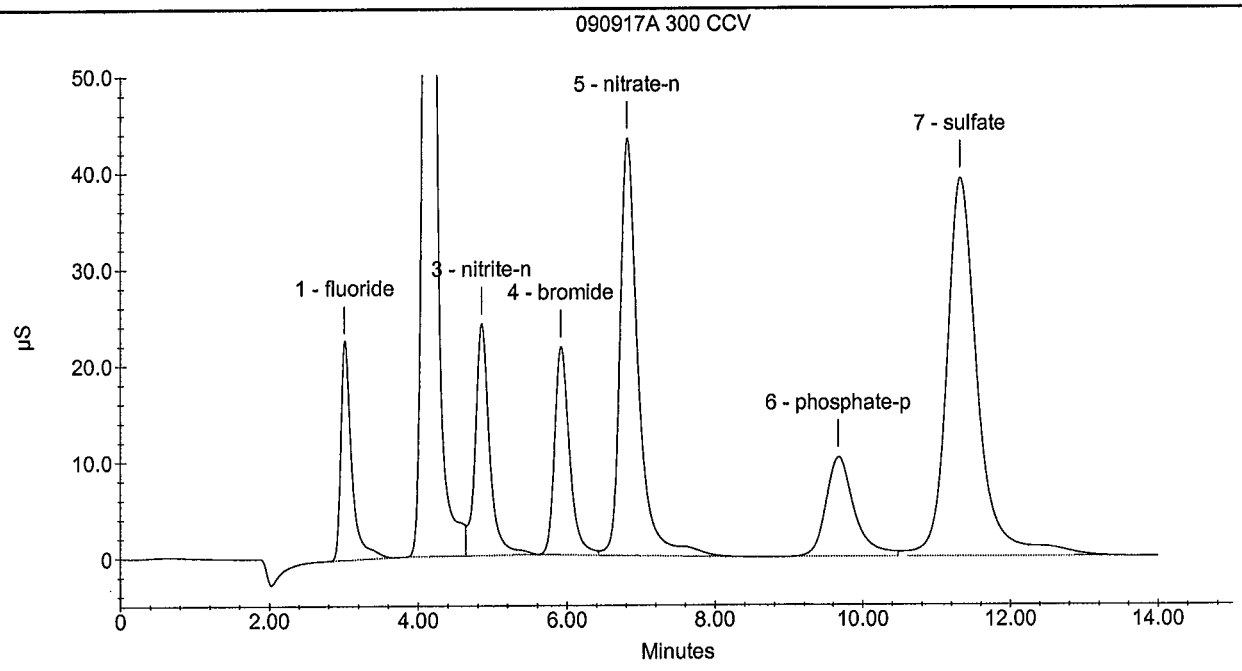
Sample Analysis Report

Sample Name : 090917A 300 CCV
Data File Name : i:\dionex\d1anions\data\090917a\090917A_019.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/17/09 1:20:54 PM
System Operator : pd
Injection Number : 19
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.01	fluoride	2.385	2309518	224819	
2	4.15	chloride	24.454	17069593	1694180	
3	4.85	nitrite-n	2.585	3189047	239872	
4	5.92	bromide	11.933	2998157	215151	
5	6.81	nitrate-n	5.079	7494464	431709	
6	9.67	phosphate-p	4.903	2760180	103044	
7	11.32	sulfate	25.610	11314429	391754	



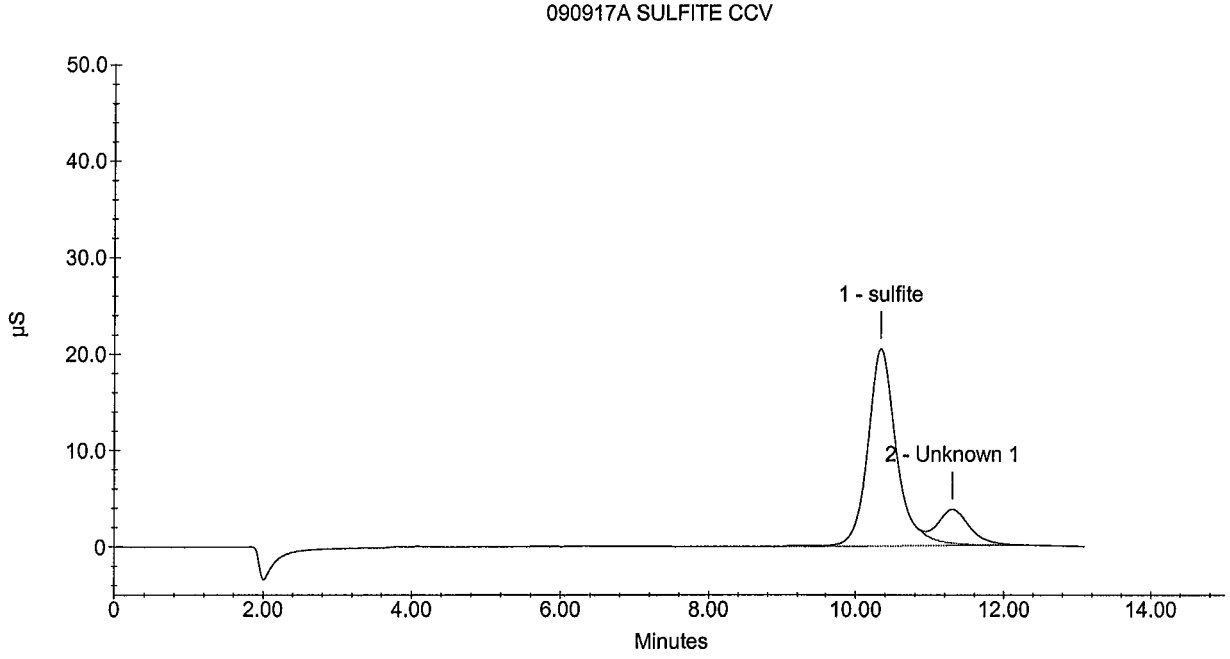
Sample Analysis Report

Sample Name : 090917A SULFITE CCV
Data File Name : i:\dionex\d1anions\data\090917a\090917A_021.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/17/09 2:00:28 PM
System Operator : pd
Injection Number : 21
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.33	sulfite	22.698	5522786	203527	
2	11.31	Unknown 1	0.000	1011386	34940	



Sample Analysis Report

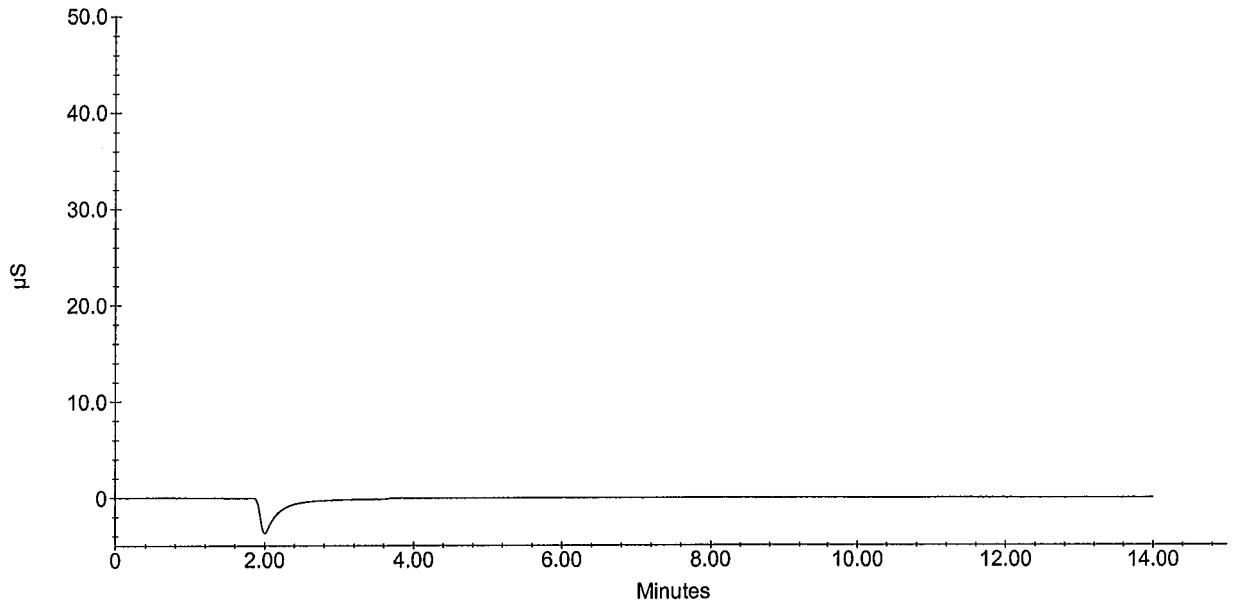
Sample Name : 090917A 300/SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090917a\090917A_022.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/17/09 2:16:14 PM
System Operator : pd
Injection Number : 22
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090917A 300/SULFITE CCB



Sample Analysis Report

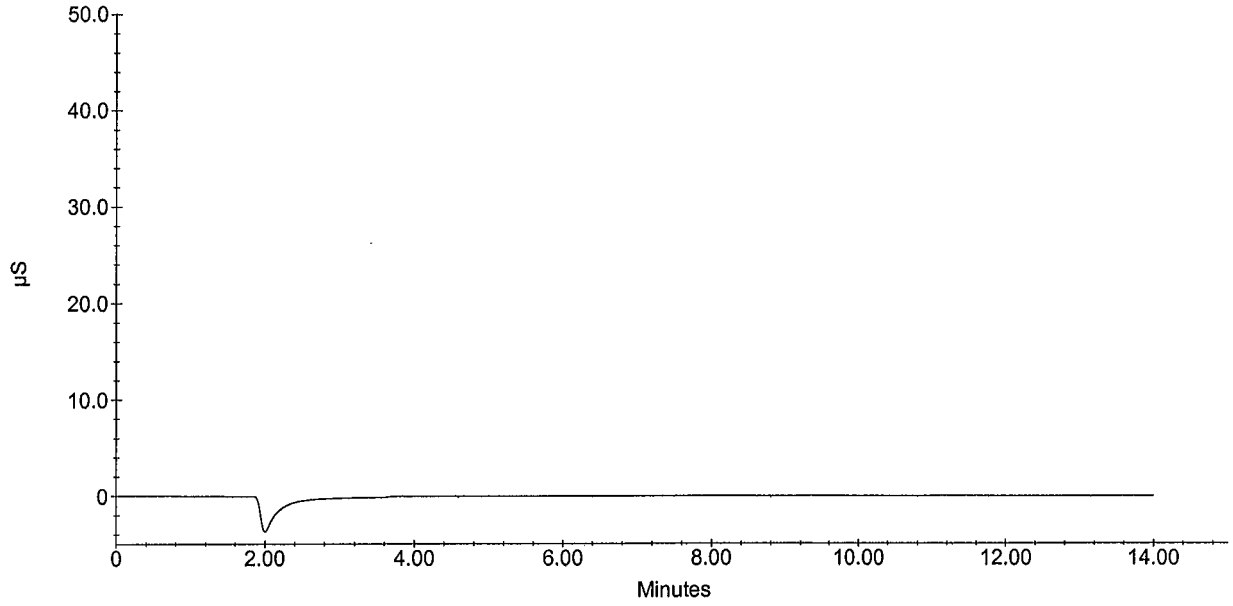
Sample Name : 090917A 300/SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090917a\090917A_022.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/17/09 2:16:14 PM
System Operator : pd
Injection Number : 22
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090917A 300/SULFITE CCB



INORGANIC ANALYSIS
Raw Data

APPL, INC.

WETLAB BLANK

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Analyte	Result	PQL	MDL	Units	Prep Date	Analysis Date	QC Group
EPA 300.0	Fluoride	Not detected	1.0	0.08	mg/L	09/14/09	09/14/09	$300WS-090914A-AY03188
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	5.00	mg/L	09/14/09	09/14/09	$300WS-090914A-AY03188
EPA 300.0	Fluoride	Not detected	1.0	0.08	mg/L	09/15/09	09/15/09	$300WS-090915A1-AY03203
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	5.00	mg/L	09/15/09	09/15/09	$300WS-090915A1-AY03203
EPA 300.0	Fluoride	Not detected	1.0	0.08	mg/L	09/16/09	09/16/09	$300WS-090915A-AY03220
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	5.00	mg/L	09/16/09	09/16/09	$300WS-090915A-AY03220
EPA 300.0	Fluoride	Not detected	1.0	0.08	mg/L	09/17/09	09/17/09	$300WS-090916A-AY03229
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	5.00	mg/L	09/17/09	09/17/09	$300WS-090916A-AY03229

Sample Analysis Report

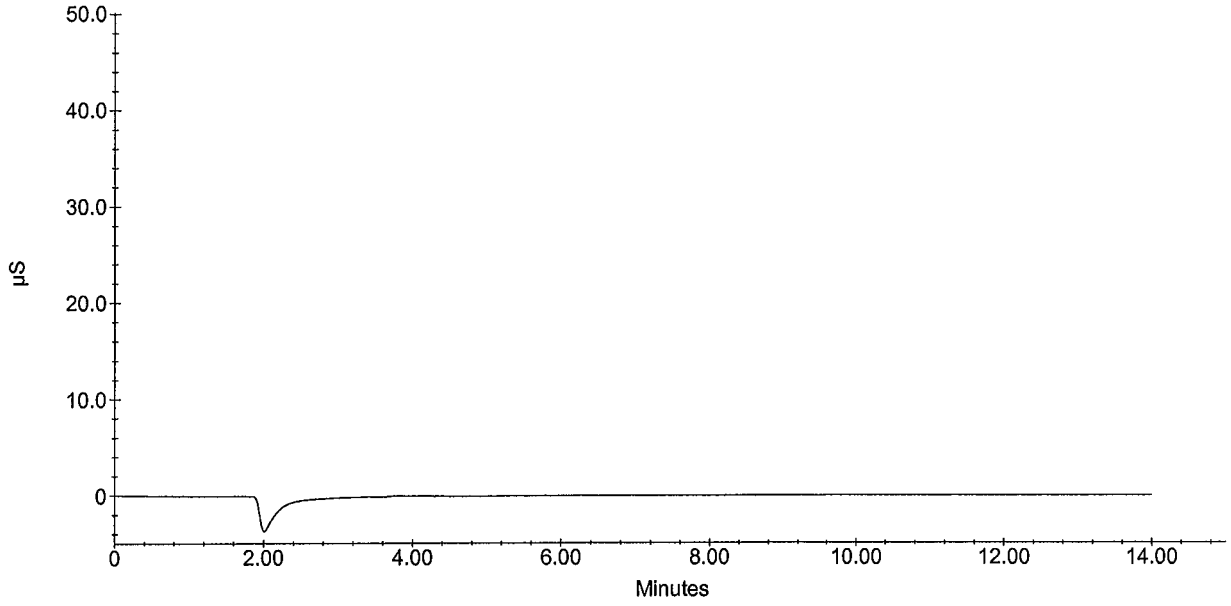
Sample Name : 090914A 300/SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090914a\090914a_005.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/14/09 11:45:17 AM
System Operator : pd
Injection Number : 5
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090914A 300/SULFITE CCB



Sample Analysis Report

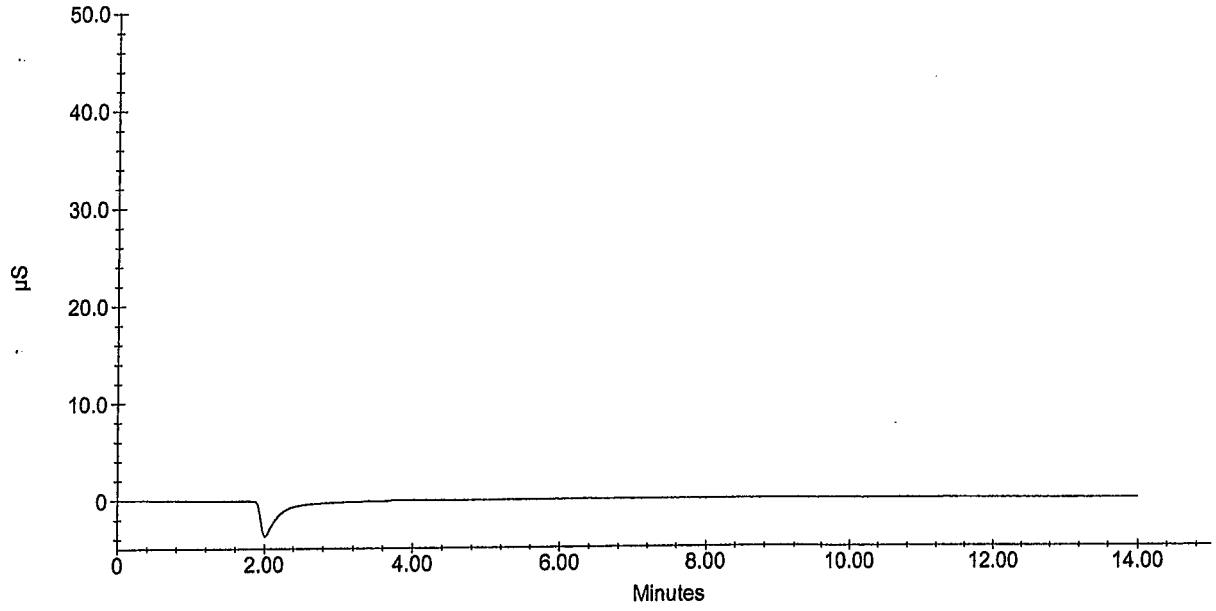
Sample Name : 090914A 300/SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090914a\090914a_005.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/14/09 11:45:17
System Operator : pd
Injection Number : 5
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090914A 300/SULFITE CCB



Sample Analysis Report

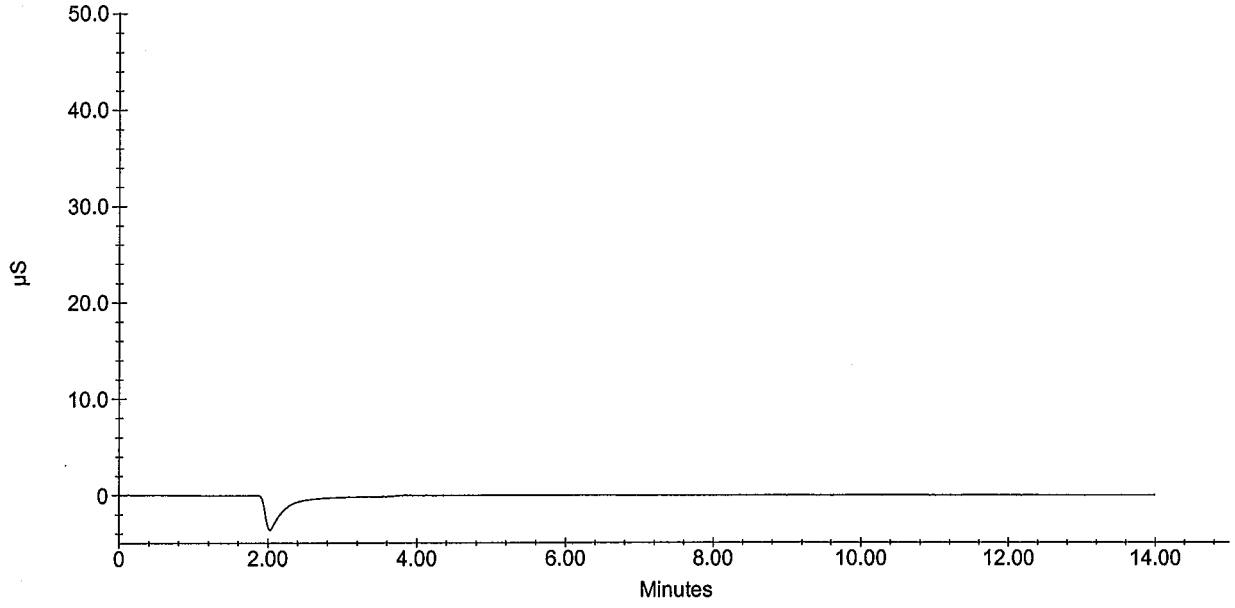
Sample Name : 090915A 300/SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090915a\090915A_005.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/15/09 09:27:50
System Operator : pd
Injection Number : 5
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090915A 300/SULFITE CCB



Sample Analysis Report

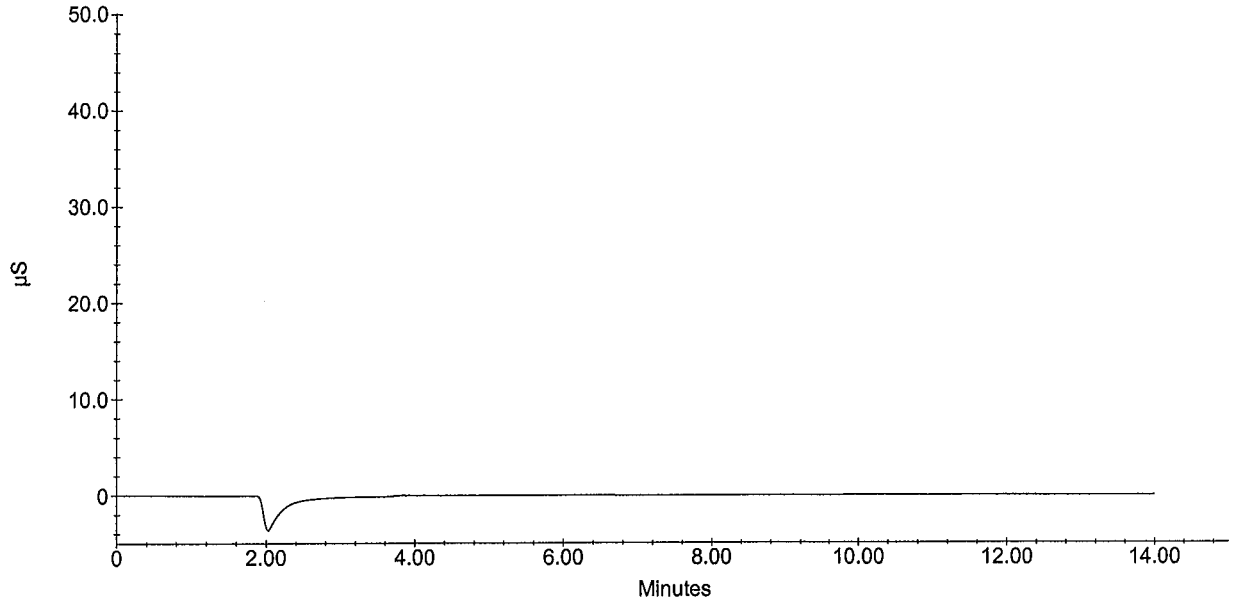
Sample Name : 090915A 300/SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090915a\090915A_005.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/15/09 9:27:50 AM
System Operator : pd
Injection Number : 5
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090915A 300/SULFITE CCB



Sample Analysis Report

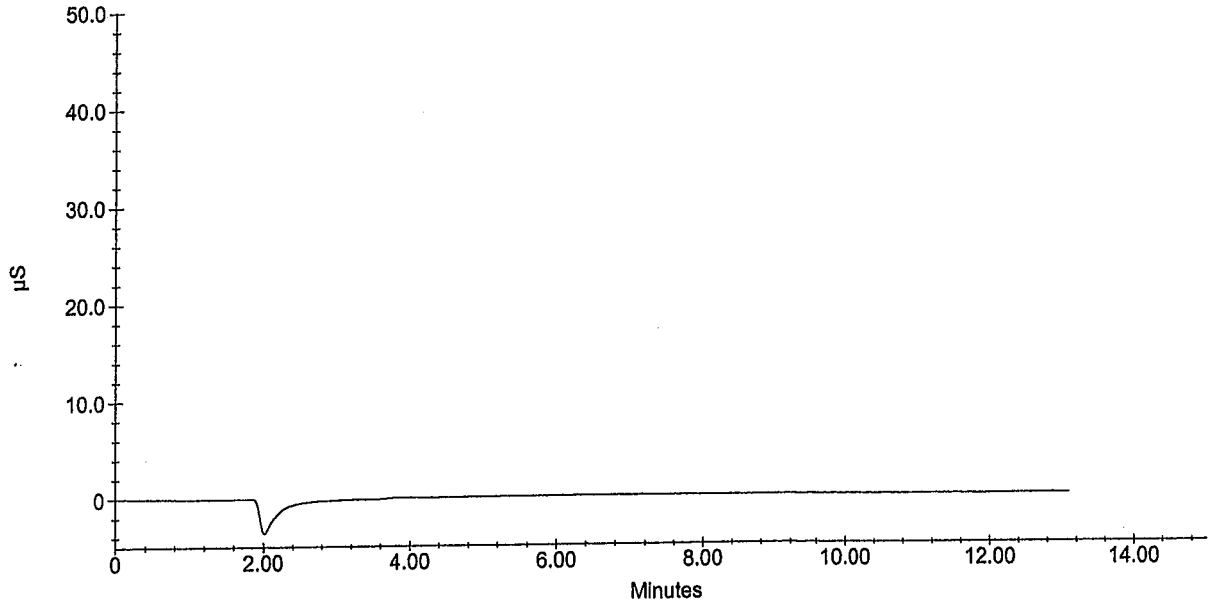
Sample Name : 090915A 300/SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090916a\090916A_005.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/16/09 09:39:49
System Operator : pd
Injection Number : 5
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090915A 300/SULFITE CCB



Sample Analysis Report

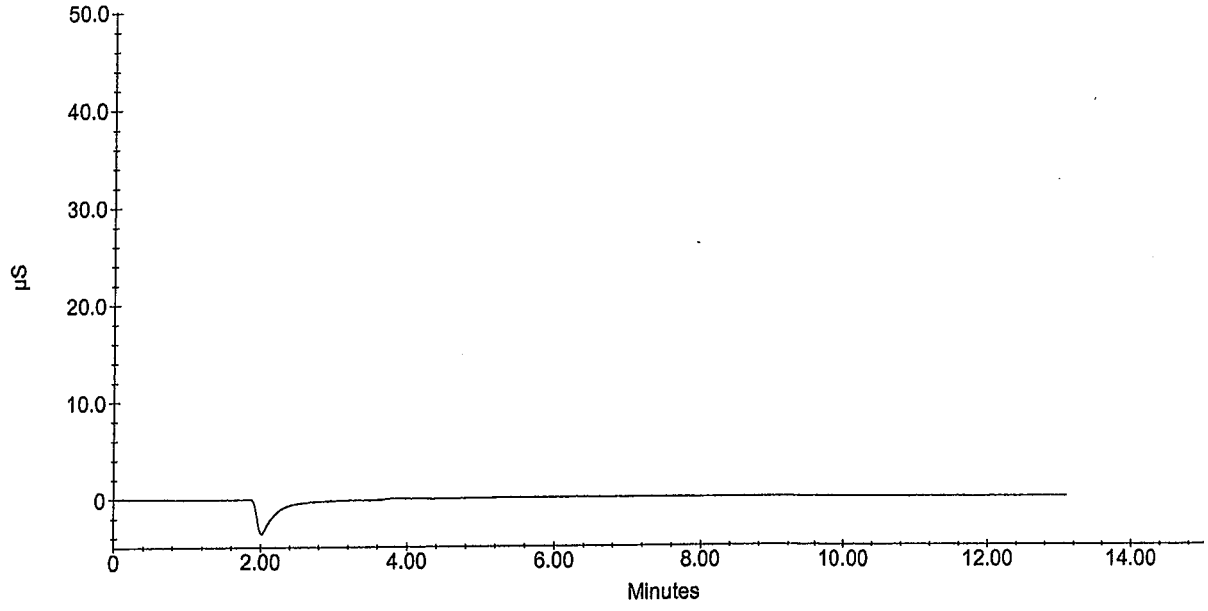
Sample Name : 090915A 300/SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090916a\090916A_005.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/16/09 9:39:49 AM
System Operator : pd
Injection Number : 5
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090915A 300/SULFITE CCB



Sample Analysis Report

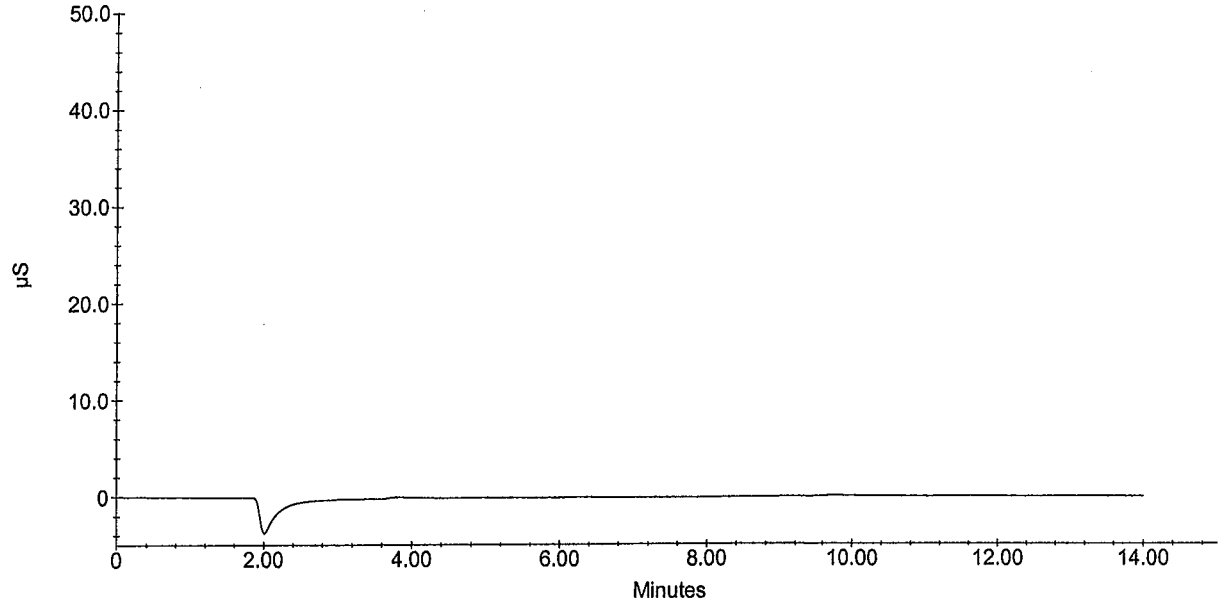
Sample Name : 090917A 300/SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090917a\090917A_008.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/17/09 10:11:22 AM
System Operator : pd
Injection Number : 8
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090917A 300/SULFITE CCB



Sample Analysis Report

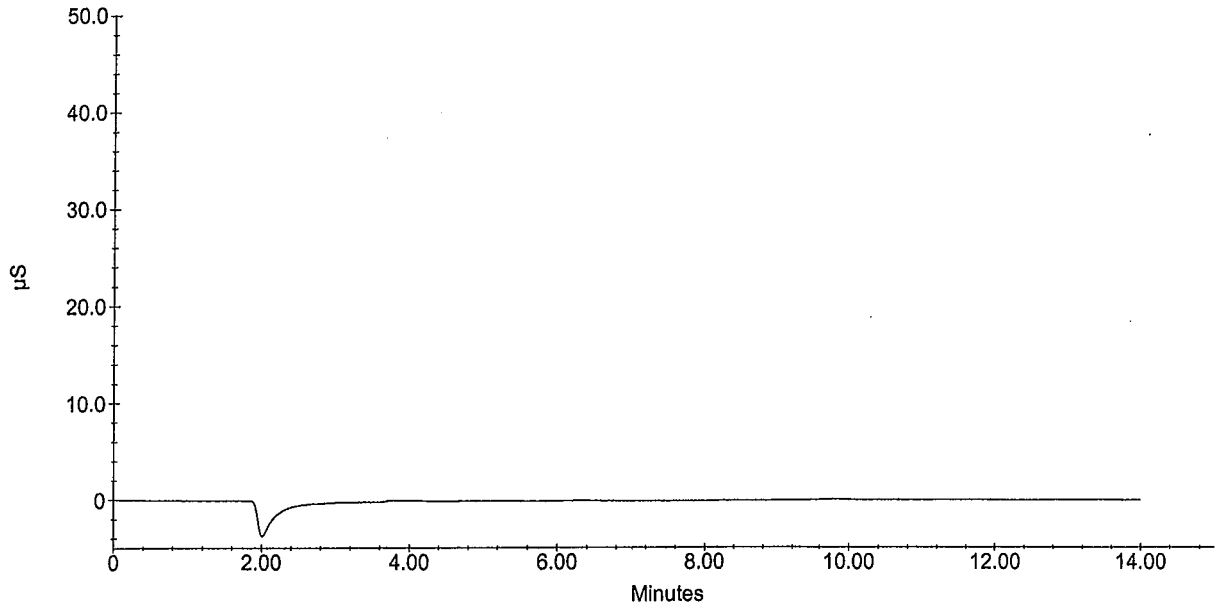
Sample Name : 090917A 300/SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090917a\090917A_008.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/17/09 10:11:22 AM
System Operator : pd
Injection Number : 8
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed

090917A 300/SULFITE CCB



Laboratory Control Spike Recovery

WETLAB

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Compound Name	Spike Level mg/L	SPK Result mg/L	SPK % Recovery	Recovery Limits	Extract Date	Analysis Date	QC Group
EPA 300.0	Fluoride	5.00	4.96	99.2	90-110	9/14/2009	9/14/2009	$300WS-090914A-AY03188
EPA 300.0	Sulfate/Sulfite total	50.0	49.6	99.2	90-110	9/14/2009	9/14/2009	$300WS-090914A-AY03188

Comments: _____

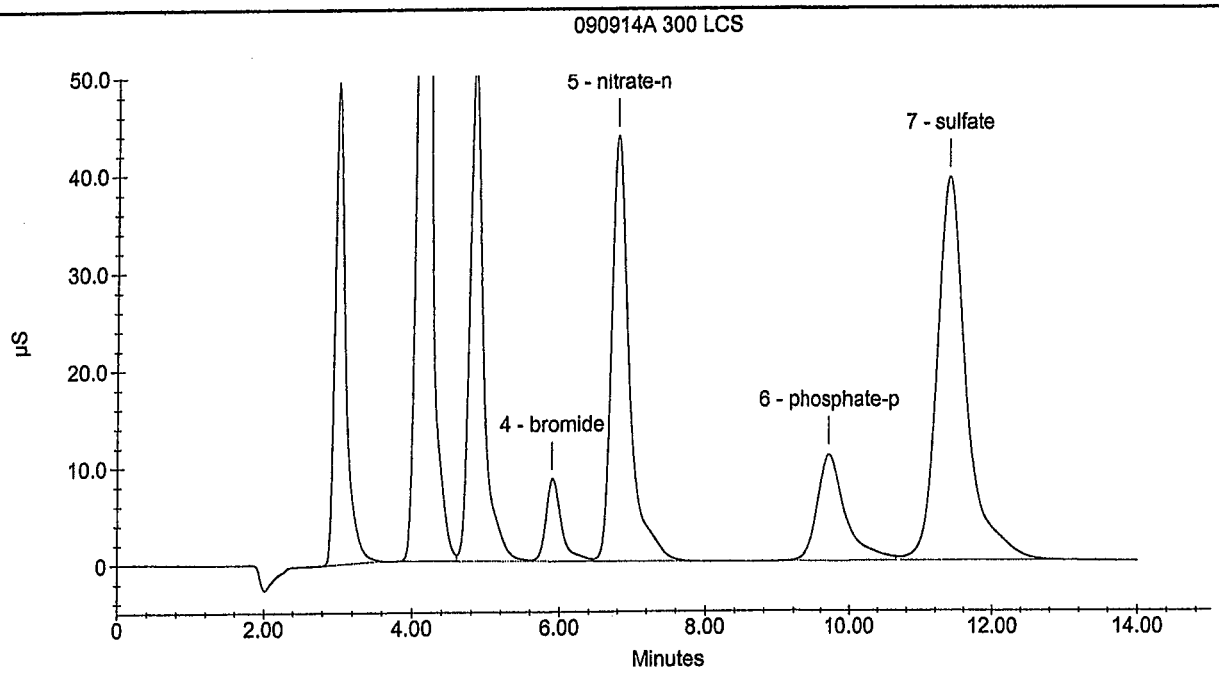
Sample Analysis Report

Sample Name : 090914A 300 LCS
Data File Name : i:\dionex\d1anions\data\090914a\090914a_006.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/14/09 12:01:53
System Operator : pd
Injection Number : 6
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.00	fluoride	4.9641	4898500	492448	
2	4.13	chloride	24.8460	17355964	1736870	
3	4.84	nitrite-n	5.2504	6559672	508934	+
4	5.89	bromide	5.1225	1245543	83880	
5	6.79	nitrate-n	5.0847	7503314	435261	
6	9.71	phosphate-p	5.4326	3050628	109071	
7	11.39	sulfate	25.5073	11267981	392512	



Sample Analysis Report

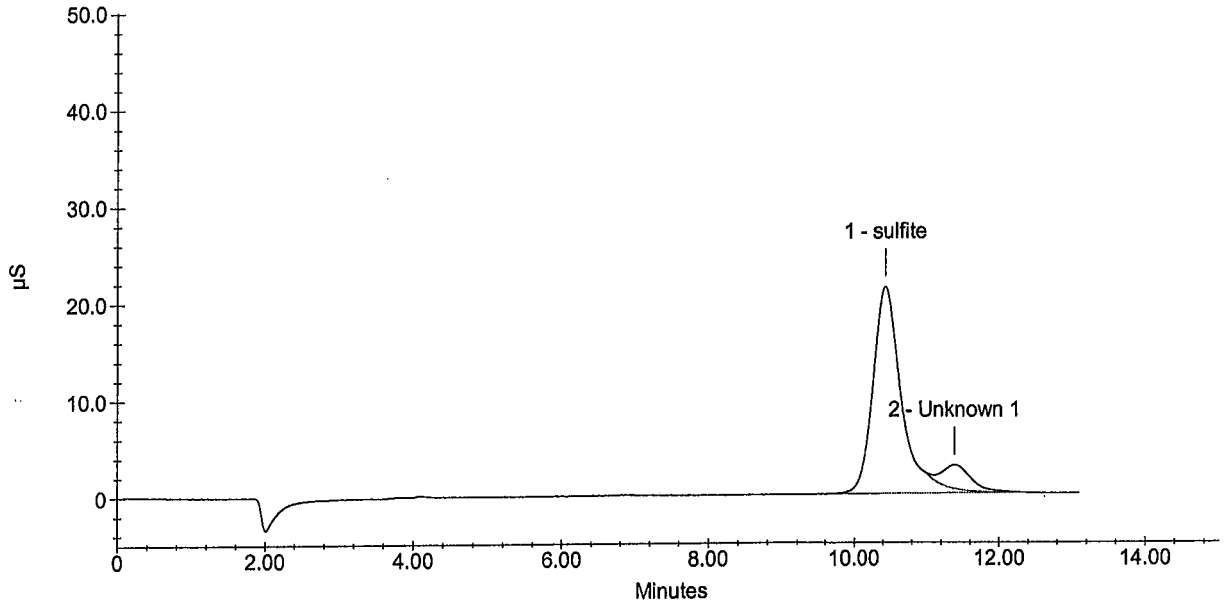
Sample Name : 090914A SULFITE LCS
Data File Name : i:\dionex\d1anions\data\090914a\090914a_004.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/14/09 11:29:36
System Operator : pd
Injection Number : 4
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.43	sulfite	24.0813	5858264	212783	
2	11.39	Unknown 1	0.0000	676151	24739	

090914A SULFITE LCS



Laboratory Control Spike Recovery

WETLAB

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Compound Name	Spike Level mg/L	SPK Result mg/L	SPK % Recovery	Recovery Limits	Extract Date	Analysis Date	QC Group
EPA 300.0	Fluoride	5.00	4.96	99.2	90-110	9/15/2009	9/15/2009	$300WS-090915A1-AY03203
EPA 300.0	Sulfate/Sulfite total	50.0	49.1	98.2	90-110	9/15/2009	9/15/2009	$300WS-090915A1-AY03203

Comments: _____

Printed: 9/22/2009 9:38:37 AM
APPL Standard LCS

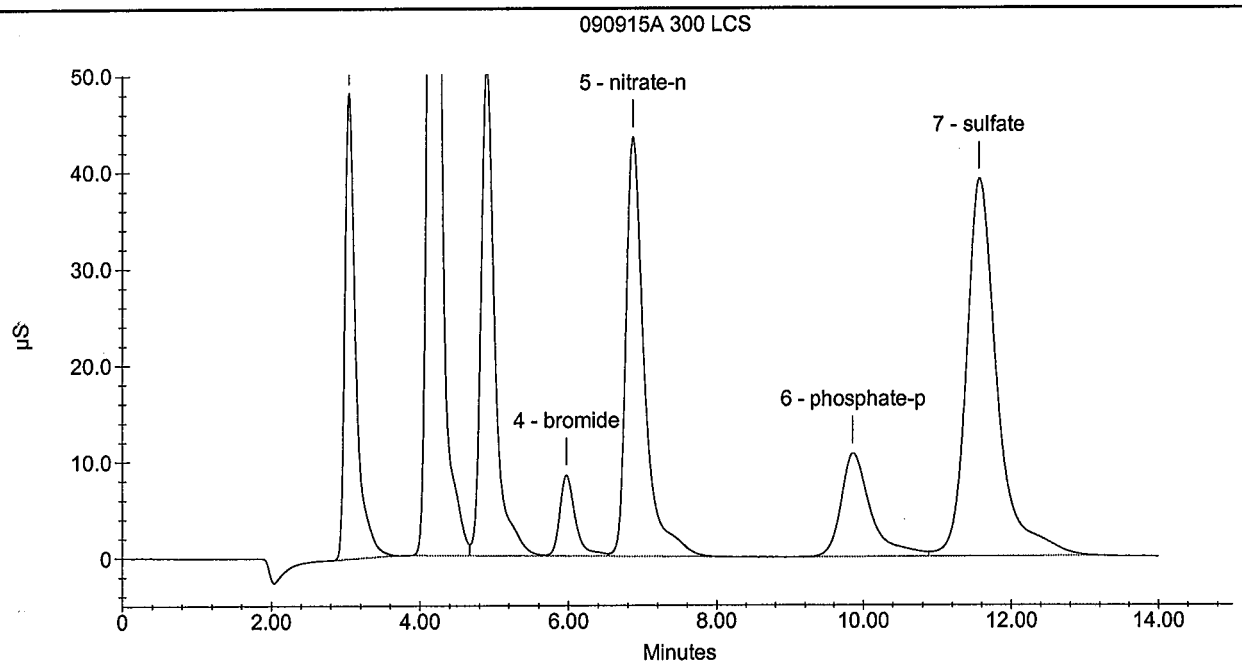
Sample Analysis Report

Sample Name : 090915A 300 LCS
Data File Name : i:\dionex\d1anions\data\090915a\090915A_008.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/15/09 10:21:50
System Operator : pd
Injection Number : 8
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.04	fluoride	4.9569	4891315	480260	
2	4.19	chloride	24.7619	17294514	1707545	
3	4.89	nitrite-n	5.2570	6568031	503799	+
4	5.97	bromide	5.0085	1216207	83430	
5	6.87	nitrate-n	5.0729	7485460	433276	
6	9.85	phosphate-p	5.3901	3027264	106771	
7	11.56	sulfate	25.5263	11276594	389576	



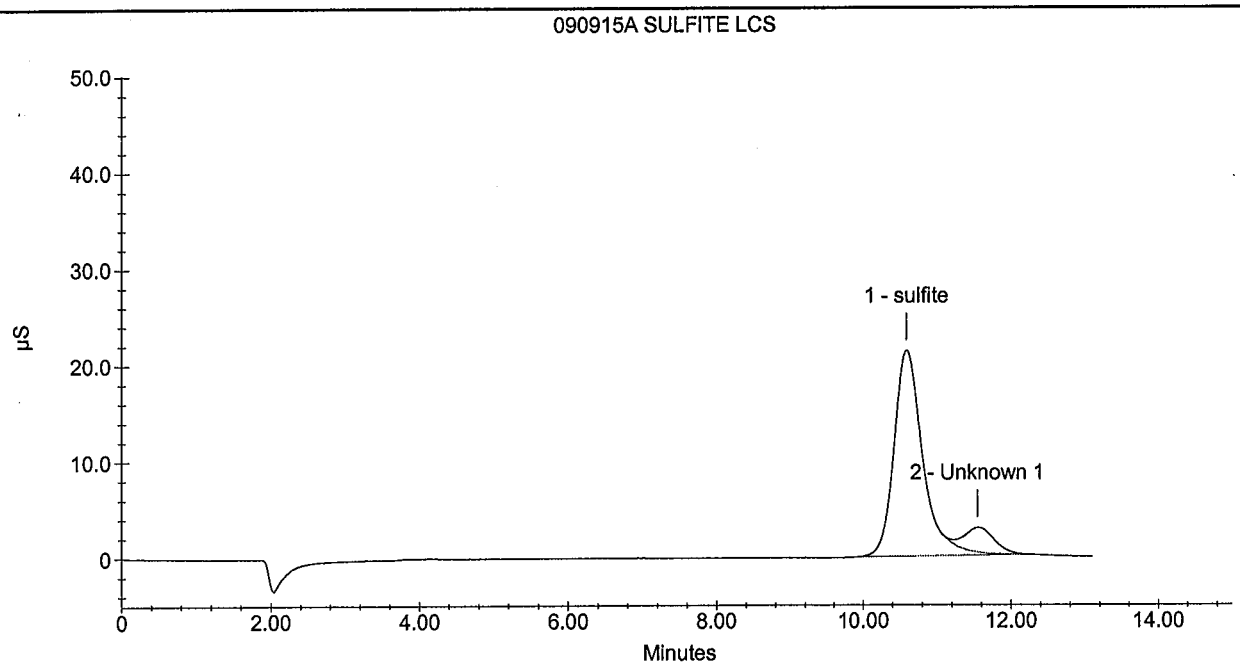
Sample Analysis Report

Sample Name : 090915A SULFITE LCS
Data File Name : i:\dionex\d1anions\data\090915a\090915A_007.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/15/09 10:06:06
System Operator : pd
Injection Number : 7
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.59	sulfite	23.5982	5741079	212868	
2	11.55	Unknown 1	0.0000	707415	25602	



Laboratory Control Spike Recovery

WETLAB

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Compound Name	Spike Level mg/L	SPK Result mg/L	SPK % Recovery	Recovery Limits	Extract Date	Analysis Date	QC Group
EPA 300.0	Fluoride	5.00	4.92	98.4	90-110	9/16/2009	9/16/2009	$300WS-090915A-AY03220
EPA 300.0	Sulfate/Sulfite total	50.0	48.4	96.8	90-110	9/16/2009	9/16/2009	$300WS-090915A-AY03220

Comments: _____

Printed: 9/22/2009 9:38:37 AM
APPL Standard LCS

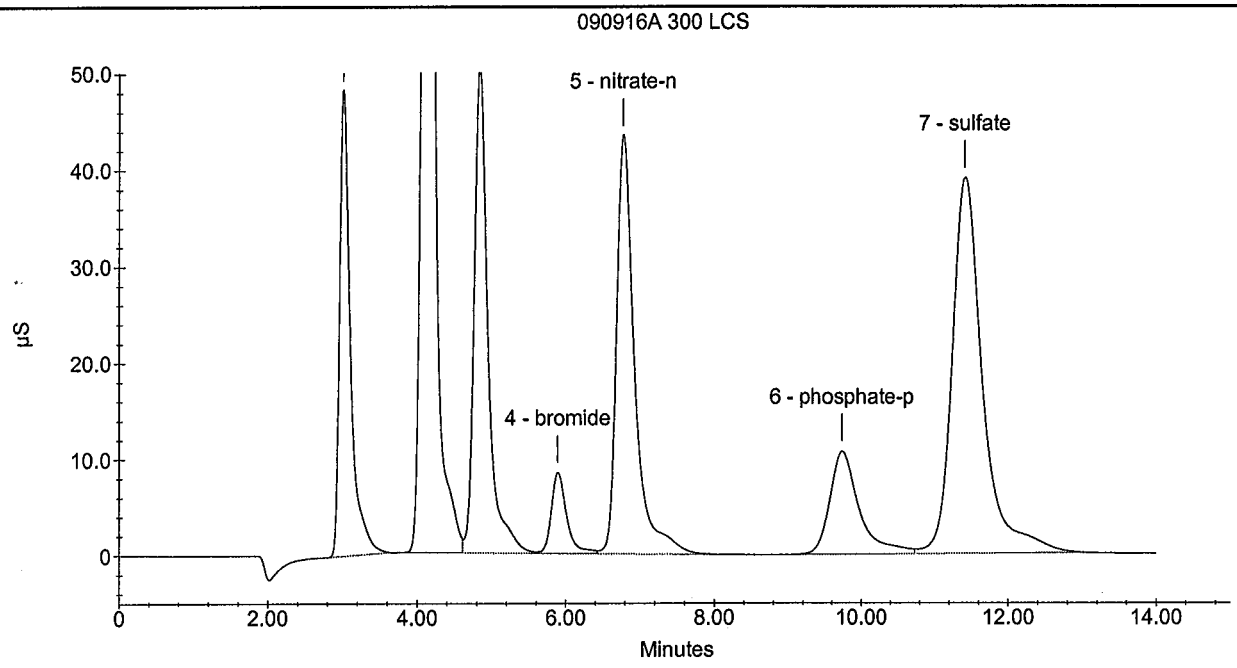
Sample Analysis Report

Sample Name : 090916A 300 LCS
Data File Name : i:\dionex\d1anions\data\090916a\090916A_006.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/16/09 9:55:33 AM
System Operator : pd
Injection Number : 6
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.01	fluoride	4.924	4858349	481874	
2	4.13	chloride	24.308	16962899	1684109	
3	4.84	nitrite-n	5.197	6492138	504926	+
4	5.89	bromide	4.960	1203679	83573	
5	6.77	nitrate-n	5.020	7405623	432925	
6	9.73	phosphate-p	5.307	2981543	106716	
7	11.41	sulfate	25.098	11082967	389000	



Sample Analysis Report

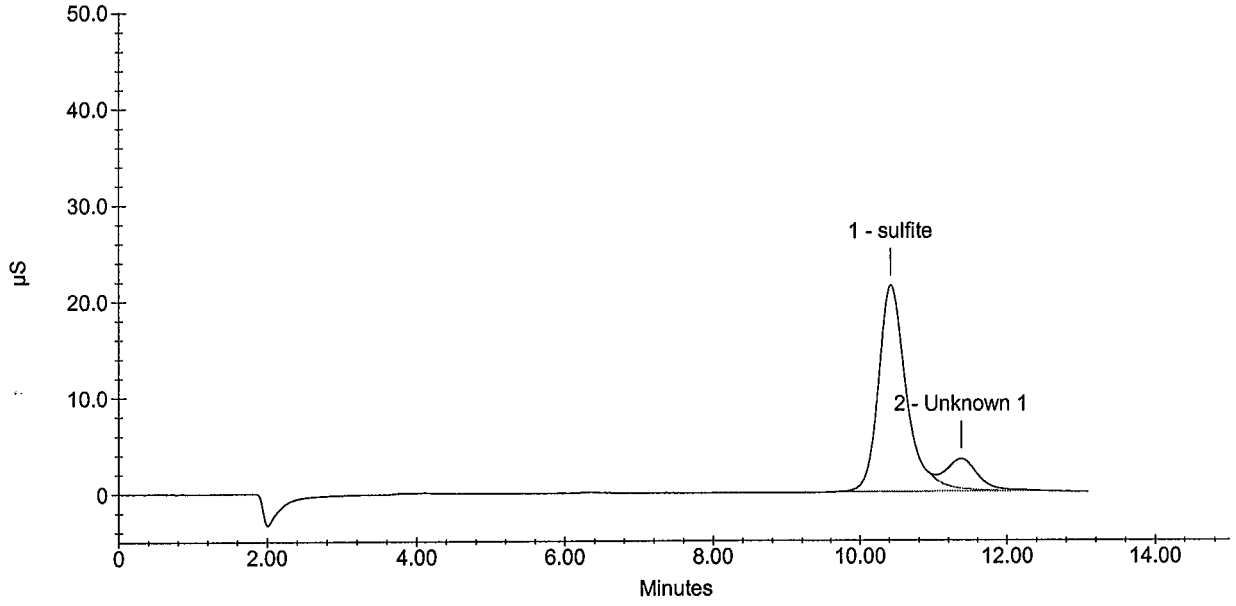
Sample Name : 090916A SULFITE LCS
Data File Name : i:\dionex\d1anions\data\090916a\090916A_004.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/16/09 09:23:50
System Operator : pd
Injection Number : 4
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.41	sulfite	23.2537	5657528	213089	
2	11.37	Unknown 1	0.0000	893039	30855	

090916A SULFITE LCS



Laboratory Control Spike Recovery

WETLAB

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Compound Name	Spike Level mg/L	SPK Result mg/L	SPK % Recovery	Recovery Limits	Extract Date	Analysis Date	QC Group
EPA 300.0	Fluoride	5.00	5.05	101	90-110	9/17/2009	9/17/2009	$300WS-090916A-AY03229
EPA 300.0	Sulfate/Sulfite total	50.0	48.6	97.2	90-110	9/17/2009	9/17/2009	$300WS-090916A-AY03229

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Comments: _____

Printed: 9/22/2009 9:38:37 AM
APPL Standard LCS

Sample Analysis Report

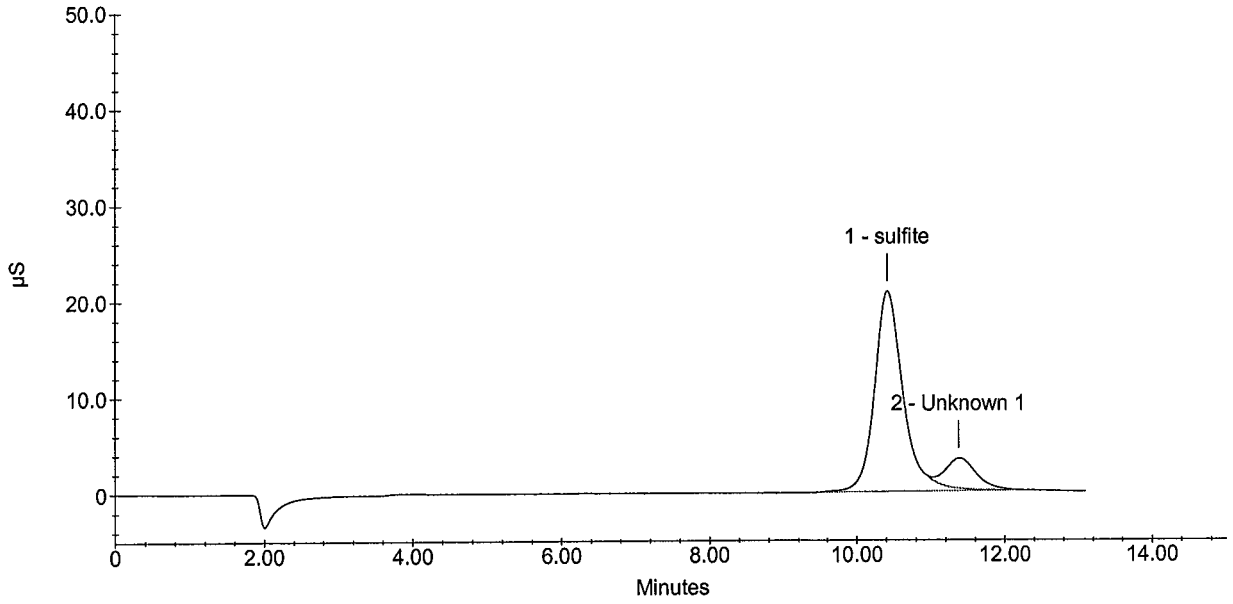
Sample Name : 090917A SULFITE LCS
Data File Name : i:\dionex\d1anions\data\090917a\090917A_006.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/17/09 9:38:54 AM
System Operator : pd
Injection Number : 6
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.41	sulfite	22.960	5586268	207197	
2	11.37	Unknown 1	0.000	889138	31046	

090917A SULFITE LCS



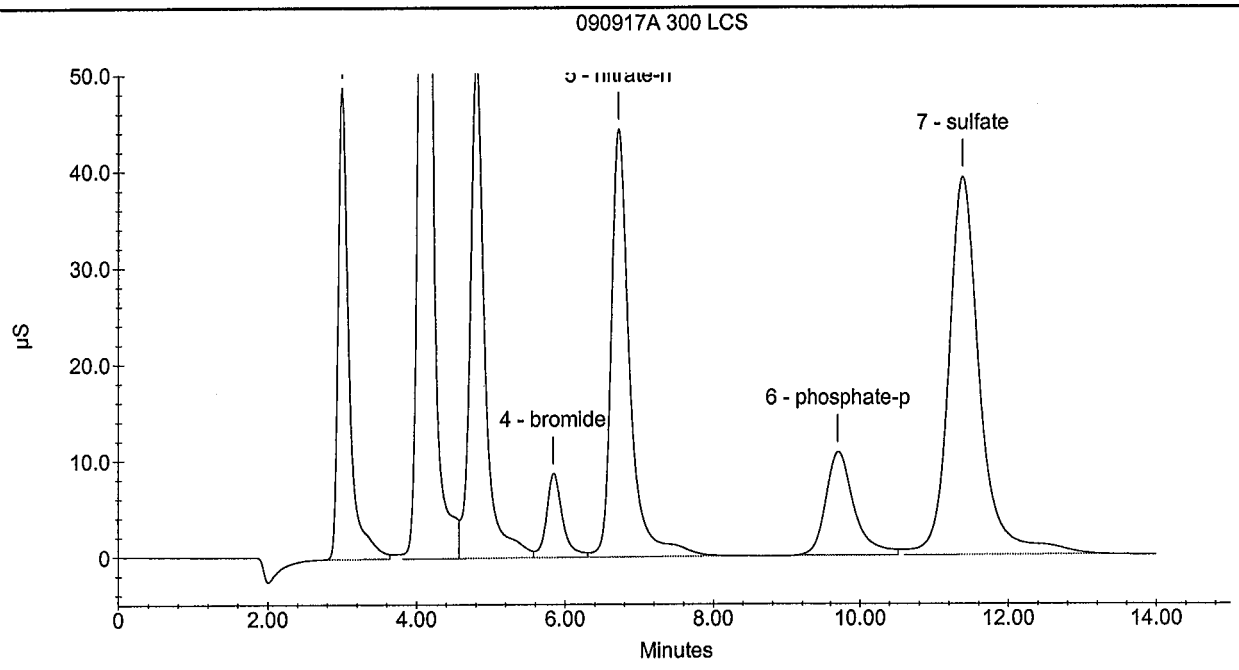
Sample Analysis Report

Sample Name : 090917A 300 LCS
Data File Name : i:\dionex\d1anions\data\090917a\090917A_007.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/17/09 9:54:34 AM
System Operator : pd
Injection Number : 7
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.00	fluoride	5.050	4984839	488200	+
2	4.11	chloride	24.773	17302485	1680665	
3	4.80	nitrite-n	5.579	6975101	511377	+
4	5.84	bromide	5.387	1313582	86375	
5	6.72	nitrate-n	5.209	7692011	442656	
6	9.69	phosphate-p	5.157	2899396	107184	
7	11.39	sulfate	25.592	11306364	391153	



PD

08/25/09
08/26/09

PD

Hexavalent Chromium - EPA Method 7199/218.6 prepared 08/25/09

Intermediate Stock Standards

1mL	100ppm	Cr+6 intermediate EXP.02/01/1	/100 mL DI H2O	=>	1000ppb	Cr+6
1mL	100ppm	Cr+6 intermediate EXP.02/01/1	/100 mLs DI H2O	=>	1000ppb	Cr+6 ICV

Calibration Standards

1mL	1000ppb	Cr+6 perpared 8/25//09	/50 mL DI H2O	=>	20ppb	Cr+6
1mL	1000ppb	Cr+6 perpared 8/25//09	/100 mLs DI H2O	=>	10ppb	Cr+6
0.5mL	1000ppb	Cr+6 perpared 8/25//09	/100 mL DI H2O	=>	5ppb	Cr+6
0.1mL	1000ppb	Cr+6 perpared 8/25//09	/100 mL DI H2O	=>	1ppb	Cr+6
0.05mL	1000ppb	Cr+6 perpared 8/25//09	/100 mL DI H2O	=>	0.5ppb	Cr+6
1mL	10ppb	Cr+6 perpared 8/25//09	/100 mL DI H2O	=>	0.1ppb	Cr+6
1mL	1000ppb	Cr+6 perpared 8-25-09 ICV	/100 mL DI H2O	=>	10ppb	Cr+6 ICV

LCS/LCSD

0.25mL	1000ppb	Cr+6 perpared 8/25//09	/25 mL DI H2O	=>	10ppb	Cr+6

MS/MSD

0.25mL	1000ppb	Cr+6 perpared 8/25//09	/25 mL sample	=>	10ppb	Cr+6

All standards expire: 08/26/09

08/25/06
P.D

Sulfite STD

Primary STD for Sulfite:

① Sodium Sulfite Anhydrous from Mallinckrodt
Lot # 8064 KEAZ P.D 08/25/06
Weight 1.5742 g of ~~Na_2SO_3~~ Na_2SO_3 dilute to 1000 ml/D_2H_2O → 1000 ppm Sulfite

② Second Source STD 1000 ppm
Lot # H37338
Weight 1.5742 g of Na_2SO_3 from J.T. Baker → 1 L with D_2 Water → 1000 ppm SO_3

Working STD:	Volume of stock	Final Volume
Ical 8 100 ppm	10 ml	100 ml
Ical 7 50 ppm	5.0 ml	100 ml
Ical 6 25 ppm	2.5 ml	100 ml
Ical 5 10 ppm	293 ml	100 ml

Standards Prep Log Book# 53 page# 031

P.D

08/25/09	Working STD	Volume of Stock	final Volume
Exp	Ical 4 5 ppm	0.5ml	100ml
08/26/09	Ical 3 2.5 ppm	5ml of Ical 6	~~100~~ ml 50ml
	Ical 2 1.0 ppm	5ml of Ical 5	P.D 08/25/09 ~~100~~ ml 50ml
	Ical 1 0.5 ppm	5ml of Ical 4	~~10~~ 50ml

P.D 08/25/09

ICV ~~25~~ 25ml of 1000ppm ICV STD → 100ml / DI H2O
give 25 ppm SO3

CCV 2.5ml of Stock 1000ppm STD Primary Source
→ 100ml with D2 H2O → 25 ppm SO3

[illegible] 8/26/09

Standards for Ferrous Iron

Ferrous Iron Standard Solution, 200µg/mL: Add 10mL conc.H_2SO_4 (G35026 JT Baker) to 50mL DI and dissolve 0.702gm Ferrous Ammonium Sulfate (EM Science Lot 40188002.) Dilute to a final volume of 500mL. (Solution is stable for 7 days)

0.25mL X 200mg Fe^{+2} (8/25609) / 50mL DI	1.0mg / Fe^{+2}
0.50mL X	2.0mg / Fe^{+2}
1.00mL X	4.0mg / Fe^{+2}
1.25mL X	5.0mg / Fe^{+2}
2.50mL X	10.0mg / Fe^{+2}

ICV 200µg/mL: Add 10mL of conc. H_2SO_4 (G35026 JT Baker) to 50mL DI And dissolve 0.702gm Ferrous Ammonium Sulfate (5064KBJZ Mallinckrodt) and Dilute to final volume of 500mL DI
(This solution is good for 7 days)

ICV / LCS MS Working solution: 750µL X 200ug/L Fe^{+2} (8/26/09) / 50mL DI 3.0µg/L Fe^{+2}
ICV / LCS working solution made fresh daily

8-27-09 CK

EPA 218.6 Cr^{+6}
1ml x 100ppm Cr^{+6} (8-10-09) → 1000 ppb Cr^{+6}
1ml x 1000 ppb Cr^{+6} (8-27-09

CK (4) 8-27-09

Book Edit P.D 09/03/09 Exp 09/04/09

Prepared CCV as ICal #6 in page # 029
Stock ①: Weight 1.5742g of Na_2SO_3 → 100ml/DI.
Pipet 0.250ml of stock SO_3 ① → 100ml/DI.
Concentration of CCV: 25 ppm
LCS 25 ppm. Pipet 0.250 ml of stock SO_3 ① → 100 ml/DI

Book Edit

09/04/09 P.D Exp 09/05/09

Prepared CCV LCS as above for SO_3
Exp 09/05/09

09/09/09 P.D Exp 09/10/09

Prepared CCV LCS as above for SO_3
Exp 09/10/09

09/14/09 Book Edit P.D Exp 09/15/09

Prepared CCV and LCS as above for SO_3
Exp 09/15/09

Book Edit

09/15/09 Exp 09/16/09

prepared CCV and LCS as above for SO_3
Exp 09/16/09

09/16/09 P.D Exp 09/17/09

Prepared CCV and LCS as above for SO_3
Exp 09/17/09

09/17/09

TKN Standards for Method 351.2

0.05mL X 1000ppm (P:03/23/09 E:9/23/09) NH_3-N + 40mL Digestion Solution = 0.5ppm NH_3-N (Prep: 9/21/09)
0.1mL X " + 40mL Digestion Solution = 1.0ppm NH_3-N "
0.2mL X " + 40mL Digestion Solution = 2.0ppm NH_3-N "
0.5mL X " + 40mL Digestion Solution = 5.0ppm NH_3-N "
1.0Ml X " + 40mL Digestion Solution = 10.0ppm NH_3-N "
2.0mL X " + 40mL Digestion Solution = 20.0ppm NH_3-N "

After digestion, bring all standard to volume into 100mL volumetric flask

ICV:
0.7mL 1000ppm NH_3-N (P: 03/23/09 E: 9/23/09) + 40mL Digestion Solution = 7.0ppm NH_3-N (Prep: 9/21/09)
After digestion, bring to volume into 100mL volumetric flask

STANDARDS EXPIRE ON 10-12-09

Rev 9/14/09

Standards for Ferrous Iron Book edit

Ferrous Iron Standard Solution, 200µg/mL: Add 10mL conc.H_2SO_4 (G35026 JT Baker) to 50mL DI and dissolve 0.702gm Ferrous Ammonium Sulfate (EM Science Lot 40188002.) Dilute to a final volume of 500mL. (Solution is stable for 7 days)

0.25mL X 200mg Fe^{+2} (Prep: 9/18/09) / 50mL DI 1.0mg / Fe^{+2}
0.50mL X 2.0mg / Fe^{+2}
1.00mL X 4.0mg / Fe^{+2}
1.25mL X 5.0mg / Fe^{+2}
2.50mL X 10.0mg / Fe^{+2}

ICV 200µg/mL: Add 10mL of conc. H_2SO_4 (G35026 JT Baker) to 50mL DI And dissolve 0.702gm Ferrous Ammonium Sulfate (5064KBJZ Mallinckrodt) and Dilute to final volume of 500mL DI (This solution is good for 7 days)

ICV / LCS MS Working solution: 750µL X 200ug/L Fe^{+2} (Prep: 9/18/09) / 50mL DI 3.0µg/L Fe^{+2}
ICV / LCS working solution made fresh daily

P.D 9/17/09 Prepared CCV. LCS as in page # 29 for SO_3
exp 09/18/09
① Weigh 1.5749 g of Na_2SO_3 → 100ml DI → Solution ①
pipet 0.25ml of Solution ① → 100ml DI for CCV or LCS

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DIONEX 300

Standard and Reagent log book

Date	Preparation	Exp. date	Tech
06/16/09	NA		P.D

P.D

Anions -300.0

Working Standards

Autocal 7

1mL	5000ppm	Cl-	O2SI	1015261-23942	EXP(09-05-10)
0.5mL	1000ppm	F-	Ultra Scientific	G00365-21410	EXP(06/30/09)
0.5mL	1000ppm	NO2-N	O2SI	1015271-23940	EXP(09/06/10)
2.5mL	1000ppm	Br-	Ultra Scientific	J00147-22148	EXP(03/31/11)
1mL	1000ppm	NO3-N	Ultra Scientific	G00960-20932	Exp.(01/31/10)
3.06mL	1000ppm	PO4	Ultra Scientific	H00720-21409	EXP(11/30/10)
1ml	5000ppm	SO4-2	Ultra Scientific	J00570-22190	EXP(11/30/10)

into 100 mL DI water

=> 5 ppm F-, NO2-N, 10 ppm NO3-N, PO4-P, 25 ppm Br-, 50ppm Cl-, SO4-2

ccv1 Autocal 6

50mL Autocal 7 1/2/2008 brought up to 100 mL DI water

=>2.5 ppm F-, NO2-N, 5 ppm NO3-N, PO4-P, 12.5 ppm Br-, 25 ppm Cl-, SO4-2

ccv2 Autocal 5

20mL Autocal 6 1/2/2008 brought up to 50 mL DI water

=> 1 ppm F-, NO2-N, 2 ppm NO3-N, PO4-P, 5 ppm Br-, 10ppm Cl-, SO4-2

Autocal 4

25mL Autocal 5 1/2/2008 brought up to 50 mL DI water

=> 0.5 ppm F-, NO2-N, 1 ppm NO3-N, PO4-P, 2.5 ppm Br-, 5ppm Cl-, SO4-2

Autocal 3

25mL Autocal 4 1/2/2008 brought up to 50 mL DI water

=> 0.25ppm F-, NO2-N, 0.5 ppm NO3-N, PO4-P, 1.25ppm Br-, 2.5ppm Cl-, SO4-2

Autocal 2

10.0mL Autocal 3 1/2/2008 brought up to 25mL DI water

=> 0.1ppm F-, NO2-N, 0.2 ppm NO3-N, PO4-P, 0.5ppm Br-, 1.0ppm Cl-, SO4-2

Autocal 1

12.5mL Autocal 2 1/2/2008 brought up to 25mL DI water

=> 0.05ppm F-, NO2-N, 0.1 ppm NO3-N, PO4-P, 0.25ppm Br-, 0.5ppm Cl-, SO4-2

ICV

0.50mL	1000ppm	Cl-	CPI081059-23009 (EXP04/08/10)
0.25mL	1000ppm	F-	CPI 08F160-23007 EXP(04/08/10)
0.25mL	1000ppm	NO2-N	CPI 08I180-23010EXP (04/08/10)
0.50mL	1000ppm	Br- ICV	CPI 08I292-23006 EXP(04/08/10)
0.25ml	1000ppm	NO3-N	CPI 08C160-23008 EXP (04/08/10)
0.25mL	1000ppm	PO4-P	CPI 08A156-22539 EXP(11/30/10)
0.50mL	1000ppm	S(	CPI 081062-23005 EXP(04/08/10)

brought up to 100mL DI water

=> 2.5 ppm F-, NO2-N, NO3-N, PC m Cl-, SO4-2

DIONEX 300

06/16/09 Standard and Reagent Log book

Date	Preparation	Exp. date	Tech
06/16/09	P.D		P.D

Anions Spiking Solution A - 300.0

The following solutions are combined in a 40ml VOA vial

5ml	5000ppm	Cl-	O2S1 1015261-23942(EXP.09/05/10)
5ml	1000ppm	F-	Ultra Scientific k00090-24537 (EXP 02/28/13)
5ml	1000ppm	NO2-N	O2SI 1015271-23940(EXP.09/06/10)
5ml	1000ppm	Br	Ultra Scientific J00147-22148(EXP.03/31/11)
5ml	1000ppm	NO3-N	Ultra Scientific G00960-20932 (exp. 01/31/10)
5ml	1000ppm	SO4	Ultra Scientific J00570-22190(exp.11/30/10)

Anions Spiking Solution B - 300.0

	1000ppm	PO4	Ultra Scientific H00720-21409 (exp 10-30-10)

Laboratory Control Spike and Matrix Spike

In to 25ml volumetric flask add 750 ul Anions spiking solution A + 383 ul Anions Spiking Solution B and bring to volume with DI H20 (For LCS/LCSD) or Sample (for MS/MSD)

LCS/MS Spike Concentrations (ppm)	
F-	5 PPM
NO2-N	5 PPM
NO3-N	5 PPM
Br	5 PPM
PO4-P	5 PPM
Cl-	25 PPM
SO4	25 PPM

6-16-09CK	Prep Calib. Curve as page 44 and #45	6-17-09	CK
6/17/09	Prepared CCV ICV LCS as in page #44 and 45 (06/16/09) P.D 06/17/09	06/18/09	P.D
06/18/09	Prepared CCV ICV LCS as in page #44 and #45 (06/16/09)	06/19/09	P.D
06/18/09	Prepared Eluent as in page # 2 11/16/08	07/18/09	P.D
06/24/09	Prepared CCV, ICV, LCS and #45 (06/16/09, page #44	06/25/09	P.D.

DIONEX 300

Standard and Reagent Log book

Date	Preparation	Exp. date	Tech
08/28/09	Prepared CCV. LCS, MS as in Page # 44 and # 45 (06/16/09)	08/29/09	P D
08/31/09	Prepared Working STDs CCV IW LCS as in Page # 44 and # 45 (06/16/09)	09/01/09 ~~08~~ P 09/01/09	P. D
09/01/09	Prepared Working STD. CCV. IW LCS as in Page # 44 and 45	09/02/09	P.D.
09/02/09	P 09/02/09 Prepared & CCV, LCS as in Page # 44 and 45	09/03/09	P D
09/03/09	Prepared CCV. LCS as in page # 45 and #44	09/04/09	P D
09/08/09	Prepared Working STD. ICV. CCV LCS as in Page # 44 and # 45	09/09/09	P D
09/09/09	Prepared CCV. IW. LCS as in Page #44 and # 45	09/10/09	P D
09/10/09	Prepared CCV IW LCS as in Page # 44 and # 45	09/11/09	P D
09/11/09	Prepared CCV LCS as in Page # 44 and # 45	09/12/09	P D
09/14/09	Prepared CCV. LCS as in Page # 44 & 45	09/15/09	P D
09/15/09	Prepared CCV. LCS as in Page # 44 and # 45	09/16/09	P. D.
09/			

APPL, Inc.
Analysis listing Dionex
08/25/09

Injection:	Sample Name:	Date Time Collected:
12	sulfite090825AICAL#1	8/25/2009 12:26
13	sulfite090825AICAL#2	8/25/2009 12:41
14	sulfite090825AICAL#3	8/25/2009 12:57
15	sulfite090825AICAL#4	8/25/2009 13:12
16	sulfite090825AICAL#5	8/25/2009 13:28
17	sulfite090825AICAL#6	8/25/2009 13:43
18	sulfite090825AICAL#7	8/25/2009 13:59
22	sulfite 090825 icb	8/25/2009 15:12
23	sulfite 090825 icv 25.0PPM	8/25/2009 15:28
25	sulfite 090825 ccb	8/25/2009 16:09
26	sulfite 090825 CCV 25.00PPM	8/25/2009 16:24

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RunID	Injected		Sample Name	Misc Info	FileName	Multiplier
22	08 Sep 2009	17:54	090908AICAL#1		090908a	1.
23	08 Sep 2009	18:11	090908AICAL#2		090908a	1.
24	08 Sep 2009	18:28	090908AICAL#3		090908a	1.
25	08 Sep 2009	18:44	090908AICAL#4		090908a	1.
26	08 Sep 2009	19:01	090908AICAL#5		090908a	1.
27	08 Sep 2009	19:18	090908AICAL#6		090908a	1.
29	08 Sep 2009	19:51	090908AICAL#7		090908a	1.
30	08 Sep 2009	20:08	090908A ICV		090908a	1.
31	08 Sep 2009	20:25	090908A ICB		090908a	1.
33	08 Sep 2009	20:58	090908A CCV		090908a	1.
34	08 Sep 2009	21:15	090908A CCB		090908a	1.

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RunID	Injected		Sample Name	Misc Info	FileName	Multiplier
2	14 Sep 2009	10:56	090914A 300 CCV		090914a	1.
3	14 Sep 2009	11:13	090914A SULFITE CCV		090914a	1.
4	14 Sep 2009	11:29	090914A SULFITE LCS		090914a	1.
5	14 Sep 2009	11:45	090914A 300/SULFITE CCB		090914a	1.
6	14 Sep 2009	12:01	090914A 300 LCS		090914a	1.
7	14 Sep 2009	12:18	AY03188W01 1/5		090914a	5.
8	14 Sep 2009	12:35	AY03189W01 1/5		090914a	5.
9	14 Sep 2009	12:52	AY03190W01 1/5		090914a	5.
10	14 Sep 2009	13:08	AY03191W01 1/5		090914a	5.
11	14 Sep 2009	13:25	AY03192W01 1/5		090914a	5.
12	14 Sep 2009	13:41	AY03193W01 1/5		090914a	5.
13	14 Sep 2009	13:58	AY03194W01 1/5		090914a	5.
14	14 Sep 2009	14:15	AY03195W01 1/5		090914a	5.
15	14 Sep 2009	14:31	AY03196W01 1/5		090914a	5.
16	14 Sep 2009	14:48	AY03197W01 1/5		090914a	5.
17	14 Sep 2009	15:05	090914A SULFITE CCV		090914a	1.
18	14 Sep 2009	15:20	090914A 300/SULFITE CCB		090914a	1.
19	14 Sep 2009	15:36	090914A 300 CCV		090914a	1.
20	14 Sep 2009	15:52	AY03198W01 1/5		090914a	5.
21	14 Sep 2009	16:08	AY03199W01 1/5		090914a	5.
22	14 Sep 2009	16:23	AY03200W01 1/5		090914a	5.
23	14 Sep 2009	16:40	AY03201W01 1/5		090914a	5.
24	14 Sep 2009	16:57	AY03202W01 1/5		090914a	5.
25	14 Sep 2009	17:14	090914A SULFITE ccv		090914a	1.
31	14 Sep 2009	18:57	090914A 300 CCV		090914a	1.
32	14 Sep 2009	19:14	090914A 300/ SULFITECCB		090914a	1.

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RunID	Injected		Sample Name	Misc Info	FileName	Multiplier
2	15 Sep 2009	08:23	090915A 300 CCV		090915A	1.
3	15 Sep 2009	08:54	090915A SULFITE CCV		090915A	1.
5	15 Sep 2009	09:27	090915A 300/SULFITE CCB		090915A	1.
7	15 Sep 2009	10:06	090915A SULFITE LCS		090915A	1.
8	15 Sep 2009	10:21	090915A 300 LCS		090915A	1.
9	15 Sep 2009	10:38	AY03203W01 1/5		090915A	5.
10	15 Sep 2009	10:55	AY03204W01 1/5		090915A	5.
11	15 Sep 2009	11:11	AY03205W01 1/5		090915A	5.
12	15 Sep 2009	11:28	AY03206W01 1/5		090915A	5.
13	15 Sep 2009	11:45	AY03207W01 1/5		090915A	5.
14	15 Sep 2009	12:01	AY03208W01 1/5		090915A	5.
15	15 Sep 2009	12:18	AY03209w01 1/5		090915A	5.
16	15 Sep 2009	12:35	AY03210w01 1/5		090915A	5.
17	15 Sep 2009	12:51	AY03211w01 1/5		090915A	5.
18	15 Sep 2009	13:08	AY03212w01 1/5		090915A	5.
19	15 Sep 2009	13:25	090915A 300 CCV		090915A	1.
20	15 Sep 2009	13:42	090915A 300/SULFITE CCB		090915A	1.
21	15 Sep 2009	14:05	090915A SULFITE CCV		090915A	1.
22	15 Sep 2009	14:24	AY03213w01 1/5		090915A	5.
23	15 Sep 2009	14:41	AY03214w01 1/5		090915A	5.
24	15 Sep 2009	14:58	AY03215w01 1/5		090915A	5.
25	15 Sep 2009	15:14	AY03216W01 1/5		090915A	5.
26	15 Sep 2009	15:31	AY03217W01 1/5		090915A	5.
27	15 Sep 2009	15:47	AY03218W01 1/5		090915A	5.
28	15 Sep 2009	16:04	AY03219W01 1/5		090915A	5.
29	15 Sep 2009	16:30	090915A SULFITE CCV		090915A	1.
30	15 Sep 2009	16:46	090915A 300 CCV		090915A	1.
31	15 Sep 2009	17:03	090915A 300/SULFITE CCB		090915A	1.

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RunID	Injected		Sample Name	Misc Info	FileName	Multiplier
2	16 Sep 2009	08:51	090916A 300 CCV		090916A	1.
3	16 Sep 2009	09:08	090916A SULFITE CCV		090916A	1.
4	16 Sep 2009	09:23	090916A SULFITE LCS		090916A	1.
5	16 Sep 2009	09:39	090915A 300/SULFITE CCB		090916A	1.
6	16 Sep 2009	09:55	090916A 300 LCS		090916A	1.
13	16 Sep 2009	11:56	AY03220W01 1/5		090916A	5.
14	16 Sep 2009	12:12	AY03221W01 1/5		090916A	5.
16	16 Sep 2009	12:49	AY03222W01 1/5		090916A	5.
18	16 Sep 2009	13:23	090916A 300 CCV		090916A	1.
20	16 Sep 2009	14:07	090916A SULFITE CCV		090916A	1.
21	16 Sep 2009	14:23	090915A 300/SULFITE CCB		090916A	1.
22	16 Sep 2009	14:40	AY03223W01 1/5		090916A	5.
23	16 Sep 2009	14:56	AY03224W01 1/5		090916A	5.
24	16 Sep 2009	15:13	AY03225W01 1/5		090916A	5.
25	16 Sep 2009	15:30	AY03226W01 1/5		090916A	5.
26	16 Sep 2009	15:46	AY03227W01 1/5		090916A	5.
27	16 Sep 2009	16:03	AY03228W01 1/5		090916A	5.
28	16 Sep 2009	16:21	090916A 300 CCV		090916A	1.
29	16 Sep 2009	16:41	090916A SULFITECCV		090916A	1.
31	16 Sep 2009	17:14	090915A 300/SULFITE CCB		090916A	1.

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RunID	Injected		Sample Name	Misc Info	FileName	Multiplier
3	17 Sep 2009	08:56	090917A SULFITE CCV		090917A	1.
5	17 Sep 2009	09:22	090917A 300 CCV		090917A	1.
6	17 Sep 2009	09:38	090917A SULFITE LCS		090917A	1.
7	17 Sep 2009	09:54	090917A 300 LCS		090917A	1.
8	17 Sep 2009	10:11	090917A 300/SULFITE CCB		090917A	1.
9	17 Sep 2009	10:34	AY03229W01 1/5		090917A	5.
10	17 Sep 2009	10:50	AY03230W01 1/5		090917A	5.
11	17 Sep 2009	11:07	AY03231W01 1/5		090917A	5.
12	17 Sep 2009	11:24	AY03232W01 1/5		090917A	5.
13	17 Sep 2009	11:40	AY03233W01 1/5		090917A	5.
14	17 Sep 2009	11:57	AY03234W01 1/5		090917A	5.
15	17 Sep 2009	12:14	AY03235W01 1/5		090917A	5.
16	17 Sep 2009	12:30	AY03236W01 1/5		090917A	5.
19	17 Sep 2009	13:20	090917A 300 CCV		090917A	1.
21	17 Sep 2009	14:00	090917A SULFITE CCV		090917A	1.
22	17 Sep 2009	14:16	090917A 300/SULFITE CCB		090917A	1.