



AN ENVIRONMENTAL ANALYTICAL LABORATORY

COMPREHENSIVE VALIDATION PACKAGE

ATL Subcontract

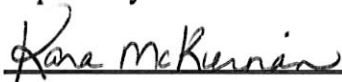
INVENTORY SHEET

WORK ORDER # 0910022C/D

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Completed by:


(Signature)

Kara McKiernan/ Document Control
(Print Name & Title)

10/28/09
(Date)

WORK ORDER #: 0910022C

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:	10/01/2009	CONTACT:	Ausha Scott
DATE COMPLETED:	10/27/2009		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
01A	101849	SubContract
02A	101850	SubContract
03A	101851	SubContract
04A	101852	SubContract
05A	101853	SubContract
06A	101854	SubContract
07A	101855	SubContract
08A	101880	SubContract
09A	101882	SubContract
10A	101883	SubContract
11A	101884	SubContract
12A	101885	SubContract
13A	101881	SubContract
14A	101789	SubContract
15A	101790	SubContract
16A	101791	SubContract
17A	101792	SubContract
18A	101793	SubContract

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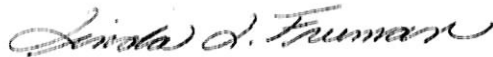
WORK ORDER #: 0910022C

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
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<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
19A	101794	SubContract
20A	101818	SubContract
21A	101819	SubContract
22A	101820	SubContract
23A	101821	SubContract
24A	101822	SubContract
25A	101823	SubContract
26A	101909	SubContract
27A	101910	SubContract
28A	101911	SubContract
29A	101912	SubContract
30A	101913	SubContract
31A	101914	SubContract
32A	Method Blank 1	SubContract
32B	Method Blank 2	SubContract

CERTIFIED BY:



Laboratory Director

DATE: 10/27/09

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

WORK ORDER #: 0910022D

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:	10/01/2009	CONTACT:	Ausha Scott
DATE COMPLETED:	10/27/2009		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
01A	101849	SubContract
02A	101850	SubContract
03A	101851	SubContract
04A	101852	SubContract
05A	101853	SubContract
06A	101854	SubContract
07A	101855	SubContract
08A	101880	SubContract
09A	101882	SubContract
10A	101883	SubContract
11A	101884	SubContract
12A	101885	SubContract
13A	101881	SubContract
14A	101789	SubContract
15A	101790	SubContract
16A	101791	SubContract
17A	101792	SubContract
18A	101793	SubContract

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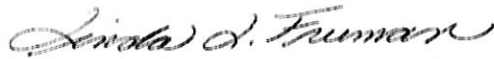
WORK ORDER #: 0910022D

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:	10/01/2009	CONTACT:	Ausha Scott
DATE COMPLETED:	10/27/2009		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
19A	101794	SubContract
20A	101818	SubContract
21A	101819	SubContract
22A	101820	SubContract
23A	101821	SubContract
24A	101822	SubContract
25A	101823	SubContract
26A	101909	SubContract
27A	101910	SubContract
28A	101911	SubContract
29A	101912	SubContract
30A	101913	SubContract
31A	101914	SubContract
32A	Method Blank 1	SubContract
32B	Method Blank 2	SubContract

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DATE: 10/27/09

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LABORATORY NARRATIVE
Subcontracted analysis
Environmental Health & Engineering, Inc.
Workorder# 0910022C

Thirty-one Radiello samples were received on October 01, 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 analysis
Environmental Health & Engineering, Inc.
Workorder# 0910022D

Thirty-one Radiello 166 (NO₂) samples were received on October 01, 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

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)
101849	0910022C-01A	9/30/2009	10/12/2009	1.00	17	7.0	ND	ND
101850	0910022C-02A	9/30/2009	10/13/2009	1.20	20	8.4	870	360
101851	0910022C-03A	9/30/2009	10/12/2009	1.00	17	7.0	ND	ND
101852	0910022C-04A	9/30/2009	10/12/2009	1.00	17	7.0	ND	ND
101853	0910022C-05A	9/30/2009	10/12/2009	1.00	17	7.0	ND	ND
101854	0910022C-06A	NA	10/12/2009	1.00	17	7.0	ND	ND
101855	0910022C-07A	NA	10/12/2009	1.00	17	7.0	ND	ND
101880	0910022C-08A	9/30/2009	10/12/2009	1.00	17	7.0	ND	ND
101882	0910022C-09A	9/30/2009	10/12/2009	1.00	17	7.0	ND	ND
101883	0910022C-10A	9/30/2009	10/12/2009	1.00	17	7.0	ND	ND
101884	0910022C-11A	9/30/2009	10/13/2009	1.00	17	7.0	ND	ND
101885	0910022C-12A	9/30/2009	10/13/2009	1.00	17	7.0	ND	ND
101881	0910022C-13A	NA	10/13/2009	1.00	17	7.0	ND	ND
101789	0910022C-14A	9/29/2009	10/13/2009	1.00	17	7.0	ND	ND
101790	0910022C-15A	9/29/2009	10/13/2009	1.00	17	7.0	ND	ND
101791	0910022C-16A	9/29/2009	10/13/2009	1.00	17	7.0	ND	ND
101792	0910022C-17A	9/29/2009	10/13/2009	1.00	17	7.0	ND	ND
101793	0910022C-18A	9/29/2009	10/13/2009	1.00	17	7.0	ND	ND
101794	0910022C-19A	NA	10/13/2009	1.00	17	7.0	ND	ND
101818	0910022C-20A	9/29/2009	10/13/2009	1.00	17	7.0	ND	ND

*Fluoride analysis performed by subcontracted laboratory.

- COMMENTS:** 1. NA=Not Applicable
2. ND=Not Detected
3. Exposure time of 20160 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)
101819	0910022C-21A	9/29/2009	10/13/2009	1.00	17	7.0	ND	ND
101820	0910022C-22A	9/29/2009	10/13/2009	1.00	17	7.0	ND	ND
101821	0910022C-23A	9/29/2009	10/13/2009	1.00	17	7.0	ND	ND
101822	0910022C-24A	9/29/2009	10/13/2009	1.00	17	7.0	ND	ND
101823	0910022C-25A	NA	10/13/2009	1.00	17	7.0	ND	ND
101909	0910022C-26A	9/30/2009	10/14/2009	1.00	17	7.0	ND	ND
101910	0910022C-27A	9/30/2009	10/14/2009	1.00	17	7.0	ND	ND
101911	0910022C-28A	9/30/2009	10/14/2009	1.00	17	7.0	ND	ND
101912	0910022C-29A	9/30/2009	10/14/2009	1.00	17	7.0	ND	ND
101913	0910022C-30A	9/30/2009	10/14/2009	1.00	17	7.0	ND	ND
101914	0910022C-31A	NA	10/14/2009	1.00	17	7.0	ND	ND
Method Blank 1	0910022C-32A	NA	10/14/2009	1.00	17	7.0	ND	ND
Method Blank 2	0910022C-32B	NA	10/14/2009	1.00	17	7.0	ND	ND

*Fluoride analysis performed by subcontracted laboratory.

COMMENTS: 1. NA=Not Applicable

2. ND=Not Detected

3. Exposure time of 20160 minutes was assumed for the QC samples.

4. Background subtraction not performed.

Sulfur Dioxide Radiello Calculation Worksheet

Workorder #: 0910022C

MW

Sampling Rate (mg/(ppb*min)) 0.466 Typically 0.466 for SO2

Sulfate = SO_4^{2-}
Sulfite = SO_3^{2-}
MW 96.062
80.063

To convert SO_3^{2-} to SO_4^{2-} multiply by molar mass re
Sulfate/sulfite = $96.062/80.063 = 1.2$

Sampling T (deg C) 25 Typically 25

Volume (ml) 5 Typically 5 for SO2

0010

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)					
01A	101849	9/30/2009	ND	ND	5.0	1.00	10/12/09	20160	ND				
02A	101850	9/30/2009	262.000	0.000	6.0	1.20	10/13/09	20160	262.000				
03A	101851	9/30/2009	ND	ND	5.0	1.00	10/12/09	20160	ND				
04A	101852	9/30/2009	ND	ND	5.0	1.00	10/12/09	20160	ND				
05A	101853	9/30/2009	ND	ND	5.0	1.00	10/12/09	20160	ND				
06A	101854	NA	ND	ND	5.0	1.00	10/12/09	20160	ND				
07A	101855	NA	ND	ND	5.0	1.00	10/12/09	20160	ND				
08A	101880	9/30/2009	ND	ND	5.0	1.00	10/12/09	20160	ND				
09A	101882	9/30/2009	ND	ND	5.0	1.00	10/12/09	20160	ND				
10A	101883	9/30/2009	ND	ND	5.0	1.00	10/12/09	20160	ND				
11A	101884	9/30/2009	ND	ND	5.0	1.00	10/13/09	20160	ND				
12A	101885	9/30/2009	ND	ND	5.0	1.00	10/13/09	20160	ND				
13A	101881	NA	ND	ND	5.0	1.00	10/13/09	20160	ND				
14A	101789	9/29/2009	ND	ND	5.0	1.00	10/13/09	20160	ND				
15A	101790	9/29/2009	ND	ND	5.0	1.00	10/13/09	20160	ND				
16A	101791	9/29/2009	ND	ND	5.0	1.00	10/13/09	20160	ND				
17A	101792	9/29/2009	ND	ND	5.0	1.00	10/13/09	20160	ND				
18A	101793	9/29/2009	ND	ND	5.0	1.00	10/13/09	20160	ND				
19A	101794	NA	ND	ND	5.0	1.00	10/13/09	20160	ND				
20A	101818	9/29/2009	ND	ND	5.0	1.00	10/13/09	20160	ND				
21A	101819	9/29/2009	ND	ND	5.0	1.00	10/13/09	20160	ND				
22A	101820	9/29/2009	ND	ND	5.0	1.00	10/13/09	20160	ND				
23A	101821	9/29/2009	ND	ND	5.0	1.00	10/13/09	20160	ND				
24A	101822	9/29/2009	ND	ND	5.0	1.00	10/13/09	20160	ND				
25A	101823	NA	ND	ND	5.0	1.00	10/13/09	20160	ND				
26A	101909	9/30/2009	ND	ND	5.0	1.00	10/14/09	20160	ND				
27A	101910	9/30/2009	ND	ND	5.0	1.00	10/14/09	20160	ND				
28A	101911	9/30/2009	ND	ND	5.0	1.00	10/14/09	20160	ND				
29A	101912	9/30/2009	ND	ND	5.0	1.00	10/14/09	20160	ND				
30A	101913	9/30/2009	ND	ND	5.0	1.00	10/14/09	20160	ND				
31A	101914	NA	ND	ND	5.0	1.00	10/14/09	20160	ND				
32A	Method Blank 1	NA	ND	ND	5.0	1.00	10/14/09	20160	ND				
32B	Method Blank 2	NA	ND	ND	5.0	1.00	10/14/09	20160	ND				

0011

$$\frac{\text{RL SO}_4^{-2} (\mu\text{g}) * \text{MW SO}_2 (64.06)}{\text{MW SO}_4^{-2} (160.06)}$$

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)
101849	0910022D-01A	9/30/2009	10/12/2009	1.00	5.3	1.4	ND	ND
101850	0910022D-02A	9/30/2009	10/12/2009	1.00	5.3	1.4	ND	ND
101851	0910022D-03A	9/30/2009	10/12/2009	1.00	5.3	1.4	ND	ND
101852	0910022D-04A	9/30/2009	10/12/2009	1.00	5.3	1.4	ND	ND
101853	0910022D-05A	9/30/2009	10/12/2009	1.00	5.3	1.4	ND	ND
101854	0910022D-06A	NA	10/12/2009	1.00	5.3	1.4	ND	ND
101855	0910022D-07A	NA	10/12/2009	1.00	5.3	1.4	ND	ND
101880	0910022D-08A	9/30/2009	10/12/2009	1.00	5.3	1.4	ND	ND
101882	0910022D-09A	9/30/2009	10/12/2009	1.00	5.3	1.4	ND	ND
101883	0910022D-10A	9/30/2009	10/12/2009	1.00	5.3	1.4	ND	ND
101884	0910022D-11A	9/30/2009	10/13/2009	1.00	5.3	1.4	ND	ND
101885	0910022D-12A	9/30/2009	10/13/2009	1.00	5.3	1.4	ND	ND
101881	0910022D-13A	NA	10/13/2009	1.00	5.3	1.4	ND	ND
101789	0910022D-14A	9/29/2009	10/13/2009	1.00	5.3	1.4	ND	ND
101790	0910022D-15A	9/29/2009	10/13/2009	1.00	5.3	1.4	ND	ND
101791	0910022D-16A	9/29/2009	10/13/2009	1.00	5.3	1.4	ND	ND
101792	0910022D-17A	9/29/2009	10/13/2009	1.00	5.3	1.4	ND	ND
101793	0910022D-18A	9/29/2009	10/13/2009	1.00	5.3	1.4	ND	ND
101794	0910022D-19A	NA	10/13/2009	1.00	5.3	1.4	ND	ND
101818	0910022D-20A	9/29/2009	10/13/2009	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 20160 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)
101819	0910022D-21A	9/29/2009	10/13/2009	1.00	5.3	1.4	ND	ND
101820	0910022D-22A	9/29/2009	10/13/2009	1.00	5.3	1.4	ND	ND
101821	0910022D-23A	9/29/2009	10/13/2009	1.00	5.3	1.4	ND	ND
101822	0910022D-24A	9/29/2009	10/13/2009	1.00	5.3	1.4	ND	ND
101823	0910022D-25A	NA	10/13/2009	1.00	5.3	1.4	ND	ND
101909	0910022D-26A	9/30/2009	10/14/2009	1.00	5.3	1.4	ND	ND
101910	0910022D-27A	9/30/2009	10/14/2009	1.00	5.3	1.4	ND	ND
101911	0910022D-28A	9/30/2009	10/14/2009	1.00	5.3	1.4	ND	ND
101912	0910022D-29A	9/30/2009	10/14/2009	1.00	5.3	1.4	ND	ND
101913	0910022D-30A	9/30/2009	10/14/2009	1.00	5.3	1.4	ND	ND
101914	0910022D-31A	NA	10/14/2009	1.00	5.3	1.4	ND	ND
Method Blank 1	0910022D-32A	NA	10/14/2009	1.00	5.3	1.4	ND	ND
Method Blank 2	0910022D-32B	NA	10/14/2009	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 20160 minutes was assumed for the QC samples.

4. Background subtraction not performed.

Hydrofluoric Acid Radiello Calculation Worksheet

1.053 = Factor from F-
to HF

Workorder #: 0910022D
Sampling Rate (ml/min) 187 Typically 187 for HF
Sampling I (deg C) 25 Typically 25
Initial Volume (ml) 5 Typically 5 for HF
Date of Analysis: 10/12/2009

$$\text{Conc (mg/L)} \times \text{Initial Vol (ml)} \times 1000 \mu\text{g} \times \frac{1}{1\text{ml} \times 1000\text{ml}} \times 1.053$$

Corrected Q	187	No calc for temp correction							
LabSampleID	Client	Date of Collection	Conc F- (mg/L)	RL F- (mg/L)	DF	Analysis Date	Duration (min)	Conc F- (ug)	Conc HF (ug)
01A	101849	9/30/2009	ND	1.000	1.00	10/12/09	20160	ND	ND
02A	101850	9/30/2009	ND	1.000	1.00	10/12/09	20160	ND	ND
03A	101851	9/30/2009	ND	1.000	1.00	10/12/09	20160	ND	ND
04A	101852	9/30/2009	ND	1.000	1.00	10/12/09	20160	ND	ND
05A	101853	9/30/2009	ND	1.000	1.00	10/12/09	20160	ND	ND
06A	101854	NA	ND	1.000	1.00	10/12/09	20160	ND	ND
07A	101855	NA	ND	1.000	1.00	10/12/09	20160	ND	ND
08A	101880	9/30/2009	ND	1.000	1.00	10/12/09	20160	ND	ND
09A	101882	9/30/2009	ND	1.000	1.00	10/12/09	20160	ND	ND
10A	101883	9/30/2009	ND	1.000	1.00	10/12/09	20160	ND	ND
11A	101884	9/30/2009	ND	1.000	1.00	10/13/09	20160	ND	ND
12A	101885	9/30/2009	ND	1.000	1.00	10/13/09	20160	ND	ND
13A	101881	NA	ND	1.000	1.00	10/13/09	20160	ND	ND
14A	101789	9/29/2009	ND	1.000	1.00	10/13/09	20160	ND	ND
15A	101790	9/29/2009	ND	1.000	1.00	10/13/09	20160	ND	ND
16A	101791	9/29/2009	ND	1.000	1.00	10/13/09	20160	ND	ND
17A	101792	9/29/2009	ND	1.000	1.00	10/13/09	20160	ND	ND
18A	101793	9/29/2009	ND	1.000	1.00	10/13/09	20160	ND	ND
19A	101794	NA	ND	1.000	1.00	10/13/09	20160	ND	ND
20A	101818	9/29/2009	ND	1.000	1.00	10/13/09	20160	ND	ND
21A	101819	9/29/2009	ND	1.000	1.00	10/13/09	20160	ND	ND
22A	101820	9/29/2009	ND	1.000	1.00	10/13/09	20160	ND	ND
23A	101821	9/29/2009	ND	1.000	1.00	10/13/09	20160	ND	ND
24A	101822	9/29/2009	ND	1.000	1.00	10/13/09	20160	ND	ND
25A	101823	NA	ND	1.000	1.00	10/13/09	20160	ND	ND
26A	101909	9/30/2009	ND	1.000	1.00	10/14/09	20160	ND	ND
27A	101910	9/30/2009	ND	1.000	1.00	10/14/09	20160	ND	ND
28A	101911	9/30/2009	ND	1.000	1.00	10/14/09	20160	ND	ND
29A	101912	9/30/2009	ND	1.000	1.00	10/14/09	20160	ND	ND
30A	101913	9/30/2009	ND	1.000	1.00	10/14/09	20160	ND	ND
31A	101914	NA	ND	1.000	1.00	10/14/09	20160	ND	ND
32A	Method Blank 1	NA	ND	1.000	1.00	10/14/09	20160	ND	ND
32B	Method Blank 2	NA	ND	1.000	1.00	10/14/09	20160	ND	ND

QC Duration
20160
Template verified by Hhayes 9/21/09
Added additional rows: AW 10/13/09

1.053 = Factor from F- to HF

$$\frac{RL(\mu g) \times 1.053 \times 1000000}{Q \times \text{Duration (min)}}$$
0016

Shipping/ Receiving Documents

**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 #: 0910022C
of pages (Including Cover): 4

10/28/2009

Thank you for selecting Air Toxics Ltd. We have received your samples and have found 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.

In accordance with your company's contract, this account is required to have a PO that is fully executed by both parties which also covers the cost of the workorder before any data can be released. Please ensure that you have given all appropriate information to our Project Manager so that there will be no delay in reporting of the data you are requesting.

Your prompt response is appreciated.

**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 #: 0910022D
of pages (Including Cover): 4

10/28/2009

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.

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

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
01A	101849	Air/Passive	NO ₂ SO ₂ HF Analysis's	9/16/09	9/30/09	
02A	101850					
03A	101851					
04A	101852					
05A	101853					
06A	101854					
07A	101855					
08A	101880			9/16/09	9/30/09	
09A	101882					
10A	101883					
11A	101884					
12A	101885					
13A	101881					
14A	101789			9/15/09	9/29/09	
15A	101790					
16A	101791					

Special Instructions:

- ☒ Standard turn around time
☐ Fax results 781-247-4305
☐ RETURN SAMPLES
☒ Additional report recipient M. Fragata @ eheinc.com
☐ Rush by _____ date/time
☐ Other _____
☒ Electronic transfer - datacoordinator@eheinc.com 5.6°C

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

Relinquished by: [Signature] of Environmental Health & Engineering, Inc. Date: 9/30/09
Received by: [Signature] of (company name) AH Date: 10/1/09
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: _____

9/30/09

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

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.
17A 101792	Air/Passive	NO ₂ SO ₂ HF Analysis's	9/15/09	9/29/09
18A 101793				
19A 101794				
20A 101818			9/15/09	9/29/09
21A 101819				
22A 101820				
23A 101821				
24A 101822				
25A 101823				
26A 101909			9/16/09	9/30/09
27A 101910				
28A 101911				
29A 101912				
30A 101913				
31A 101914				

Special Instructions:

☒ Standard turn around time

☐ Rush by _____ date/time

☐ Other _____

☐ Fax results 781-247-4305

☐ RETURN SAMPLES

☒ Electronic transfer - datacoordinator@ehinc.com

☒ Additional report recipient

M. Fragala @ ehinc.com

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

Relinquished by: _____ of Environmental Health & Engineering, Inc.

Date:

9/30/09

Received by: _____ of (company name) A+1

Date:

10/1/09

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 2

SAMPLE RECEIPT SUMMARY

WORKORDER 0910022C

Client

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

Phone

800-825-5343

Fax

781-247-4305

Date Promised: 10/12/09 11:59 pm

Date Completed: 10/27/09

Date Received: 10/1/09

PO#: 16512

Project#: 16512

Sales Rep: TL

Total \$: \$ 1,860.00

Logged By: MW

<u>Fraction</u>	<u>Sample #</u>	<u>Analysis</u>	<u>Collected</u>	<u>Amount\$</u>
01A	101849	SubContract	9/30/2009	\$0.00
02A	101850	SubContract	9/30/2009	\$0.00
03A	101851	SubContract	9/30/2009	\$0.00
04A	101852	SubContract	9/30/2009	\$0.00
05A	101853	SubContract	9/30/2009	\$0.00
06A	101854	SubContract	NA	\$0.00
07A	101855	SubContract	NA	\$0.00
08A	101880	SubContract	9/30/2009	\$0.00
09A	101882	SubContract	9/30/2009	\$0.00
10A	101883	SubContract	9/30/2009	\$0.00
11A	101884	SubContract	9/30/2009	\$0.00
12A	101885	SubContract	9/30/2009	\$0.00
13A	101881	SubContract	NA	\$0.00
14A	101789	SubContract	9/29/2009	\$0.00
15A	101790	SubContract	9/29/2009	\$0.00
16A	101791	SubContract	9/29/2009	\$0.00
17A	101792	SubContract	9/29/2009	\$0.00
18A	101793	SubContract	9/29/2009	\$0.00
19A	101794	SubContract	NA	\$0.00
20A	101818	SubContract	9/29/2009	\$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

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

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

Date Promised: 10/12/09 11:59 pm

Date Completed: 10/27/09

Date Received: 10/1/09

PO#: 16512

Project#: 16512

Sales Rep: TL

Total \$: \$ 1,860.00

Logged By: MW

<u>Fraction</u>	<u>Sample #</u>	<u>Analysis</u>	<u>Collected</u>	<u>Amount\$</u>
21A	101819	SubContract	9/29/2009	\$0.00
22A	101820	SubContract	9/29/2009	\$0.00
23A	101821	SubContract	9/29/2009	\$0.00
24A	101822	SubContract	9/29/2009	\$0.00
25A	101823	SubContract	NA	\$0.00
26A	101909	SubContract	9/30/2009	\$0.00
27A	101910	SubContract	9/30/2009	\$0.00
28A	101911	SubContract	9/30/2009	\$0.00
29A	101912	SubContract	9/30/2009	\$0.00
30A	101913	SubContract	9/30/2009	\$0.00
31A	101914	SubContract	NA	\$0.00
32A	Method Blank 1	SubContract	NA	\$0.00
32B	Method Blank 2	SubContract	NA	\$0.00

Misc. Charges eCVP (31) @ \$5.00 each.

\$155.00

Misc (31) @ \$55.00 each.

\$1,705.00

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

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

SAMPLE RECEIPT SUMMARY

WORKORDER 0910022D

Client

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

Phone

800-825-5343

Fax

781-247-4305

Date Promised: 10/12/09 11:59 pm

Date Completed: 10/27/09

Date Received: 10/1/09

PO#: 16512

Project#: 16512

Total \$: \$ 0.00

Sales Rep: TL

Logged By: MG

<u>Fraction</u>	<u>Sample #</u>	<u>Analysis</u>	<u>Collected</u>	<u>Amount\$</u>
01A	101849	SubContract	9/30/2009	\$0.00
02A	101850	SubContract	9/30/2009	\$0.00
03A	101851	SubContract	9/30/2009	\$0.00
04A	101852	SubContract	9/30/2009	\$0.00
05A	101853	SubContract	9/30/2009	\$0.00
06A	101854	SubContract	NA	\$0.00
07A	101855	SubContract	NA	\$0.00
08A	101880	SubContract	9/30/2009	\$0.00
09A	101882	SubContract	9/30/2009	\$0.00
10A	101883	SubContract	9/30/2009	\$0.00
11A	101884	SubContract	9/30/2009	\$0.00
12A	101885	SubContract	9/30/2009	\$0.00
13A	101881	SubContract	NA	\$0.00
14A	101789	SubContract	9/29/2009	\$0.00
15A	101790	SubContract	9/29/2009	\$0.00
16A	101791	SubContract	9/29/2009	\$0.00
17A	101792	SubContract	9/29/2009	\$0.00
18A	101793	SubContract	9/29/2009	\$0.00
19A	101794	SubContract	NA	\$0.00
20A	101818	SubContract	9/29/2009	\$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

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

SAMPLE RECEIPT SUMMARY Continued

Client	Phone	Date Promised: 10/12/09 11:59 pm
Mr. Taeko Minegishi	800-825-5343	Date Completed: 10/27/09
Environmental Health & Engineering, Inc.	Fax	Date Received: 10/1/09
117 Fourth Avenue	781-247-4305	PO#: 16512
Needham, MA 02494		Project#: 16512
Sales Rep: TL		Total \$: \$ 0.00
		Logged By: MG

<u>Fraction</u>	<u>Sample #</u>	<u>Analysis</u>	<u>Collected</u>	<u>Amount\$</u>
21A	101819	SubContract	9/29/2009	\$0.00
22A	101820	SubContract	9/29/2009	\$0.00
23A	101821	SubContract	9/29/2009	\$0.00
24A	101822	SubContract	9/29/2009	\$0.00
25A	101823	SubContract	NA	\$0.00
26A	101909	SubContract	9/30/2009	\$0.00
27A	101910	SubContract	9/30/2009	\$0.00
28A	101911	SubContract	9/30/2009	\$0.00
29A	101912	SubContract	9/30/2009	\$0.00
30A	101913	SubContract	9/30/2009	\$0.00
31A	101914	SubContract	NA	\$0.00
32A	Method Blank 1	SubContract	NA	\$0.00
32B	Method Blank 2	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

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

Other Records

DATA REVIEW CHECKLIST

Work Order #:

0910022C

A₁ A₂ 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)
☒ ☒ ☐ ☐ ☒ ☐ 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
☐ ☐ ☐ ☒ ☐ ☐ Appropriate data qualifier flags are applied
☐ ☐ ☐ ☐ ☒ ☐ Manual integrations for samples and QC are properly documented
☐ ☐ ☐ ☐ ☐ ☐ Samples analyzed within the project or method specific clock
☐ ☐ ☐ ☐ ☐ ☐ Retention times have been verified
☐ ☐ ☐ ☐ ☐ ☐ Appropriate ICAL(s) included
-
- ☒ ☐ ☐ ☒ ☐ ☐ 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)
☒ ☒ ☐ ☐ ☐ ☐ 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.)
☐ ☐ ☒ ☐ ☐ ☐ 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
☒ ☐ ☒ ☐ ☐ ☐ 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
☐ ☒ ☐ ☐ ☐ ☐ Date MDL(s) performed per instrument(s) _____
-
- ☐ ☐ ☒ ☐ ☐ ☐ Samples pressurized w/ appropriate gas (N₂ or He) ☐ Other (i.e. Tedlar bag, cartridge, sorbent)
☐ ☐ ☒ ☐ ☐ ☐ 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.)
-
- ☒ ☒ ☐ ☐ ☐ ☐ MDL date(s) present for all instruments utilized
☒ ☐ ☒ ☐ ☐ ☐ Client LUMEN report reviewed for accuracy and completeness
☐ ☐ ☒ ☐ ☐ ☐ Final PDF report reviewed for correctness

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

A/R:

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: VB 10/27/09	21 10/27/09	
A ₂ :	T:		

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

Rev. 06/26/09

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

0027

DATA REVIEW CHECKLIST

Work Order #:

0910022 D

A₁ A₂ 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)
☐ ☐ ☒ ☐ ☒ ☐ 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
☐ ☐ ☐ ☒ ☒ ☐ Appropriate data qualifier flags are applied
☐ ☐ ☐ ☒ ☒ ☐ Manual integrations for samples and QC are properly documented
☐ ☐ ☐ ☐ ☐ ☐ Samples analyzed within the project or method specific clock
☐ ☐ ☐ ☐ ☐ ☐ Retention times have been verified
☐ ☐ ☐ ☐ ☐ ☐ Appropriate ICAL(s) included

☐ ☐ ☒ ☐ ☒ ☐ 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)
☐ ☐ ☒ ☐ ☐ ☐ 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.)
☐ ☐ ☒ ☐ ☐ ☐ 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
☐ ☐ ☒ ☐ ☒ ☐ 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
☐ ☐ ☒ ☐ ☐ ☐ Date MDL(s) performed per instrument(s)
☐ ☐ ☒ ☐ ☐ ☐ Samples pressurized w/ appropriate gas (N₂ or He) ☐ Other (i.e. Tedlar bag, cartridge, sorbent)
☐ ☐ ☒ ☐ ☐ ☐ 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.)

☐ ☐ ☒ ☐ ☐ ☐ MDL date(s) present for all instruments utilized
☐ ☐ ☒ ☐ ☐ ☐ Client LUMEN report reviewed for accuracy and completeness
☐ ☐ ☒ ☐ ☐ ☐ Final PDF report reviewed for correctness

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

A/R:

M/Q:

A₁/A₂

R/T

M

Q

(Analytical Review/Date)

(Reporting Review/Date)

(Management Review/Date)

(QA Review/Date)

A₁:

R: VB 10/27/09

M: 10/27/09

A₂:

T:

Note (1): Please check all the appropriate boxes. Indicate "NA" for any statement that does not apply.
 Note (2): Management reviewer and reporting reviewer must be separate individuals.

Rev. 06/26/09

0028

Laboratory Report

Air Toxics, Ltd

CPSC 16512

ARF 59971

APPL, Inc.

INORGANIC ANALYSIS

APPL, INC.

Data Validation Package for

INORGANIC ANALYSIS

TABLE OF CONTENTS

LABORATORY NAME: APPL, Inc.

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APPL, INC.

INORGANIC ANALYSIS

Case Narrative

APPL, INC.

EPA Method 300.0

Sulfate/Sulfide & Fluoride

Case Narrative

ARF: 59971

Project: 16512 CPSC

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 October 8, 2009, at 4.0°C. The sample group was assigned Analytical Request Form (ARF) number 59971. 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
101849	AY05396	WATER	NA	10/08/09
101850	AY05397	WATER	NA	10/08/09
101851	AY05398	WATER	NA	10/08/09
101852	AY05399	WATER	NA	10/08/09
101853	AY05400	WATER	NA	10/08/09
101854	AY05401	WATER	NA	10/08/09
101855	AY05402	WATER	NA	10/08/09
101880	AY05403	WATER	NA	10/08/09
101882	AY05404	WATER	NA	10/08/09
101883	AY05405	WATER	NA	10/08/09
101884	AY05406	WATER	NA	10/08/09
101885	AY05407	WATER	NA	10/08/09
101881	AY05408	WATER	NA	10/08/09
101789	AY05409	WATER	NA	10/08/09
101790	AY05410	WATER	NA	10/08/09
101791	AY05411	WATER	NA	10/08/09
101792	AY05412	WATER	NA	10/08/09
101793	AY05413	WATER	NA	10/08/09
101794	AY05414	WATER	NA	10/08/09
101818	AY05415	WATER	NA	10/08/09
101819	AY05416	WATER	NA	10/08/09
101820	AY05417	WATER	NA	10/08/09
101821	AY05418	WATER	NA	10/08/09

101822	AY05419	WATER	NA	10/08/09
101823	AY05420	WATER	NA	10/08/09
101909	AY05421	WATER	NA	10/08/09
101910	AY05422	WATER	NA	10/08/09
101911	AY05423	WATER	NA	10/08/09
101912	AY05424	WATER	NA	10/08/09
101913	AY05425	WATER	NA	10/08/09
101914	AY05426	WATER	NA	10/08/09
METHOD BLANK1	AY05427	WATER	NA	10/08/09
METHOD BLANK2	AY05428	WATER	NA	10/08/09

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.

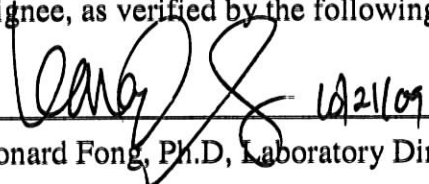
No sample was designated for MS/MSD analysis.

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.


 Leonard Fong, Ph.D, Laboratory Director / Date

INORGANIC ANALYSIS
Chain of Custody and ARF

APPL, INC.

APPL - Analysis Request Form

59971

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 CPSC
 PO #: 0910022C
 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: 10/08/09 Time: 11:45
 Delivered by: FED EX
 Shuttle Custody Seals (Y/N): N
 Chest Temp(s): 4.0°C
 Color: B-RED
 Samples Chilled until Placed in Refrig/Freezer: Y
 Project Manager: Diane Anderson
 QC Report Type: DVP4-E/CA
 Due Date: 10/22/09

Comments:

*Full data package and ATL EDD format
 Sulfite/Sulfate 5mg/L
 Fluoride 1mg/L*

10-12 PoFid ARF

Sample Distribution:

Wetlab: 33-\$300WSO3(F,SO4)

Charges:

Invoice To:

Client ID	APPL ID	Sampled	Analyses Requested
1. 101849	AY05396W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted
2. 101850	AY05397W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted
3. 101851	AY05398W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted
4. 101852	AY05399W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted
5. 101853	AY05400W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted
6. 101854	AY05401W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted
7. 101855	AY05402W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted

APPL - Analysis Request Form

59971

8. 101880	AY05403W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted
9. 101882	AY05404W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted
10. 101883	AY05405W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted
11. 101884	AY05406W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted
12. 101885	AY05407W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted
13. 101881	AY05408W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted
14. 101789	AY05409W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted
15. 101790	AY05410W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted
16. 101791	AY05411W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted
17. 101792	AY05412W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted
18. 101793	AY05413W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted
19. 101794	AY05414W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted
20. 101818	AY05415W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted
21. 101819	AY05416W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted
22. 101820	AY05417W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted
23. 101821	AY05418W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted
24. 101822	AY05419W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted
25. 101823	AY05420W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted
26. 101909	AY05421W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted
27. 101910	AY05422W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted
28. 101911	AY05423W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted
29. 101912	AY05424W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted
30. 101913	AY05425W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted
31. 101914	AY05426W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted
32. METHOD BLANK1	AY05427W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted
33. METHOD BLANK2	AY05428W 	NA 00:00	\$300WSO3(F,SO4) -- already been extracted

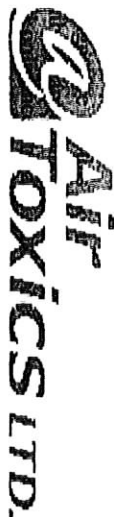
Initials _____ Date _____

APPL Sample Receipt Form

ARF# 59971

Sample	Container Type	Count	pH
AY05396	26 Other	1	NA
AY05397	26 Other	1	NA
AY05398	26 Other	1	NA
AY05399	26 Other	1	NA
AY05400	26 Other	1	NA
AY05401	26 Other	1	NA
AY05402	26 Other	1	NA
AY05403	26 Other	1	NA
AY05404	26 Other	1	NA
AY05405	26 Other	1	NA
AY05406	26 Other	1	NA
AY05407	26 Other	1	NA
AY05408	26 Other	1	NA
AY05409	26 Other	1	NA
AY05410	26 Other	1	NA
AY05411	26 Other	1	NA
AY05412	26 Other	1	NA
AY05413	26 Other	1	NA
AY05414	26 Other	1	NA
AY05415	26 Other	1	NA
AY05416	26 Other	1	NA
AY05417	26 Other	1	NA
AY05418	26 Other	1	NA
AY05419	26 Other	1	NA
AY05420	26 Other	1	NA
AY05421	26 Other	1	NA
AY05422	26 Other	1	NA
AY05423	26 Other	1	NA
AY05424	26 Other	1	NA
AY05425	26 Other	1	NA
AY05426	26 Other	1	NA
AY05427	26 Other	1	NA
AY05428	26 Other	1	NA

Sample	Container Type	Count	pH
--------	----------------	-------	----



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) 467-4972.

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

i 4

Project Manager: Ausha Scott Company: Air Toxics Ltd. Address: 180 Blue Ravine Rd State: CA Zip: 95630 Phone: 916-605-3344 FAX: 916-985-1020 City: Folsom				Project Information: P.O. # 0910022C Project # 16512 Project Name CPSC		Turn Around Time: ☒ Normal ☐ Rush Specify		Reporting Units: ☐ ppmv ☐ ppbv ☐ ug/m3 ☐ mg/m3	
Collected By (print and sign):									
Lab I.D.	Field Sample I.D.	Tube/ Cartridge	Date of Collection	Start Time	End Time	Duration	Final Volume	Analysis Requested	
101849								Sulfite, Sulfate and Fluoride by	
101850								Method 300	
101851									
101852									
101853									
101854									
101855									
101880									
101882									
101883									
Relinquished By: (Signature) Date/Time <i>Ausha Scott 10/14/09 1305</i>		Received By: (Signature) Date/Time		Pump Calibration Information		Notes:			
Relinquished By: (Signature) Date/Time		Received By: (Signature) Date/Time		Pre-test Flow Rate:		<i>Electronic validation package</i>			
Relinquished By: (Signature) Date/Time		Received By: (Signature) Date/Time		Post-test Flow Rate:					
Relinquished By: (Signature) Date/Time		Received By: (Signature) Date/Time		Average Flow Rate:					

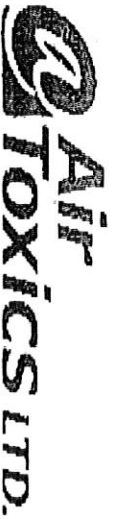


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AIR TOXICS LTD.
180 BLUE RAVINE RD, SUITE B
FOLSOM, CA 95630-1020
916-985-1000 main line
916-985-1020 fax line

2 4

Project Manager: Ausha Scott Company: Air Toxics Ltd. Address: 180 Blue Ravine Rd State: CA Zip: 95630 Phone: 916-605-3344 City: Folsom FAX: 916-985-1020				Project Information: P.O. # 0910022C Project # 16512 Project Name CPSC				Turn Around Time: ☒ Normal ☐ Rush Specify		Reporting Units: ☐ ppmv ☐ ppbv ☐ ug/m3 ☐ mg/m3	
Collected By (print and sign):											
Lab I.D.	Field Sample I.D.	Tube/ Cartridge	Date of Collection	Start Time	End Time	Duration	Final Volume	Analysis Requested			
101884								Sulfite, Sulfate and Fluoride by Method 300			
101885											
101881											
101789											
101790											
101791											
101792											
101793											
101794											
101818											
Relinquished By (Signature) Date/Time [Signature] 10/17/09 1300		Received By (Signature) Date/Time [Signature] 10/18/09 1130		Pump Calibration Information Pre-test Flow Rate: Post-test Flow Rate: Average Flow Rate:				Notes:			
Relinquished By (Signature) Date/Time [Signature] 10/17/09 1300		Received By (Signature) Date/Time [Signature] 10/18/09 1130									
Relinquished By (Signature) Date/Time [Signature] 10/18/09 1130											



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

3 4

Project Manager: Ausha Scott Company: Air Toxics Ltd. Address: 180 Blue Ravine Rd State: CA Zip: 95630 Phone: 916-605-3344 FAX: 916-985-1020 City: Folsom					Project Information: P.O. # 0910022C Project # 16512 Project Name CPSC			Turn Around Time: ☒ Normal ☐ Rush Specify		Reporting Units: ☐ ppmv ☐ ppbv ☐ ug/m3 ☐ mg/m3	
Collected By (print and sign):											
Lab I.D.	Field Sample I.D.	Tube/ Cartridge	Date of Collection	Start Time	End Time	Duration	Final Volume	Analysis Requested		Notes:	
101819								Sulfite, Sulfate and Fluoride by			
101820								Method 300			
101821											
101822											
101823											
101909											
101910											
101911											
101912											
101913											
Relinquished By: (Signature) Date/Time A. Scott 10/7/09 1200		Received By: (Signature) Date/Time		Pump Calibration Information							
Relinquished By: (Signature) Date/Time		Received By: (Signature) Date/Time		Pre-test Flow Rate:							
Relinquished By: (Signature) Date/Time		Received By: (Signature) Date/Time		Post-test Flow Rate:							
Relinquished By: (Signature) Date/Time		Received By: (Signature) Date/Time		Average Flow Rate:							



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

COOLER RECEIPT FORM

1) Project: 16512 CPSC Date Received: 10/8/09
 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) 40805621 5900 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.): vials in plastic case.
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: 25297 Correction factor: 0
 15) Cooler temp(s): 1) 4.6°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: 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	Units	Prep Date	Anal Date	QC Group
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/12/09	10/12/09	\$300WS-091012A1-AY053
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/12/09	10/12/09	\$300WS-091012A1-AY053
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/13/09	10/13/09	\$300WS-091013A-AY0540
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/13/09	10/13/09	\$300WS-091013A-AY0540
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/14/09	10/14/09	\$300WS-091014A-AY0542
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/14/09	10/14/09	\$300WS-091014A-AY0542

Printed: 10/21/09 3:15:52 PM

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	4.84	96.8	90-110	10/12/09	10/12/09	\$300WS-091012A1-AY05396
EPA 300.0	Sulfate/Sulfite total	50.0	49.1	98.2	90-110	10/12/09	10/12/09	\$300WS-091012A1-AY05396

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	4.98	99.6	90-110	10/13/09	10/13/09	\$300WS-091013A-AY05406
EPA 300.0	Sulfate/Sulfite total	50.0	49.5	99.0	90-110	10/13/09	10/13/09	\$300WS-091013A-AY05406

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	4.86	97.2	90-110	10/14/09	10/14/09	\$300WS-091014A-AY05421
EPA 300.0	Sulfate/Sulfite total	50.0	49.0	98.0	90-110	10/14/09	10/14/09	\$300WS-091014A-AY05421

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 CPSC

Sample ID: 101849

Sample Collection Date: No Date Specified

APPL ID: AY05396

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/12/09	10/12/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/12/09	10/12/09

Sample Analysis Report

Sample Name : AY05396W01 1/5

Data File Name : i:\dionex\dlanions\data\091012a\091012A_014.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/12/09 11:50:12

System Operator : PD

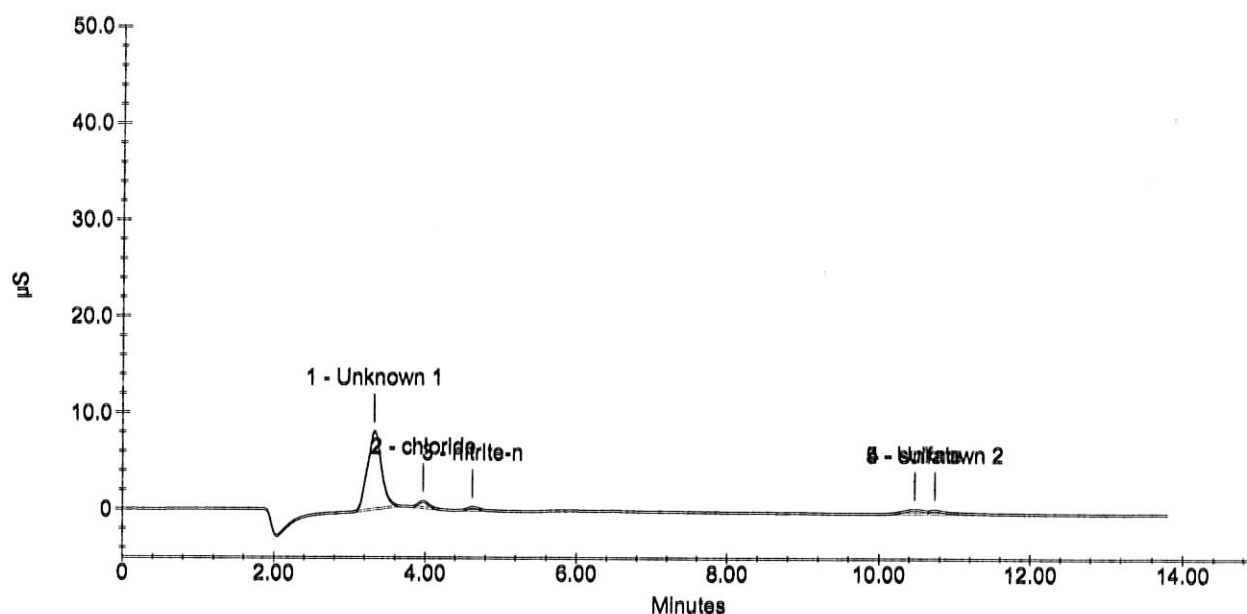
Injection Number : 14

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	3.32	Unknown 1	0.0000	1027815	79836	
2	3.97	chloride	5.2877	58807	6432	
3	4.63	nitrite-n	0.3881	30378	2999	
4	10.47	sulfate	3.3275	70188	3665	
5	10.73	Unknown 2	0.0000	47749	3316	

AY05396W01 1/5



Sample Analysis Report

Sample Name : AY05396W01 1/5

Data File Name : i:\dionex\d1anions\data\091012a\091012A_014.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA sulfite 08-25-09Low.met

Date Time Collected : 10/12/09 11:50:12

System Operator : PD

Injection Number : 14

Multiplier : 5.00

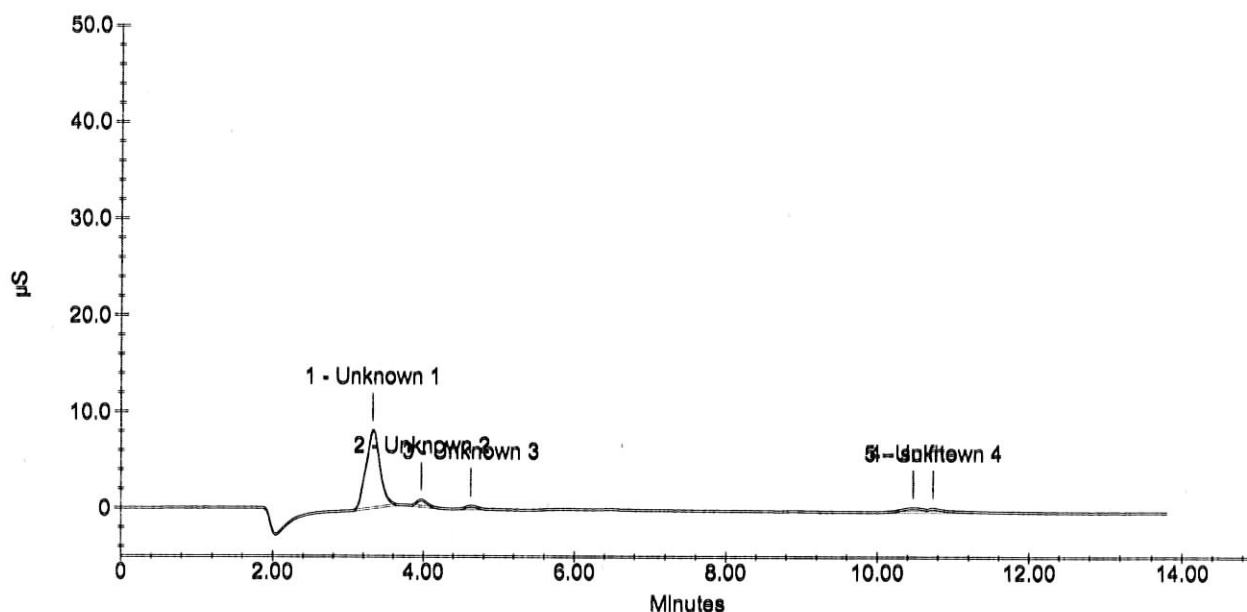
Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.32	Unknown 1	0.0000	1027815	79836	
2	3.97	Unknown 2	0.0000	58807	6432	
3	4.63	Unknown 3	0.0000	30378	2999	
4	10.47	sulfite	N.D. 1.0854	70188	3665	
5	10.73	Unknown 4	0.0000	47749	3316	

NOT the retention time for SO3

PD 10/19/09

AY05396W01 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 CPSC

Sample ID: 101850

Sample Collection Date: No Date Specified

APPL ID: AY05397

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/12/09	10/12/09
EPA 300.0	Sulfate/Sulfite total	262	6.0	mg/L	10/13/09	10/13/09
EPA 300.0	Sulfate/Sulfite total	269 E	5.0	mg/L	10/12/09	10/12/09

E = The reported value exceeds linear range.

Sample Analysis Report

Sample Name : AY05397W01 1/5

Data File Name : i:\dionex\d1anions\data\091012a\091012A_015.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/12/09 12:06:41

System Operator : PD

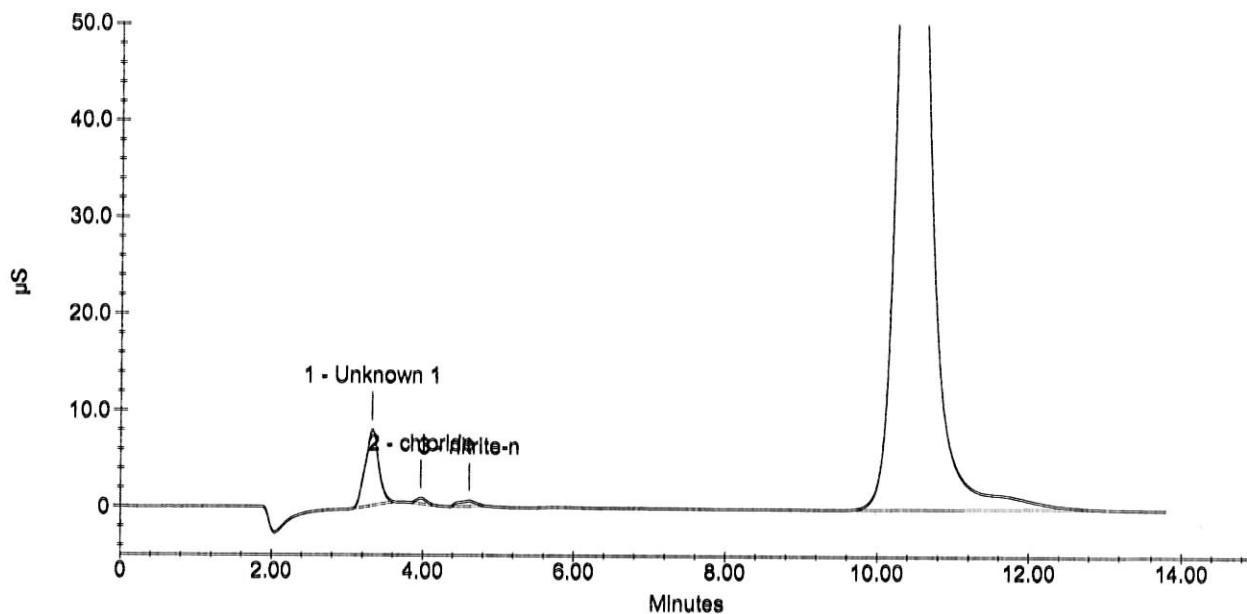
Injection Number : 15

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	3.32	Unknown 1	0.0000	980596	78125	
2	3.97	chloride	5.2480	52401	5852	
3	4.61	nitrite-n	0.5900	88277	5336	
4	10.41	sulfate	268.6769	27500137	1044894	+

AY05397W01 1/5



Sample Analysis Report

Sample Name : AY05397W01 1/5

Data File Name : i:\dionex\d1anions\data\091012a\091012A_015.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/12/09 12:06:41

System Operator : PD

Injection Number : 15

Multiplier : 5.00

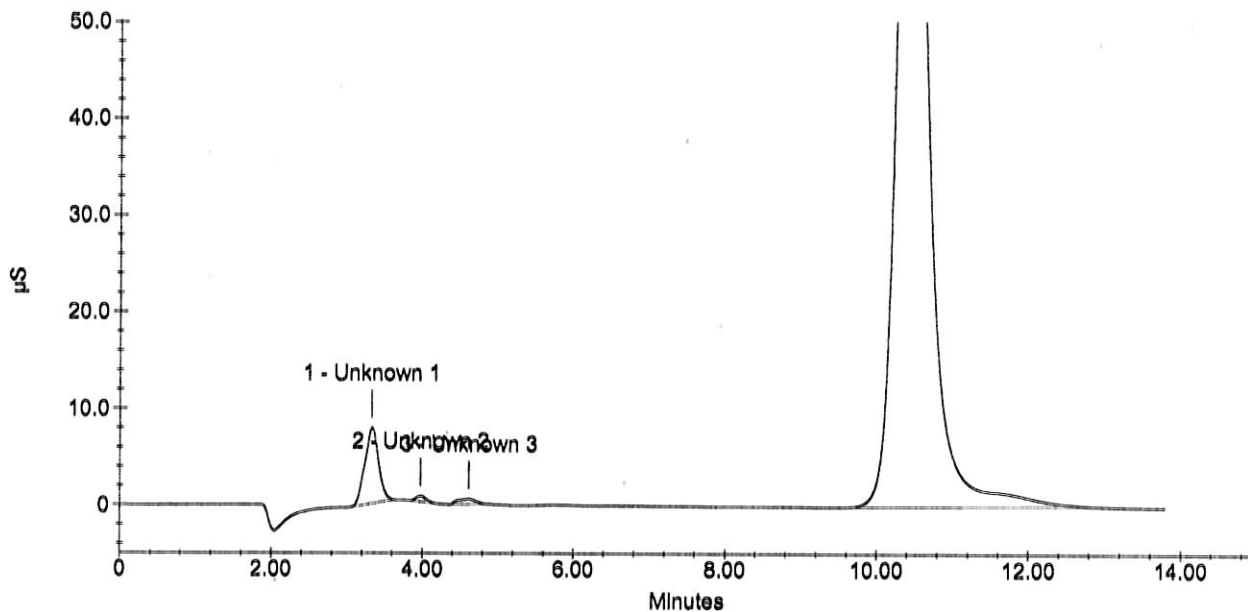
Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.32	Unknown 1	0.0000	980596	78125	
2	3.97	Unknown 2	0.0000	52401	5852	
3	4.61	Unknown 3	0.0000	88277	5336	
4	10.41	sulfite	N.D. 566.5539	27500137	1044894	+

Not Retention
for 823

7.0. 10/19/09

AY05397W01 1/5



Sample Analysis Report

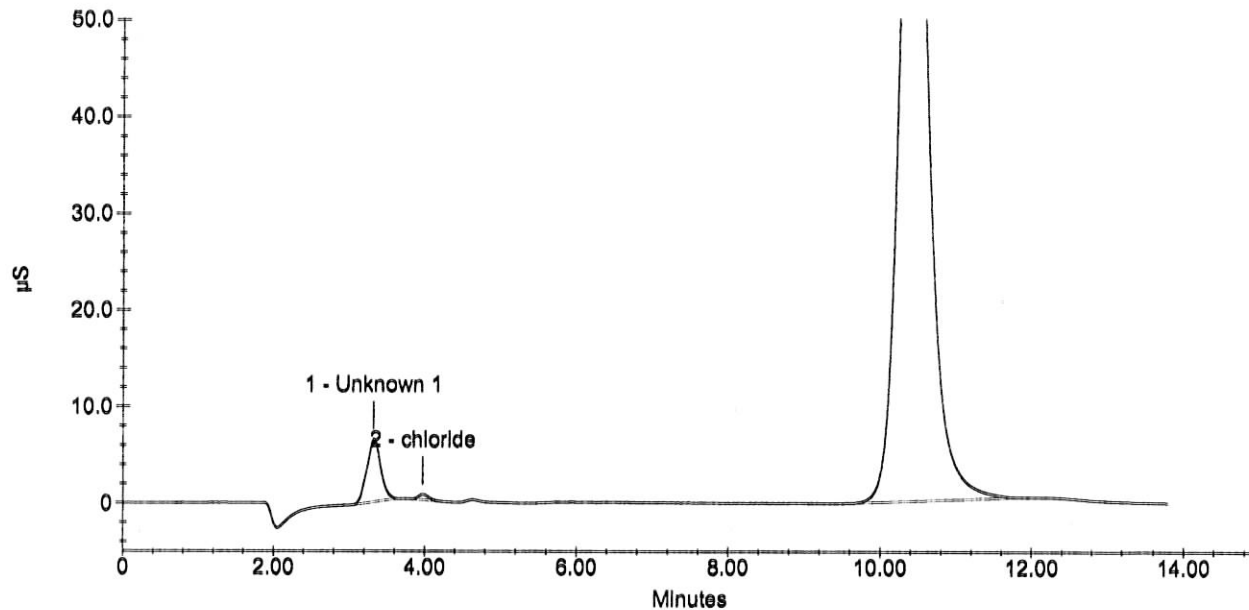
Sample Name : AY05397W01 1/56 P.D 10/21/09
Data File Name : i:\dionex\d1anions\data\091013a\091013a_010.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met
Date Time Collected : 10/13/09 10:52:54
System Operator : PD
Injection Number : 10
Multiplier : 6.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.32	Unknown 1	0.0000	819416	64500	
2	3.97	chloride	6.2835	50498	5399	
3	10.39	sulfate	262.3035	22322120	876363	+

AY05397W01 1/5



Sample Analysis Report

Sample Name : AY05397W01 1/86 PD 10/24/09
Data File Name : i:\dionex\d1anions\data\091013a\091013a_010.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA sulfite 08-25-09Low.met
Date Time Collected : 10/13/09 10:52:54
System Operator : PD
Injection Number : 10
Multiplier : 6.00

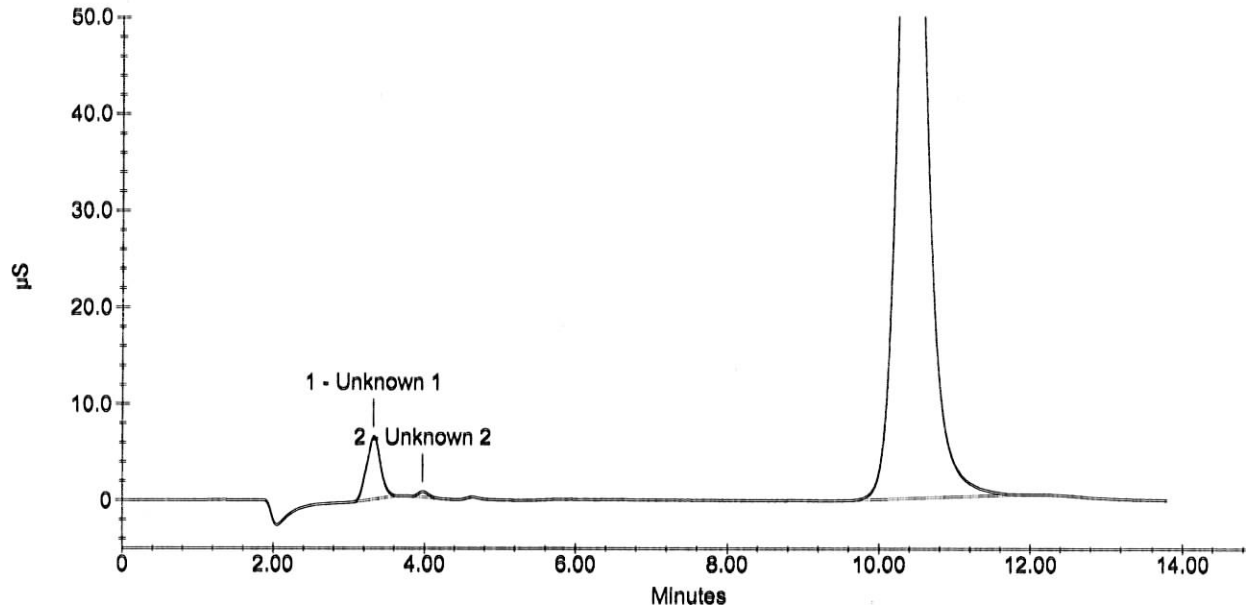
Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.32	Unknown 1	0.0000	819416	64500	
2	3.97	Unknown 2	0.0000	50498	5399	
3	10.39	sulfite	N.D. 551.7709	22322120	876363	+

Not
Retention time
for SO3

PD 10/19/09

AY05397W01 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 CPSC

Sample ID: 101851

Sample Collection Date: No Date Specified

APPL ID: AY05398

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/12/09	10/12/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/12/09	10/12/09

Sample Analysis Report

Sample Name : AY05398W01 1/5

Data File Name : i:\dionex\d1anions\data\091012a\091012A_016.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/12/09 12:23:10

System Operator : PD

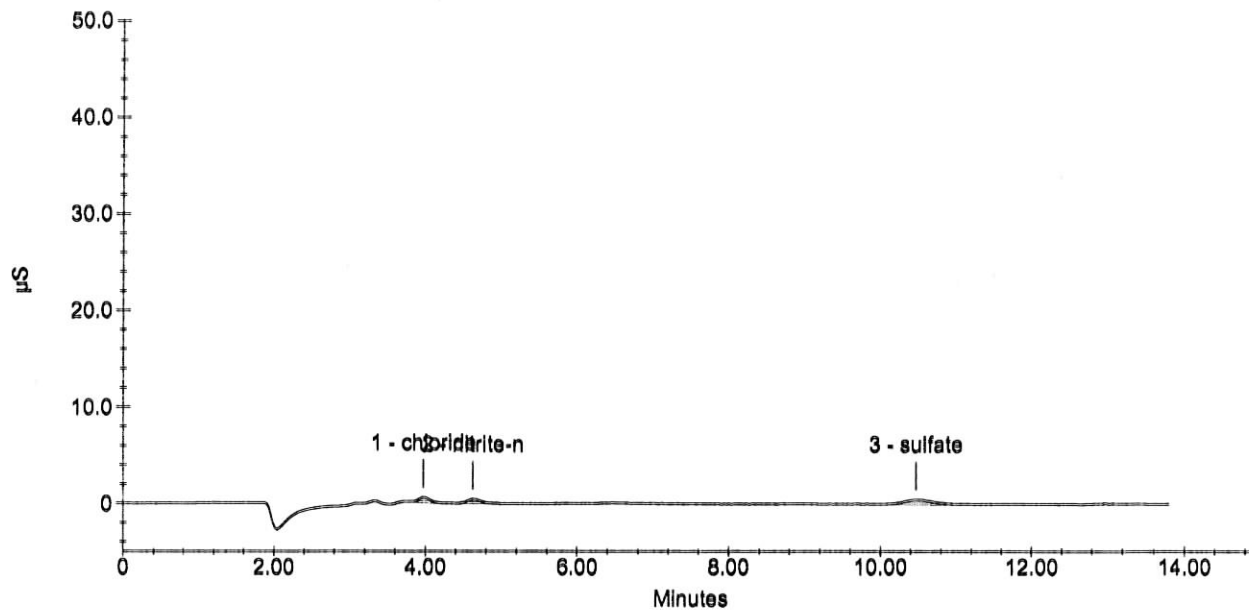
Injection Number : 16

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	3.97	chloride	5.1809	41569	4503	
2	4.63	nitrite-n	0.4097	36577	3633	
3	10.47	sulfate	3.6136	99766	4130	

AY05398W01 1/5



Sample Analysis Report

Sample Name : AY05398W01 1/5

Data File Name : i:\dionex\d1anions\data\091012a\091012A_016.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsulfite 08-25-09Low.met

Date Time Collected : 10/12/09 12:23:10

System Operator : PD

Injection Number : 16

Multiplier : 5.00

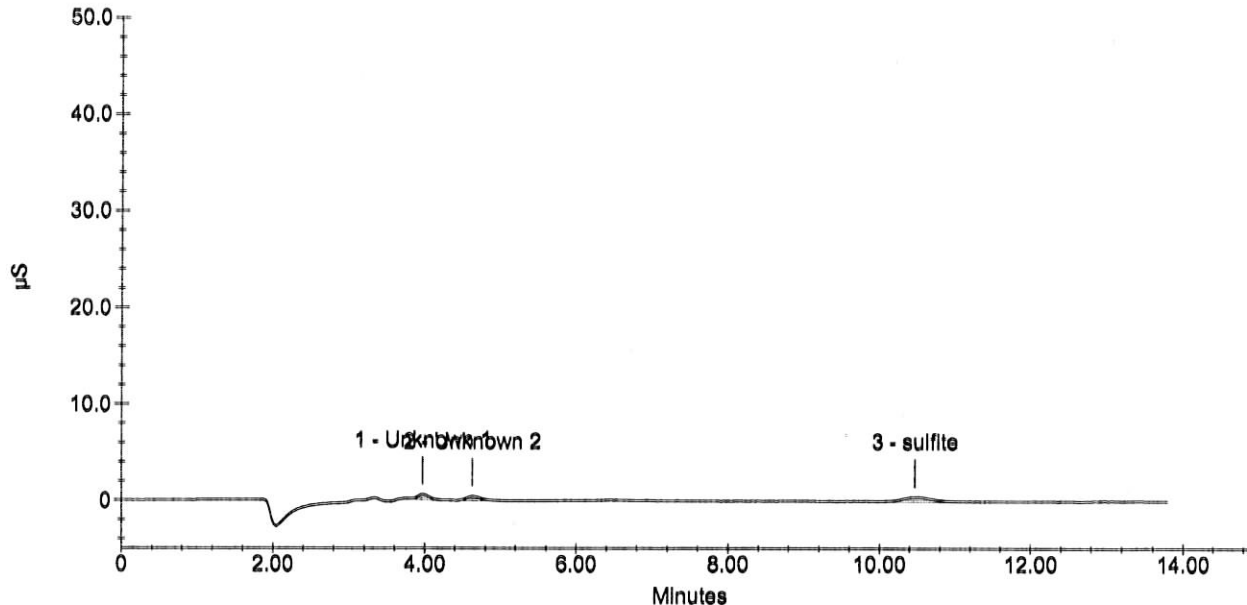
Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.97	Unknown 1	0.0000	41569	4503	
2	4.63	Unknown 2	0.0000	36577	3633	
3	10.47	sulfite	N.D. 1.6952	99766	4130	

Not the Retention
time for SO₃

P.D 10/19/09

AY05398W01 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 CPSC

Sample ID: 101852

Sample Collection Date: No Date Specified

APPL ID: AY05399

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/12/09	10/12/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/12/09	10/12/09

Sample Analysis Report

Sample Name : AY05399W01 1/5

Data File Name : i:\dionex\dlanions\data\091012a\091012A_017.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/12/09 12:39:38

System Operator : PD

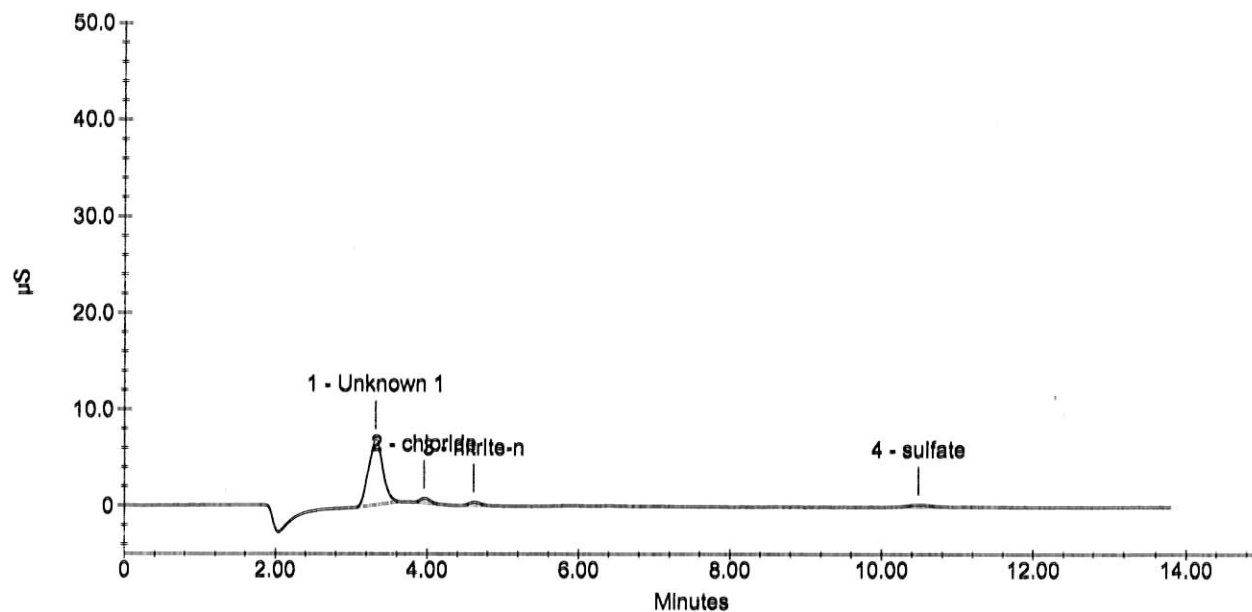
Injection Number : 17

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	3.32	Unknown 1	0.0000	874552	68367	
2	3.96	chloride	5.1785	41185	4572	
3	4.61	nitrite-n	0.3952	32415	3166	
4	10.48	sulfate	3.0890	45541	2057	

AY05399W01 1/5



Sample Analysis Report

Sample Name : AY05399W01 1/5

Data File Name : i:\dionex\dlanions\data\091012a\091012A_017.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/12/09 12:39:38

System Operator : PD

Injection Number : 17

Multiplier : 5.00

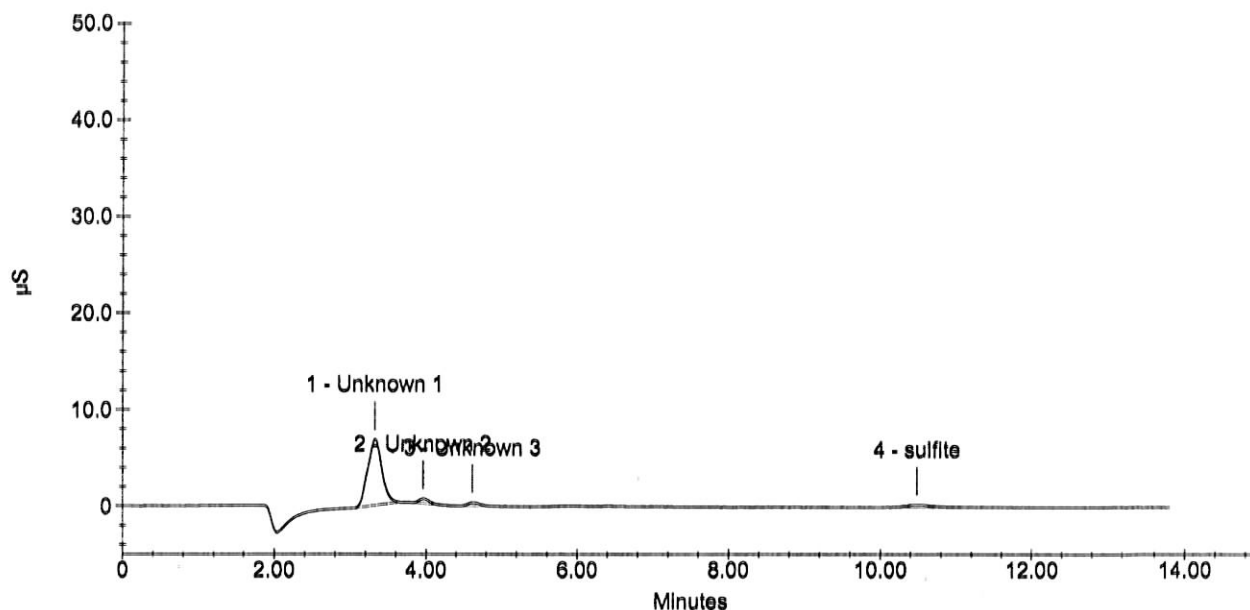
Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.32	Unknown 1	0.0000	874552	68367	
2	3.96	Unknown 2	0.0000	41185	4572	
3	4.61	Unknown 3	0.0000	32415	3166	
4	10.48	sulfite	N.D 0.5773	45541	2057	-

Not the Retention time for SO3

PD 10/19/09

AY05399W01 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 CPSC

Sample ID: 101853

Sample Collection Date: No Date Specified

APPL ID: AY05400

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/12/09	10/12/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/12/09	10/12/09

Sample Analysis Report

Sample Name : AY05400W01 1/5

Data File Name : i:\dionex\dlanions\data\091012a\091012A_022.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/12/09 14:01:11

System Operator : PD

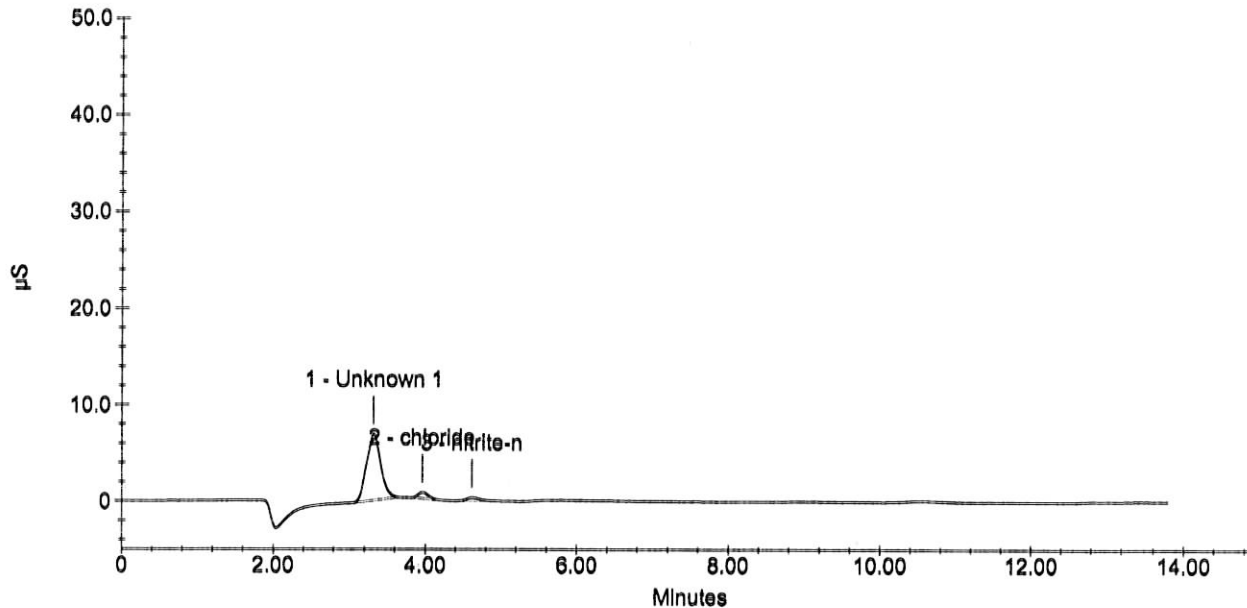
Injection Number : 22

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	3.32	Unknown 1	0.0000	882437	68602	
2	3.96	chloride	5.2788	57366	6177	
3	4.61	nitrite-n	0.3864	29894	2984	

AY05400W01 1/5



Sample Analysis Report

Sample Name : AY05400W01 1/5

Data File Name : i:\dionex\dlanions\data\091012a\091012A_022.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/12/09 14:01:11

System Operator : PD

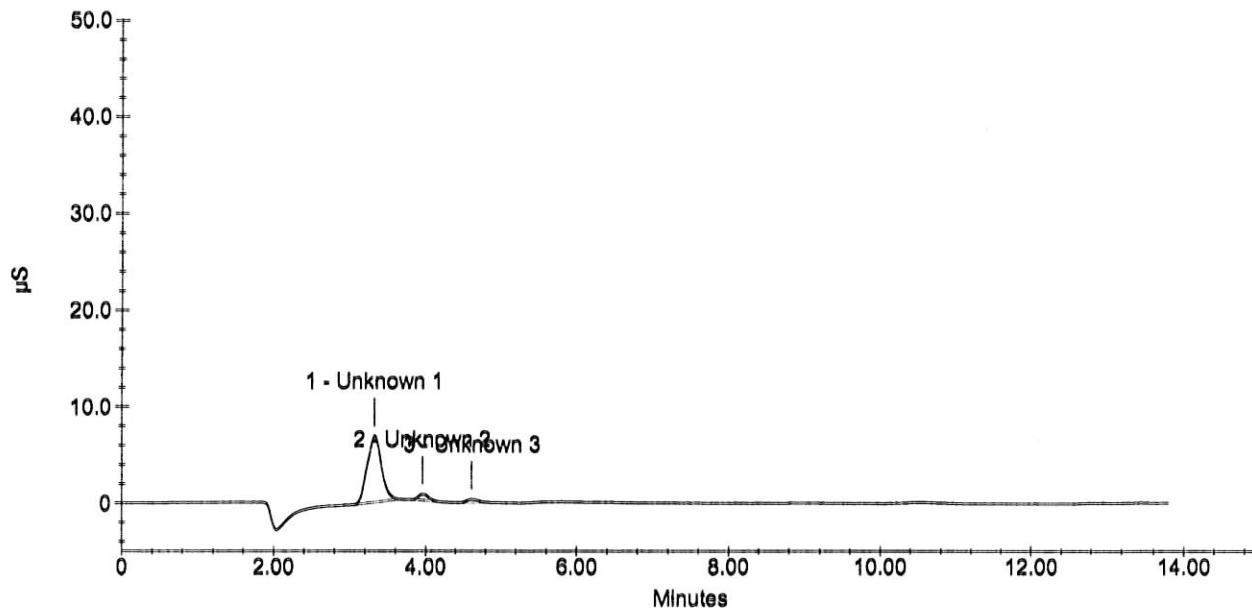
Injection Number : 22

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	3.32	Unknown 1	0.0000	882437	68602	
2	3.96	Unknown 2	0.0000	57366	6177	
3	4.61	Unknown 3	0.0000	29894	2984	

AY05400W01 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 CPSC

Sample ID: 101854

Sample Collection Date: No Date Specified

APPL ID: AY05401

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/12/09	10/12/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/12/09	10/12/09

Sample Analysis Report

Sample Name : AY05401W01 1/5

Data File Name : i:\dionex\dlanions\data\091012a\091012A_026.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/12/09 15:07:12

System Operator : PD

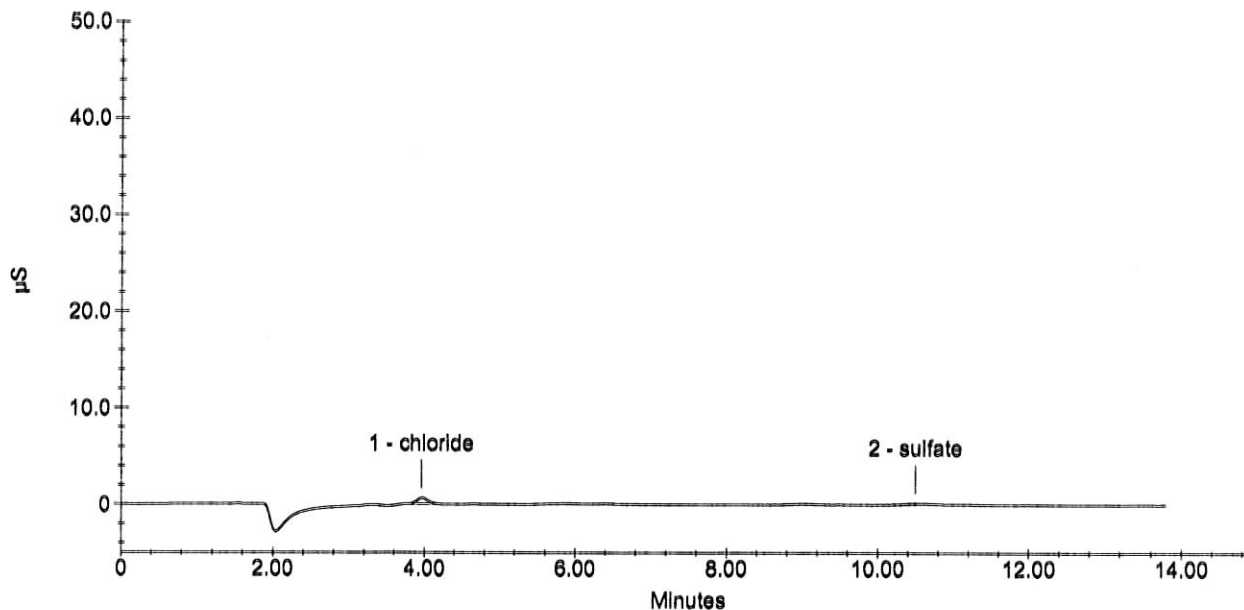
Injection Number : 26

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	3.96	chloride	5.2577	53964	5754	
2	10.49	sulfate	2.8156	17277	1015	

AY05401W01 1/5



Sample Analysis Report

Sample Name : AY05401W01 1/5

Data File Name : i:\dionex\dlanions\data\091012a\091012A_026.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/12/09 15:07:12

System Operator : PD

Injection Number : 26

Multiplier : 5.00

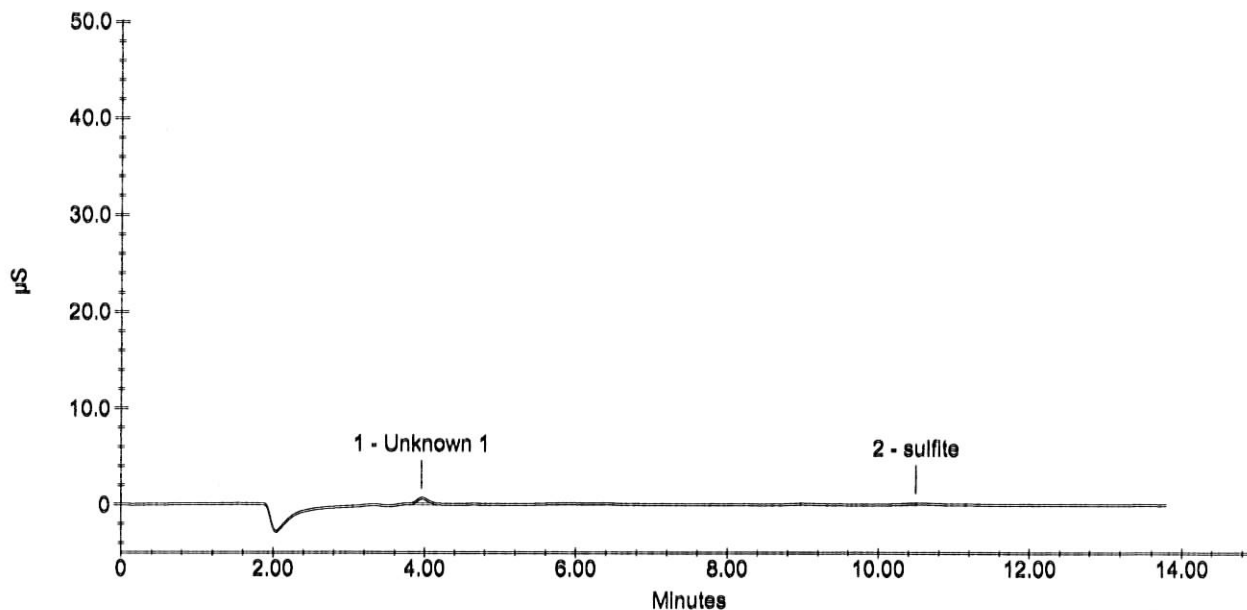
Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.96	Unknown 1	0.0000	53964	5754	
2	10.49	sulfite	-0.0053	17277	1015	-

Wrong Retention time for SO3

PD 10/19/09

AY05401W01 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 CPSC

Sample ID: 101855

Sample Collection Date: No Date Specified

APPL ID: AY05402

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/12/09	10/12/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/12/09	10/12/09

Sample Analysis Report

Sample Name : AY05402W01 1/5

Data File Name : i:\dionex\dlanions\data\091012a\091012A_028.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/12/09 15:40:00

System Operator : PD

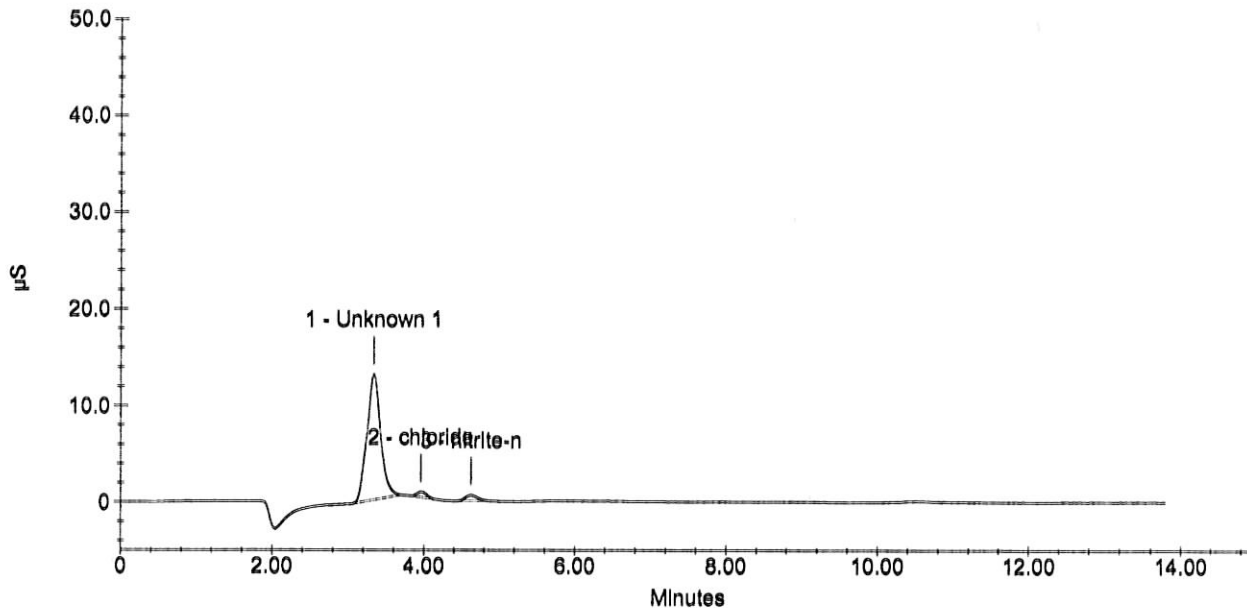
Injection Number : 28

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	3.33	Unknown 1	0.0000	1626951	129622	
2	3.96	chloride	5.2074	45843	5246	
3	4.63	nitrite-n	0.4973	61670	5730	

AY05402W01 1/5



Sample Analysis Report

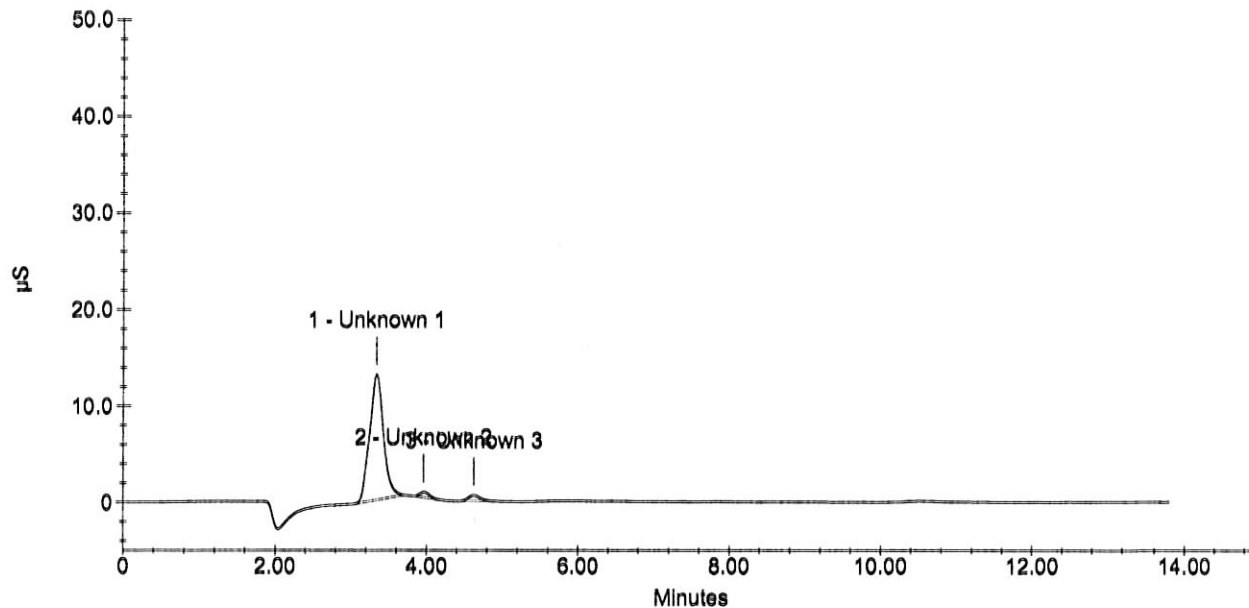
Sample Name : AY05403W01 1/5 ² PP 10/21/09
Data File Name : i:\dionex\d1anions\data\091012a\091012A_028.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 10/12/09 15:40:00
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	3.33	Unknown 1	0.0000	1626951	129622	
2	3.96	Unknown 2	0.0000	45843	5246	
3	4.63	Unknown 3	0.0000	61670	5730	

AY05403W01 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 CPSC

Sample ID: 101880

Sample Collection Date: No Date Specified

APPL ID: AY05403

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/12/09	10/12/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/12/09	10/12/09

Sample Analysis Report

Sample Name : AY05403W01 1/5

Data File Name : i:\dionex\d1anions\data\091013a\091013a_008.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/13/09 10:20:00

System Operator : PD

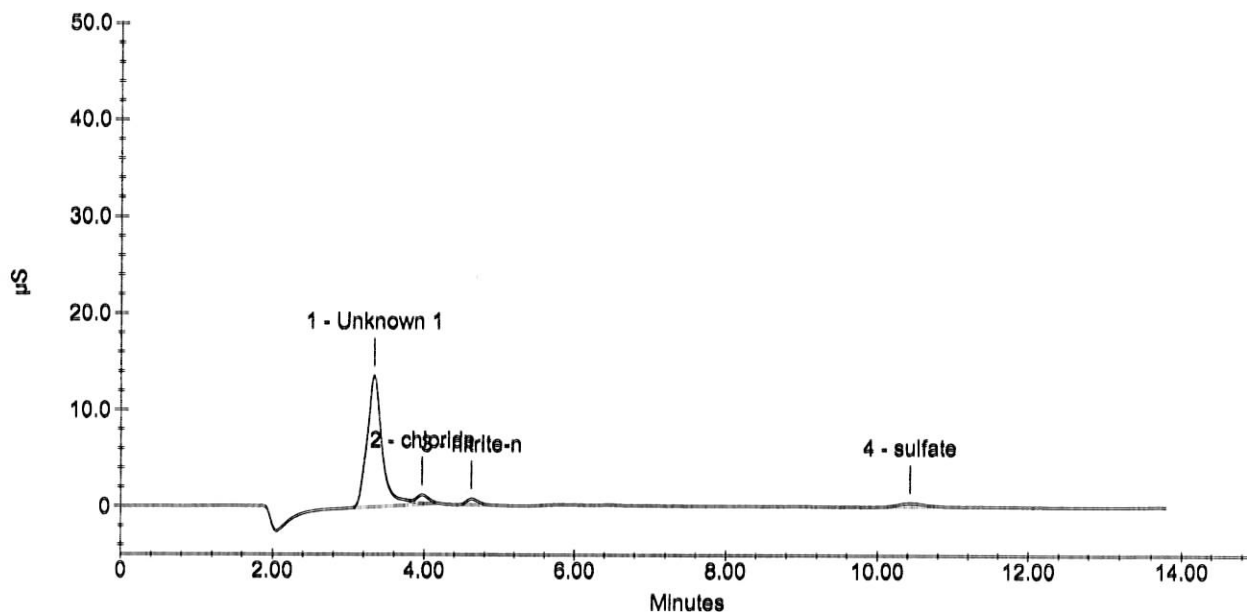
Injection Number : 8

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	3.33	Unknown 1	0.0000	1883216	135202	
2	3.97	chloride	5.4913	91665	8483	
3	4.63	nitrite-n	0.5070	64453	5930	
4	10.43	sulfate	3.4052	78219	3511	

AY05403W01 1/5



Sample Analysis Report

Sample Name : AY05403W01 1/5

Data File Name : i:\dionex\d1anions\data\091013a\091013a_008.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA sulfite 08-25-09Low.met

Date Time Collected : 10/13/09 10:20:00

System Operator : PD

Injection Number : 8

Multiplier : 5.00

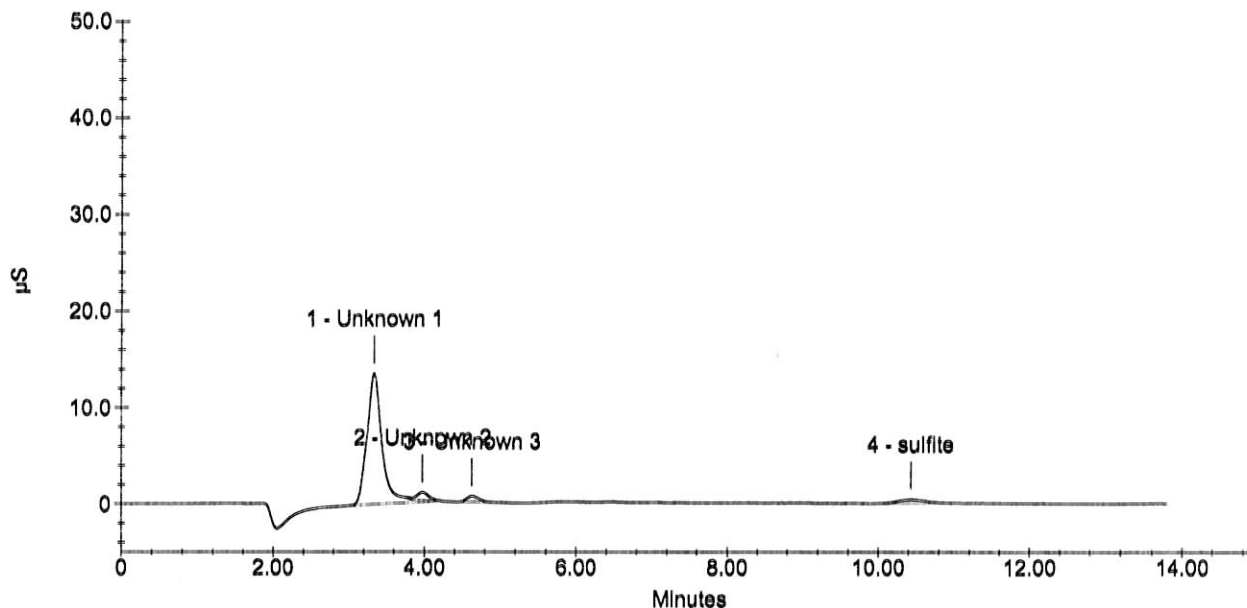
Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.33	Unknown 1	0.0000	1883216	135202	
2	3.97	Unknown 2	0.0000	91665	8483	
3	4.63	Unknown 3	0.0000	64453	5930	
4	10.43	sulfite	N.D. 1.2510	78219	3511	

Not Retention
time for 803

J.D 10/19/09

AY05403W01 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 CPSC

Sample ID: 101882

Sample Collection Date: No Date Specified

APPL ID: AY05404

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/12/09	10/12/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/12/09	10/12/09

Sample Analysis Report

Sample Name : AY05404w01 1/5

Data File Name : I:\Dionex\D1Anions\data\091012A\091012A_029.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/12/09 15:56:26

System Operator : PD

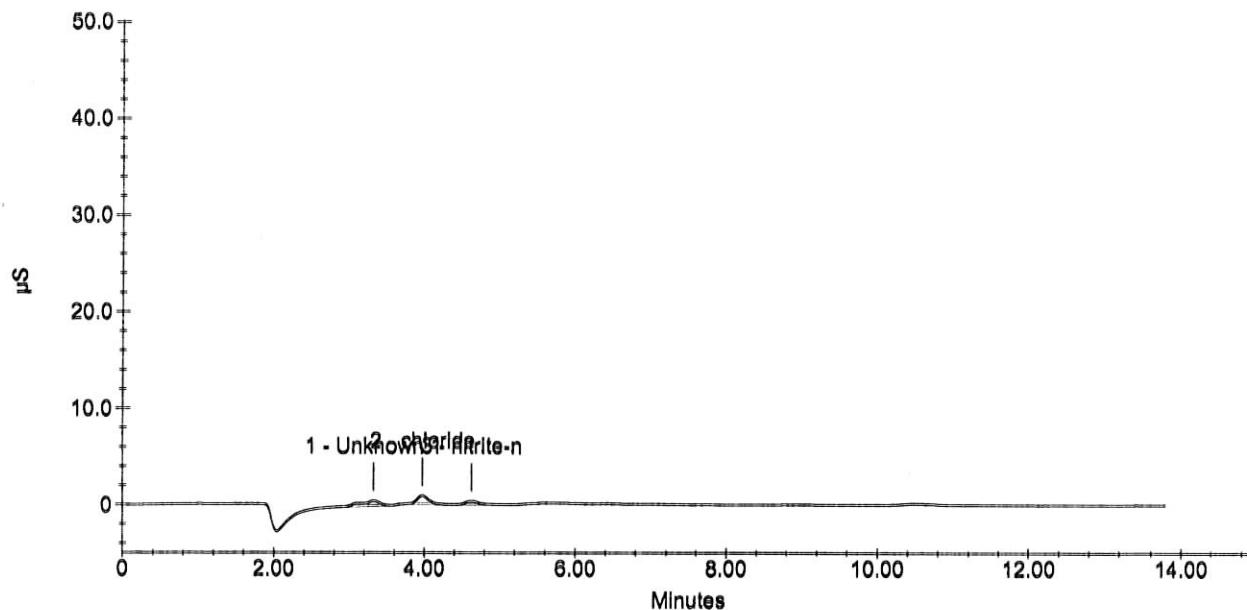
Injection Number : 29

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	3.32	Unknown 1	0.0000	81509	4846	
2	3.97	chloride	5.4090	78387	8086	
3	4.63	nitrite-n	0.3883	30417	3004	

AY05404w01 1/5



Sample Analysis Report

Sample Name : AY05404w01 1/5

Data File Name : I:\Dionex\D1Anions\data\091012A\091012A_029.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/12/09 15:56:26

System Operator : PD

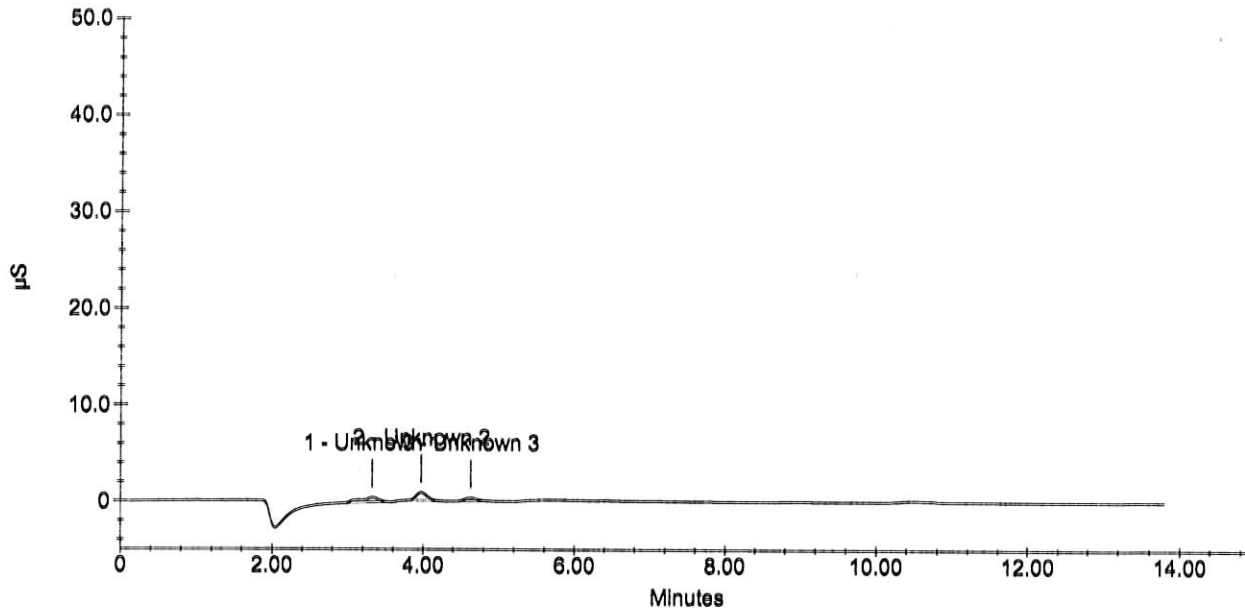
Injection Number : 29

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	3.32	Unknown 1	0.0000	81509	4846	
2	3.97	Unknown 2	0.0000	78387	8086	
3	4.63	Unknown 3	0.0000	30417	3004	

AY05404w01 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 CPSC

Sample ID: 101883

Sample Collection Date: No Date Specified

APPL ID: AY05405

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/12/09	10/12/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/12/09	10/12/09

Sample Analysis Report

Sample Name : AY05405w01 1/5

Data File Name : i:\dionex\dlanions\data\091012a\091012A_030.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/12/09 16:12:52

System Operator : PD

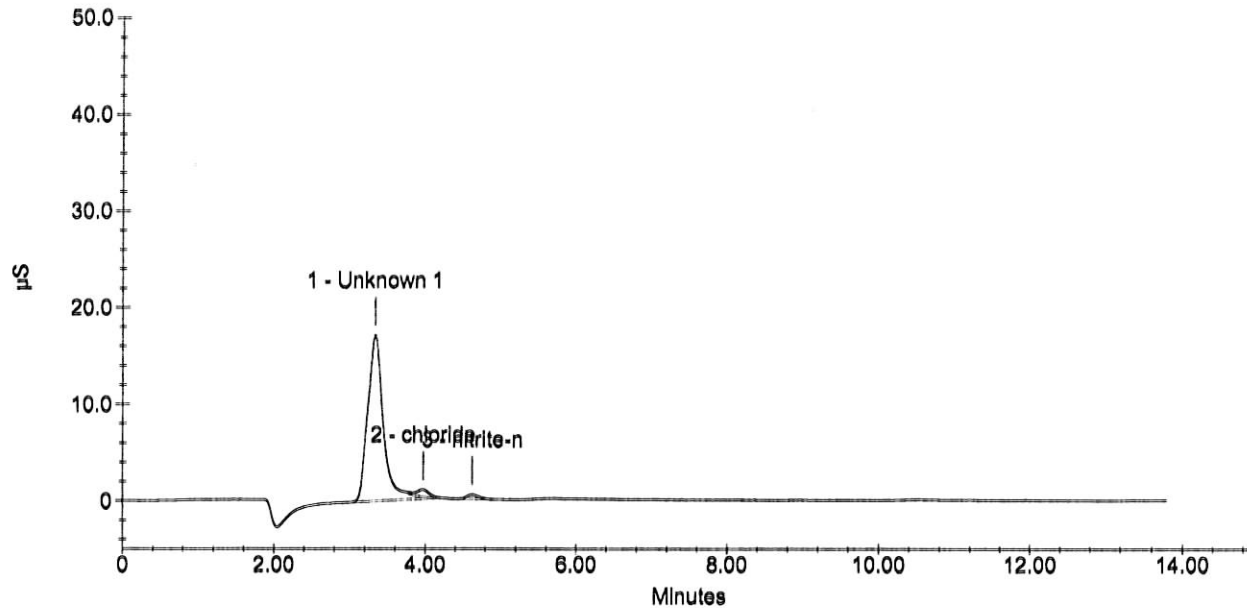
Injection Number : 30

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	3.33	Unknown 1	0.0000	2431989	170793	
2	3.97	chloride	5.4188	79955	7381	
3	4.63	nitrite-n	0.4309	42639	4205	

AY05405w01 1/5



Sample Analysis Report

Sample Name : AY05405w01 1/5

Data File Name : i:\dionex\d1anions\data\091012a\091012A_030.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/12/09 16:12:52

System Operator : PD

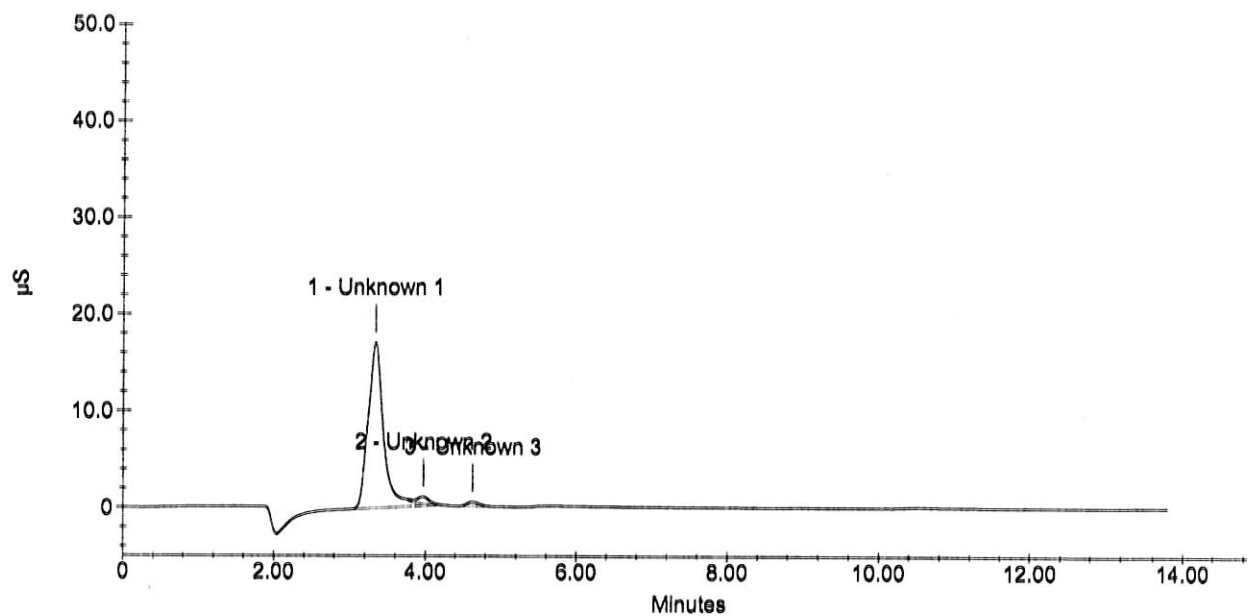
Injection Number : 30

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	3.33	Unknown 1	0.0000	2431989	170793	
2	3.97	Unknown 2	0.0000	79955	7381	
3	4.63	Unknown 3	0.0000	42639	4205	

AY05405w01 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 CPSC

Sample ID: 101884

Sample Collection Date: No Date Specified

APPL ID: AY05406

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/13/09	10/13/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/13/09	10/13/09

Sample Analysis Report

Sample Name : AY05406W01 1/5

Data File Name : i:\dionex\dlanions\data\091013a\091013a_009.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/13/09 10:36:27

System Operator : PD

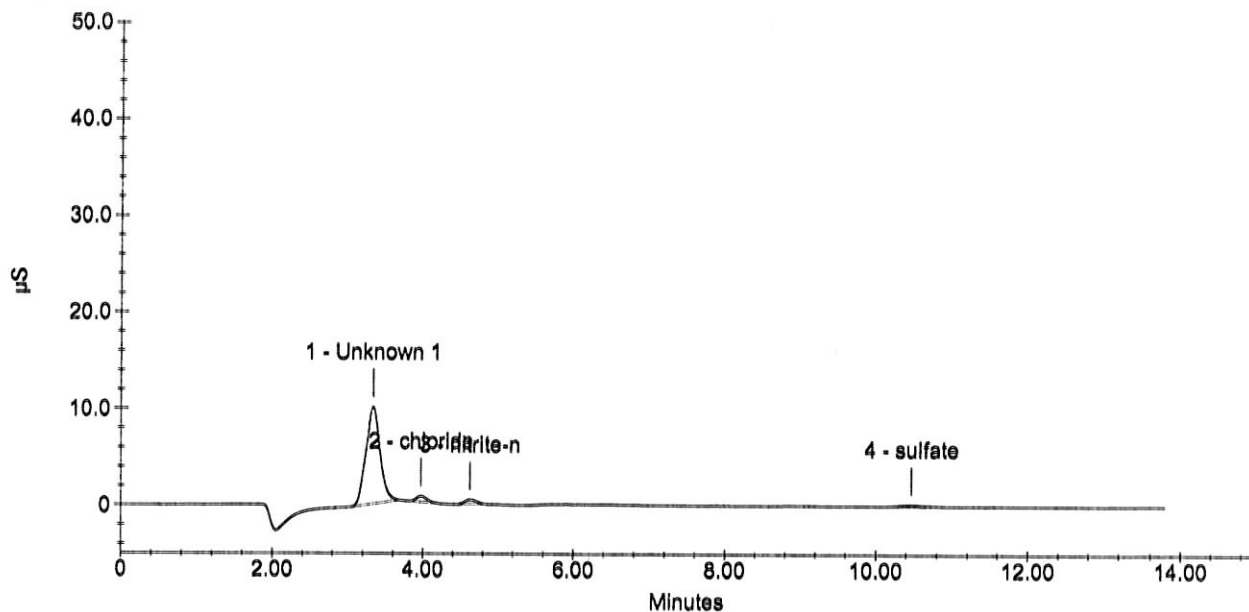
Injection Number : 9

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	3.33	Unknown 1	0.0000	1290738	99985	
2	3.97	chloride	5.2618	54620	5778	
3	4.63	nitrite-n	0.4473	47335	4512	
4	10.47	sulfate	2.9184	27896	1331	

AY05406W01 1/5



Sample Analysis Report

Sample Name : AY05406W01 1/5

Data File Name : i:\dionex\dlanions\data\091013a\091013a_009.DXD

Method File Name : I:\DIONEX\DIANIONS\METHODS\EPA sulfite 08-25-09Low.met

Date Time Collected : 10/13/09 10:36:27

System Operator : PD

Injection Number : 9

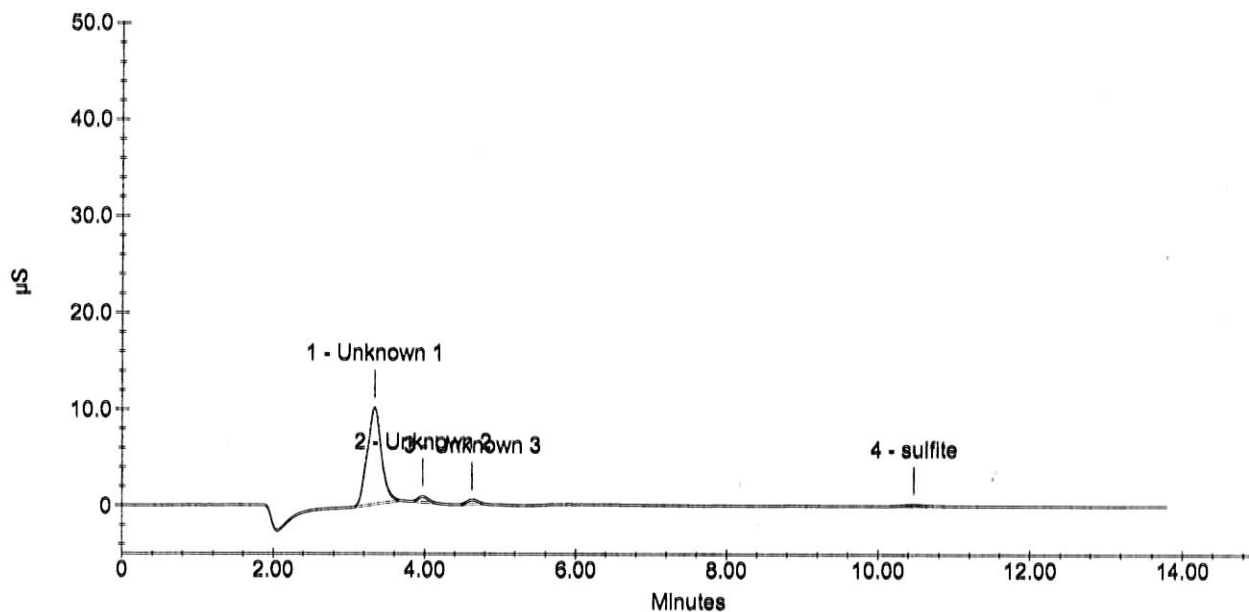
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.33	Unknown 1	0.0000	1290738	99985	
2	3.97	Unknown 2	0.0000	54620	5778	
3	4.63	Unknown 3	0.0000	47335	4512	
4	10.47	sulfite	N.D. 0.2136	27896	1331	-

Not correct Retention time for SO₃ PD 10/19/09

AY05406W01 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 CPSC

Sample ID: 101885

Sample Collection Date: No Date Specified

APPL ID: AY05407

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/13/09	10/13/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/13/09	10/13/09

Sample Analysis Report

Sample Name : AY05407W01 1/5

Data File Name : i:\dionex\d1anions\data\091013a\091013a_011.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/13/09 11:09:20

System Operator : PD

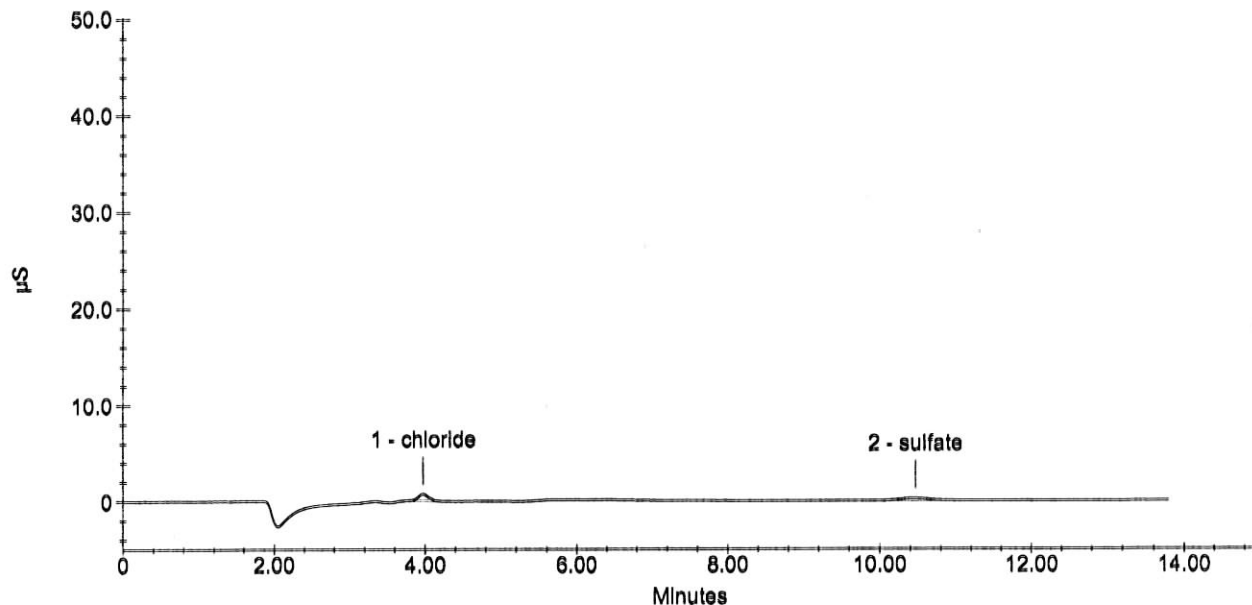
Injection Number : 11

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	3.97	chloride	5.3134	62945	6625	
2	10.47	sulfate	3.1098	47685	2079	

AY05407W01 1/5



Sample Analysis Report

Sample Name : AY05407W01 1/5

Data File Name : i:\dionex\d1anions\data\091013a\091013a_011.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/13/09 11:09:20

System Operator : PD

Injection Number : 11

Multiplier : 5.00

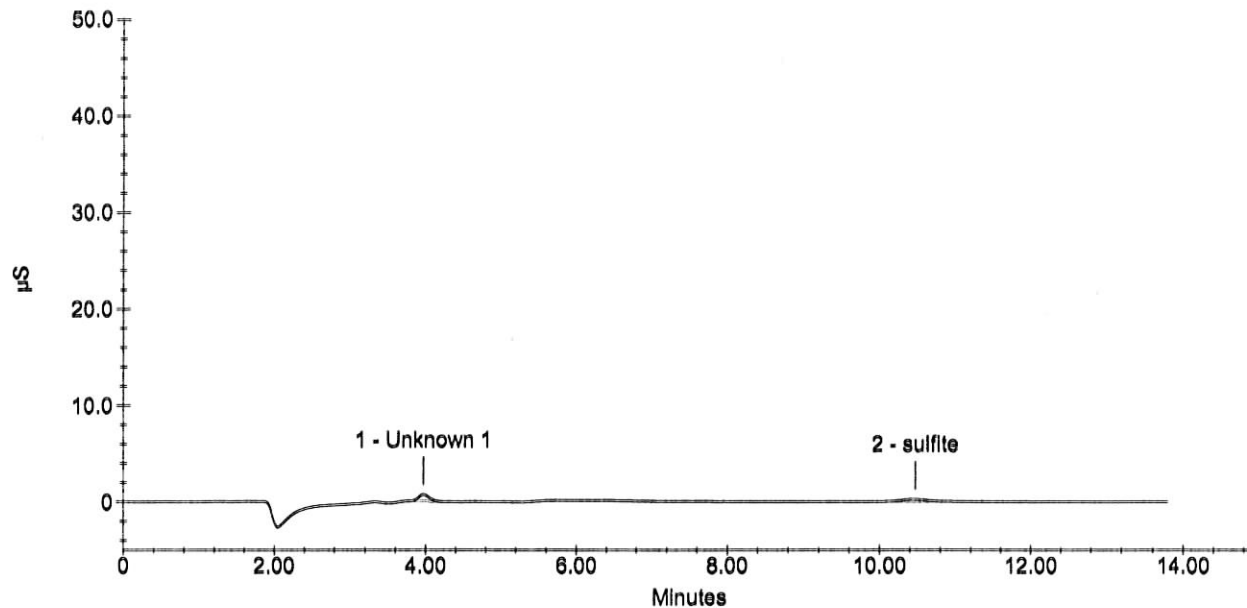
Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.97	Unknown 1	0.0000	62945	6625	
2	10.47	sulfite	N.D 0.6215	47685	2079	-

Wrong Retention
time for SO₃

PD 10/19/09

AY05407W01 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 CPSC

Sample ID: 101881

Sample Collection Date: No Date Specified

APPL ID: AY05408

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/13/09	10/13/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/13/09	10/13/09

Sample Analysis Report

Sample Name : AY05408W01 1/5

Data File Name : i:\dionex\dlanions\data\091013a\091013a_012.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/13/09 11:25:45

System Operator : PD

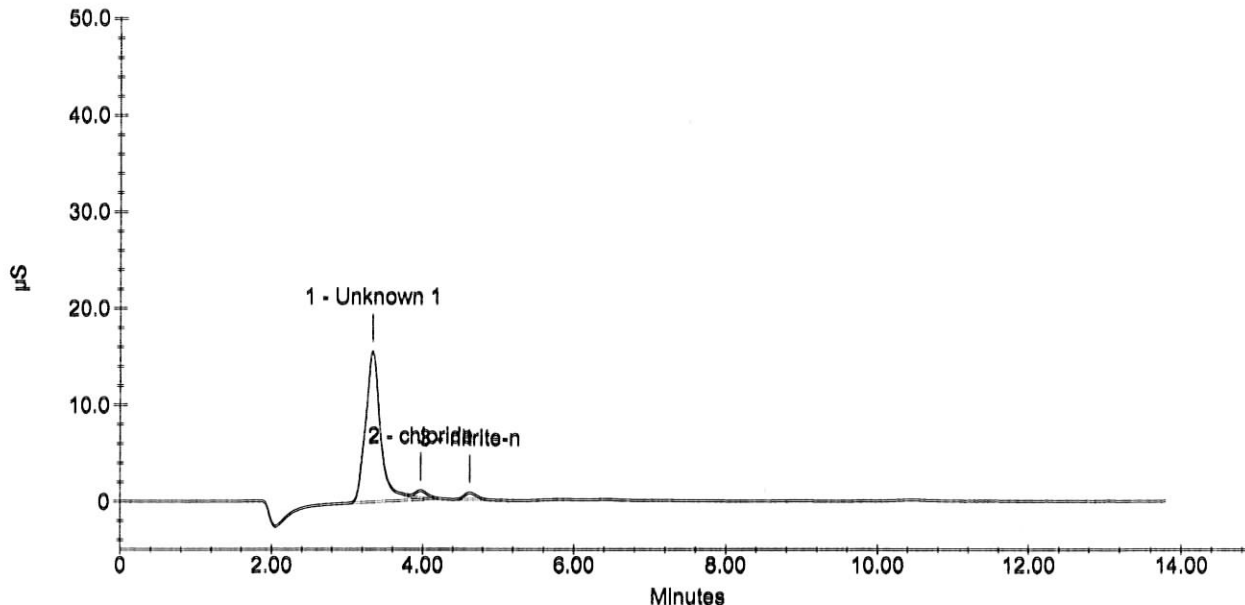
Injection Number : 12

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	3.33	Unknown 1	0.0000	2157545	155303	
2	3.97	chloride	5.4631	87113	7637	
3	4.63	nitrite-n	0.5321	71667	6665	

AY05408W01 1/5



Sample Analysis Report

Sample Name : AY05408W01 1/5

Data File Name : i:\dionex\d1anions\data\091013a\091013a_012.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/13/09 11:25:45

System Operator : PD

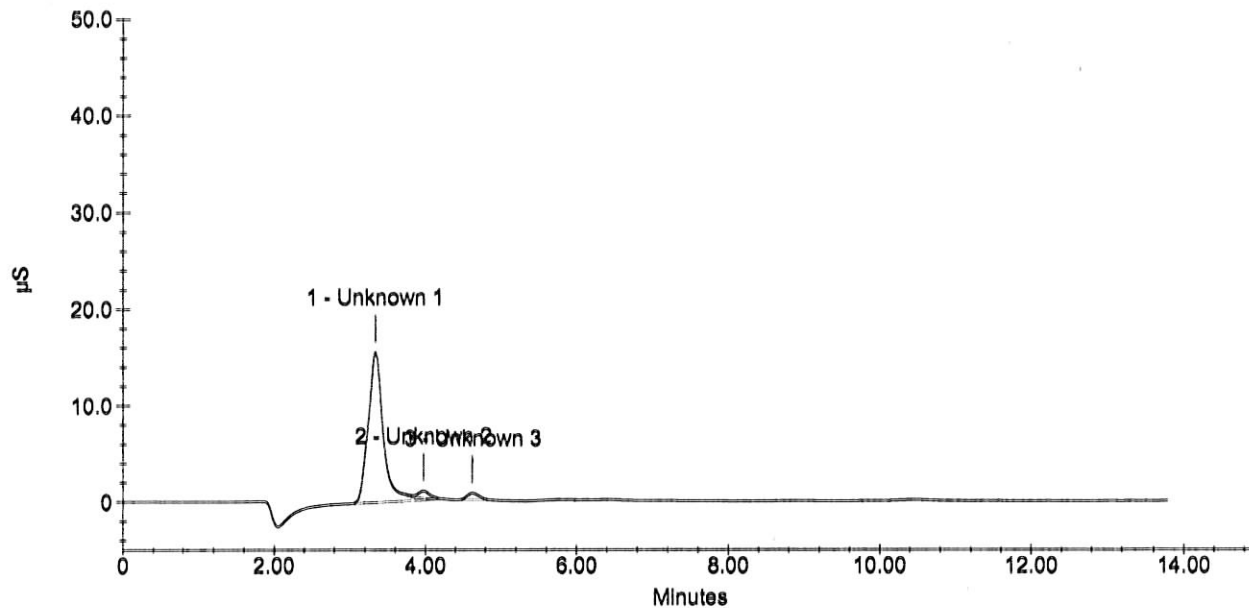
Injection Number : 12

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	3.33	Unknown 1	0.0000	2157545	155303	
2	3.97	Unknown 2	0.0000	87113	7637	
3	4.63	Unknown 3	0.0000	71667	6665	

AY05408W01 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 CPSC

Sample ID: 101789

Sample Collection Date: No Date Specified

APPL ID: AY05409

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/13/09	10/13/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/13/09	10/13/09

Sample Analysis Report

Sample Name : AY05409W01 1/5

Data File Name : i:\dionex\dlanions\data\091013a\091013a_013.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/13/09 11:42:11

System Operator : PD

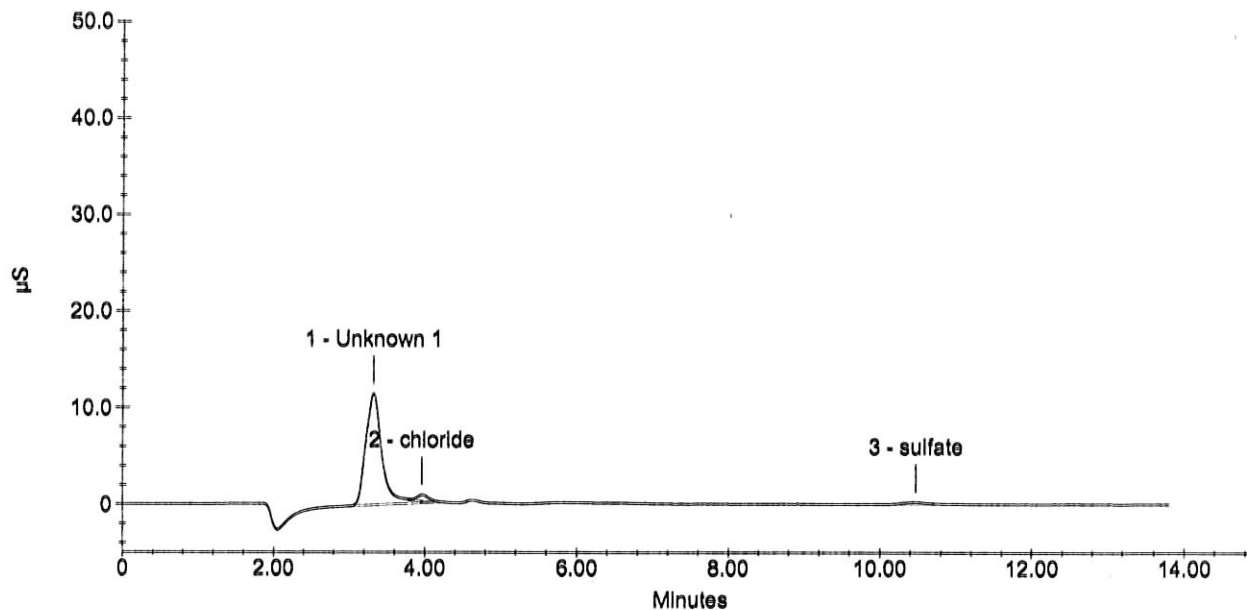
Injection Number : 13

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	3.32	Unknown 1	0.0000	1692109	114590	
2	3.96	chloride	5.3985	76691	6757	
3	10.47	sulfate	2.9557	31760	1670	

AY05409W01 1/5



Sample Analysis Report

Sample Name : AY05409W01 1/5

Data File Name : i:\dionex\d1anions\data\091013a\091013a_013.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA sulfite 08-25-09Low.met

Date Time Collected : 10/13/09 11:42:11

System Operator : PD

Injection Number : 13

Multiplier : 5.00

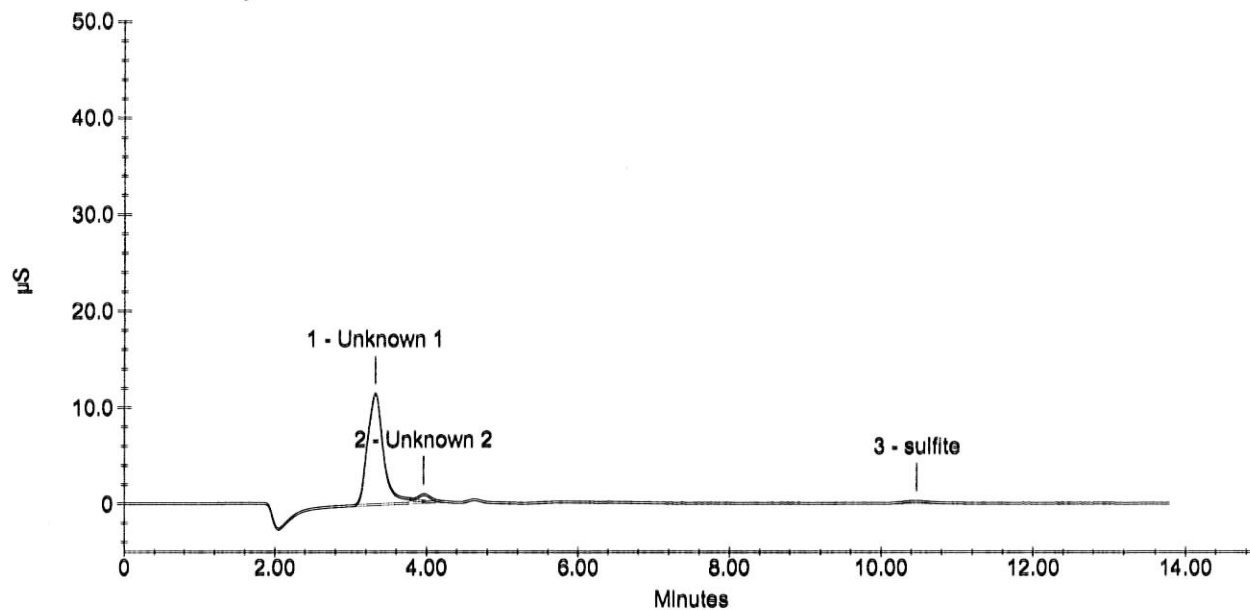
Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.32	Unknown 1	0.0000	1692109	114590	
2	3.96	Unknown 2	0.0000	76691	6757	
3	10.47	sulfite	N.D. 0.2932	31760	1670	-

Wrong retention time
for 003

P.D 10/19/09

AY05409W01 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 CPSC

Sample ID: 101790

Sample Collection Date: No Date Specified

APPL ID: AY05410

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/13/09	10/13/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/13/09	10/13/09

Sample Analysis Report

Sample Name : AY05410W01 1/5

Data File Name : i:\dionex\dlanions\data\091013a\091013a_014.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/13/09 11:58:36

System Operator : PD

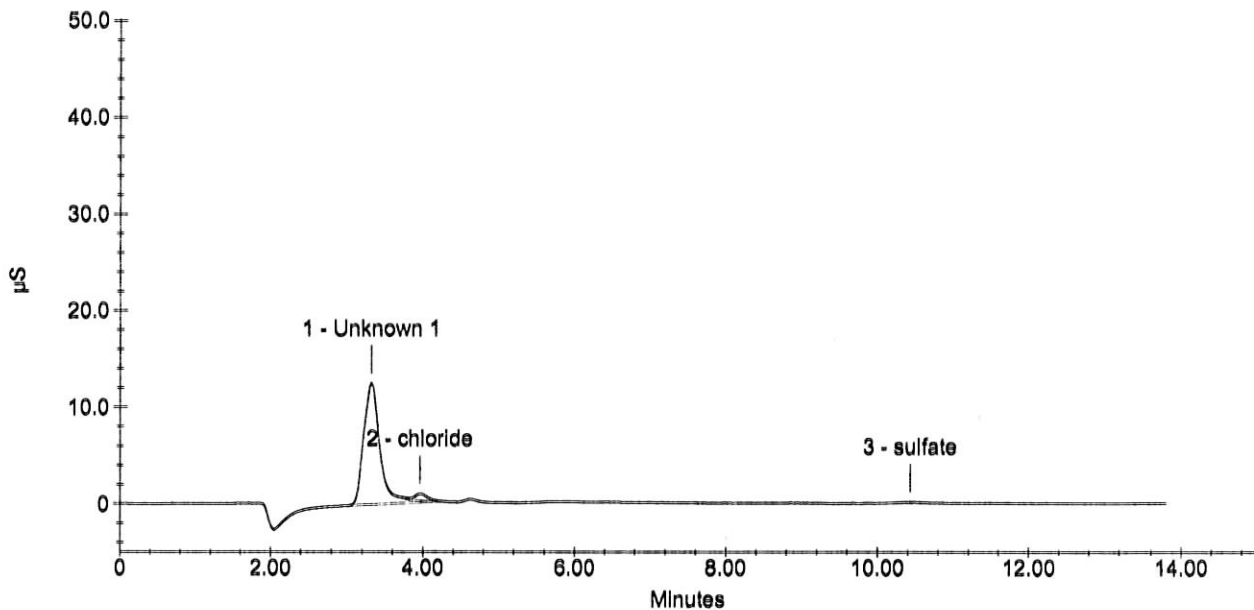
Injection Number : 14

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	3.32	Unknown 1	0.0000	1849674	124924	
2	3.96	chloride	5.4534	85542	7243	
3	10.43	sulfate	2.7936	15004	827	

AY05410W01 1/5



Sample Analysis Report

Sample Name : AY05410W01 1/5

Data File Name : i:\dionex\d1anions\data\091013a\091013a_014.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsulfite 08-25-09Low.met

Date Time Collected : 10/13/09 11:58:36

System Operator : PD

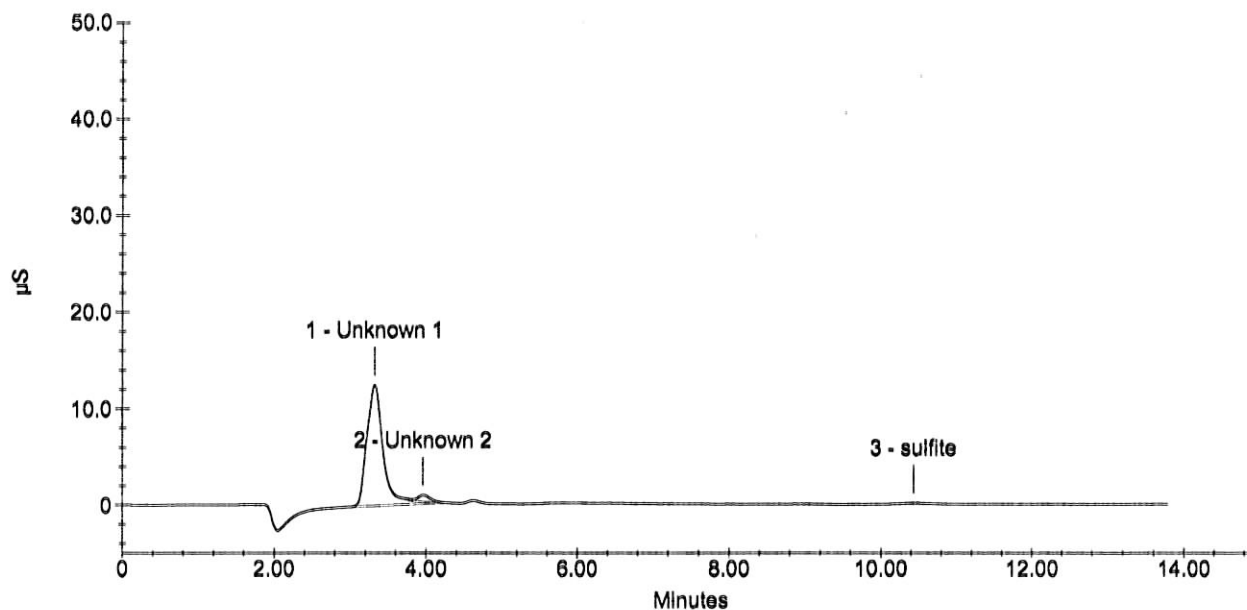
Injection Number : 14

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	3.32	Unknown 1	0.0000	1849674	124924	
2	3.96	Unknown 2	0.0000	85542	7243	
3	10.43	sulfite	-0.0522	15004	827	-

AY05410W01 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 CPSC

Sample ID: 101791

Sample Collection Date: No Date Specified

APPL ID: AY05411

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/13/09	10/13/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/13/09	10/13/09

Sample Analysis Report

Sample Name : AY05411W01 1/5

Data File Name : i:\dionex\dlanions\data\091013a\091013a_015.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/13/09 12:15:02

System Operator : PD

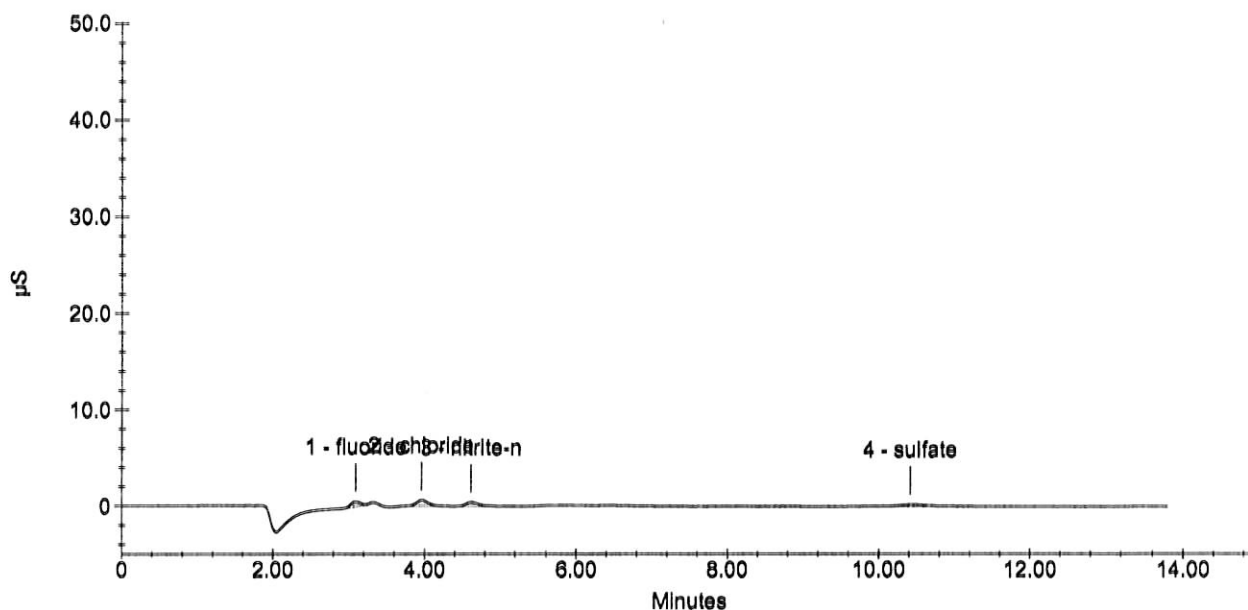
Injection Number : 15

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	3.09	fluoride	0.5289	35836	4564	
2	3.96	chloride	5.2446	51848	5374	
3	4.61	nitrite-n	0.4090	36376	3457	
4	10.41	sulfate	2.9252	28609	1463	

AY05411W01 1/5



Sample Analysis Report

Sample Name : AY05411W01 1/5

Data File Name : i:\dionex\dlanions\data\091013a\091013a_015.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/13/09 12:15:02

System Operator : PD

Injection Number : 15

Multiplier : 5.00

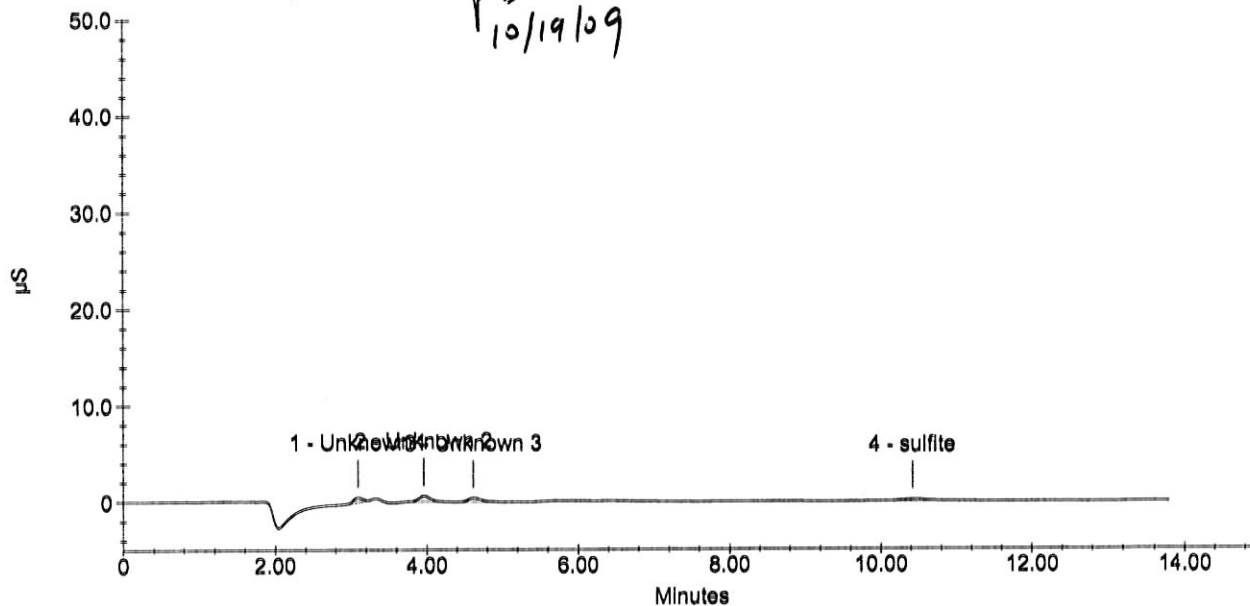
Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.09	Unknown 1	0.0000	35836	4564	
2	3.96	Unknown 2	0.0000	51848	5374	
3	4.61	Unknown 3	0.0000	36376	3457	
4	10.41	sulfite	N.D. 0.2283	28609	1463	-

Wrong retention
time for 4

AY05411W01 1/5

P.D.
10/19/09



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 CPSC

Sample ID: 101792

Sample Collection Date: No Date Specified

APPL ID: AY05412

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/13/09	10/13/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/13/09	10/13/09

Sample Analysis Report

Sample Name : AY05412W01 1/5

Data File Name : i:\dionex\dlanions\data\091013a\091013a_016.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/13/09 12:31:42

System Operator : PD

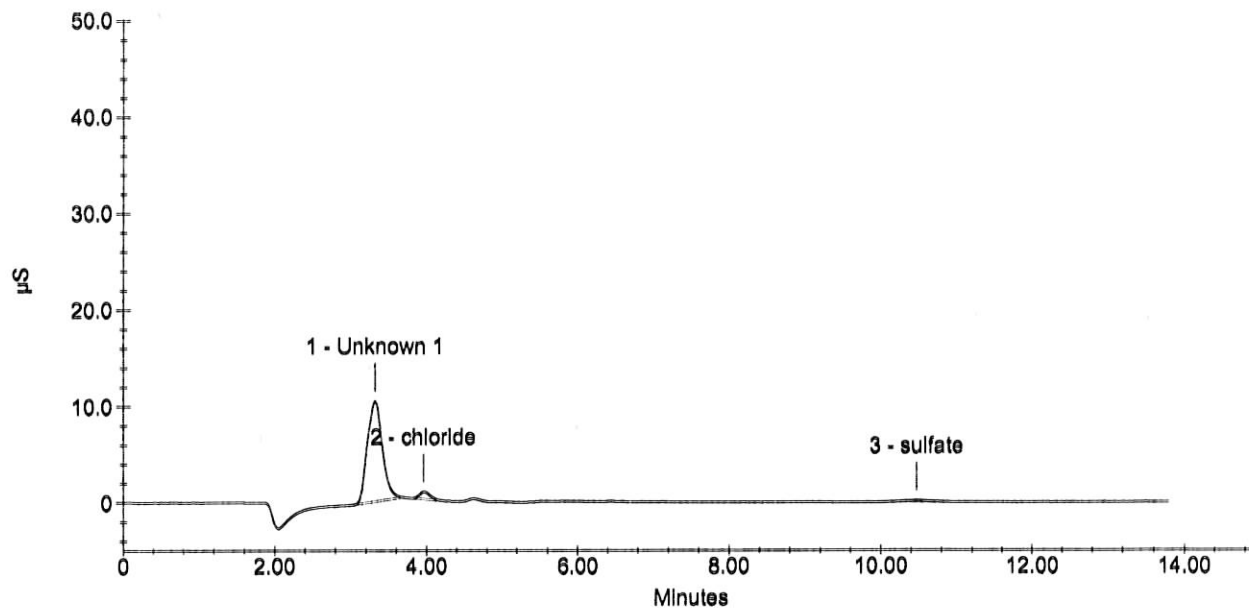
Injection Number : 16

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	3.32	Unknown 1	0.0000	1414306	103896	
2	3.96	chloride	5.3548	69637	7210	
3	10.47	sulfate	2.8756	23479	1115	

AY05412W01 1/5



Sample Analysis Report

Sample Name : AY05412W01 1/5

Data File Name : i:\dionex\d1anions\data\091013a\091013a_016.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA sulfite 08-25-09Low.met

Date Time Collected : 10/13/09 12:31:42

System Operator : PD

Injection Number : 16

Multiplier : 5.00

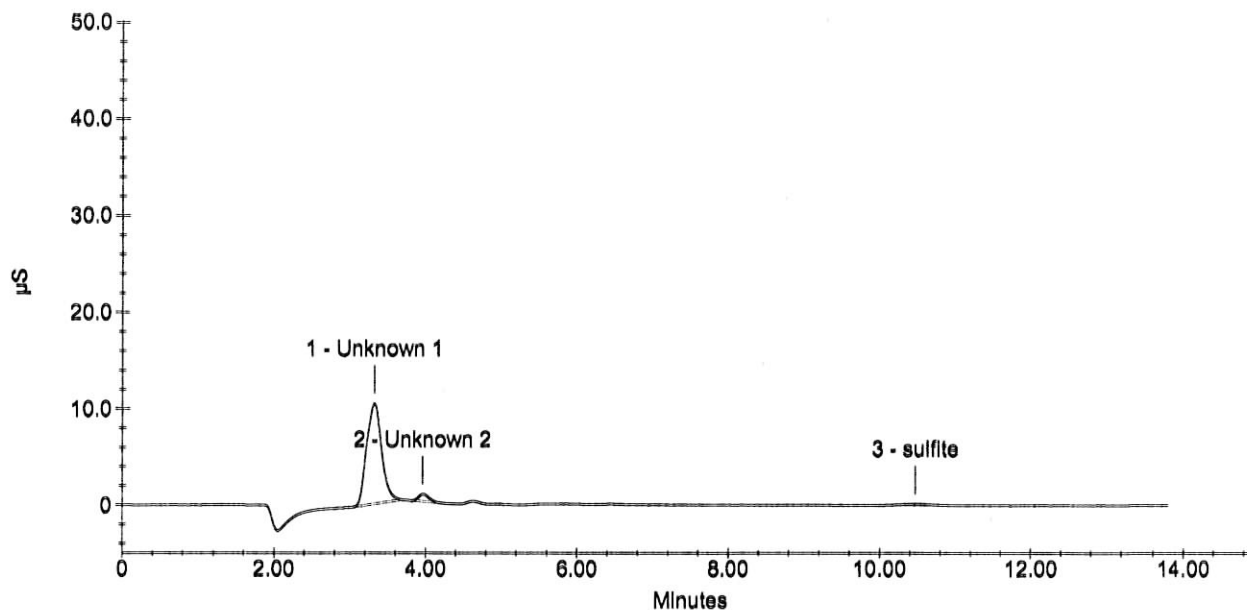
Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.32	Unknown 1	0.0000	1414306	103896	
2	3.96	Unknown 2	0.0000	69637	7210	
3	10.47	sulfite	N.D. 0.1225	23479	1115	-

Wrong Retention
time for SO₃

PD 10/19/09

AY05412W01 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 CPSC

Sample ID: 101793

Sample Collection Date: No Date Specified

APPL ID: AY05413

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/13/09	10/13/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/13/09	10/13/09

Sample Analysis Report

Sample Name : AY05413W01 1/5

Data File Name : i:\dionex\d1anions\data\091013a\091013a_017.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/13/09 12:48:09

System Operator : PD

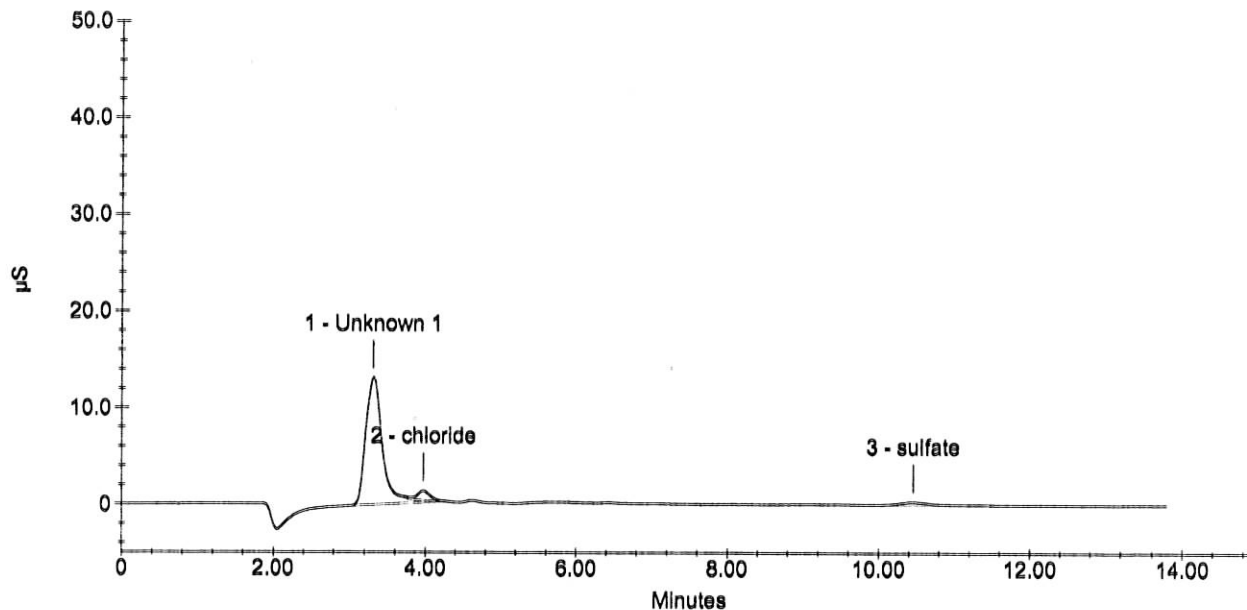
Injection Number : 17

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	3.31	Unknown 1	0.0000	1985236	130548	
2	3.97	chloride	5.6217	112704	10208	
3	10.45	sulfate	3.1537	52220	2373	

AY05413W01 1/5



Sample Analysis Report

Sample Name : AY05413W01 1/5

Data File Name : i:\dionex\dlanions\data\091013a\091013a_017.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPA sulfite 08-25-09Low.met

Date Time Collected : 10/13/09 12:48:09

System Operator : PD

Injection Number : 17

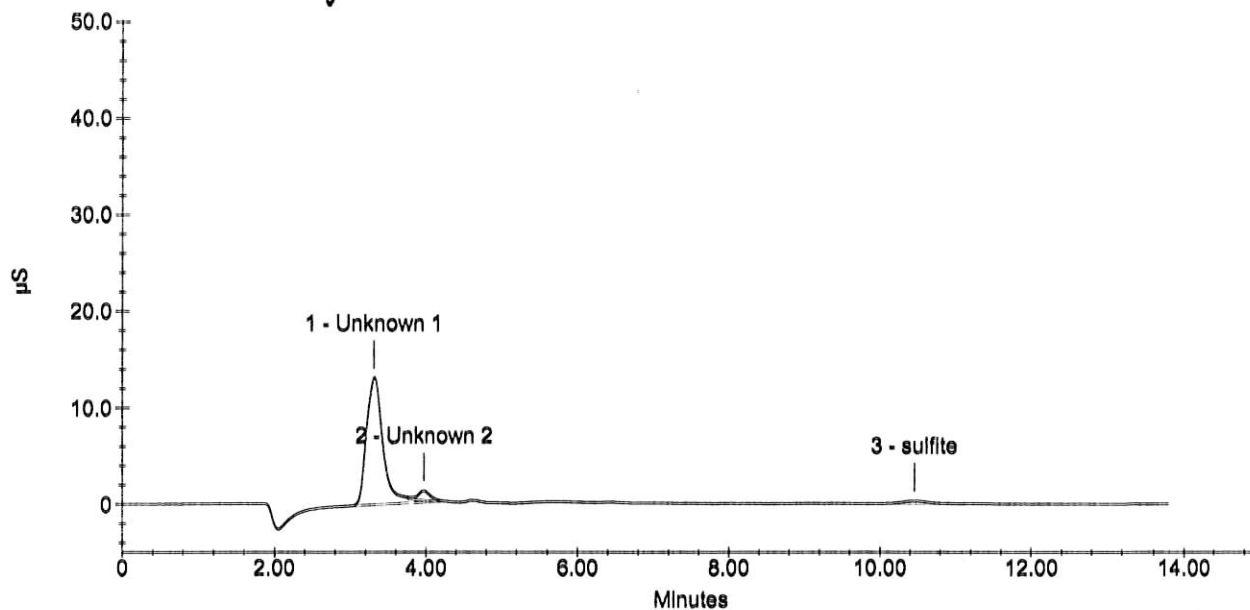
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.31	Unknown 1	0.0000	1985236	130548	
2	3.97	Unknown 2	0.0000	112704	10208	
3	10.45	sulfite	N.D. 0.7150	52220	2373	-

Wrong retention time
for SO₃

P.D. 10/19/09
AY05413W01 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 CPSC

Sample ID: 101794

Sample Collection Date: No Date Specified

APPL ID: AY05414

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/13/09	10/13/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/13/09	10/13/09

Sample Analysis Report

Sample Name : AY05414W01 1/5

Data File Name : i:\dionex\dlanions\data\091013a\091013a_022.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/13/09 14:15:39

System Operator : PD

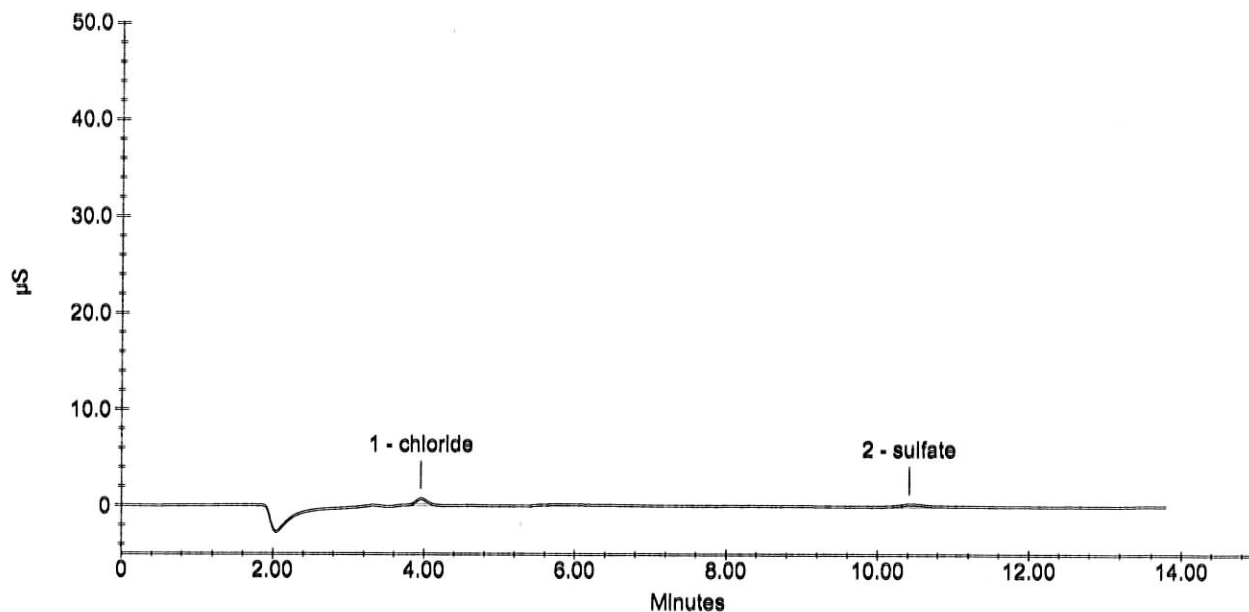
Injection Number : 22

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	3.96	chloride	5.2922	59534	6320	
2	10.41	sulfate	3.1030	46988	2048	

AY05414W01 1/5



Sample Analysis Report

Sample Name : AY05414W01 1/5

Data File Name : i:\dionex\dlanions\data\091013a\091013a_022.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPAsulfite 08-25-09Low.met

Date Time Collected : 10/13/09 14:15:39

System Operator : PD

Injection Number : 22

Multiplier : 5.00

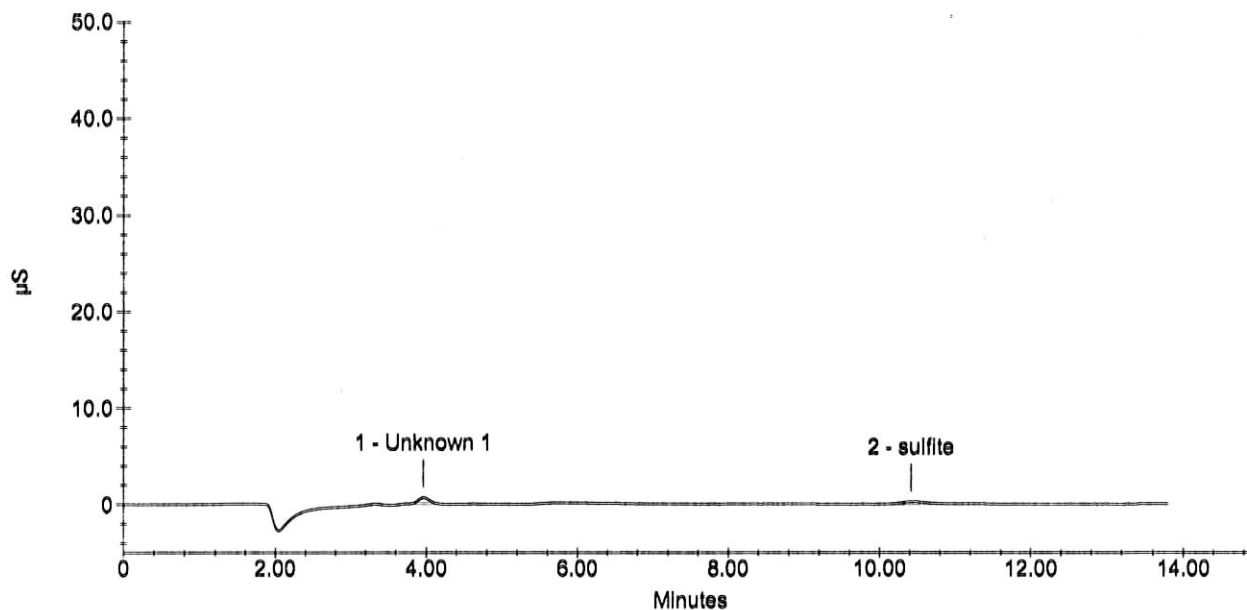
Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.96	Unknown 1	0.0000	59534	6320	
2	10.41	sulfite	0.6072 N.D	46988	2048	-

Wrong Retention Time
for SO₃

P.D 10/19/09

AY05414W01 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 CPSC

Sample ID: 101818

Sample Collection Date: No Date Specified

APPL ID: AY05415

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/13/09	10/13/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/13/09	10/13/09

Sample Analysis Report

Sample Name : AY05415w01 1/5

Data File Name : i:\dionex\d1anions\data\091013a\091013a_023.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/13/09 14:32:05

System Operator : PD

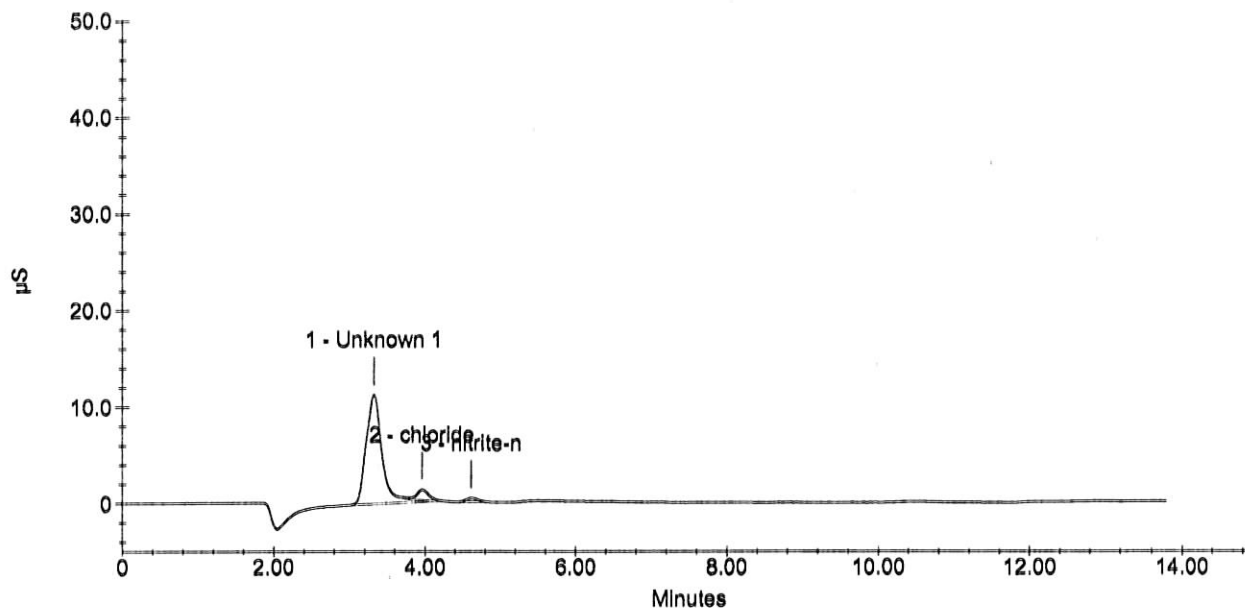
Injection Number : 23

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	3.32	Unknown 1	0.0000	1631709	112708	
2	3.96	chloride	5.6681	120199	11051	
3	4.61	nitrite-n	0.4168	38591	3767	

AY05415w01 1/5



Sample Analysis Report

Sample Name : AY05415w01 1/5

Data File Name : i:\dionex\d1anions\data\091013a\091013a_023.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA\ufite 08-25-09Low.met

Date Time Collected : 10/13/09 14:32:05

System Operator : PD

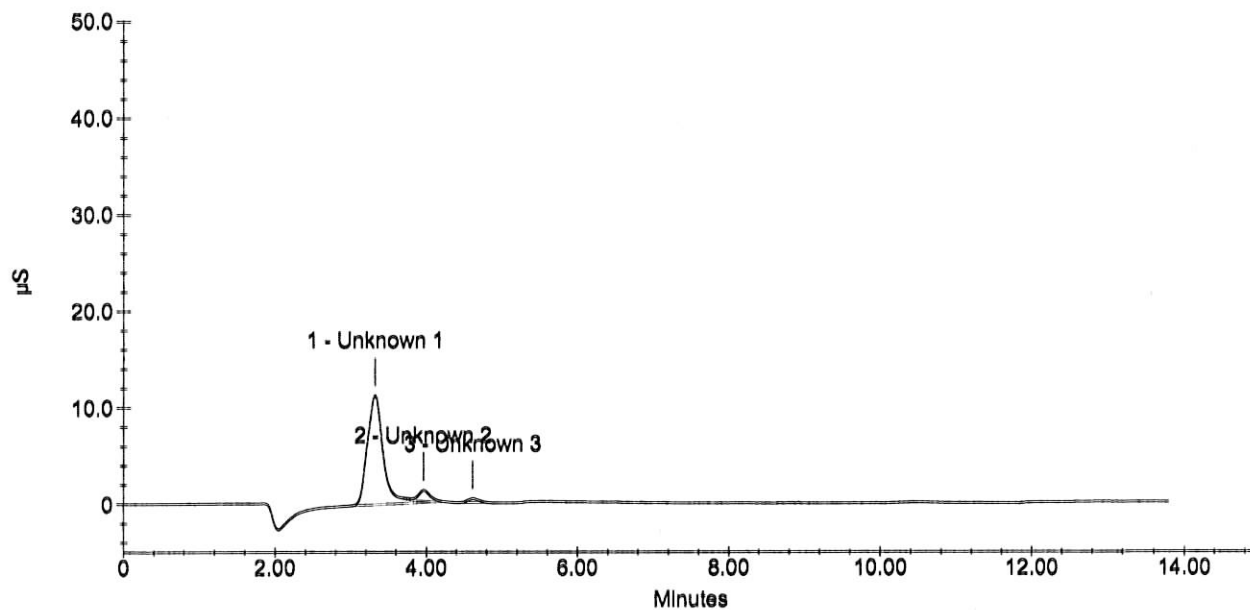
Injection Number : 23

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	3.32	Unknown 1	0.0000	1631709	112708	
2	3.96	Unknown 2	0.0000	120199	11051	
3	4.61	Unknown 3	0.0000	38591	3767	

AY05415w01 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 CPSC

Sample ID: 101819

Sample Collection Date: No Date Specified

APPL ID: AY05416

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/13/09	10/13/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/13/09	10/13/09

Sample Analysis Report

Sample Name : AY05416W01 1/5

Data File Name : i:\dionex\dlanions\data\091013a\091013a_024.DXD

Method File Name : I:\DIONEX\DIANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/13/09 14:56:37

System Operator : PD

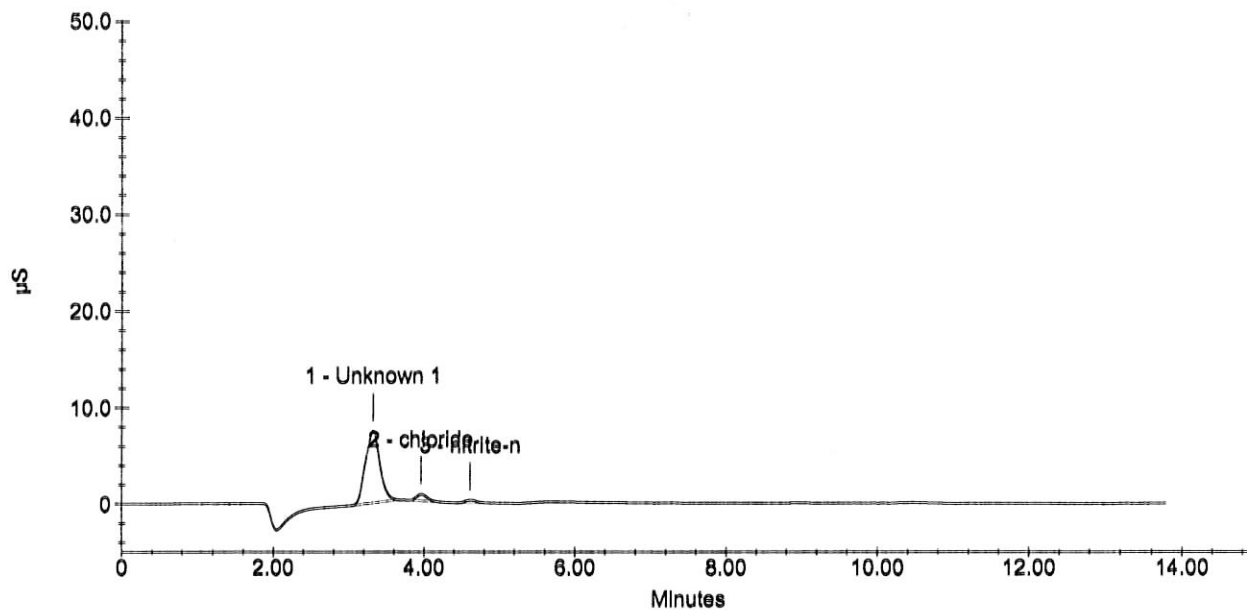
Injection Number : 24

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	3.32	Unknown 1	0.0000	985221	74684	
2	3.96	chloride	5.3095	62322	6634	
3	4.61	nitrite-n	0.3753	26698	2615	

AY05416W01 1/5



Sample Analysis Report

Sample Name : AY05416W01 1/5

Data File Name : i:\dionex\dlanions\data\091013a\091013a_024.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/13/09 14:56:37

System Operator : PD

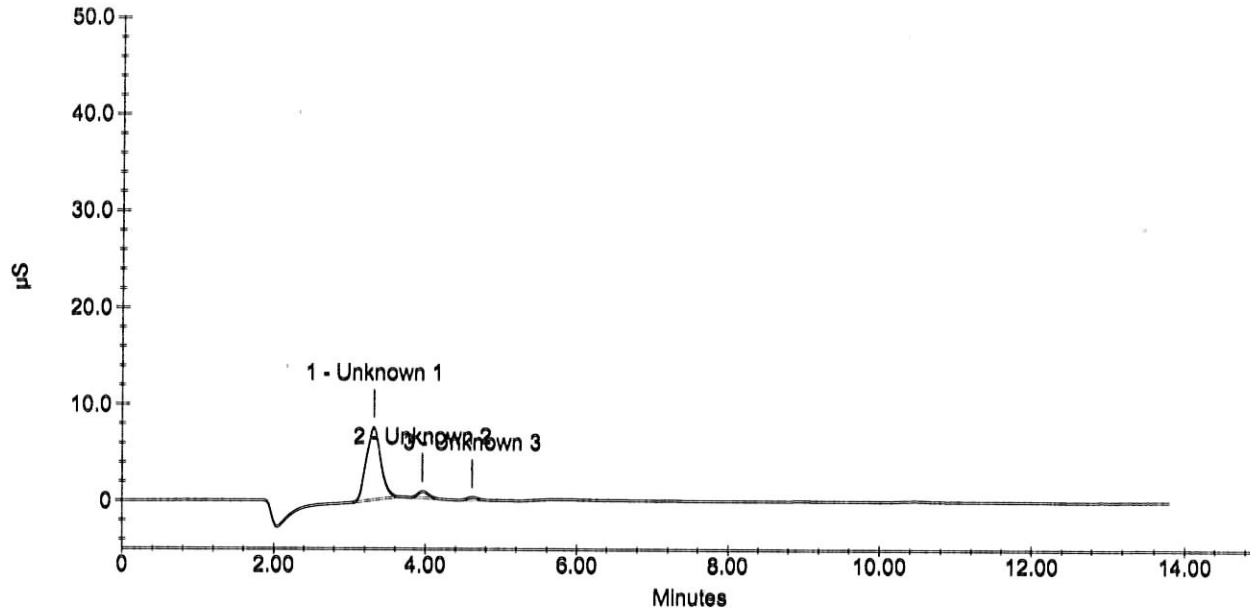
Injection Number : 24

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	3.32	Unknown 1	0.0000	985221	74684	
2	3.96	Unknown 2	0.0000	62322	6634	
3	4.61	Unknown 3	0.0000	26698	2615	

AY05416W01 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 CPSC

Sample ID: 101820

Sample Collection Date: No Date Specified

APPL ID: AY05417

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/13/09	10/13/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/13/09	10/13/09

Sample Analysis Report

Sample Name : AY05417W01 1/5

Data File Name : I:\Dionex\D1Anions\data\091013a\091013a_025.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/13/09 15:13:02

System Operator : PD

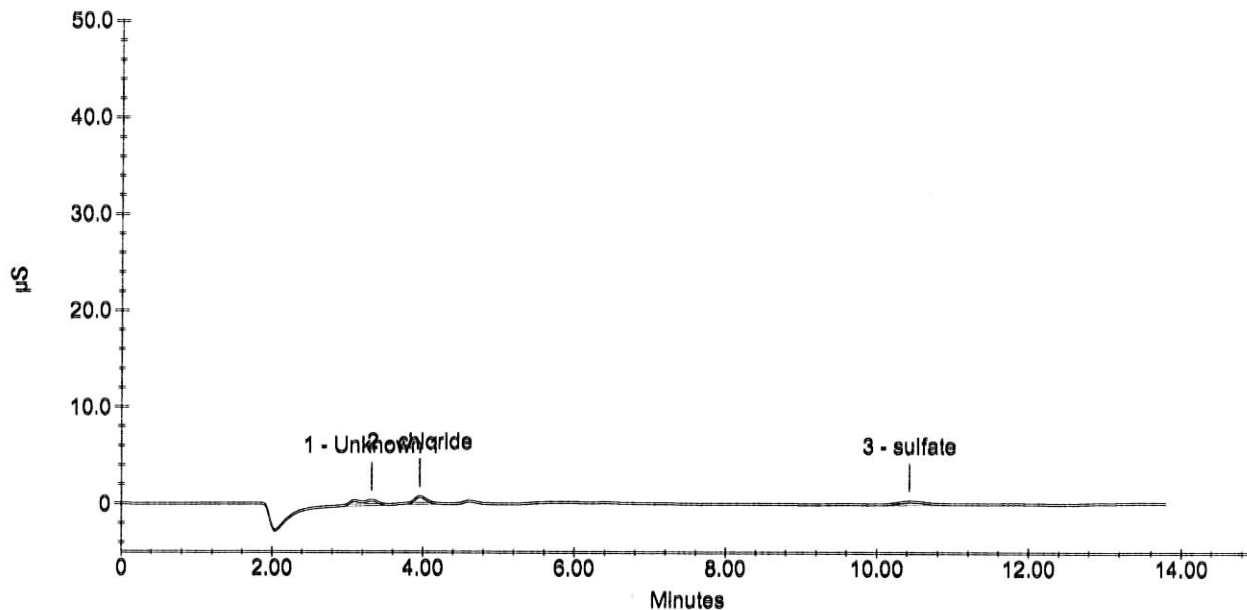
Injection Number : 25

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	3.32	Unknown 1	0.0000	97291	4695	
2	3.96	chloride	5.3341	66287	6836	
3	10.43	sulfate	3.2354	60675	2604	

AY05417W01 1/5



Sample Analysis Report

Sample Name : AY05417W01 1/5

Data File Name : I:\Dionex\DIAnions\data\091013a\091013a_025.DXD

Method File Name : I:\DIONEX\DIANIONS\METHODS\EPA sulfite 08-25-09Low.met

Date Time Collected : 10/13/09 15:13:02

System Operator : PD

Injection Number : 25

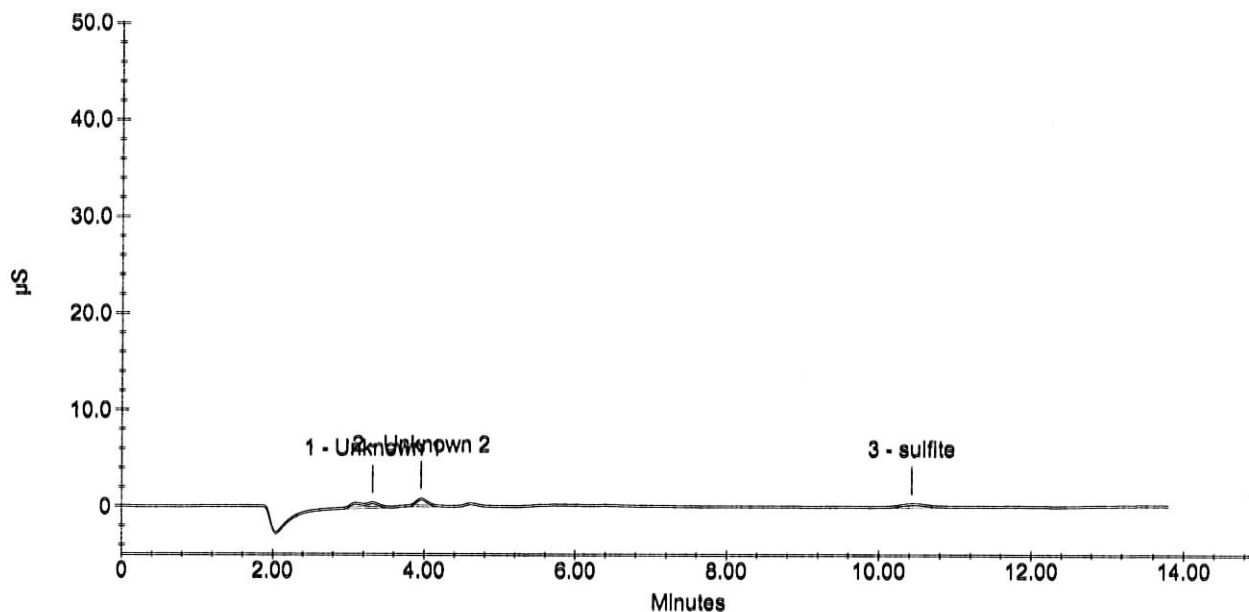
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.32	Unknown 1	0.0000	97291	4695	
2	3.96	Unknown 2	0.0000	66287	6836	
3	10.43	sulfite	N.D. 0.8893	60675	2604	-

Wrong retention time
for SO₃

P.D. 10/19/09
AY05417W01 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 CPSC

Sample ID: 101821

Sample Collection Date: No Date Specified

APPL ID: AY05418

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/13/09	10/13/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/13/09	10/13/09

Sample Analysis Report

Sample Name : AY05418W01 1/5

Data File Name : i:\dionex\dlanions\data\091013a\091013a_026.DXD

Method File Name : I:\DIONEX\DIANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/13/09 15:29:29

System Operator : PD

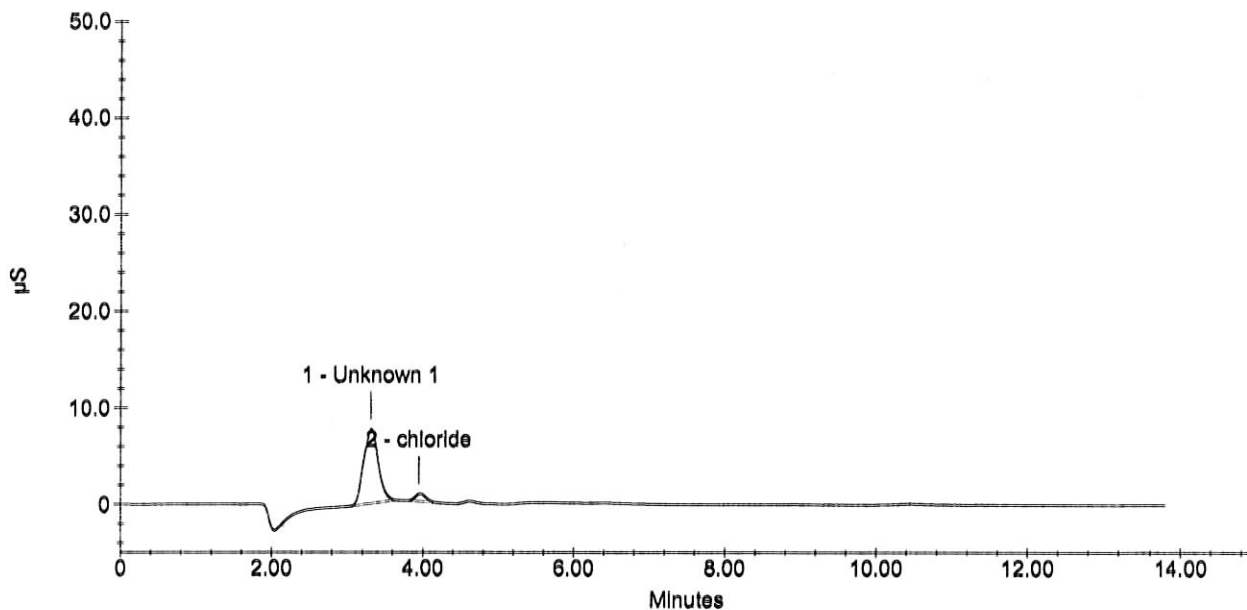
Injection Number : 26

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	3.31	Unknown 1	0.0000	1026153	76313	
2	3.95	chloride	5.3881	75005	7431	

AY05418W01 1/5



Sample Analysis Report

Sample Name : AY05418W01 1/5

Data File Name : i:\dionex\dlanions\data\091013a\091013a_026.DXD

Method File Name : I:\DIONEX\DIANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/13/09 15:29:29

System Operator : PD

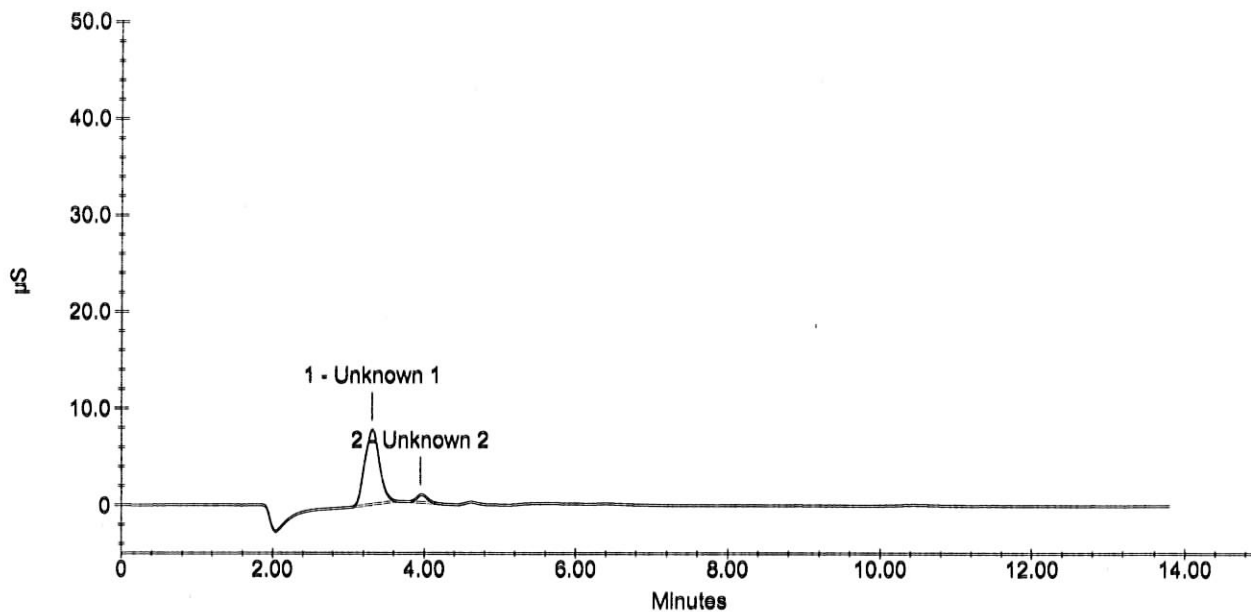
Injection Number : 26

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	3.31	Unknown 1	0.0000	1026153	76313	
2	3.95	Unknown 2	0.0000	75005	7431	

AY05418W01 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 CPSC

Sample ID: 101822

Sample Collection Date: No Date Specified

APPL ID: AY05419

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/13/09	10/13/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/13/09	10/13/09

Sample Analysis Report

Sample Name : AY05419W01 1/5

Data File Name : i:\dionex\dlanions\data\091013a\091013a_027.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/13/09 15:45:53

System Operator : PD

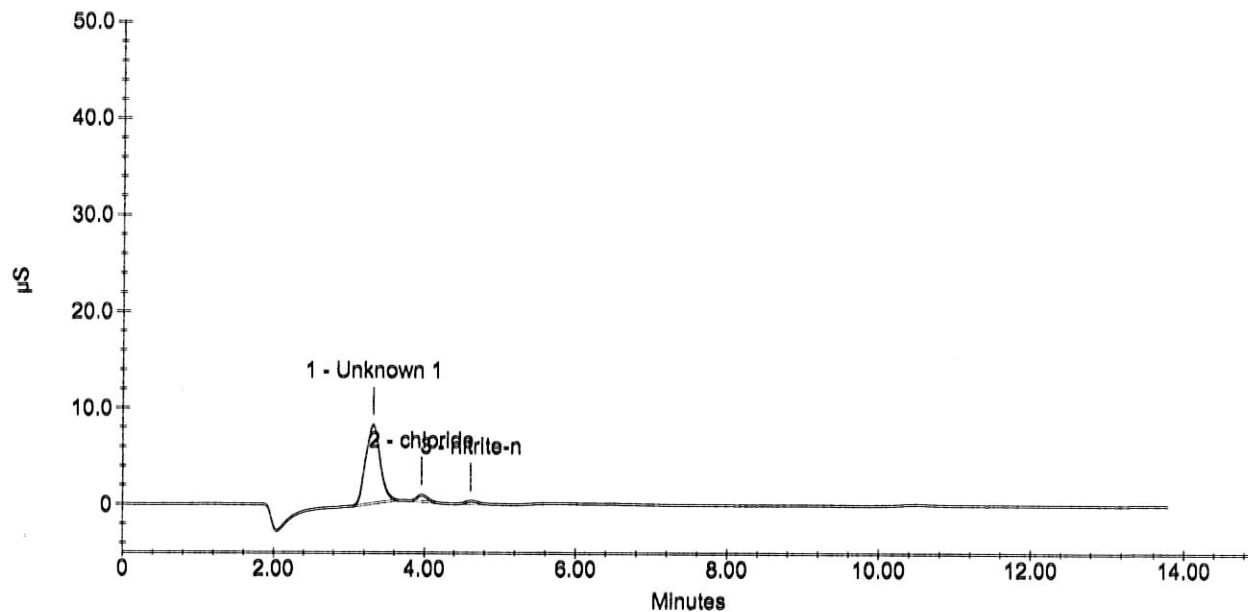
Injection Number : 27

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	3.32	Unknown 1	0.0000	1083677	81320	
2	3.96	chloride	5.3053	61644	6504	
3	4.61	nitrite-n	0.3788	27714	2740	

AY05419W01 1/5



Sample Analysis Report

Sample Name : AY05419W01 1/5

Data File Name : i:\dionex\dlanions\data\091013a\091013a_027.DXD

Method File Name : I:\DIONEX\DIANIONS\METHODS\EPA\ufite 08-25-09Low.met

Date Time Collected : 10/13/09 15:45:53

System Operator : PD

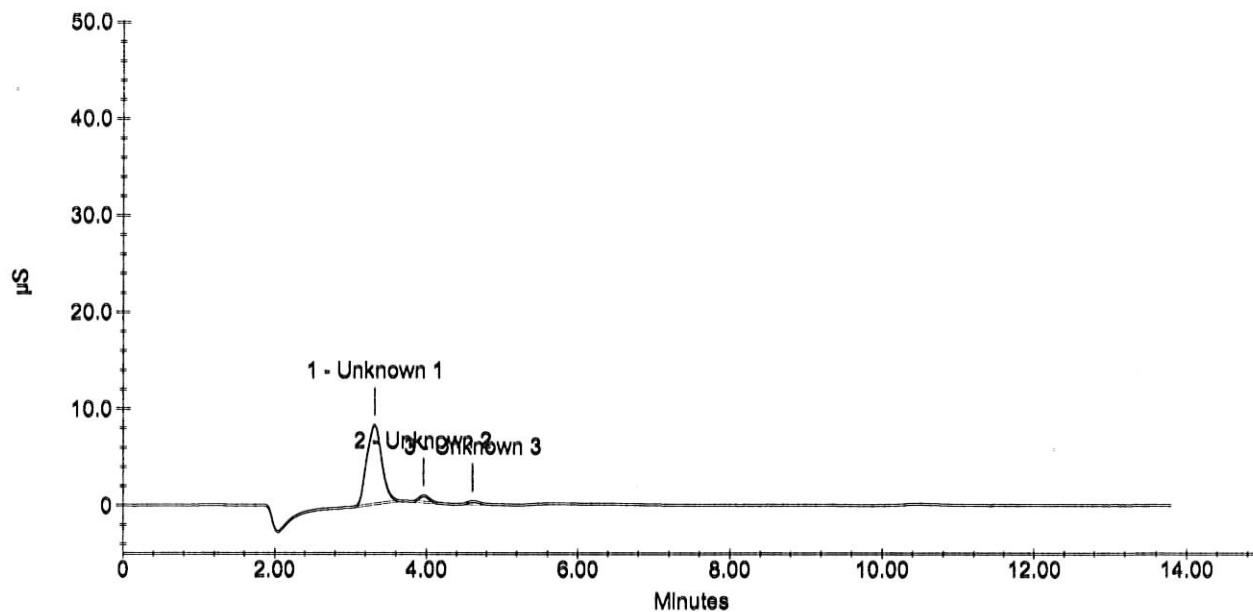
Injection Number : 27

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	3.32	Unknown 1	0.0000	1083677	81320	
2	3.96	Unknown 2	0.0000	61644	6504	
3	4.61	Unknown 3	0.0000	27714	2740	

AY05419W01 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 CPSC

Sample ID: 101823

Sample Collection Date: No Date Specified

APPL ID: AY05420

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/13/09	10/13/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/13/09	10/13/09

Sample Analysis Report

Sample Name : AY05420W01 1/5

Data File Name : i:\dionex\dlanions\data\091013a\091013a_028.DXD

Method File Name : I:\DIONEX\DIANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/13/09 16:02:17

System Operator : PD

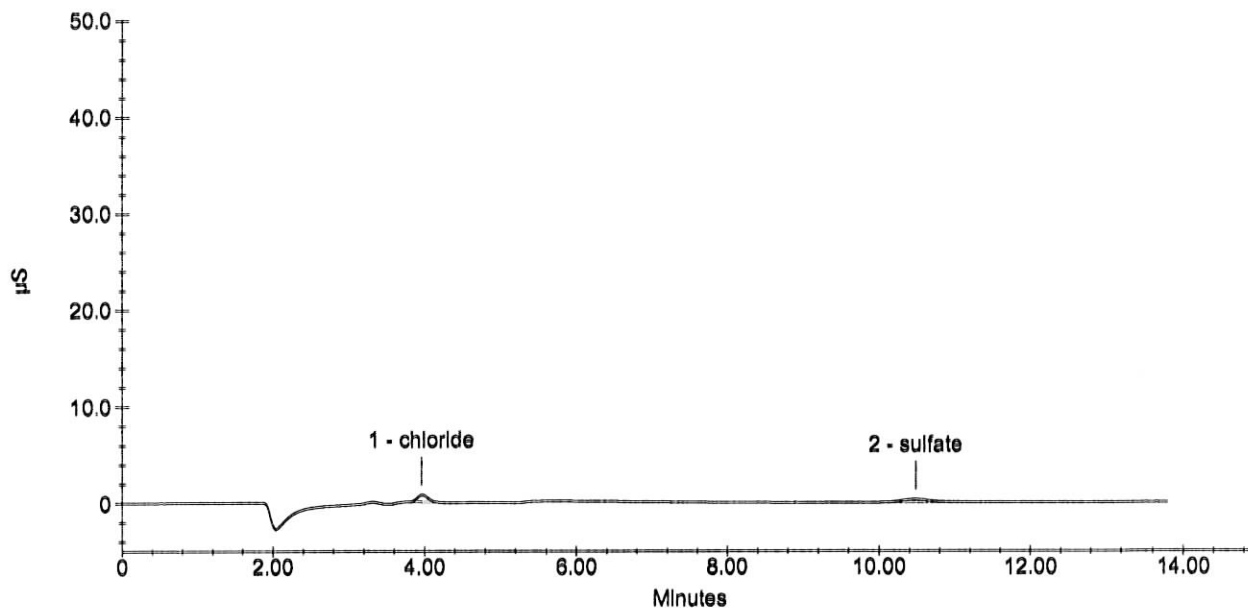
Injection Number : 28

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	3.96	chloride	5.3529	69324	7161	
2	10.48	sulfate	3.2813	65412	2796	

AY05420W01 1/5



Sample Analysis Report

Sample Name : AY05420W01 1/5

Data File Name : i:\dionex\dlanions\data\091013a\091013a_028.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPA sulfite 08-25-09Low.met

Date Time Collected : 10/13/09 16:02:17

System Operator : PD

Injection Number : 28

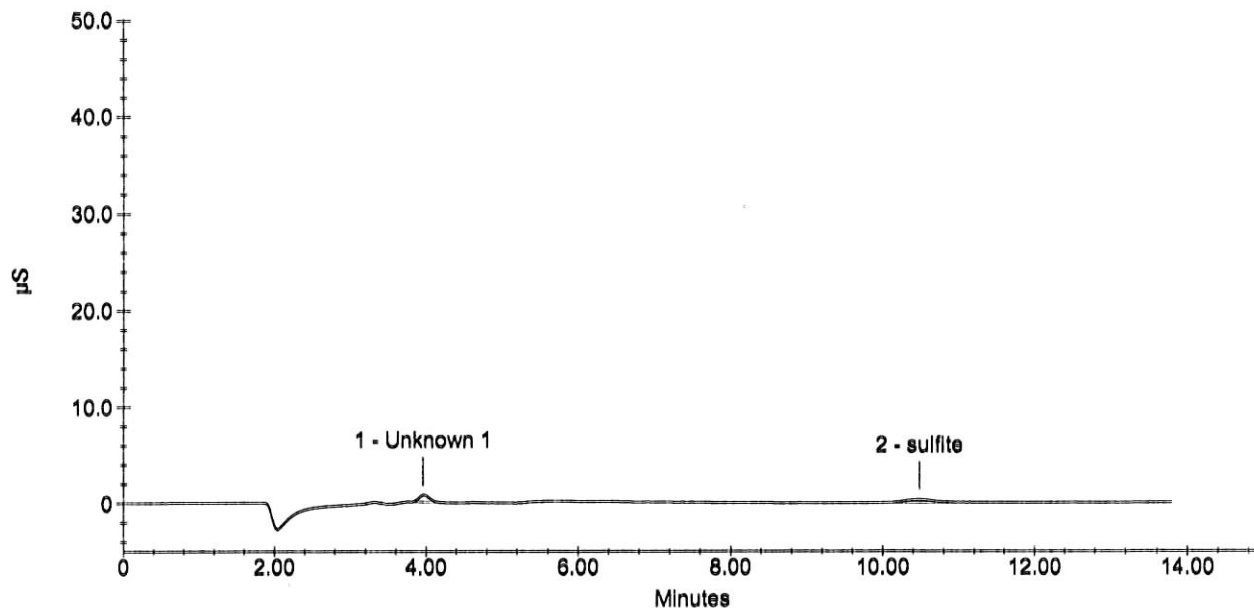
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.96	Unknown 1	0.0000	69324	7161	
2	10.48	sulfite	N.D. 0.9870	65412	2796	-

*Wrong retention time
for SO₃*

J.D. 10/19/09
AY05420W01 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 CPSC

Sample ID: 101909

Sample Collection Date: No Date Specified

APPL ID: AY05421

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/14/09	10/14/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/14/09	10/14/09

Sample Analysis Report

Sample Name : AY05421W01 1/5

Data File Name : i:\dionex\d1anions\data\091014a\091014a_008.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/14/09 11:23:03

System Operator : PD

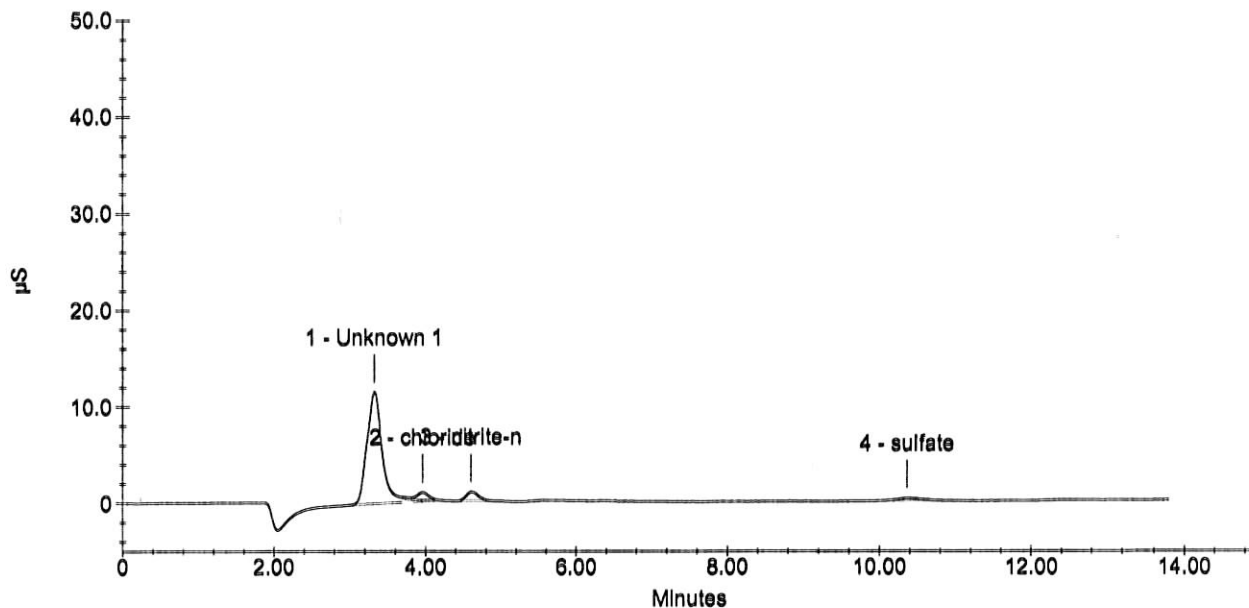
Injection Number : 8

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	3.32	Unknown 1	0.0000	1585027	115044	
2	3.96	chloride	5.4479	84664	7869	
3	4.60	nitrite-n	0.6307	99945	9058	
4	10.36	sulfate	3.0697	43542	2120	

AY05421W01 1/5



Sample Analysis Report

Sample Name : AY05421W01 1/5

Data File Name : i:\dionex\dlanions\data\091014a\091014a_008.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/14/09 11:23:03

System Operator : PD

Injection Number : 8

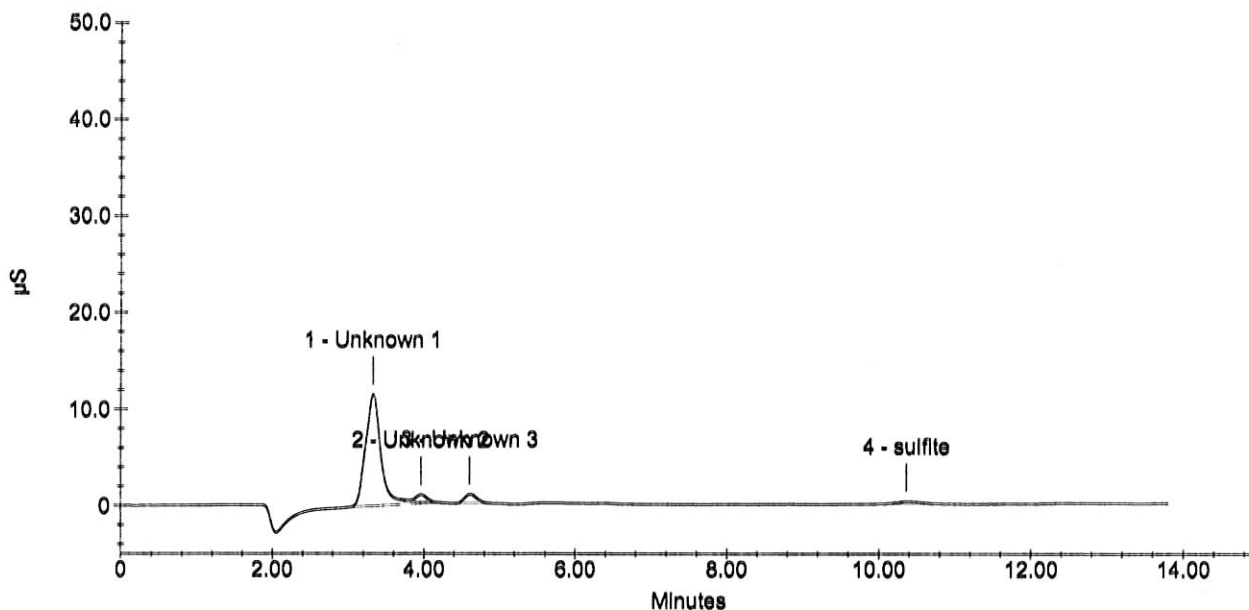
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.32	Unknown 1	0.0000	1585027	115044	
2	3.96	Unknown 2	0.0000	84664	7869	
3	4.60	Unknown 3	0.0000	99945	9058	
4	10.36	sulfite	N.D 0.5301	43542	2120	-

Wrong Retention time for SO3 P.D 10/19/09

AY05421W01 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 CPSC

Sample ID: 101910

Sample Collection Date: No Date Specified

APPL ID: AY05422

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/14/09	10/14/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/14/09	10/14/09

Sample Analysis Report

Sample Name : AY05422W01 1/5

Data File Name : i:\dionex\dlanions\data\091014a\091014a_009.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/14/09 11:39:30

System Operator : PD

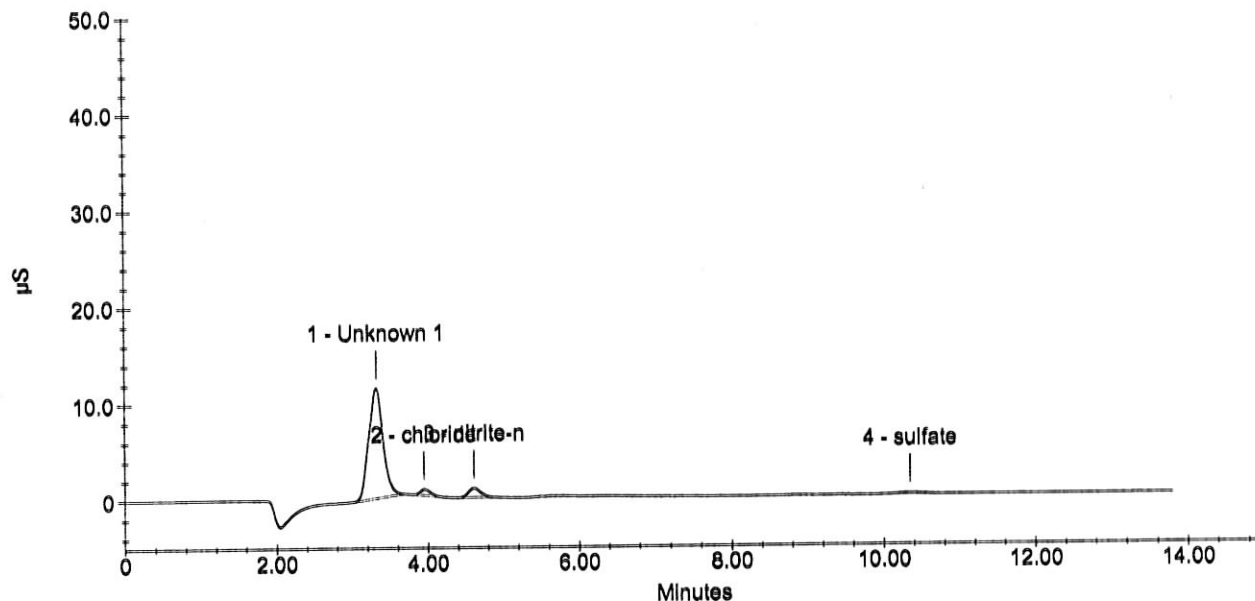
Injection Number : 9

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	3.32	Unknown 1	0.0000	1485087	113921	
2	3.95	chloride	5.2698	55916	6024	
3	4.61	nitrite-n	0.6487	105090	9408	
4	10.35	sulfate	2.8903	24993	1304	

AY05422W01 1/5



Sample Analysis Report

Sample Name : AY05422W01 1/5

Data File Name : i:\dionex\dlanions\data\091014a\091014a_009.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/14/09 11:39:30

System Operator : PD

Injection Number : 9

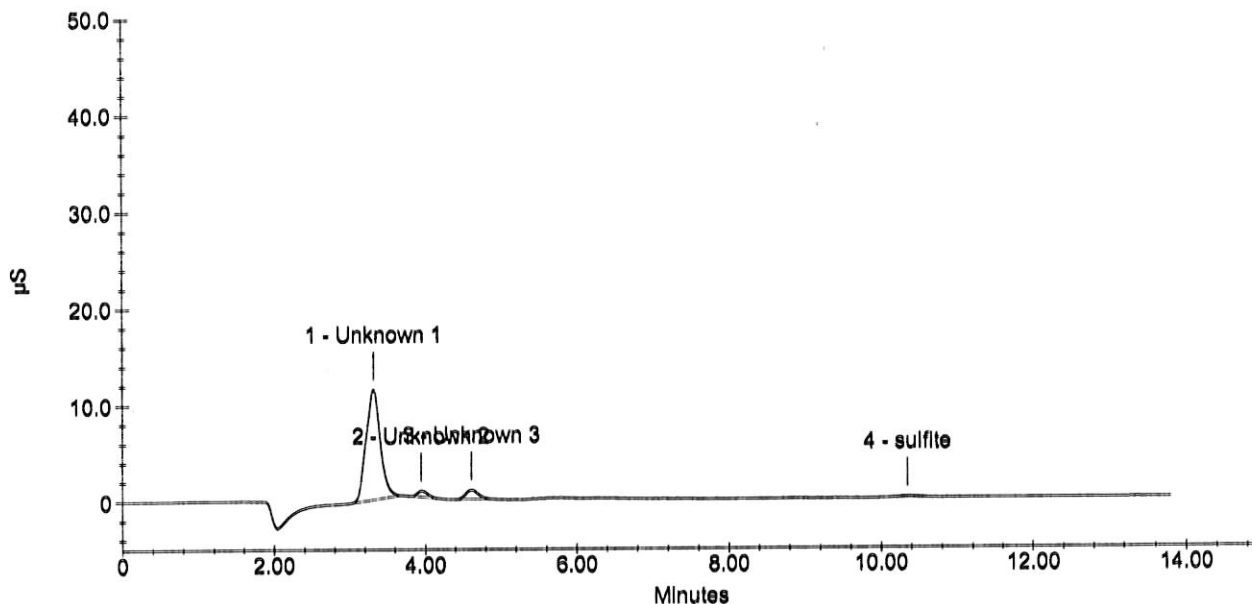
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.32	Unknown 1	0.0000	1485087	113921	
2	3.95	Unknown 2	0.0000	55916	6024	
3	4.61	Unknown 3	0.0000	105090	9408	
4	10.25	sulfite	N.D 0.1537	24993	1304	-

wrong retention time for SO3
p.d 10/19/09

AY05422W01 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 CPSC

Sample ID: 101911

Sample Collection Date: No Date Specified

APPL ID: AY05423

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/14/09	10/14/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/14/09	10/14/09

Sample Analysis Report

Sample Name : AY05423W01 1/5

Data File Name : i:\dionex\dlanions\data\091014a\091014a_010.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/14/09 11:55:57

System Operator : PD

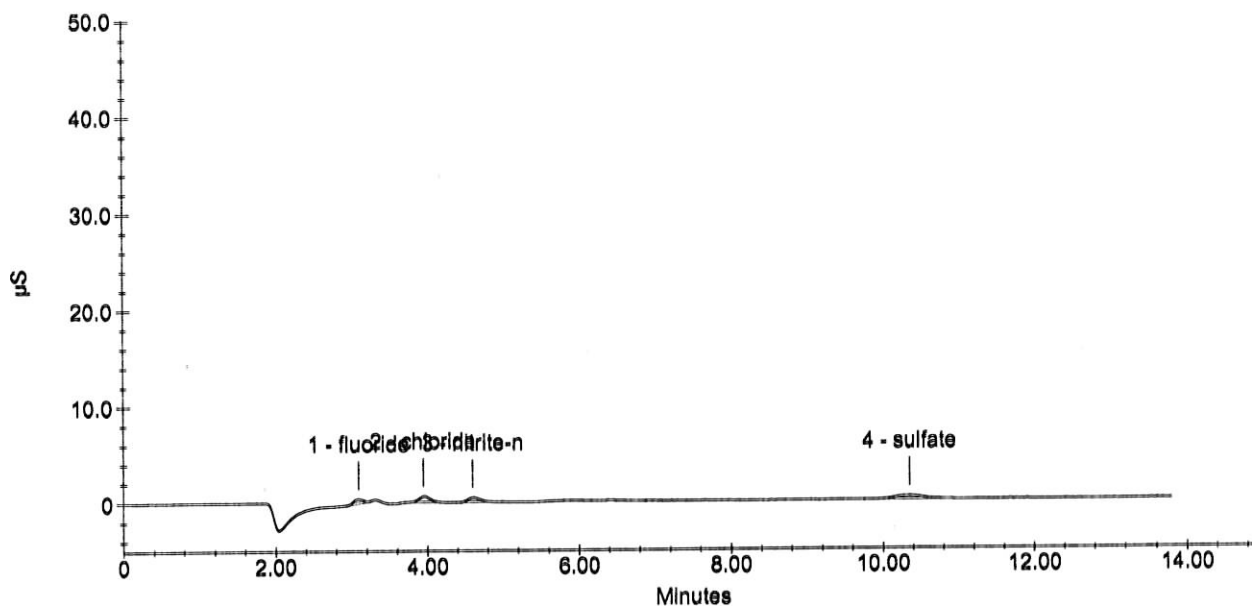
Injection Number : 10

Multiplier : 6.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.09	fluoride	0.6146	32309	4051	
2	3.95	chloride	6.2950	52050	5531	
3	4.60	nitrite-n	0.5201	43355	4170	
4	10.35	sulfate	4.1086	80150	3337	

AY05423W01 1/5



Sample Analysis Report

Sample Name : AY05423W01 1/5

Data File Name : i:\dionex\dlanions\data\091014a\091014a_010.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/14/09 11:55:57

System Operator : PD

Injection Number : 10

Multiplier : 6.00

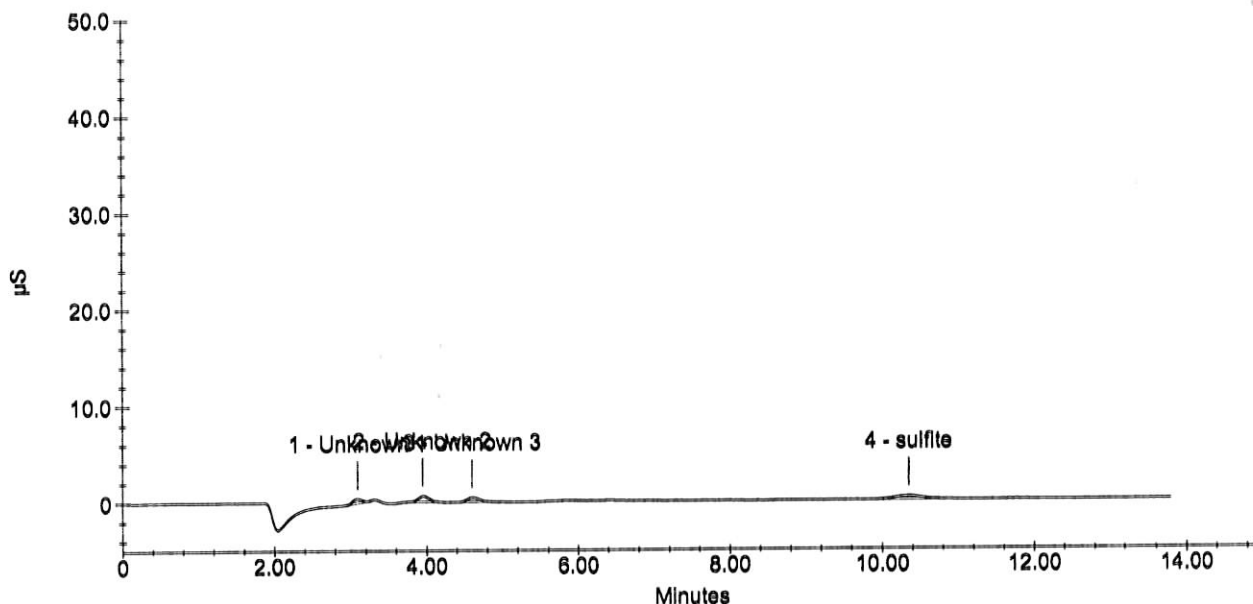
Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.09	Unknown 1	0.0000	32309	4051	
2	3.95	Unknown 2	0.0000	52050	5531	
3	4.60	Unknown 3	0.0000	43355	4170	
4	10.35	sulfite	N.D. 1.5490	80150	3337	

Wrong Retention time for SO₃

PD 10/19/09

AY05423W01 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 CPSC

Sample ID: 101912

Sample Collection Date: No Date Specified

APPL ID: AY05424

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/14/09	10/14/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/14/09	10/14/09

Sample Analysis Report

Sample Name : AY05424W01 1/5

Data File Name : i:\dionex\dlanions\data\091014a\091014a_011.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/14/09 12:12:25

System Operator : PD

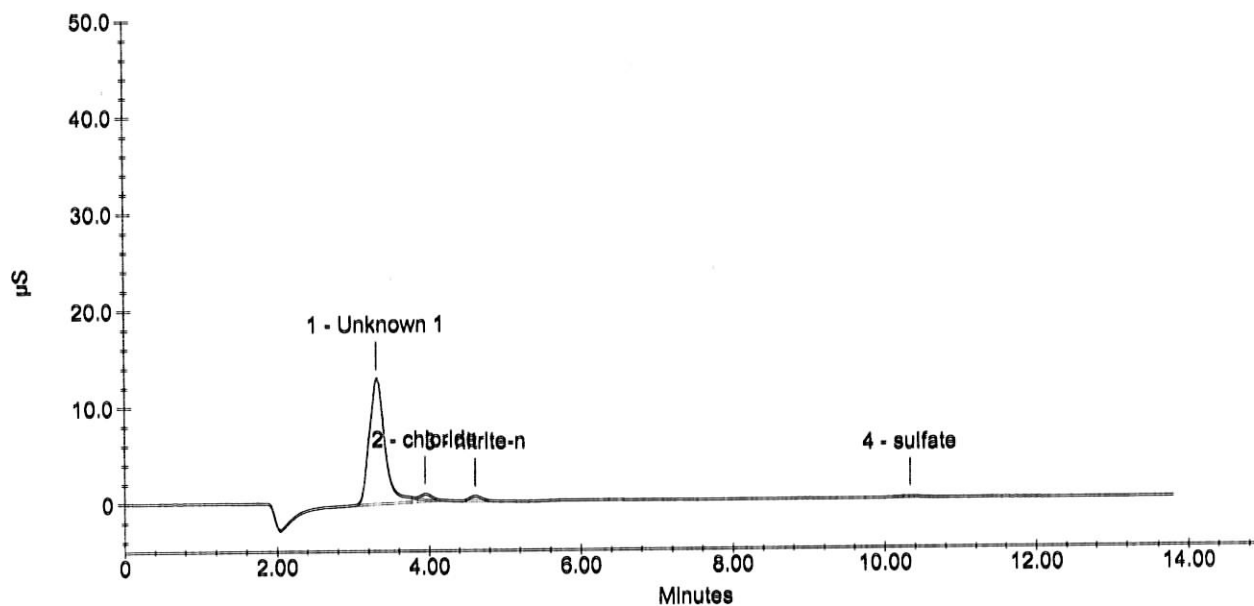
Injection Number : 11

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	3.31	Unknown 1	0.0000	1849846	128790	
2	3.95	chloride	5.3179	63675	5945	
3	4.61	nitrite-n	0.4641	52159	4862	
4	10.33	sulfate	2.8916	25136	1205	

AY05424W01 1/5



Sample Analysis Report

Sample Name : AY05424W01 1/5

Data File Name : i:\dionex\dlanions\data\091014a\091014a_011.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/14/09 12:12:25

System Operator : PD

Injection Number : 11

Multiplier : 5.00

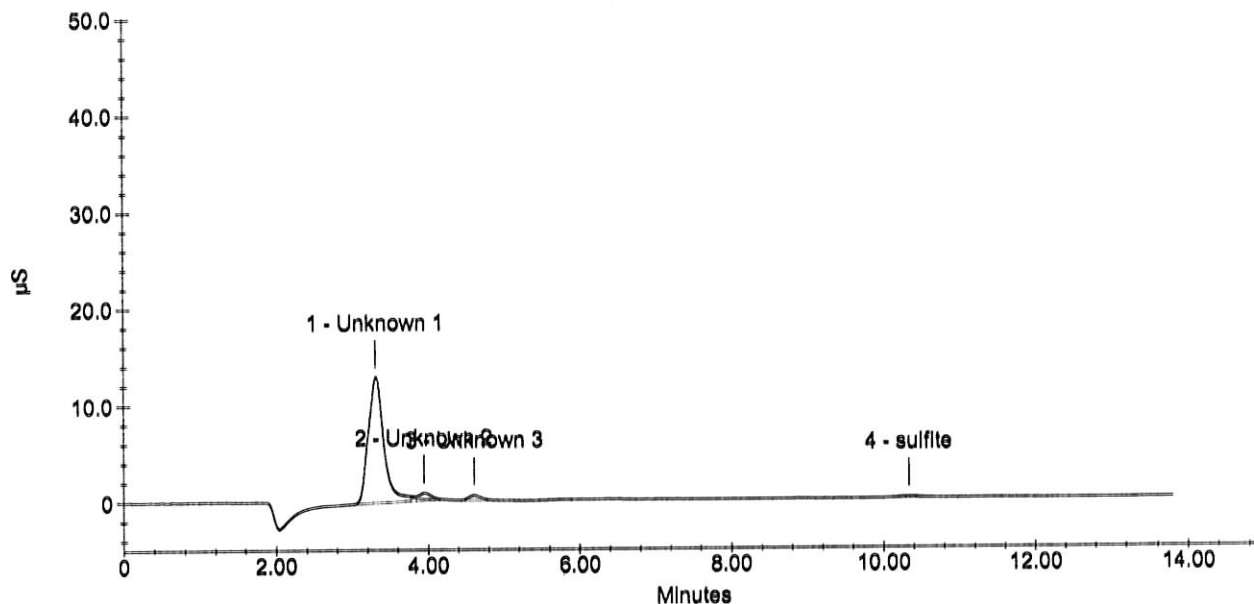
Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.31	Unknown 1	0.0000	1849846	128790	
2	3.95	Unknown 2	0.0000	63675	5945	
3	4.61	Unknown 3	0.0000	52159	4862	
4	10.33	sulfite	N.D 0.1567	25136	1205	-

Wrong retention time for SO₃

P.D. 10/19/09

AY05424W01 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 CPSC

Sample ID: 101913

Sample Collection Date: No Date Specified

APPL ID: AY05425

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/14/09	10/14/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/14/09	10/14/09

Sample Analysis Report

Sample Name : AY05425W01 1/5

Data File Name : i:\dionex\dlanions\data\091014a\091014a_012.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/14/09 12:28:52

System Operator : PD

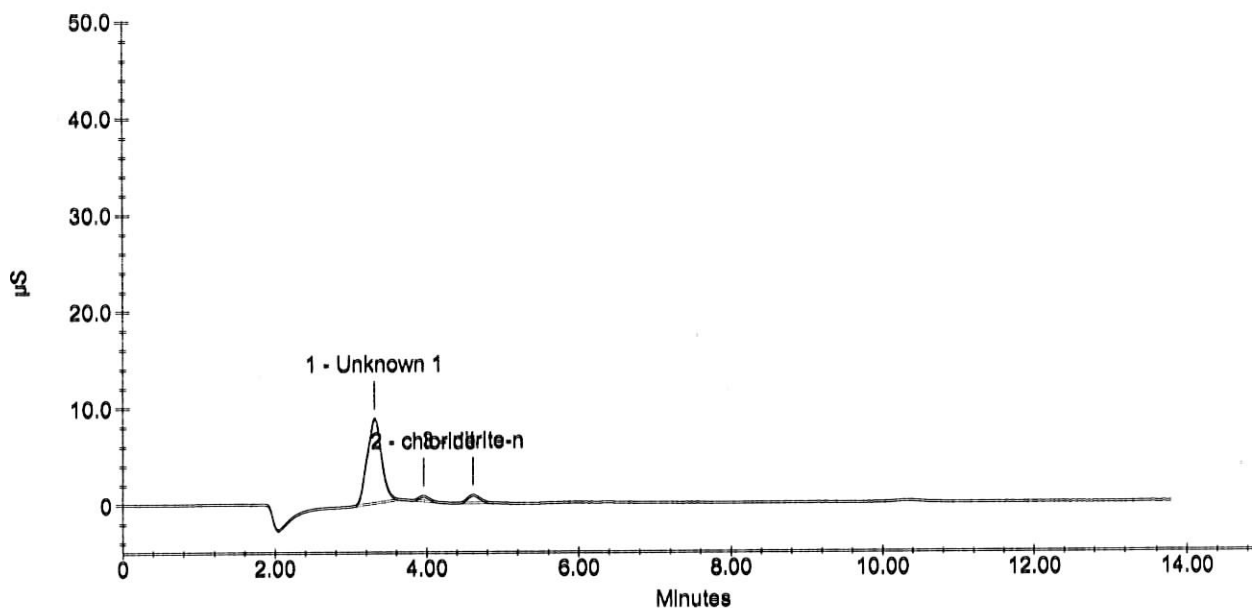
Injection Number : 12

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	3.31	Unknown 1	0.0000	1133891	86542	
2	3.96	chloride	5.1902	43064	4898	
3	4.61	nitrite-n	0.5822	86030	7712	

AY05425W01 1/5



Sample Analysis Report

Sample Name : AY05425W01 1/5

Data File Name : i:\dionex\dlanions\data\091014a\091014a_012.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/14/09 12:28:52

System Operator : PD

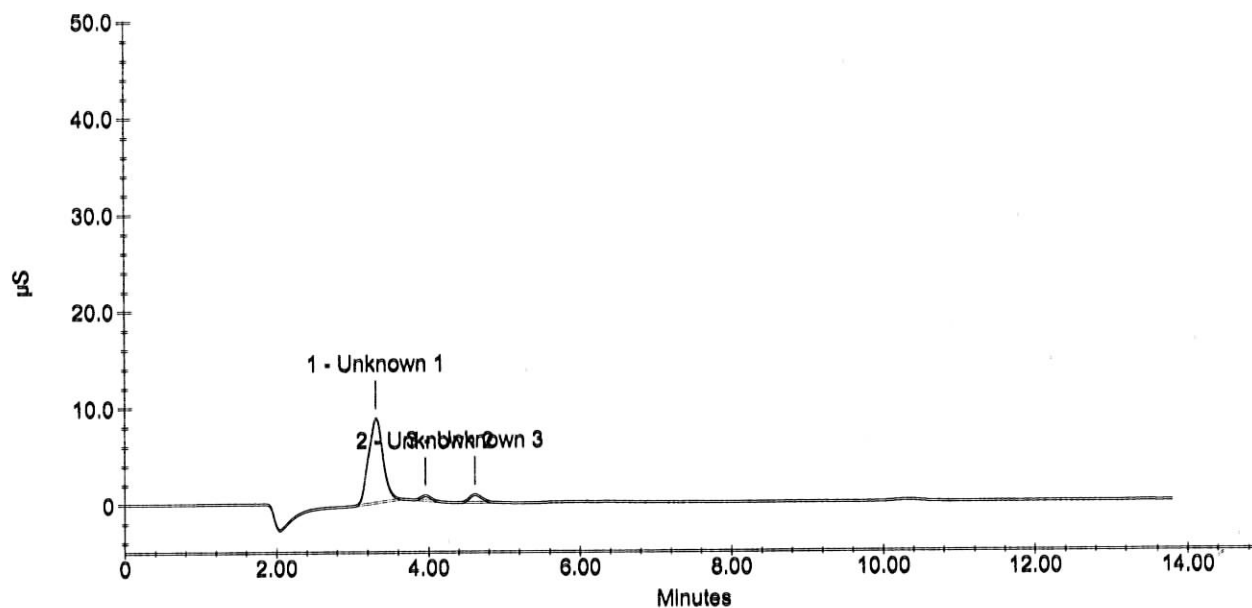
Injection Number : 12

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	3.31	Unknown 1	0.0000	1133891	86542	
2	3.96	Unknown 2	0.0000	43064	4898	
3	4.61	Unknown 3	0.0000	86030	7712	

AY05425W01 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 CPSC

Sample ID: 101914

Sample Collection Date: No Date Specified

APPL ID: AY05426

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/14/09	10/14/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/14/09	10/14/09

Sample Analysis Report

Sample Name : AY05426W01 1/5

Data File Name : i:\dionex\dlanions\data\091014a\091014a_013.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/14/09 12:45:18

System Operator : PD

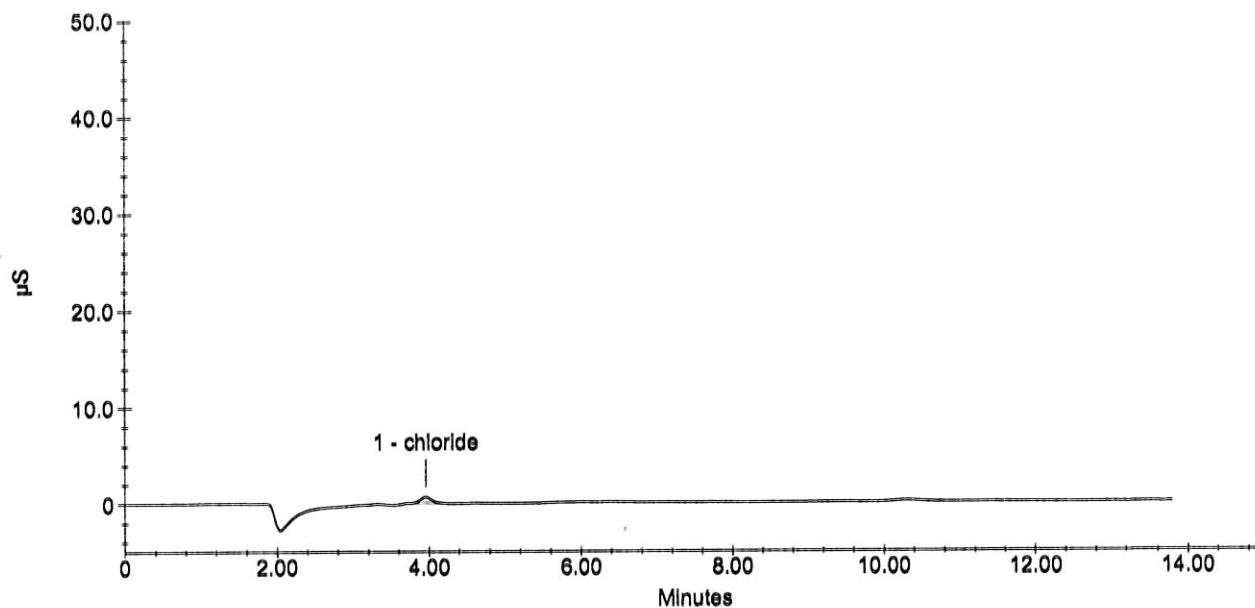
Injection Number : 13

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	3.96	chloride	5.2817	57842	5998	

AY05426W01 1/5



Sample Analysis Report

Sample Name : AY05426W01 1/5

Data File Name : i:\dionex\dlanions\data\091014a\091014a_013.DXD

Method File Name : I:\DIONEX\DIANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/14/09 12:45:18

System Operator : PD

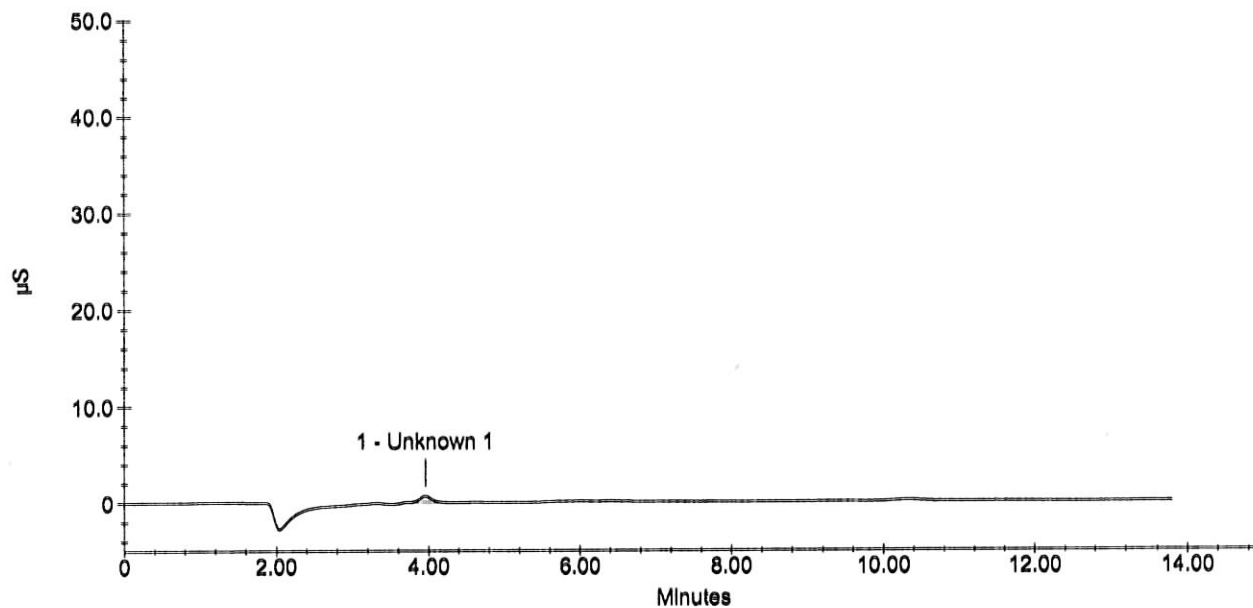
Injection Number : 13

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	3.96	Unknown 1	0.0000	57842	5998	

AY05426W01 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 CPSC

Sample ID: METHOD BLANK1

Sample Collection Date: No Date Specified

APPL ID: AY05427

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/14/09	10/14/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/14/09	10/14/09

Sample Analysis Report

Sample Name : AY05427W01 1/5

Data File Name : i:\dionex\dlanions\data\091014a\091014a_014.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/14/09 13:01:41

System Operator : PD

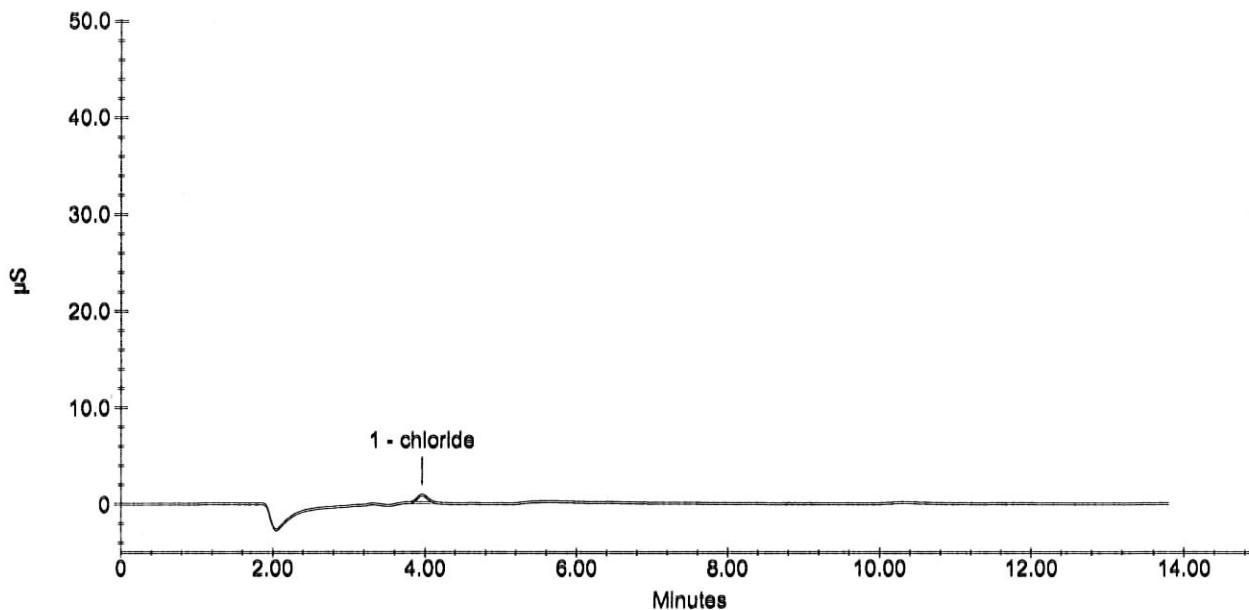
Injection Number : 14

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	3.96	chloride	5.3897	75272	7826	

AY05427W01 1/5



Sample Analysis Report

Sample Name : AY05427W01 1/5

Data File Name : i:\dionex\dlanions\data\091014a\091014a_014.DXD

Method File Name : I:\DIONEX\DIANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/14/09 13:01:41

System Operator : PD

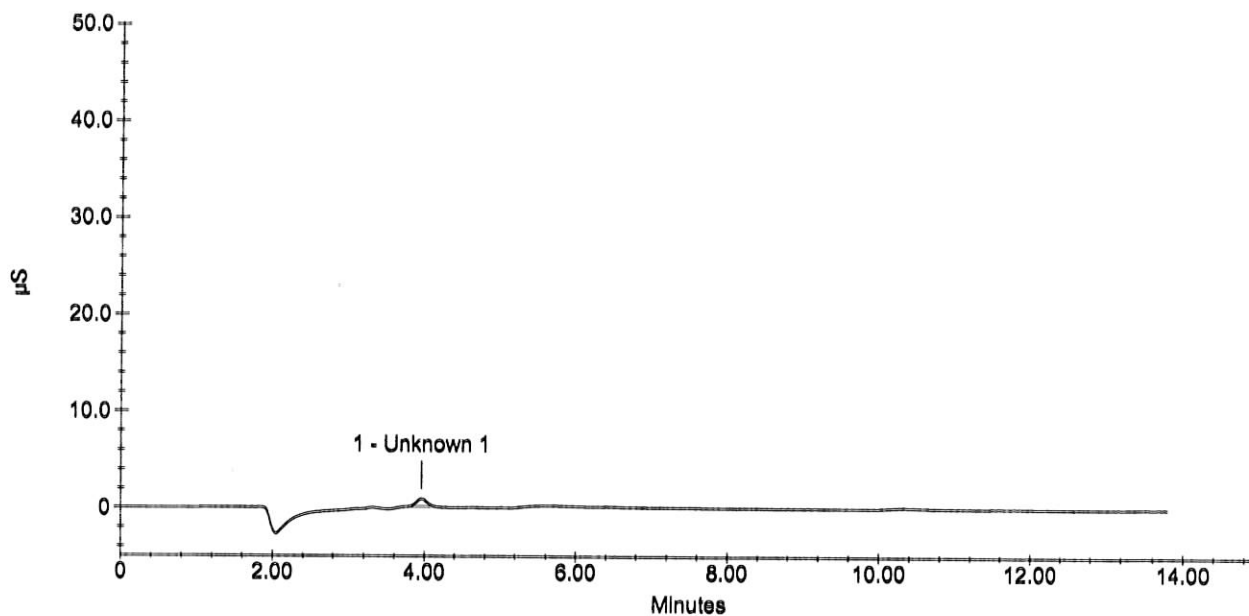
Injection Number : 14

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	3.96	Unknown 1	0.0000	75272	7826	

AY05427W01 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 CPSC

Sample ID: METHOD BLANK2

Sample Collection Date: No Date Specified

APPL ID: AY05428

ARF: 59971

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/14/09	10/14/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/14/09	10/14/09

Sample Analysis Report

Sample Name : AY05428W01 1/5

Data File Name : i:\dionex\d1anions\data\091014a\091014a_015.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/14/09 13:18:04

System Operator : PD

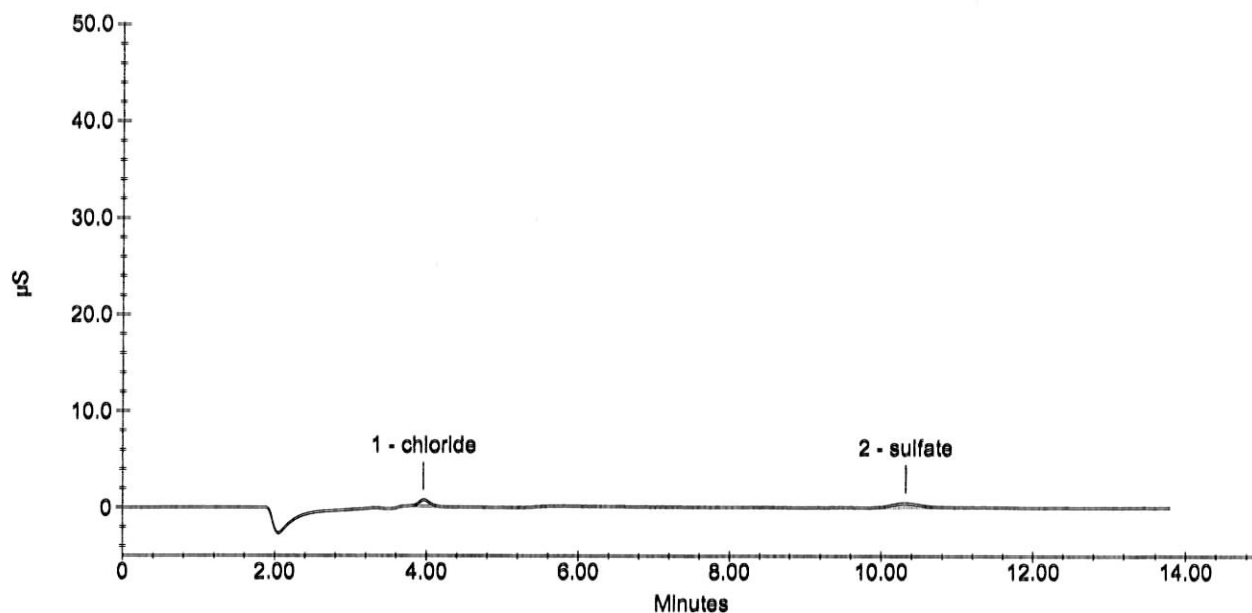
Injection Number : 15

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	3.96	chloride	5.2903	59221	6230	
2	10.32	sulfate	3.5684	95096	4185	

AY05428W01 1/5



Sample Analysis Report

Sample Name : AY05428W01 1/5

Data File Name : i:\dionex\d1anions\data\091014a\091014a_015.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/14/09 13:18:04

System Operator : PD

Injection Number : 15

Multiplier : 5.00

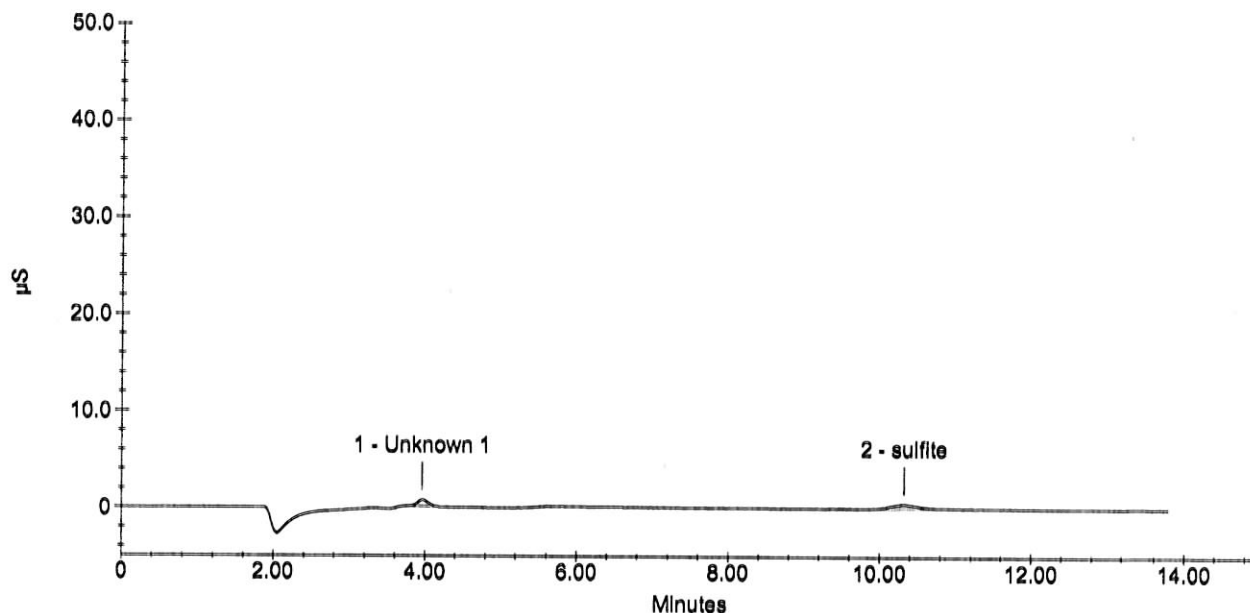
Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.96	Unknown 1	0.0000	59221	6230	
2	10.32	sulfite	N.D. 1.5989	95096	4185	

Wrong retention time for SO₃

P.D. 10/19/09

AY05428W01 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: 090825A

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

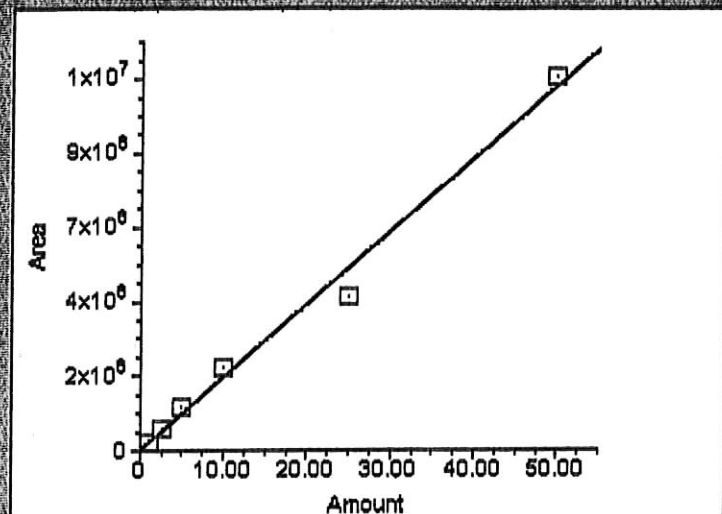
	1	2	3	4	5	6	7
Analyte	Autocal 12:26	Autocal 12:41	Autocal 12:57	Autocal 13:12	Autocal 13:28	Autocal 13:43	Autocal 13:59
Sulfite	122028	280400	746216	1477609	2740985	5115366	12439073

Component Data

Plot Replicates Data

Component: Curve Fit Type: Display: Calibrate By:

☐ Linear ☐ Ignore ☐ Area



Display: ☒ Included Pts ☒ Curve ☐ Error Bars ☐ Rejected Pts ☐ Residuals ☐ Confidence Intervals

Print

Replicates

View: Replicate 1

	Replicate	Use	Comment
1.1	122028	☒	
1.2	280900	☒	
1.3	746216	☒	
1.4	1197608	☒	
1.5	2740986	☒	
1.6	5116966	☒	
1.7	12439073	☒	
		☐	
		☐	
		☐	

Calculated:

Amount: 0.430825016

Response: 122028.471

N = 0.989904
K0 = 0.0723
K1 = 41236.005

OK Cancel Apply

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC.Contract: Air Toxics LTDARF No.: 59971SDG: 59971Initial Calibration Source: MallinckodtContinuing Calibration Source: J.T baker

Analysis Date: 08/25//2009

Concentration Units: mg/L

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

A.P.P.L. INC.

3

BLANKS

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

Contract: Air Toxics LTD

ARF No.: 59971

SDG: 59971

Preparation Blank Matrix (soil/water): water

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

Analysis Date: 08/25/09

	ICB Blank (mg/L)	CCB Blank (mg/L)					
Analyte		C	1	C			
		15:12		16:09			
Sulfite	5.0	U	5.0	U			

INORGANIC ANALYSES
AUTO CALIBRATION

Analytical Method: 300/9056

Lab Name: APPL Inc.

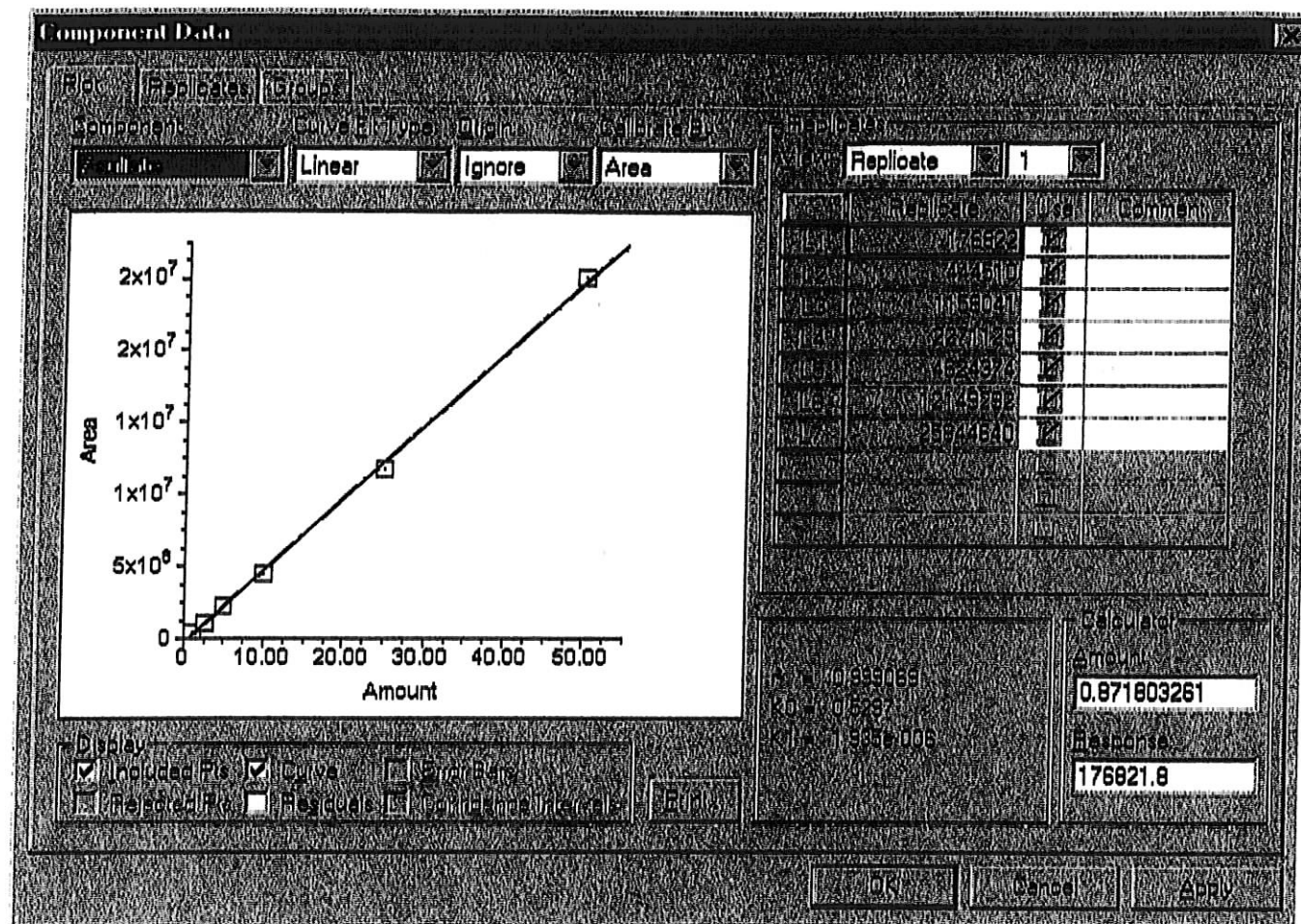
Instrument ID: Dionex

Autocal ID: 090928a

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

Analyte	1	2	3	4	5	6	7
	Autocal 13:25	Autocal 13:42	Autocal 13:58	Autocal 14:15	Autocal 14:31	Autocal 14:48	Autocal 15:21
Bromide	47911	117894	311112	630770	1290197	3457177	7200873
Chloride	284400	622431	1492117	3013976	6440657	18241880	40194723
Fluoride	20480	99752	205202	425345	897542	2493520	5247527
Nitrate-N	143858	278624	710515	1440523	2948678	7905563	17044271
Nitrite-N	38792	87933	303800	608470	1284469	3470086	7116627
Phosphate-P	46202	114825	375886	692515	1357445	3129437	6130483
Sulfate	176821	444510	1158040	2271129	4624374	12149291	25844639

Comments:

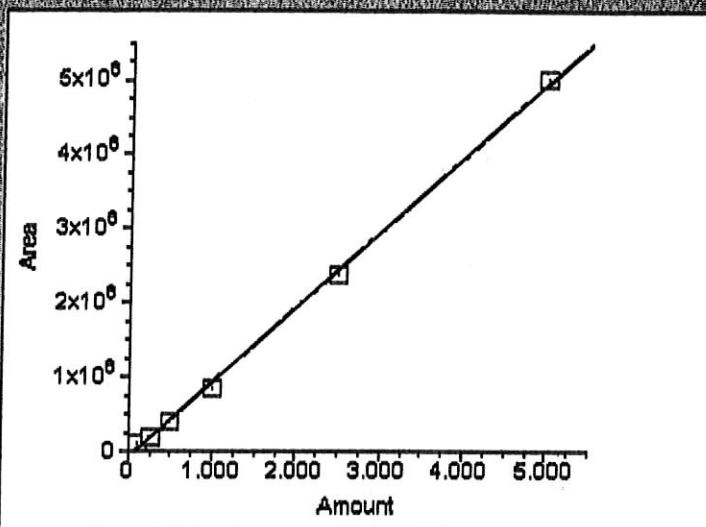


Component Data

Plot Replicates Groups

Component: ☒ Linear ☒ Ignore ☒ Area

Replicate: ☒ 1



Display: ☒ Included Pts ☒ Curve ☐ Error Bars ☐ Rejected Pts ☐ Residuals ☐ Confidence Interval

ENTER

Replicate	Use	Comment
1	☒	
2	☒	
3	☒	
4	☒	
5	☒	
6	☒	
7	☒	
8	☐	
9	☐	
10	☐	

Y: 0.0912266321
X: 0.007182
R: 0.999999

Calculator

Amount

0.0912266321

Response

20480.2

OK

Cancel

Apply

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC.Contract: Air Toxics Ltd.ARF No: 59971SDG: 59971Initial Calibration Source: CPIContinuing Calibration Source: Environmental ExpressAnalysis Date: 09/28/09

Analyte	Calibration Verification									M
	True ICV	Found 16:22	%R(1)	True CCV1	Found 16:55	%R(1)	True	Found	%R(1)	
fluoride	2.5	2.31671	92.7	2.5	2.35805	94.3				
sulfate	5	4.95602	99.1	25	23.8454	95.4				

A.P.P.L. INC.

3

BLANKS

Lab Name: A.P.P.L. INC.Contract: Air Toxics Ltd.ARF No.: 59971SDG: 59971Preparation Blank Matrix (soil/water): waterPreparation Blank Concentration Units (ug/L or mg/kg): mg/L

Analyte	Calibration Blanks										M
	ICB 09/28/09 16:38	C	CCB 09/28/09 17:11	C		C		C		C	
fluoride	1.000	U	1.000	U							
sulfate	5.000	U	5.000	U							

INITIAL AND CONTINUING CALIBRATION VERIFICATION

METHOD EPA 300WSO3
QCG: 091012A
ANALYSIS DATE: 10/12//09
ARF: 59971

Contract: Air Toxics Ltd.

Initial Calibration Source:
Continuing Calibration Source:

Mallinckodt Lot#8064KEAZ
J.T Baker Lot# H37338

ANALYTE	TRUE	Found	% RECOVERY	TRUE	Found	% RECOVERY
	ICV1	9:04		CCV1	12:56	
SULFITE	25	24.8863	99.5%	25	23.772	95.1%

ANALYTE	TRUE	Found	% RECOVERY	TRUE	Found	% RECOVERY
	ICV1	16:39		CCV1		
SULFITE	25	24.4036	97.6%	25		0.0%

METHOD EPA 300WSO3
QCG: 091013A
ANALYSIS DATE: 10/13/09
ARF: 59971

Contract: Air Toxics Ltd.

Initial Calibration Source:
Continuing Calibration Source:

Mallinckodt Lot#8064KEAZ
J.T Baker Lot# H37338

ANALYTE	TRUE	Found	% RECOVERY	TRUE	Found	% RECOVERY
	ICV1	9:15		CCV1	13:05	
SULFITE	25	25.7079	102.8%	25	24.364	97.5%

ANALYTE	TRUE	Found	% RECOVERY	TRUE	Found	% RECOVERY
	ICV1	16:18 AM		CCV1		
SULFITE	25	24.3424	97.4%	25		0.0%

METHOD EPA 300WSO3
QCG: 091014A
ANALYSIS DATE: 10/14//09
ARF: 59971

Initial Calibration Source:
Continuing Calibration Source:

Mallinckodt Lot#8064KEAZ
J.T Baker Lot# H37338

ANALYTE	TRUE	Found	% RECOVERY	TRUE	Found	% RECOVERY
	CCV1	10:18		CCV1	14:30 PM	
SULFITE	25	25.130	100.5%	25	24.815	99.3%

A.P.P.L. INC.

3

BLANKS

Lab Name: A.P.P.L. INC.Contract: Air Toxics LTDARF No.: 59971SDG: 59971Preparation Blank Matrix (water): waterPreparation Blank Concentration Units : mg/L

Concentration Units: mg/L

Analyte			Continuing Calibration Blank (mg/L)						
	CCB		CCB		CCB		CCB		CCB
	2 10/12/09 9:36	C	2 10/12/09 13:28	C	2 10/12/09 18:01	C	2 10/13/09 9:47	C	2 10/13/09 13:42
Sulfite	5.0	U	5.0	U	5.0	U	5.0	U	5.0

Analyte			Continuing Calibration Blank (mg/L)						
	CCB		CCB		CCB		CCB		CCB
	2 10/13/09 17:23	C	2 10/14/09 10:50	C	2 10/14/09 15:02	C	2	C	2
Sulfite	5.0	U	5.0	U	5.0	U	5.0	U	5.0

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC.Contract: Air Toxics Ltd.ARF No: 59971SDG: 59971Initial Calibration Source: CPIContinuing Calibration Source: Environmental ExpressAnalysis Date: 10/12/09

Analyte	Calibration Verification									M
	True CCV1	Found 8:30	%R(1)	True CCV1	Found 13:11	%R(1)	True CCV1	Found 17:44	%R(1)	
fluoride	2.5	2.43359	97.3	2.5	2.42838	97.1	2.5	2.39927	96.0	
sulfate	25	23.9074	95.6	25	24.3228	97.3	25	23.9848	95.9	

BLANKS

Lab Name: A.P.P.L. INC.Contract: Air Toxics Ltd.ARF No.: 59971SDG: 59971Preparation Blank Matrix (soil/water): waterPreparation Blank Concentration Units (ug/L or mg/kg): mg/L

Analyte	Calibration Blanks										M
	CCB 10/12/09 09:36	C	CCB 10/12/09 13:28	C	CCB 10/12/09 18:01	C		C		C	
fluoride	1.000	U	1.000	U	1.000	U					
sulfate	5.000	U	5.000	U	5.000	U					

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC.Contract: Air Toxics Ltd.ARF No: 59971SDG: 59971Initial Calibration Source: CPIContinuing Calibration Source: Environmental ExpressAnalysis Date: 10/13/09

Analyte	Calibration Verification									M
	True CCV1	Found 8:41	%R(1)	True CCV1	Found 13:26	%R(1)	True CCV1	Found 16:34	%R(1)	
fluoride	2.5	2.30076	92.0	2.5	2.42085	96.8	2.5	2.43565	97.4	
sulfate	25	24.3810	97.5	25	24.0365	96.1	25	23.9788	95.9	

BLANKS

Lab Name: A.P.P.L. INC.Contract: Air Toxics Ltd.ARF No.: 59971SDG: 59971Preparation Blank Matrix (soil/water): waterPreparation Blank Concentration Units (ug/L or mg/kg): mg/L

Analyte	Calibration Blanks										M
	CCB 10/13/09 09:47	C	CCB 10/13/09 13:42	C	CCB 10/13/09 17:23	C		C		C	
fluoride	1.000	U	1.000	U	1.000	U					
sulfate	5.000	U	5.000	U	5.000	U					

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: A.P.P.L. INC.Contract: Air Toxics Ltd.ARF No: 59971SDG: 59971Initial Calibration Source: CPIContinuing Calibration Source: Environmental ExpressAnalysis Date: 10/14/09

Analyte	Calibration Verification									M
	True CCV1	Found 9:42	%R(1)	True CCV1	Found 14:45	%R(1)	True	Found	%R(1)	
fluoride	2.5	2.35957	94.4	2.5	2.41470	96.6				
sulfate	25	23.8812	95.5	25	24.4605	97.8				

BLANKS

Lab Name: A.P.P.L. INC.Contract: Air Toxics Ltd.ARF No.: 59971SDG: 59971Preparation Blank Matrix (soil/water): waterPreparation Blank Concentration Units (ug/L or mg/kg): mg/L

Analyte	Calibration Blanks										M
	CCB 10/14/09 10:50	C	CCB 10/14/09 15:02	C		C		C		C	
fluoride	1.000	U	1.000	U							
sulfate	5.000	U	5.000	U							

/

Calibration Update Report

Sample Name : sulfite090825AICAL#1

Data File Name : i:\dionex\dlanions\data\090825a\090825a_012.DXD

Method File Name : ...\\EPAsulfite 08-25-09Low.met

Calibration Date : 8/26/09 12:48:29

Schedule File Name : ...\\090825a.sch

System Operator : PD

Date Time Collected : 8/25/09 12:26:03

Injection Number : 12

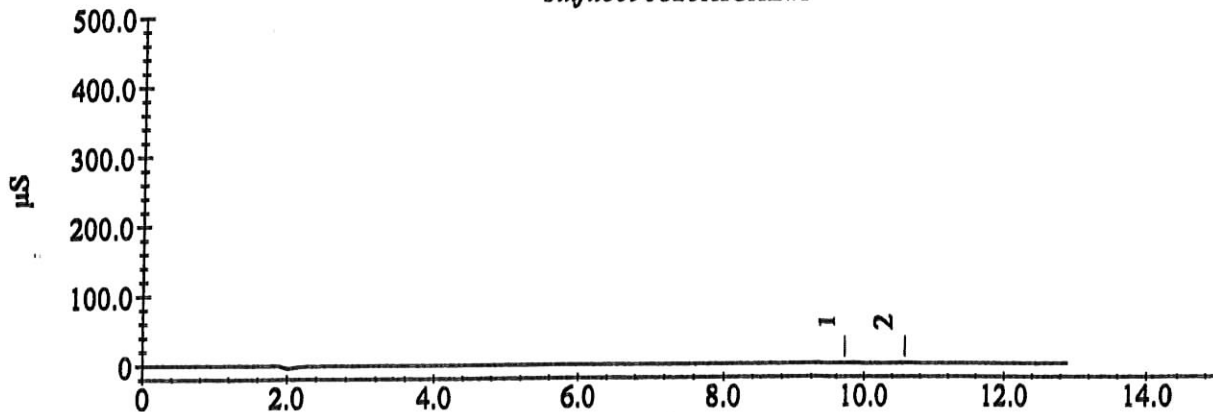
Peak Information : All Components

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\dlanions\data\090825a\090825a_013.DXD

Method File Name : ...\\EPAsulfite 08-25-09Low.met

Calibration Date : 8/26/09 12:48:41

Schedule File Name : ...\\090825a.sch

System Operator : PD

Date Time Collected : 8/25/09 12:41:36

Injection Number : 13

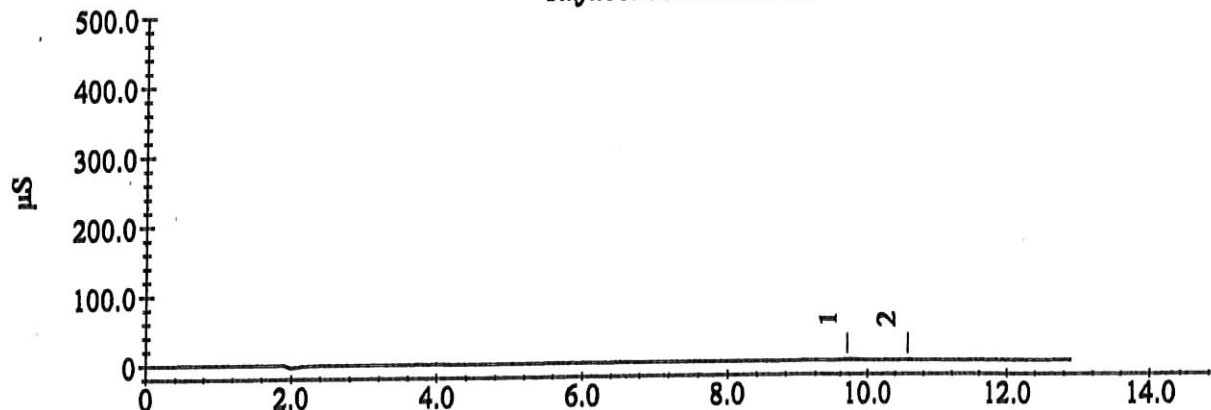
Peak Information : All Components

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\dlanions\data\090825a\090825a_014.DXD

Method File Name : ...\\EPAsulfite 08-25-09Low.met

Calibration Date : 8/26/09 12:48:48

Schedule File Name : ...\\090825a.sch

System Operator : PD

Date Time Collected : 8/25/09 12:57:10

Injection Number : 14

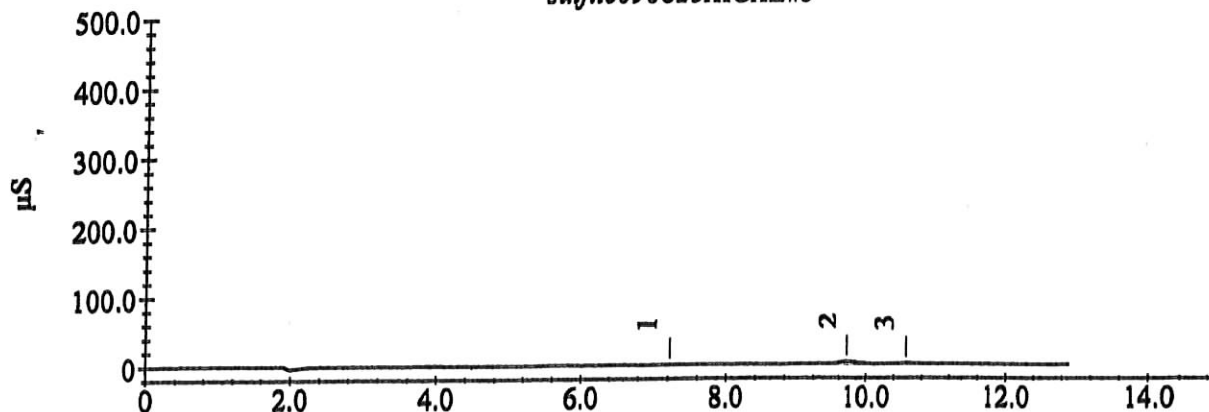
Peak Information : All Components

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\dlanions\data\090825a\090825a_015.DXD

Method File Name : ...\\EPAsulfite 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

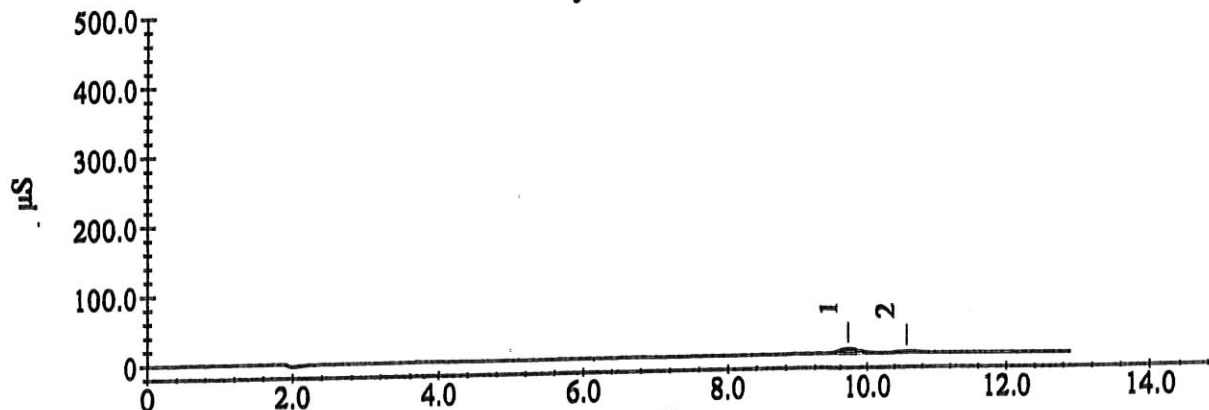
Peak Information : All Components

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\dlanions\data\090825a\090825a_016.DXD

Method File Name : ...\\EPAsulfite 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

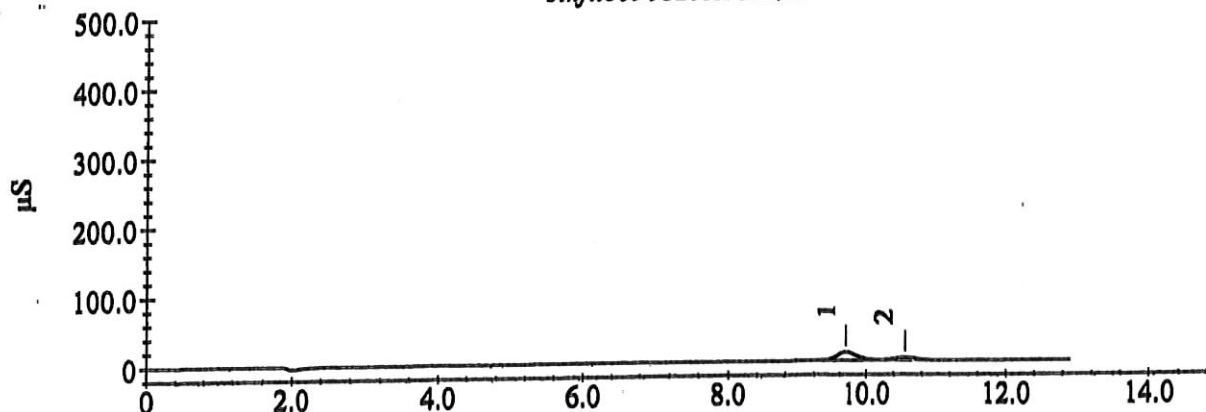
Peak Information : All Components

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\dlanions\data\090825a\090825a_017.DXD

Method File Name : ...\\EPAsulfite 08-25-09Low.met

Calibration Date : 8/26/09 12:49:08

Schedule File Name : ...\\090825a.sch

System Operator : PD

Date Time Collected : 8/25/09 13:43:47

Injection Number : 17

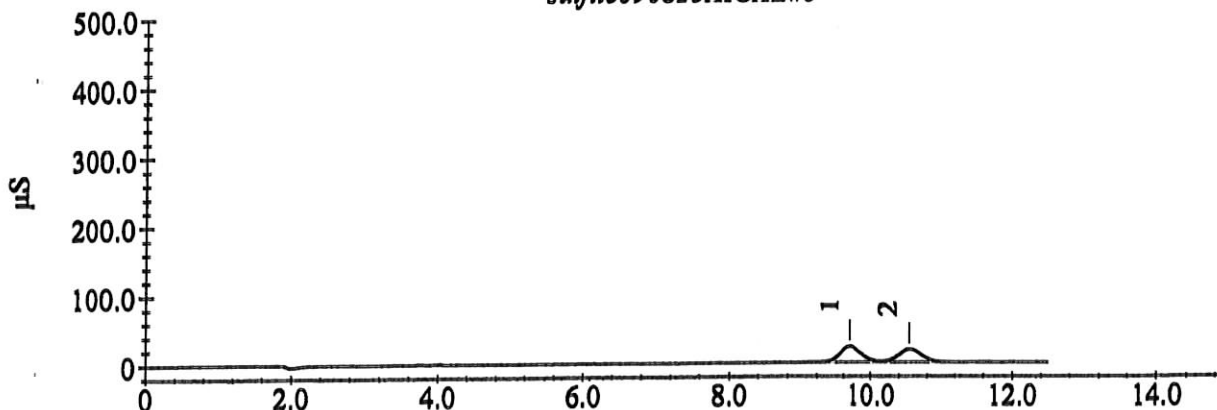
Peak Information : All Components

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\dlanions\data\090825a\090825a_018.DXD

Method File Name : ...\\EPAsulfite 08-25-09Low.met

Calibration Date : 8/26/09 12:49:14

Schedule File Name : ...\\090825a.sch

System Operator : PD

Date Time Collected : 8/25/09 13:59:08

Injection Number : 18

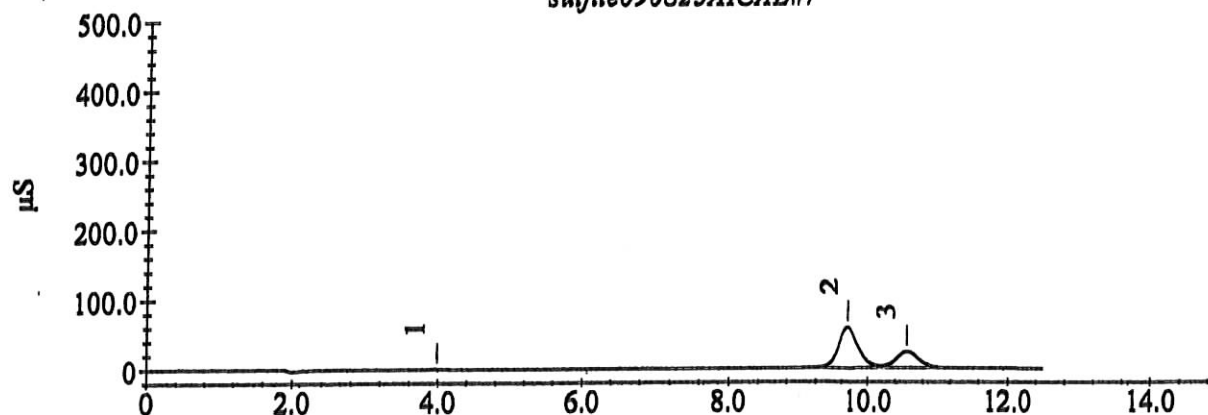
Peak Information : All Components

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 : sulfit 090825 lcb

Data File Name : i:\dionex\dlanions\data\090825a\090825a_022.DXD

Method File Name : i:\dionex\dlanions\methods\epasulfit 08-25-09low.met

Date Time Collected : 8/25/09 15:12:57

System Operator : PD

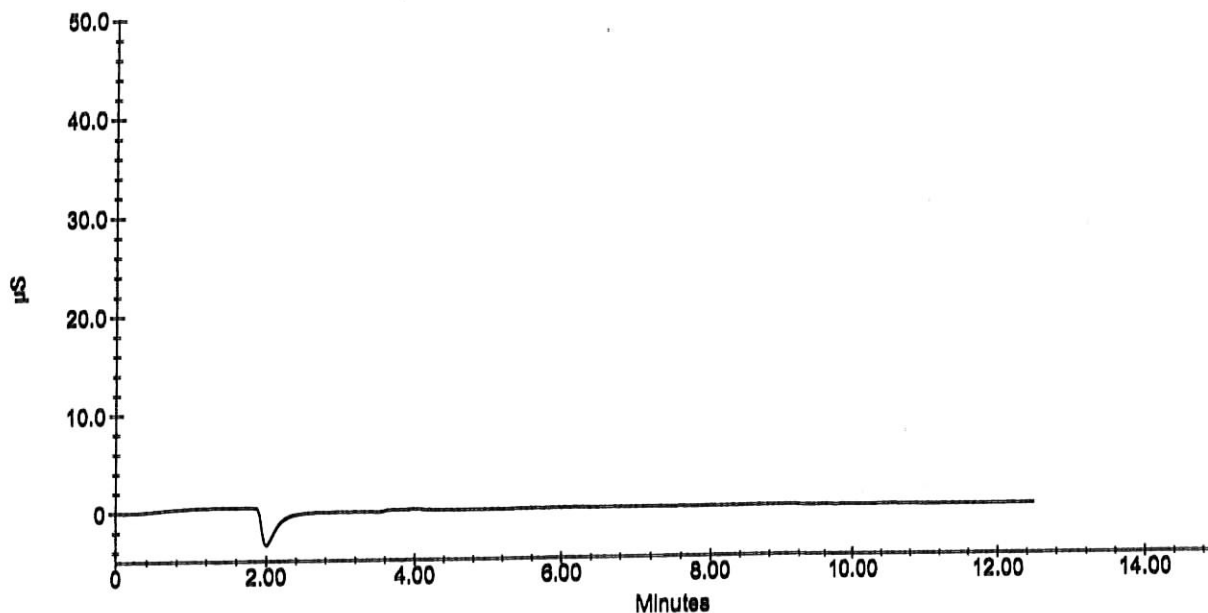
Injection Number : 22

Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
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sulfit 090825 lcb



Sample Analysis Report

Sample Name : sulfite 090825 lov 25.0PPM

Data File Name : I:\DIONEX\DIANIONS\DATA\090825A\090825A_023.DXD

Method File Name : i:\dionex\diانions\methods\epasulfite 08-25-09low.met

Date Time Collected : 8/25/09 15:28:03

System Operator : PD

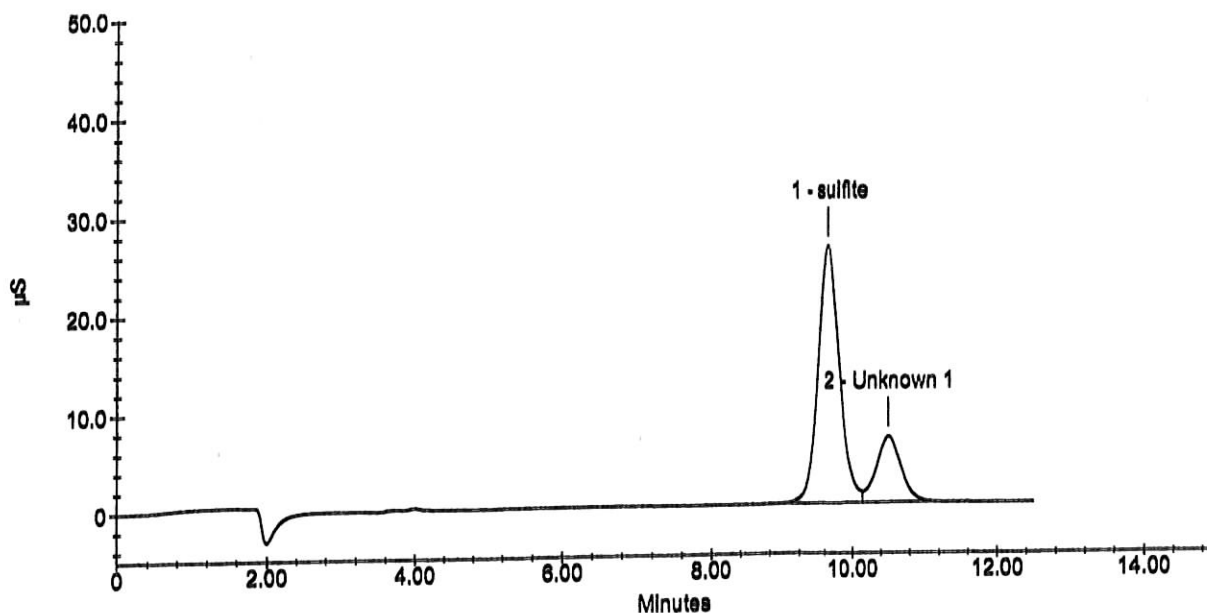
Injection Number : 23

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	22.9153	5788540	259917	
2	10.49	Unknown 1	0.0000	1593563	66650	

sulfite 090825 lov 25.0PPM



Sample Analysis Report

Sample Name : sulfite 090825 ccb

Data File Name : i:\dionex\dlanions\data\090825a\090825a_025.DXD

Method File Name : i:\dionex\dlanions\methods\epasufite 08-25-09low.met

Date Time Collected : 8/25/09 16:09:15

System Operator : PD

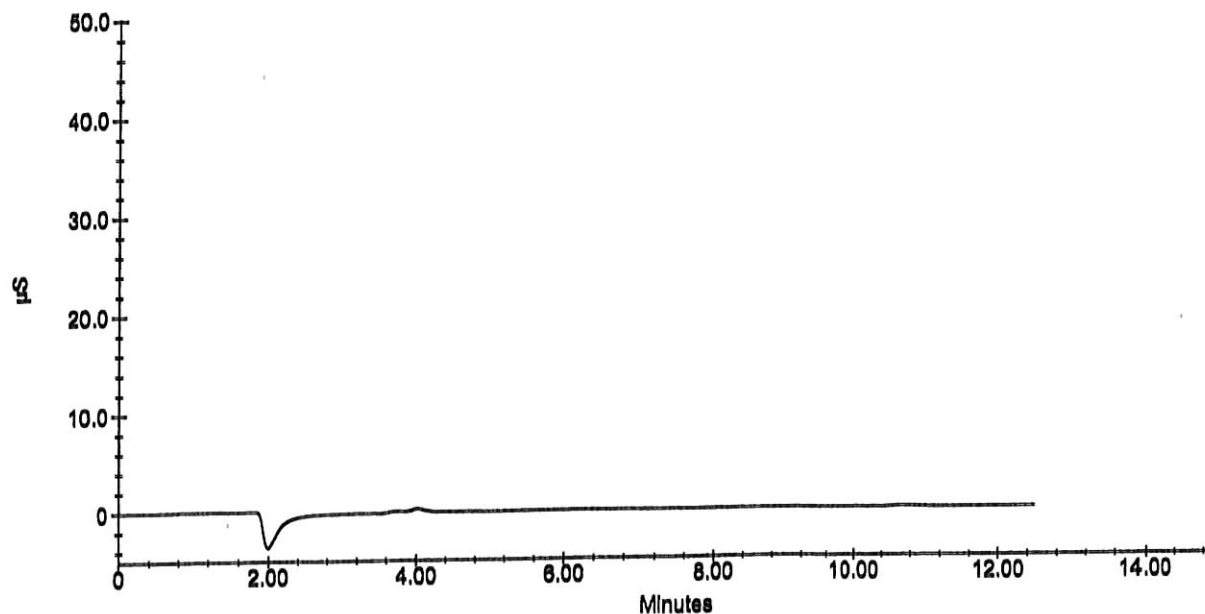
Injection Number : 25

Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
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sulfite 090825 ccb



Sample Analysis Report

Sample Name : sulfite 090825 CCV 25.00PPM

Data File Name : i:\dionex\dlanions\data\090825a\090825a_026.DXD

Method File Name : i:\dionex\dlanions\methods\epasufite 08-25-09low.met

Date Time Collected : 8/25/09 16:24:20

System Operator : PD

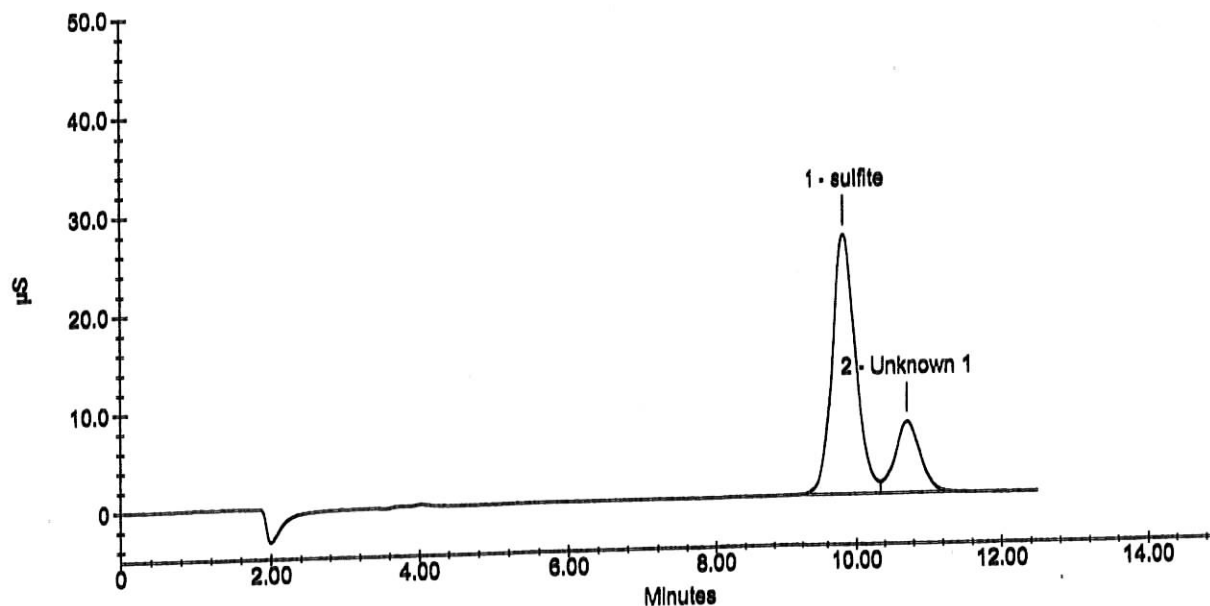
Injection Number : 26

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	23.7365	5991464	262656	
2	10.71	Unknown 1	0.0000	1765324	72128	

sulfite 090825 CCV 25.00PPM



Calibration Update Report

Sample Name : 090928AICAL#1

Data File Name : I:\dionex\d1anions\data\090928a\090928a_009.DXD

Method File Name : ...EPA300 09-28-09Low.met

Calibration Date : 9/28/09 16:00:56

Schedule File Name : ...090928a.sch

System Operator : pd

Date Time Collected : 9/28/09 13:25:27

Injection Number : 9

Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	2.99	fluoride	20480	20480	20480
2	4.04	chloride	284400	284400	284400
3	4.75	nitrite-n	38792	38792	38792
4	5.77	bromide	47912	47912	47912
5	6.69	nitrate-n	143859	143859	143859
6	9.33	phosphate-p	46203	46203	46203
7	10.92	sulfate	176822	176822	176822

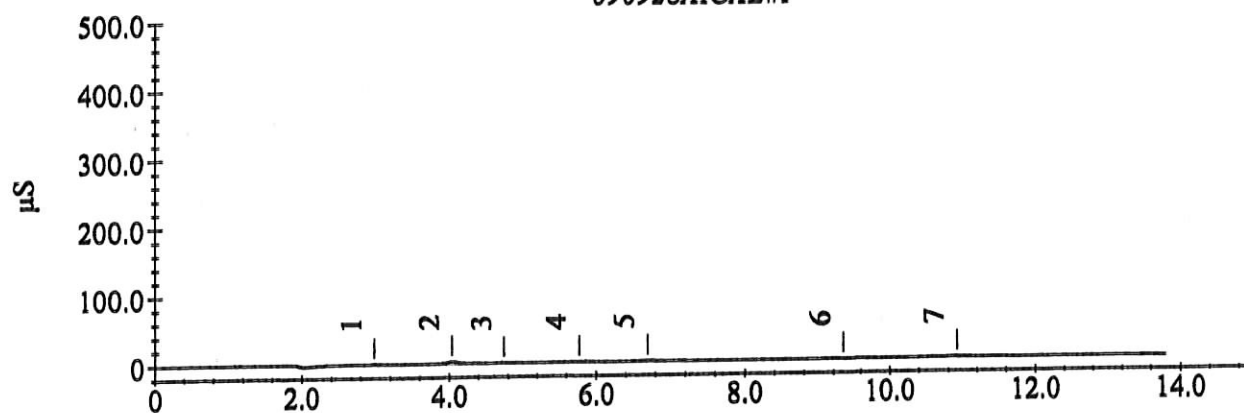
Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	2.99	fluoride	0.05	20480	2910	-
2	4.04	chloride	0.50	284400	25260	-
3	4.75	nitrite-n	0.05	38792	3744	-
4	5.77	bromide	0.25	47912	3771	-
5	6.69	nitrate-n	0.10	143859	7755	-
6	9.33	phosphate-p	0.10	46203	2529	-
7	10.92	sulfate	0.50	176822	7395	-



Sample Name : 090928AICAL#1

090928AICAL#1



Calibration Update Report

Sample Name : 090928AICAL#2

Data File Name : I:\DIONEX\DIANIONS\DATA\090928A\090928A_010.DXD

Method File Name : ...\\EPA300 09-28-09Low.met

Schedule File Name : ...\\090928a.sch

Date Time Collected : 9/28/09 13:42:03

Calibration Date : 9/28/09 16:01:19

System Operator : pd

Injection Number : 10

Peak Information : All Components

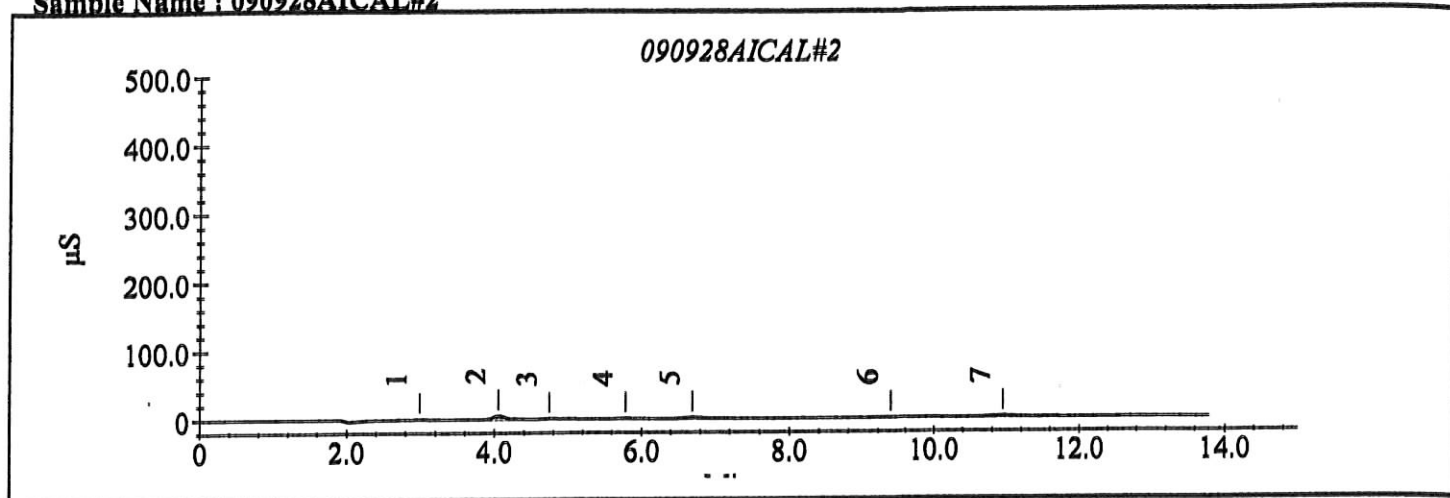
Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	2.99	fluoride	99753	99753	99753
2	4.05	chloride	622431	622431	622431
3	4.75	nitrite-n	87933	87933	87933
4	5.79	bromide	117894	117894	117894
5	6.69	nitrate-n	278624	278624	278624
6	9.37	phosphate-p	114825	114825	114825
7	10.95	sulfate	444510	444510	444510

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	2.99	fluoride	0.10	99753	7798	
2	4.05	chloride	1.00	622431	52202	
3	4.75	nitrite-n	0.10	87933	7999	
4	5.79	bromide	0.50	117894	7870	
5	6.69	nitrate-n	0.20	278624	15615	
6	9.37	phosphate-p	0.20	114825	4568	
7	10.95	sulfate	1.00	444510	15489	



Sample Name : 090928AICAL#2



Calibration Update Report

Sample Name : 090928AICAL#3

Data File Name : i:\dlonex\dlanlons\data\090928a\090928a_011.DXD

Method File Name : ...EPA300 09-28-09Low.met

Calibration Date : 9/28/09 16:01:37

Schedule File Name : ...090928a.sch

System Operator : pd

Date Time Collected : 9/28/09 13:58:40

Injection Number : 11

Peak Information : All Components

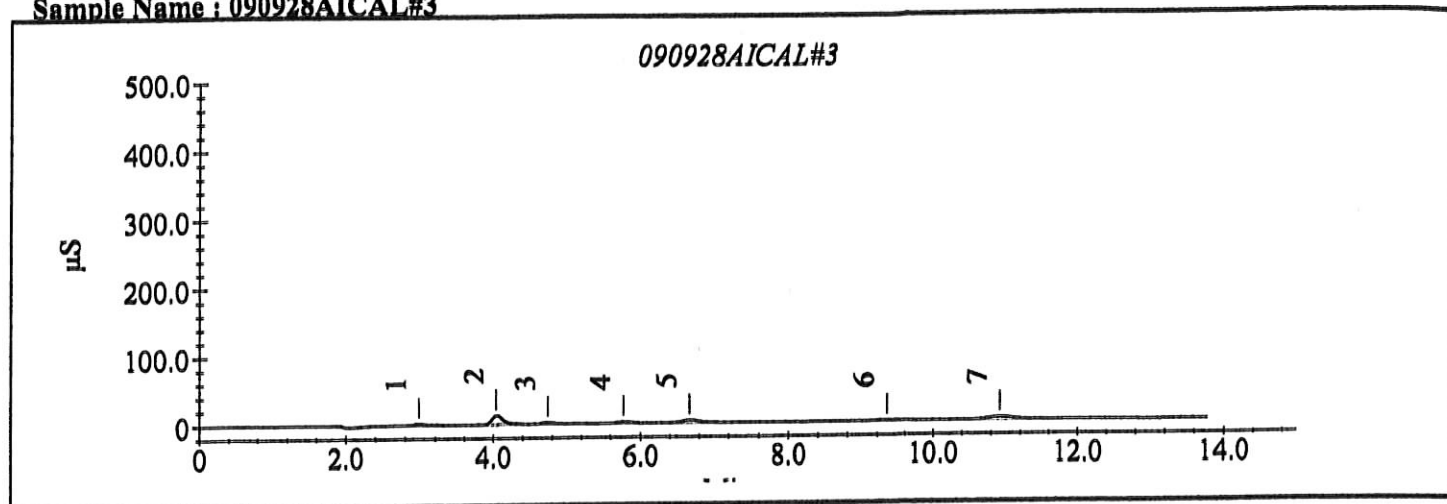
Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	2.99	fluoride	205202	205202	205202
2	4.04	chloride	1492117	1492117	1492117
3	4.75	nitrite-n	303800	303800	303800
4	5.77	bromide	311113	311113	311113
5	6.67	nitrate-n	710516	710516	710516
6	9.33	phosphate-p	375887	375887	375887
7	10.92	sulfate	1158041	1158041	1158041

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	2.99	fluoride	0.25	205202	18748	
2	4.04	chloride	2.50	1492117	130706	
3	4.75	nitrite-n	0.25	303800	22193	
4	5.77	bromide	1.25	311113	20258	
5	6.67	nitrate-n	0.50	710516	39358	
6	9.33	phosphate-p	0.50	375887	12554	
7	10.92	sulfate	2.50	1158041	39225	



Sample Name : 090928AICAL#3



Calibration Update Report

Sample Name : 090928AICAL#4

Data File Name : I:\dlonex\dlanions\data\090928a\090928a_012.DXD

Method File Name : ...EPA300 09-28-09Low.met

Calibration Date : 9/28/09 16:01:55

Schedule File Name : ...090928a.sch

System Operator : pd

Date Time Collected : 9/28/09 14:15:18

Injection Number : 12

Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	2.99	fluoride	425345	425345	425345
2	4.05	chloride	3013976	3013976	3013976
3	4.75	nitrite-n	608470	608470	608470
4	5.77	bromide	630771	630771	630771
5	6.67	nitrate-n	1440523	1440523	1440523
6	9.35	phosphate-p	692515	692515	692515
7	10.93	sulfate	2271129	2271129	2271129

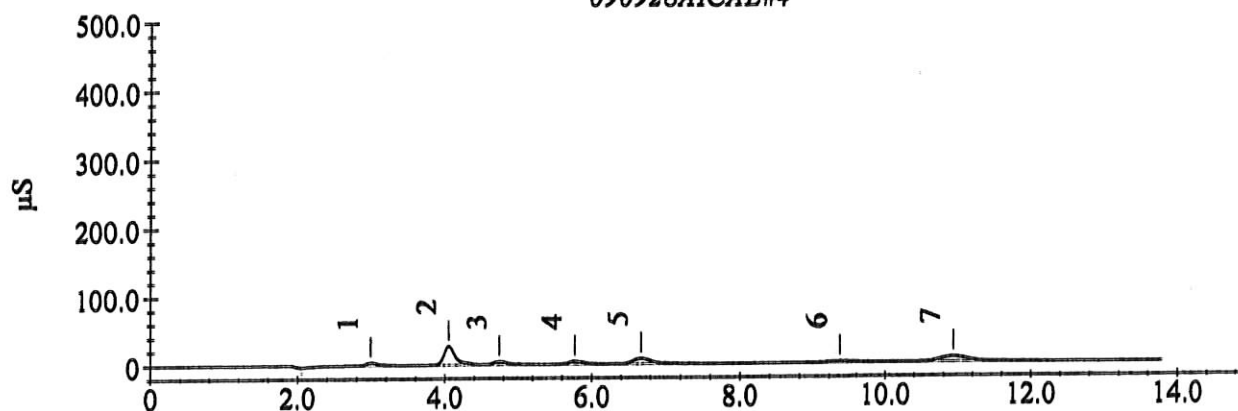
Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	2.99	fluoride	0.50	425345	38091	
2	4.05	chloride	5.00	3013976	269269	
3	4.75	nitrite-n	0.50	608470	44542	
4	5.77	bromide	2.50	630771	40835	
5	6.67	nitrate-n	1.00	1440523	79337	
6	9.35	phosphate-p	1.00	692515	23357	
7	10.93	sulfate	5.00	2271129	76849	



Sample Name : 090928AICAL#4

090928AICAL#4



Calibration Update Report

Sample Name : 090928AICAL#5

Data File Name : I:\dionex\dlanions\data\090928a\090928a_013.DXD

Method File Name : ...EPA300 09-28-09Low.met

Calibration Date : 9/28/09 16:02:13

Schedule File Name : ...090928a.sch

System Operator : pd

Date Time Collected : 9/28/09 14:31:53

Injection Number : 13

Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	2.99	fluoride	897543	897543	897543
2	4.05	chloride	6440658	6440658	6440658
3	4.73	nitrite-n	1284469	1284469	1284469
4	5.77	bromide	1290198	1290198	1290198
5	6.64	nitrate-n	2948679	2948679	2948679
6	9.33	phosphate-p	1357446	1357446	1357446
7	10.92	sulfate	4624374	4624374	4624374

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	2.99	fluoride	1.00	897543	80726	
2	4.05	chloride	10.00	6440658	587457	
3	4.73	nitrite-n	1.00	1284469	91028	
4	5.77	bromide	5.00	1290198	84341	
5	6.64	nitrate-n	2.00	2948679	163374	
6	9.33	phosphate-p	2.00	1357446	46181	
7	10.92	sulfate	10.00	4624374	158181	



Calibration Update Report

Sample Name : 090928AICAL#6

Data File Name : I:\dionex\dlanions\data\090928a\090928a_014.DXD

Method File Name : ...EPA300 09-28-09Low.met

Calibration Date : 9/28/09 16:02:31

Schedule File Name : ...090928a.sch

System Operator : pd

Date Time Collected : 9/28/09 14:48:32

Injection Number : 14

Peak Information : All Components

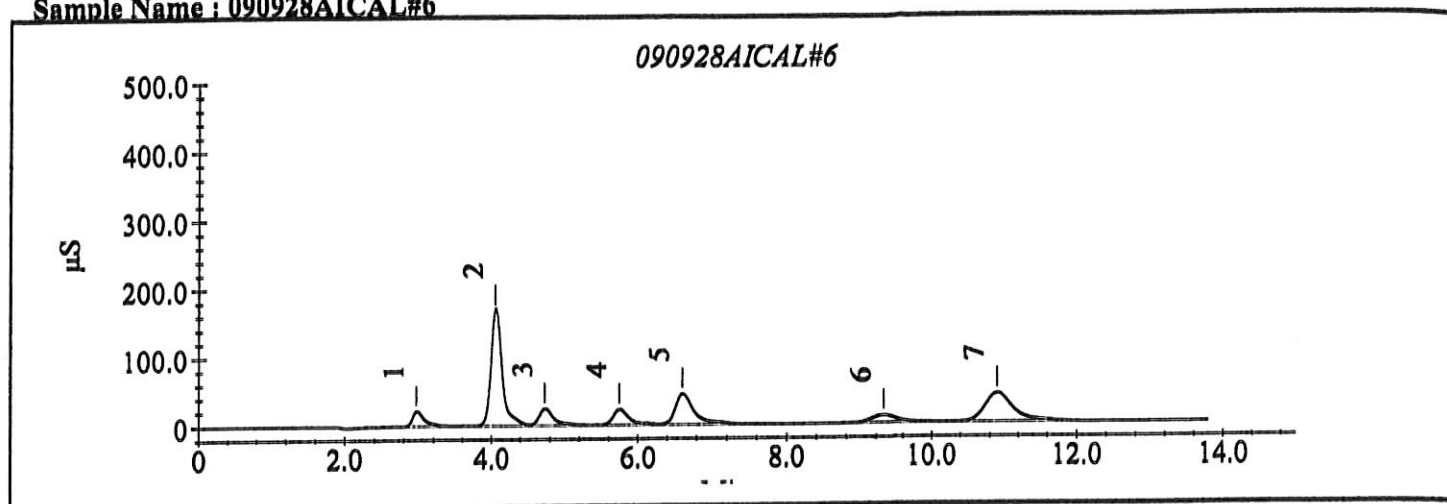
Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	2.97	fluoride	2493520	2493520	2493520
2	4.05	chloride	18241881	18241881	18241881
3	4.73	nitrite-n	3470087	3470087	3470087
4	5.75	bromide	3457178	3457178	3457178
5	6.60	nitrate-n	7905563	7905563	7905563
6	9.31	phosphate-p	3129437	3129437	3129437
7	10.89	sulfate	12149292	12149292	12149292

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	2.97	fluoride	2.50	2493520	215212	
2	4.05	chloride	25.00	18241881	1684008	
3	4.73	nitrite-n	2.50	3470087	245078	
4	5.75	bromide	12.50	3457178	224292	
5	6.60	nitrate-n	5.00	7905563	443698	
6	9.31	phosphate-p	5.00	3129437	111955	
7	10.89	sulfate	25.00	12149292	421817	



Sample Name : 090928AICAL#6



Calibration Update Report

Sample Name : 090928AICAL#7

Data File Name : I:\dionex\dlanions\data\090928a\090928a_016.DXD

Method File Name : ...EPA300 09-28-09Low.met

Calibration Date : 9/28/09 16:02:50

Schedule File Name : ...090928a.sch

System Operator : pd

Date Time Collected : 9/28/09 15:21:30

Injection Number : 16

Peak Information : All Components

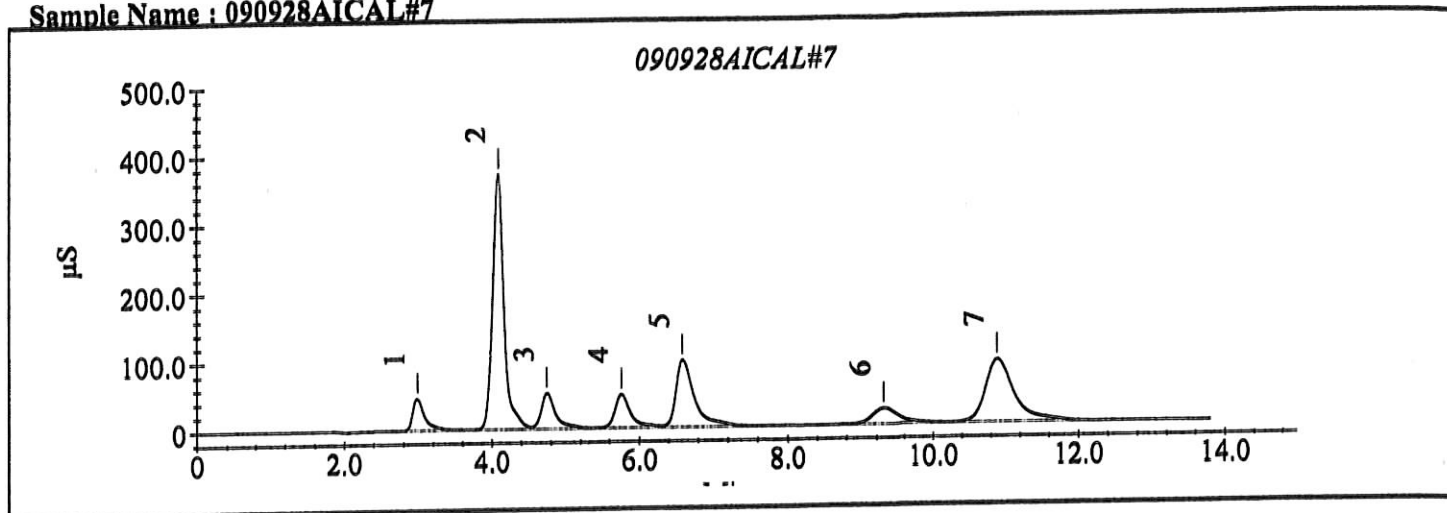
Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	2.99	fluoride	5247527	5247527	5247527
2	4.09	chloride	40194724	40194724	40194724
3	4.75	nitrite-n	7116628	7116628	7116628
4	5.76	bromide	7200873	7200873	7200873
5	6.59	nitrate-n	17044272	17044272	17044272
6	9.29	phosphate-p	6130484	6130484	6130484
7	10.88	sulfate	25844640	25844640	25844640

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	2.99	fluoride	5.00	5247527	459736	
2	4.09	chloride	50.00	40194724	3715258	
3	4.75	nitrite-n	5.00	7116628	515887	
4	5.76	bromide	25.00	7200873	485256	
5	6.59	nitrate-n	10.00	17044272	973340	
6	9.29	phosphate-p	10.00	6130484	227677	
7	10.88	sulfate	50.00	25844640	917076	



Sample Name : 090928AICAL#7



Sample Analysis Report

Sample Name : 090928A ICV

Data File Name : i:\dionex\dlanions\data\090928a\090928a_019.DXD

Method File Name : i:\dionex\dlanions\methods\epa300 09-28-09low.met

Date Time Collected : 9/28/09 16:22:03

System Operator : pd

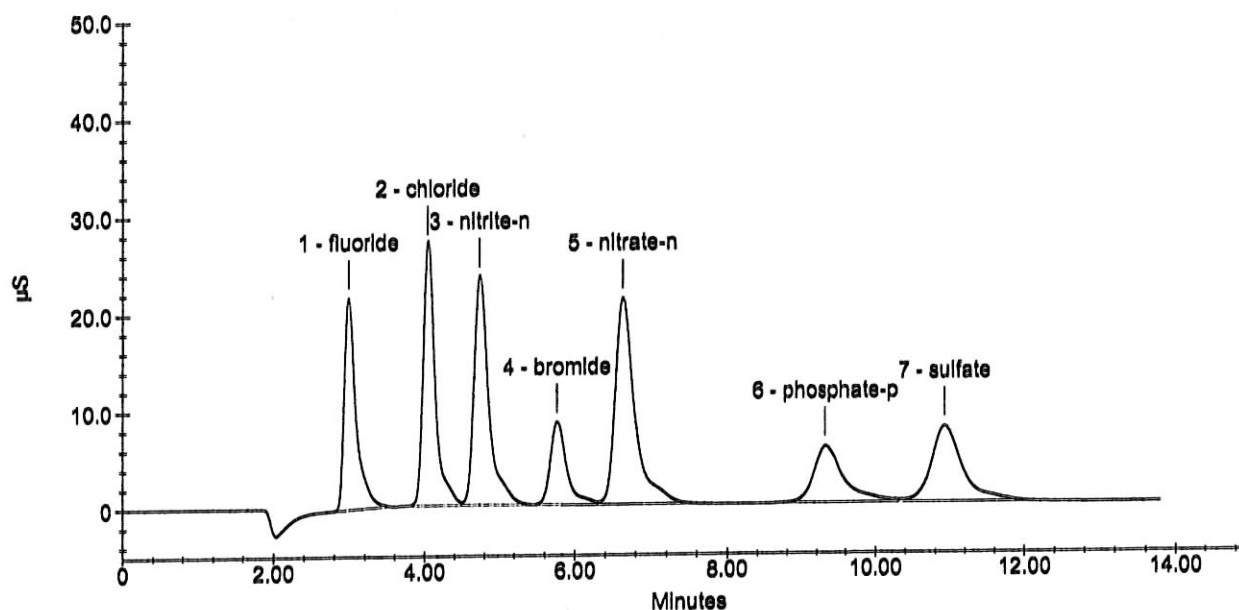
Injection Number : 19

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	2.3167	2369062	216902	
2	4.04	chloride	4.6936	2992902	267662	
3	4.73	nitrite-n	2.2861	3196558	234155	
4	5.76	bromide	4.6470	1267767	84577	
5	6.63	nitrate-n	2.3412	3765662	211324	
6	9.32	phosphate-p	2.6666	1680699	57971	
7	10.93	sulfate	4.9560	2287815	77747	

090928A ICV



Sample Analysis Report

Sample Name : 090928A ICB

Data File Name : i:\dionex\dlanions\data\090928a\090928a_020.DXD

Method File Name : i:\dionex\dlanions\methods\epa300 09-28-09low.met

Date Time Collected : 9/28/09 16:38:39

System Operator : pd

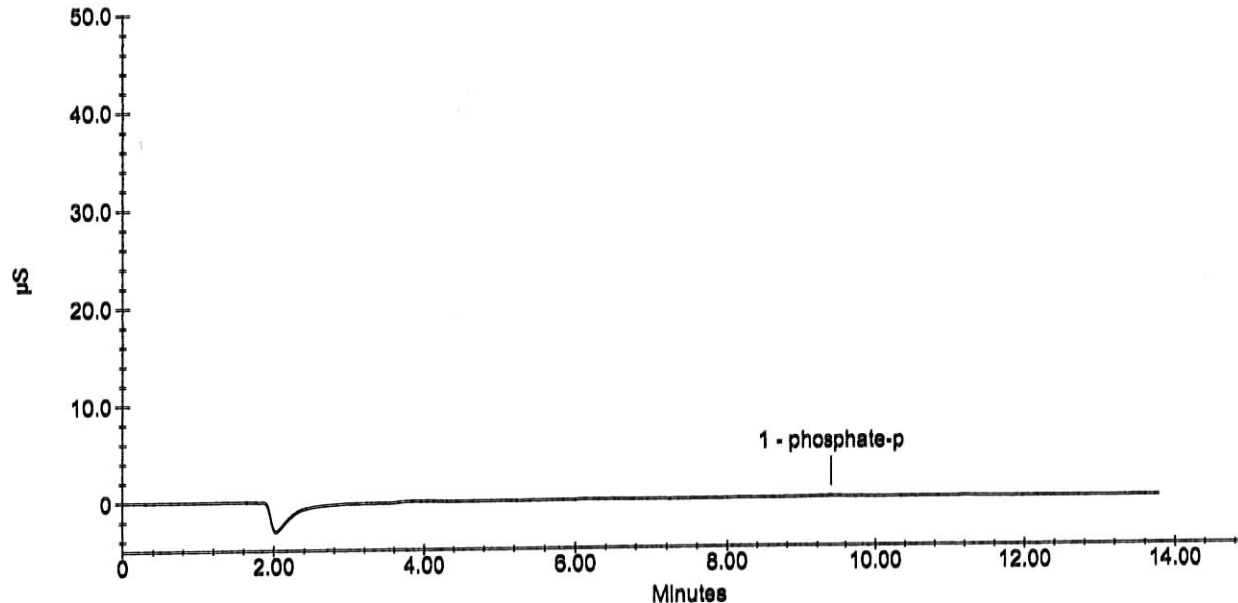
Injection Number : 20

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	9.40	phosphate-p	-0.0642	11369	630	-

090928A ICB



Sample Analysis Report

Sample Name : 090928A CCV

Data File Name : i:\dionex\dlanions\data\090928a\090928a_021.DXD

Method File Name : i:\dionex\dlanions\methods\epa300 09-28-09low.met

Date Time Collected : 9/28/09 16:55:03

System Operator : pd

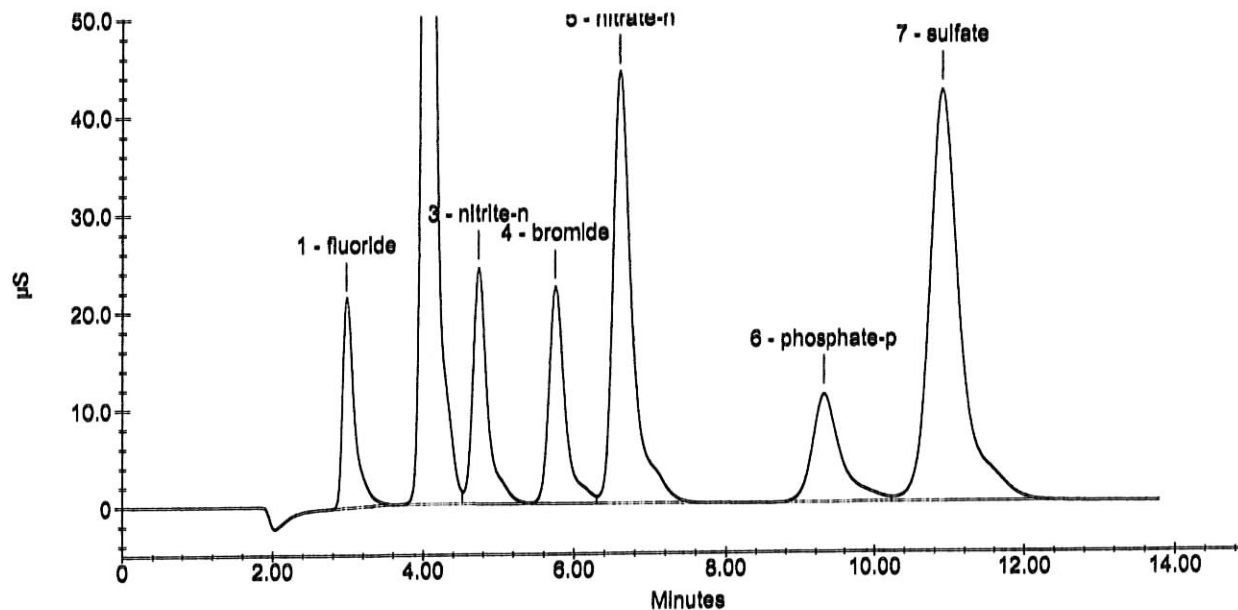
Injection Number : 21

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	2.97	fluoride	2.3581	2412684	212275	
2	4.07	chloride	23.2760	17987691	1694035	
3	4.73	nitrite-n	2.3586	3300612	240153	
4	5.75	bromide	11.7375	3316659	220490	
5	6.60	nitrate-n	4.6943	7778246	439324	
6	9.31	phosphate-p	4.9437	3072720	110367	
7	10.91	sulfate	23.8454	12051083	419931	

090928A CCV



Sample Analysis Report

Sample Name : 090928A CCB

Data File Name : i:\dionex\dlanions\data\090928a\090928a_022.DXD

Method File Name : i:\dionex\dlanions\methods\epa300 09-28-09low.met

Date Time Collected : 9/28/09 17:11:38

System Operator : pd

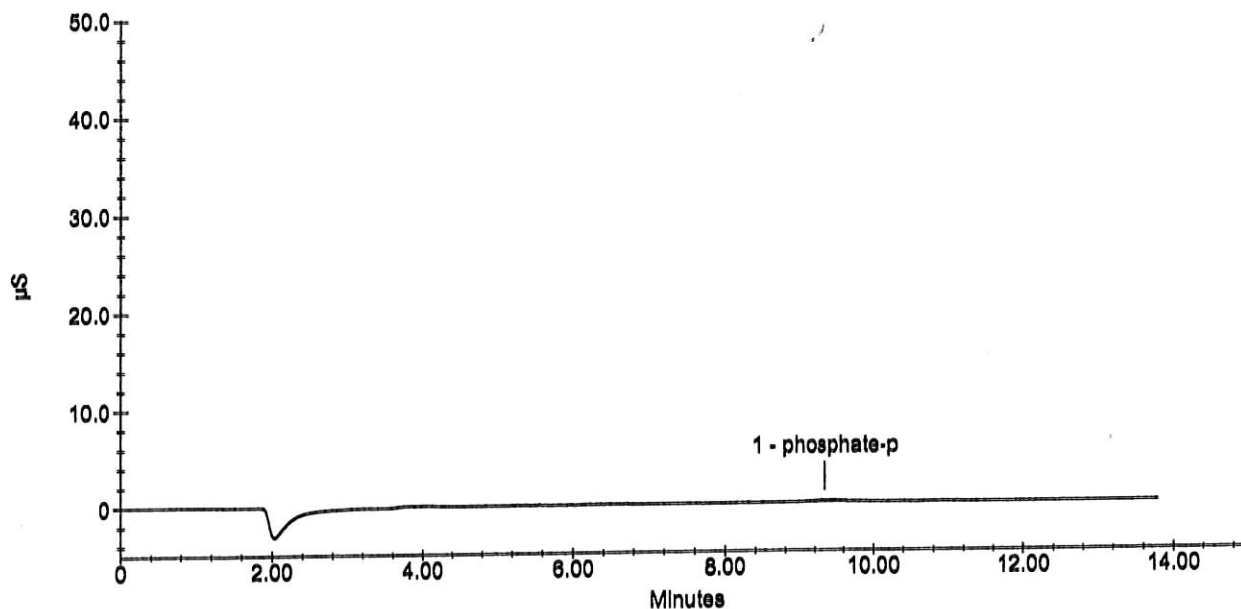
Injection Number : 22

Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	9.35	phosphate-p	-0.0545	17327	946	-

090928A CCB



Sample Analysis Report

Sample Name : 091012A 300 CCV

Data File Name : i:\dionex\d1anions\data\091012a\091012A_002.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/12/09 08:30:33

System Operator : PD

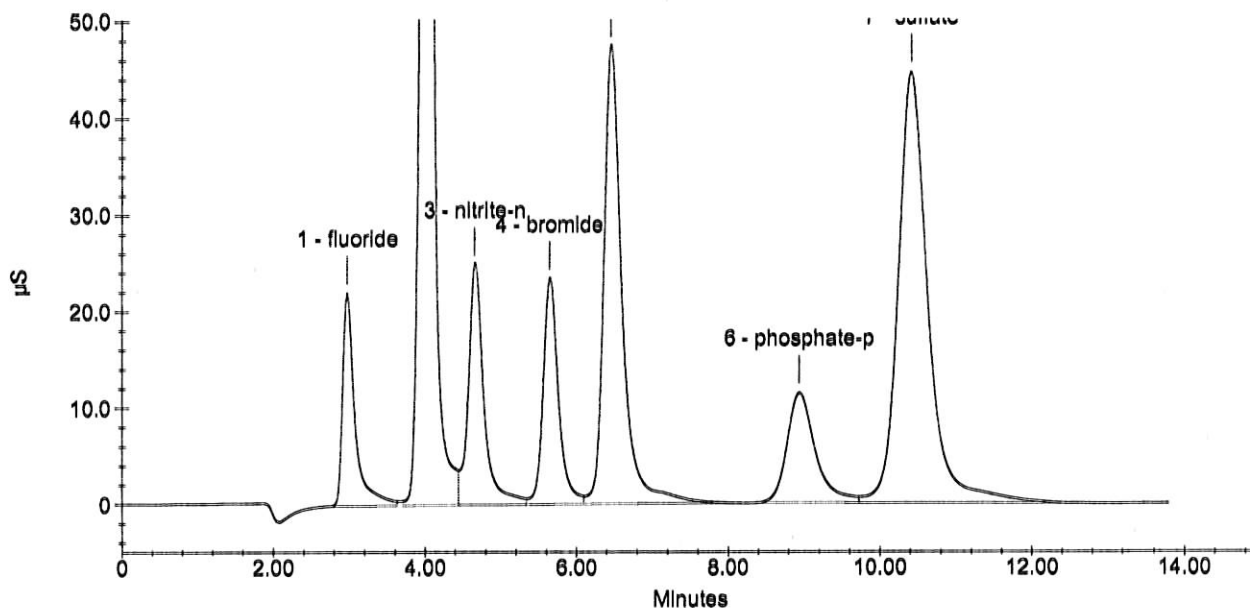
Injection Number : 2

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	2.97	fluoride	2.4336	2492407	219807	
2	4.01	chloride	22.9585	17731502	1747605	
3	4.65	nitrite-n	2.5293	3545300	248192	
4	5.64	bromide	11.7008	3306071	232939	
5	6.45	nitrate-n	4.8150	7984110	472783	
6	8.93	phosphate-p	4.7071	2928065	113373	
7	10.41	sulfate	23.9075	12083137	445427	

091012A 300 CCV



Sample Analysis Report

Sample Name : 091012A SULFITE CCV

Data File Name : i:\dionex\d1anions\data\091012a\091012A_004.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/12/09 09:04:48

System Operator : PD

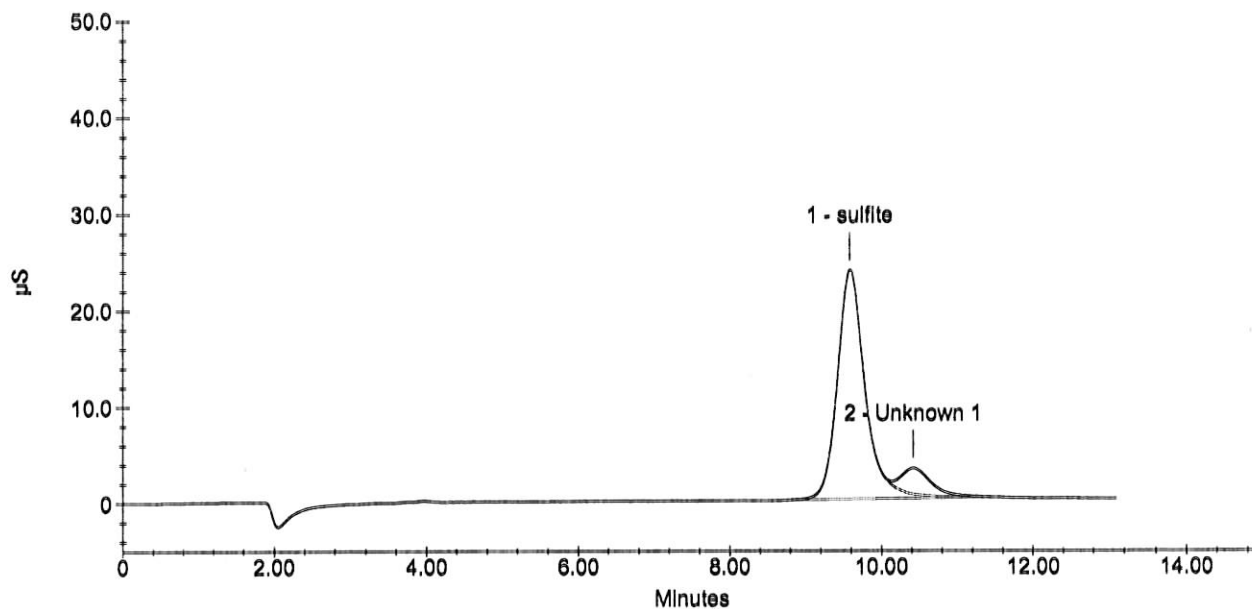
Injection Number : 4

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	9.57	sulfite	24.8863	6053514	236952	
2	10.41	Unknown 1	0.0000	733640	26964	

091012A SULFITE CCV



Sample Analysis Report

Sample Name : 091012A 300/SULFITE CCB

Data File Name : i:\dionex\d1anions\data\091012a\091012A_006.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/12/09 09:36:17

System Operator : PD

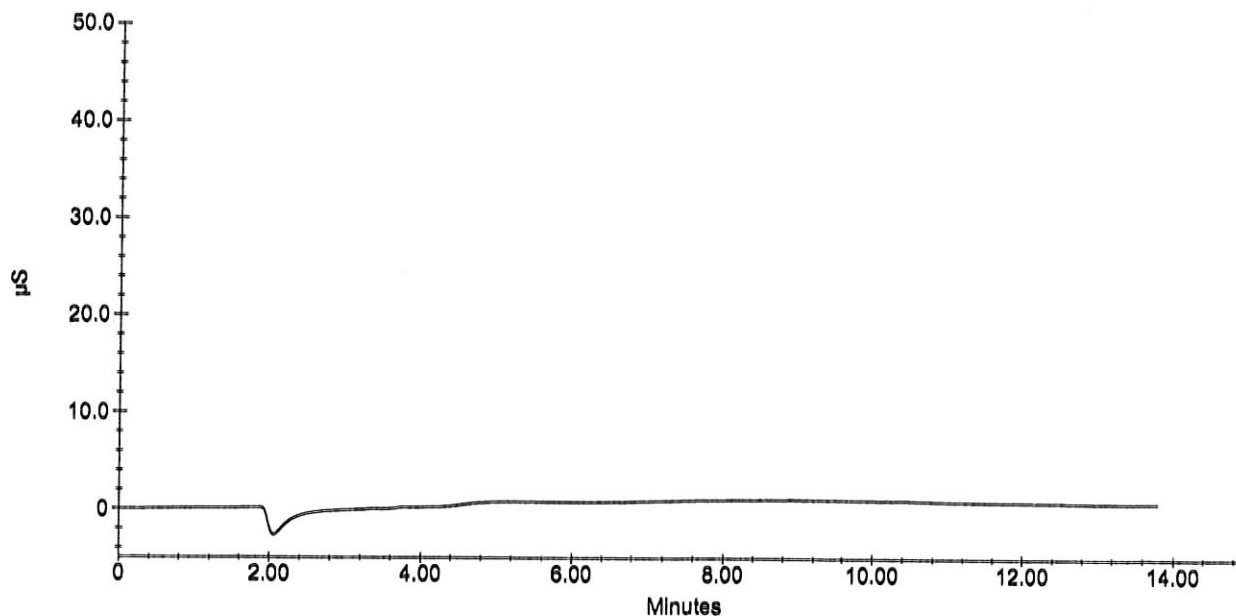
Injection Number : 6

Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
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091012A 300/SULFITE CCB



Sample Analysis Report

Sample Name : 091012A 300/SULFITE CCB

Data File Name : i:\dionex\d1anions\data\091012a\091012A_006.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/12/09 09:36:17

System Operator : PD

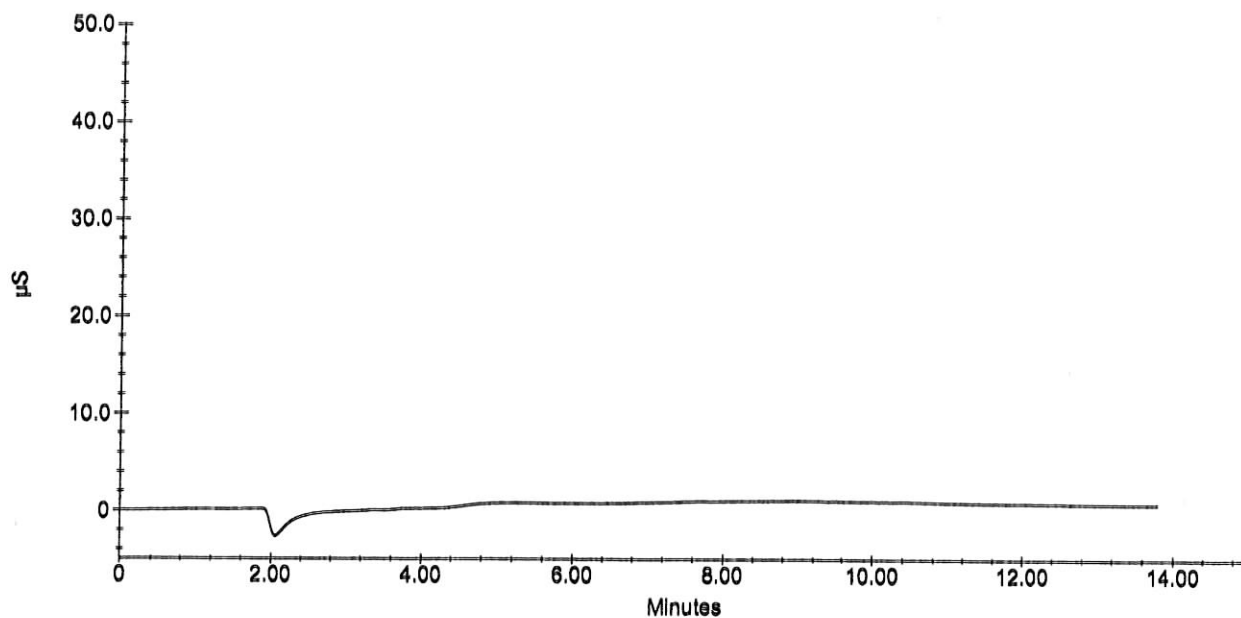
Injection Number : 6

Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
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091012A 300/SULFITE CCB



Sample Analysis Report

Sample Name : 091012A SULFITE CCV

Data File Name : i:\dionex\dlanions\data\091012a\091012A_018.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/12/09 12:56:10

System Operator : PD

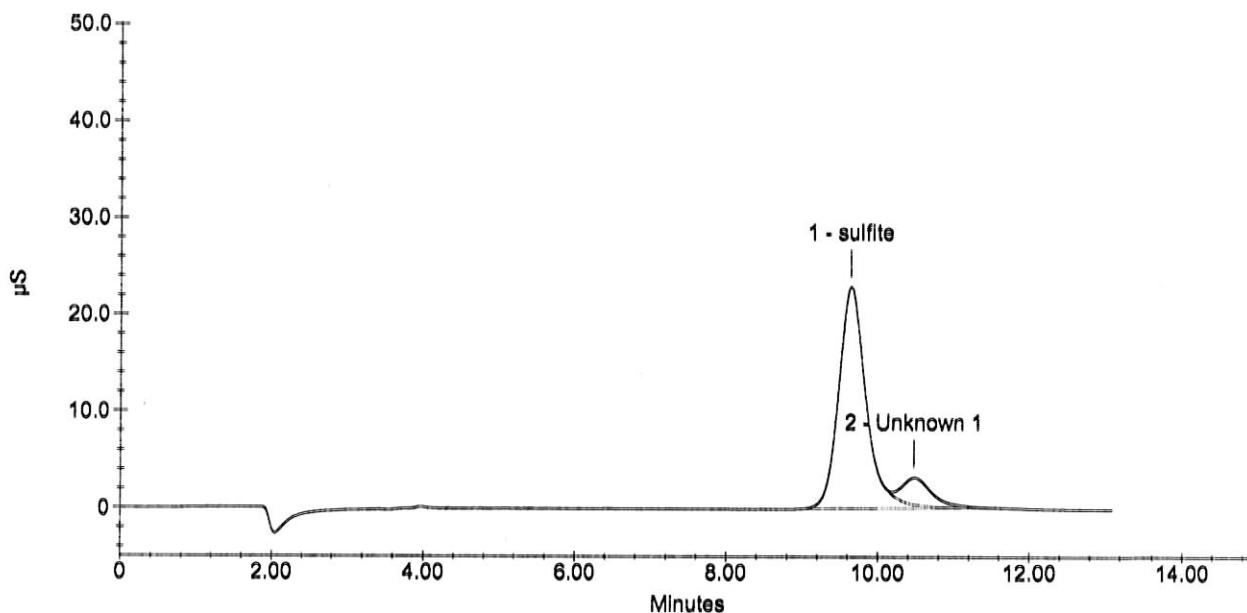
Injection Number : 18

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	9.63	sulfite	23.7723	5783319	227741	
2	10.47	Unknown 1	0.0000	762209	27635	

091012A SULFITE CCV



Sample Analysis Report

Sample Name : 091012A 300 CCV

Data File Name : i:\dionex\d1anions\data\091012a\091012A_019.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/12/09 13:11:50

System Operator : PD

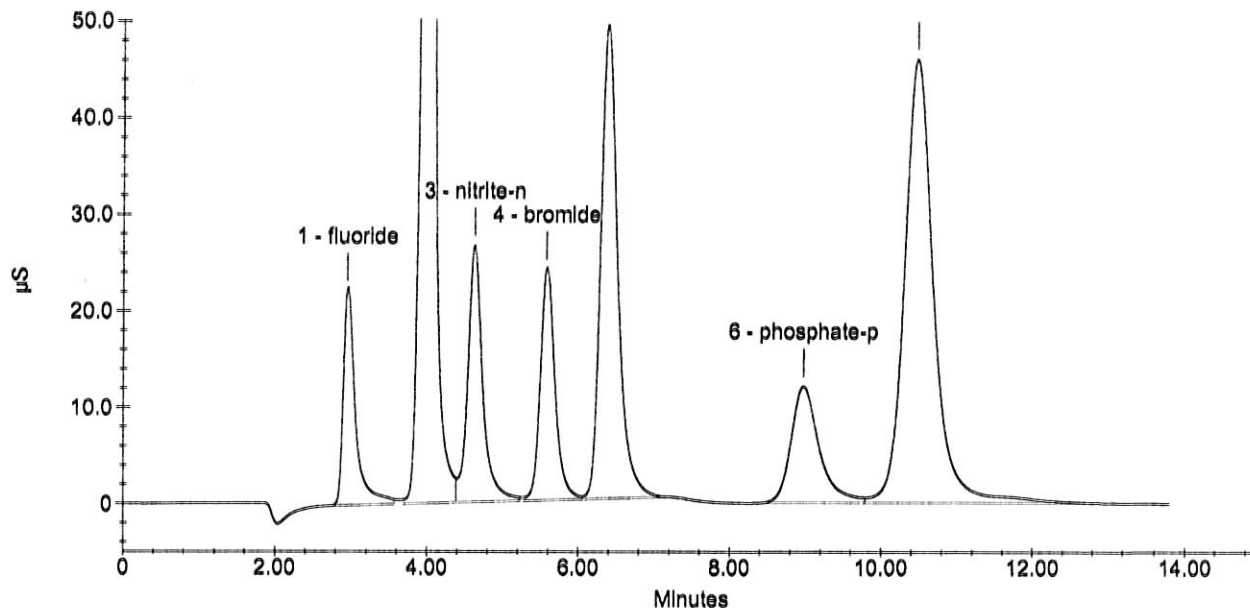
Injection Number : 19

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	2.95	fluoride	2.4284	2486912	222054	
2	3.99	chloride	23.4779	18150641	1800707	
3	4.63	nitrite-n	2.5693	3602594	265242	
4	5.57	bromide	11.5026	3248789	238631	
5	6.37	nitrate-n	4.6107	7635602	488005	
6	8.97	phosphate-p	5.0052	3110271	120330	
7	10.47	sulfate	24.3228	12297823	458367	

091012A 300 CCV



Sample Analysis Report

Sample Name : 091012A 300/SULFITE CCB

Data File Name : i:\dionex\dlanions\data\091012a\091012A_020.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/12/09 13:28:25

System Operator : PD

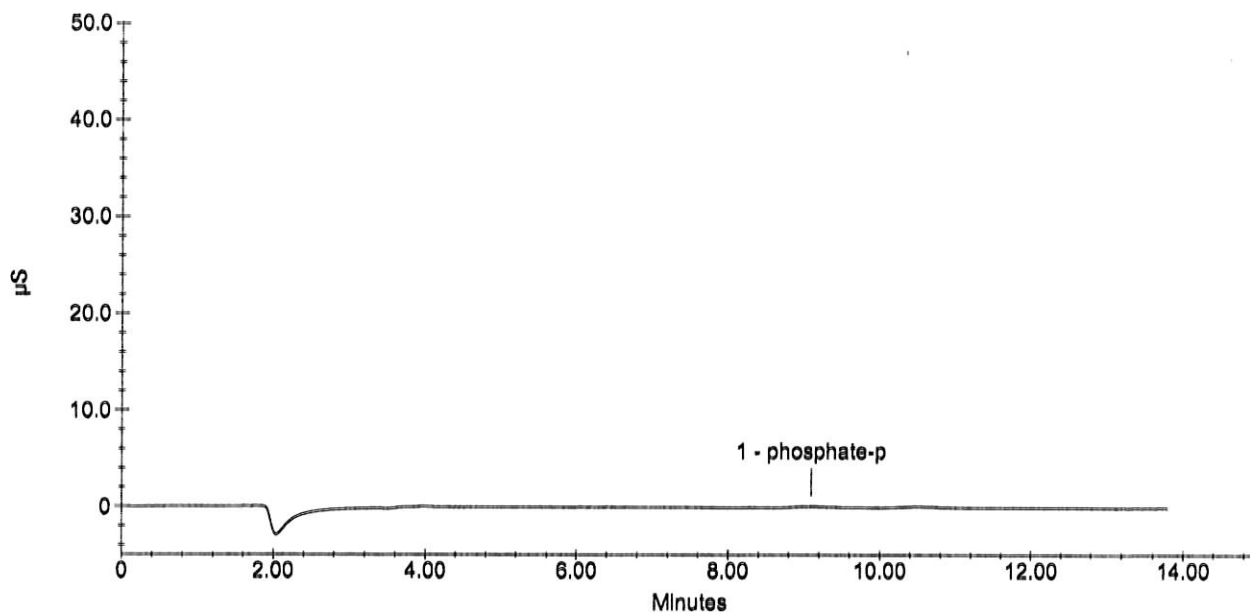
Injection Number : 20

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	9.09	phosphate-p	-0.0531	18198	956	-

091012A 300/SULFITE CCB



Sample Analysis Report

Sample Name : 091012A 300/SULFITE CCB

Data File Name : i:\dionex\d1anions\data\091012a\091012A_020.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/12/09 13:28:25

System Operator : PD

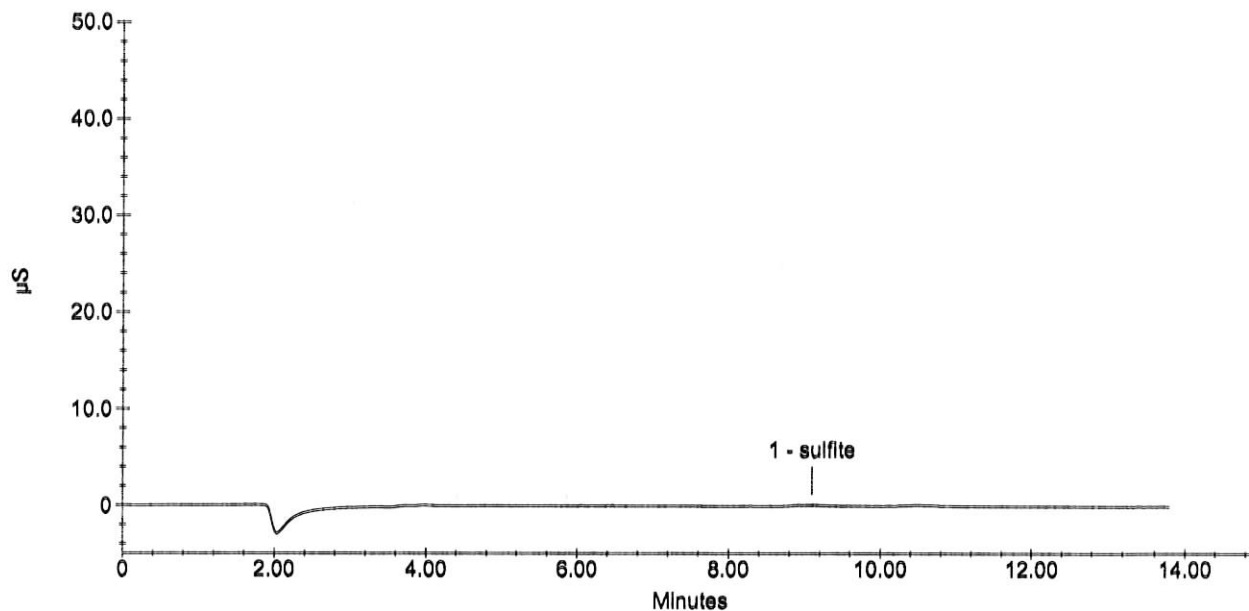
Injection Number : 20

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	2.09 Not Retention time for SO3	sulfite	N.D 0.0027 P.D 10/19/09	18198	956	-

091012A 300/SULFITE CCB



Sample Analysis Report

Sample Name : 091012A SULFITE CCV

Data File Name : i:\dionex\dlanions\data\091012a\091012A_031.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/12/09 16:39:12

System Operator : PD

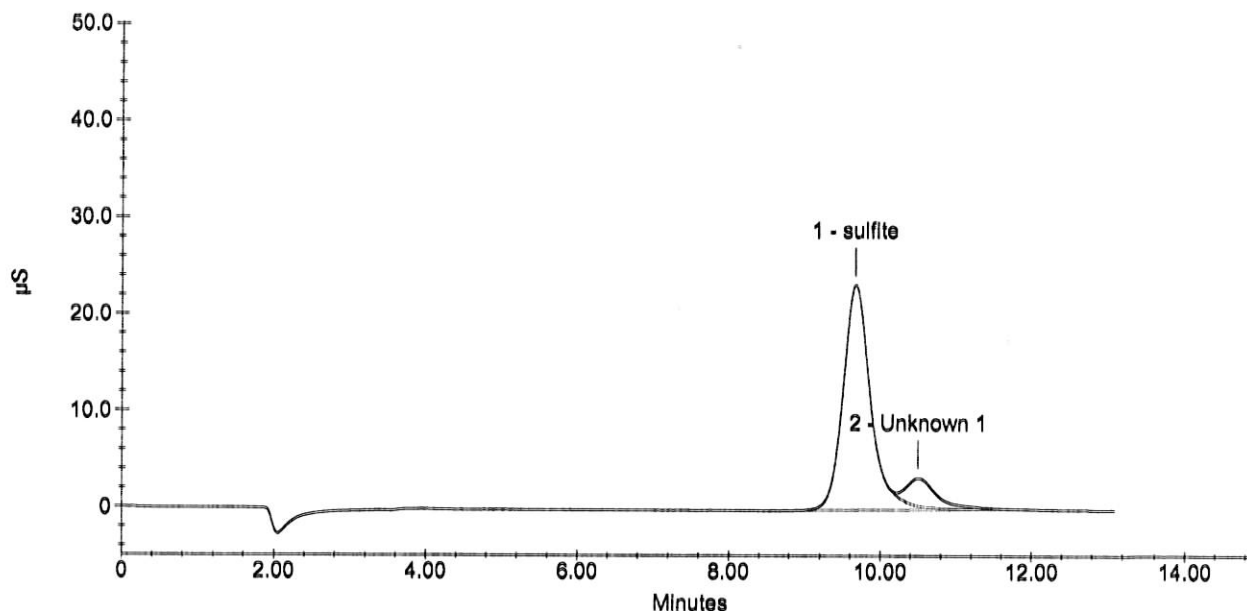
Injection Number : 31

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	9.65	sulfite	24.4036	5936437	231600	
2	10.49	Unknown 1	0.0000	823934	28494	

091012A SULFITE CCV



Sample Analysis Report

Sample Name : 091012A 300 CCV

Data File Name : i:\dionex\dlanions\data\091012a\091012A_035.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/12/09 17:44:38

System Operator : PD

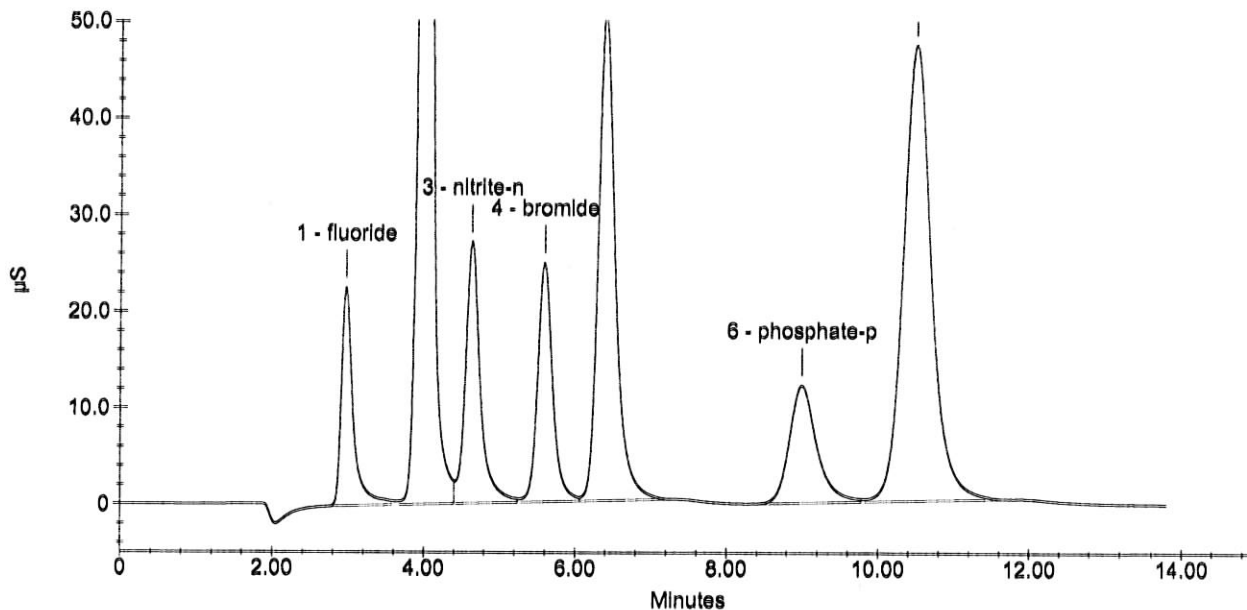
Injection Number : 35

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	2.96	fluoride	2.3993	2456188	225634	
2	3.99	chloride	23.9868	18561325	1817200	
3	4.63	nitrite-n	2.6281	3686867	269907	
4	5.59	bromide	12.0003	3392606	247067	
5	6.37	nitrate-n	4.7924	7945426	499121	
6	8.99	phosphate-p	4.9105	3052423	121568	
7	10.48	sulfate	23.9849	12123156	470703	

091012A 300 CCV



Sample Analysis Report

Sample Name : 091012A 300/SULFITE CCB

Data File Name : i:\dionex\d1anions\data\091012a\091012A_036.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/12/09 18:01:14

System Operator : PD

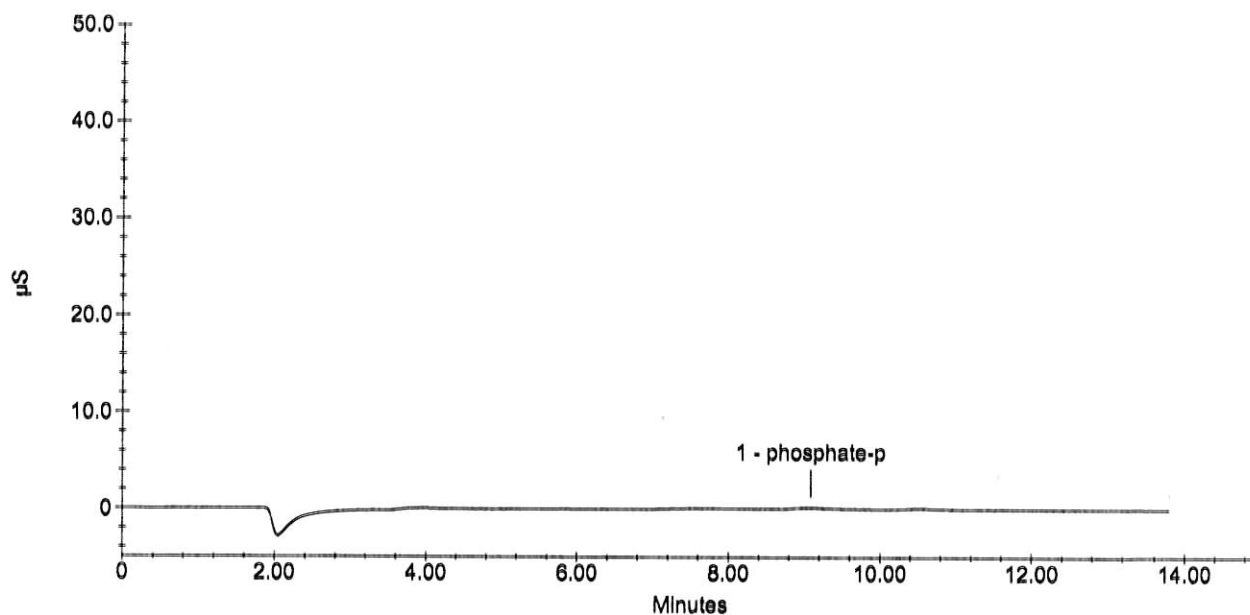
Injection Number : 36

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	9.08	phosphate-p	-0.0605	13648	821	-

091012A 300/SULFITE CCB



Sample Analysis Report

Sample Name : 091012A 300/SULFITE CCB

Data File Name : i:\dionex\d1anions\data\091012a\091012A_036.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/12/09 18:01:14

System Operator : PD

Injection Number : 36

Multiplier : 1.00

Peak Information : All Peaks

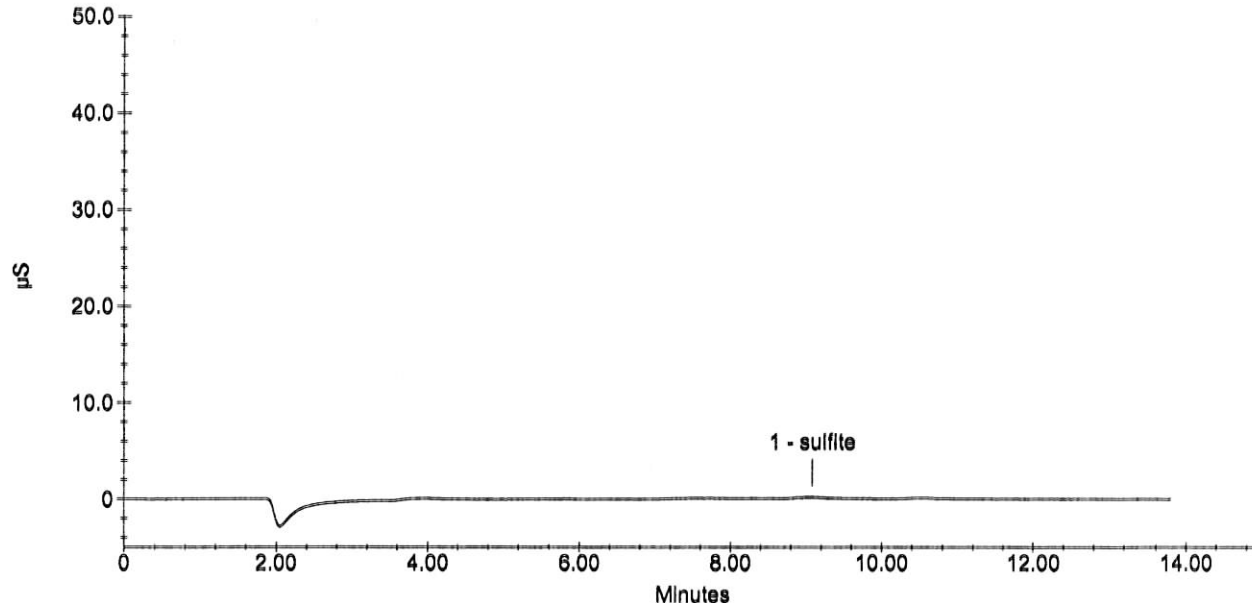
Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
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1	2.08	sulfite	-0.0160	13648	821	-
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Wrong Retention time for SO3

9-0 10/19/09

091012A 300/SULFITE CCB



Sample Analysis Report

Sample Name : 091013A 300 CCV

Data File Name : i:\dionex\dlanions\data\091013a\091013a_002.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/13/09 08:41:49

System Operator : PD

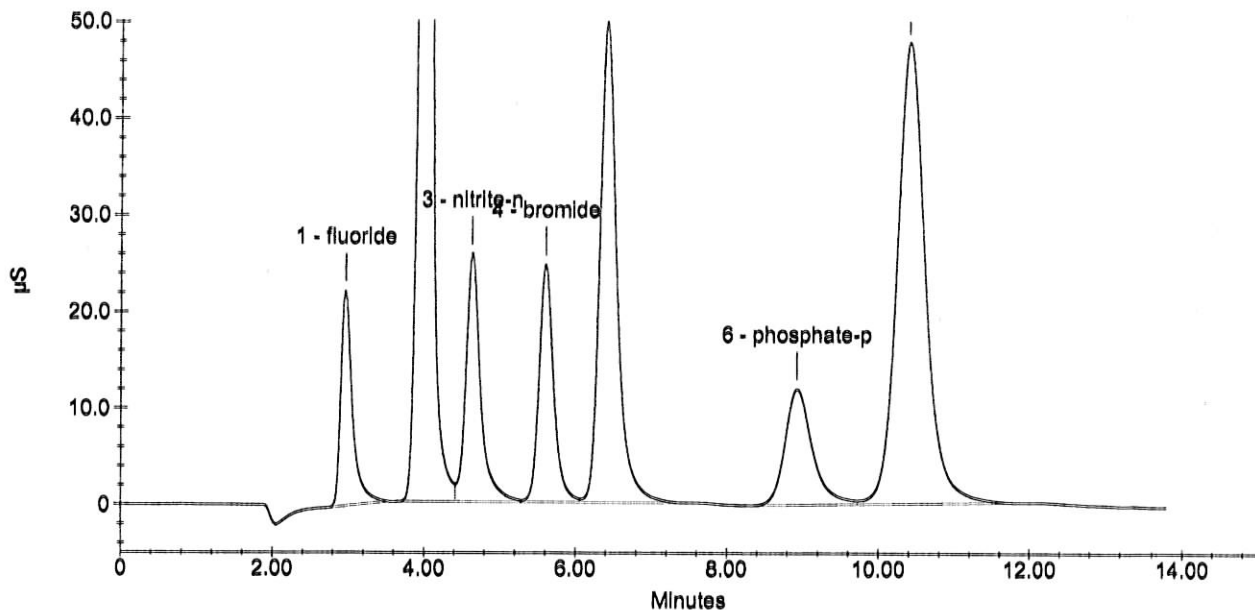
Injection Number : 2

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	2.96	fluoride	2.3008	2352233	222289	
2	3.99	chloride	23.5409	18201489	1811877	
3	4.63	nitrite-n	2.4691	3458962	255835	
4	5.60	bromide	11.7103	3308790	245532	
5	6.40	nitrate-n	4.7590	7888461	496730	
6	8.92	phosphate-p	4.8411	3009988	119410	
7	10.39	sulfate	24.3810	12327912	476193	

091013A 300 CCV



Sample Analysis Report

Sample Name : 091013A SULFITE CCV

Data File Name : i:\dionex\d1anions\data\091013a\091013a_004.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/13/09 09:15:08

System Operator : PD

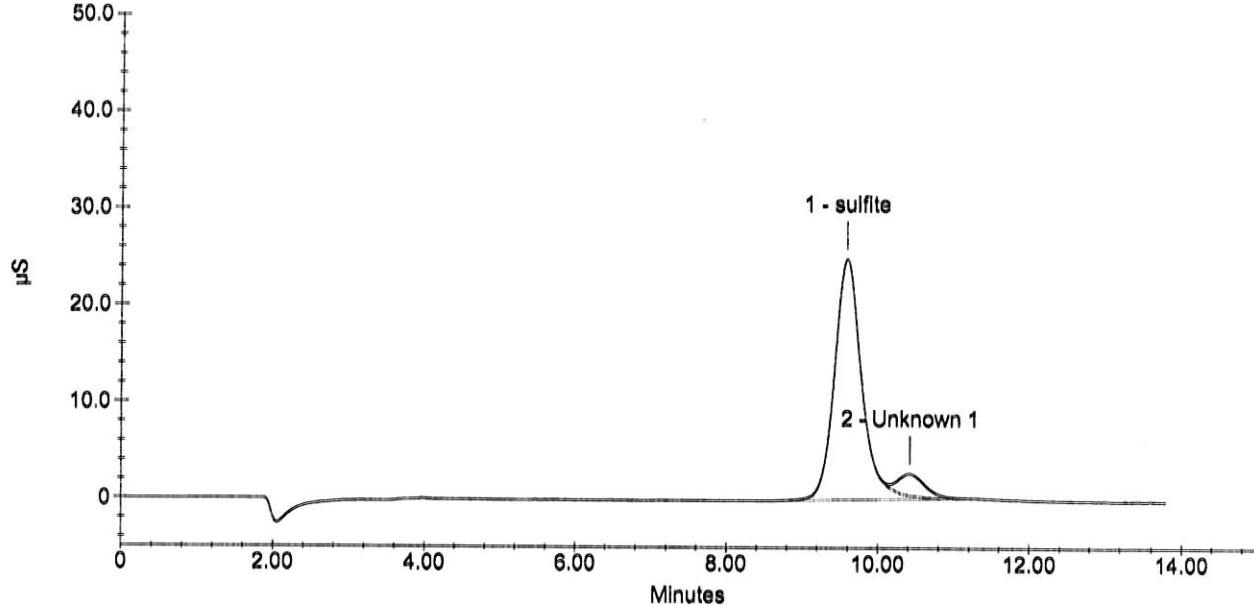
Injection Number : 4

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	9.57	sulfite	25.7079	6252786	248254	
2	10.41	Unknown 1	0.0000	556758	22540	

091013A SULFITE CCV



Sample Analysis Report

Sample Name : 091013A 300SULFITE CCB

Data File Name : i:\dionex\dlanions\data\091013a\091013a_006.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/13/09 09:47:15

System Operator : PD

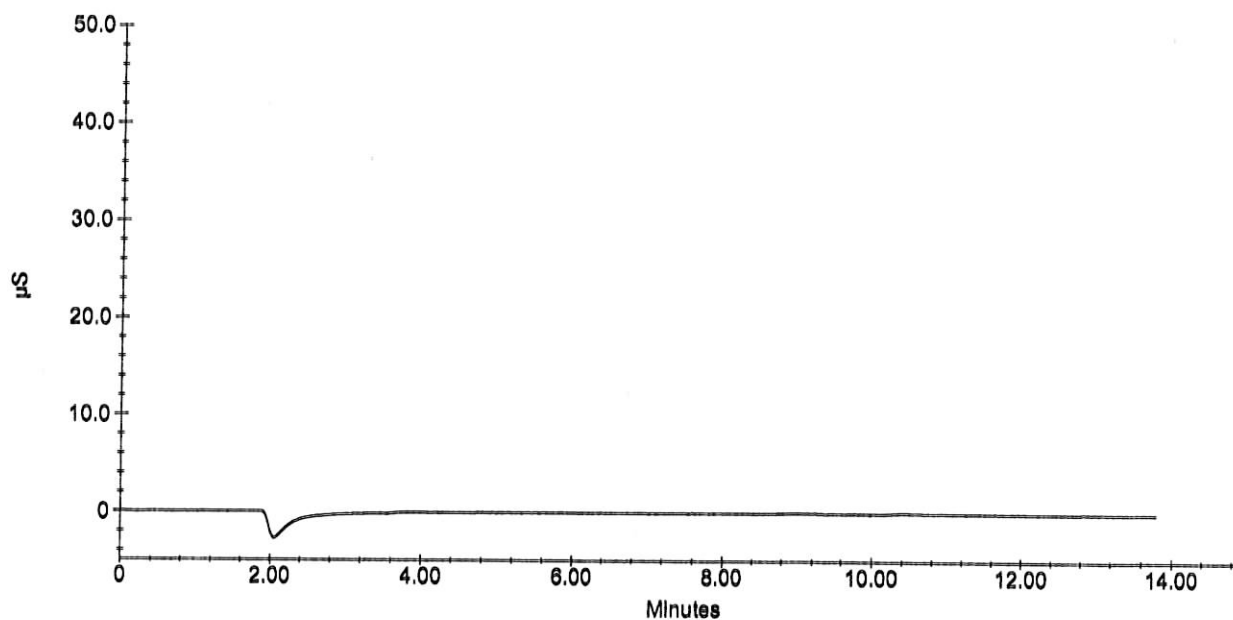
Injection Number : 6

Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
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091013A 300SULFITE CCB



Sample Analysis Report

Sample Name : 091013A 300SULFITE CCB

Data File Name : i:\dionex\dlanions\data\091013a\091013a_006.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/13/09 09:47:15

System Operator : PD

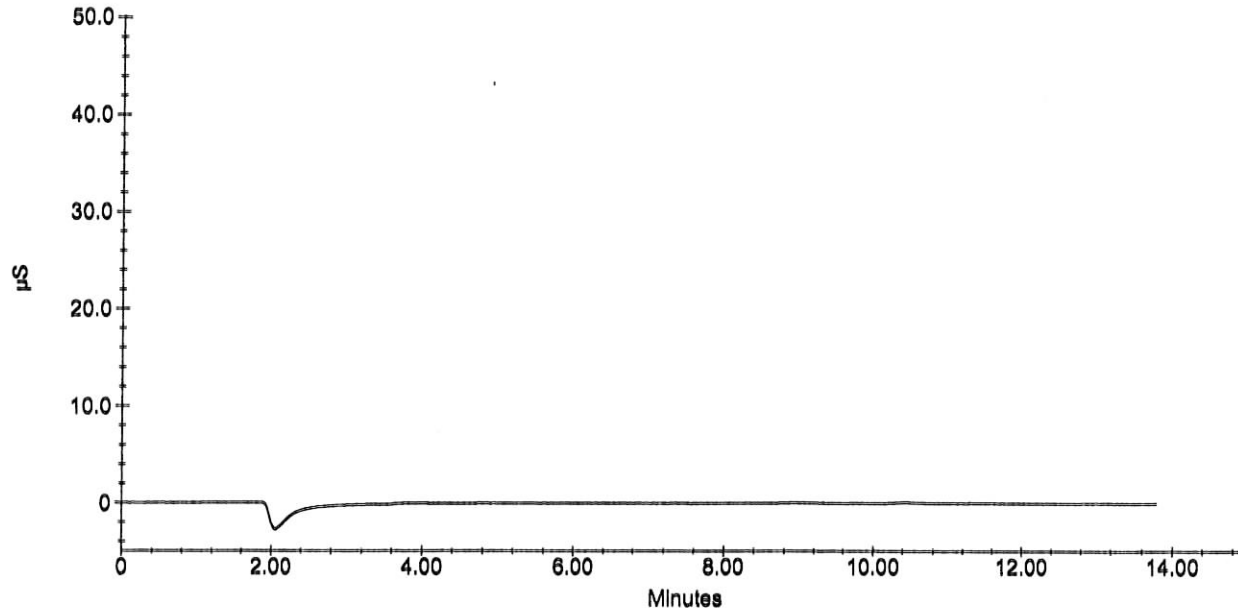
Injection Number : 6

Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
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091013A 300SULFITE CCB



Sample Analysis Report

Sample Name : 091013A SULFITE CCV

Data File Name : i:\dionex\dlanions\data\090903a\091013a_018.DXD

Method File Name : I:\DIONEX\DIANIONS\METHODS\EPA\sulfite 08-25-09Low.met

Date Time Collected : 10/13/09 13:05:10

System Operator : PD

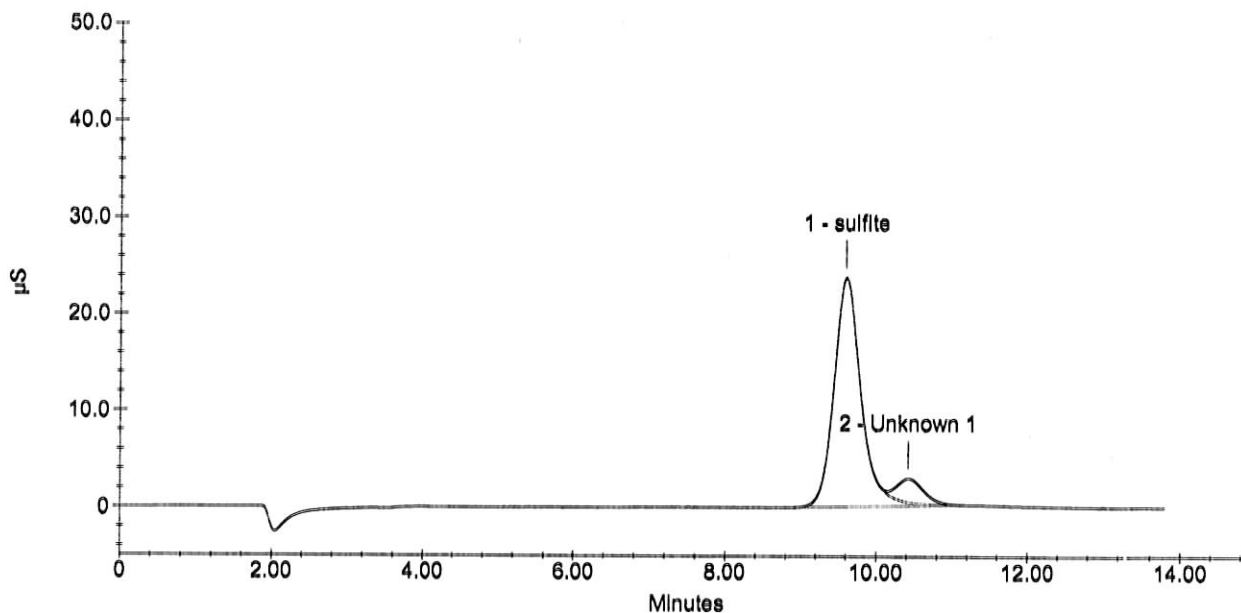
Injection Number : 18

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	9.59	sulfite	24.3644	5926924	236179	
2	10.41	Unknown 1	0.0000	609226	24618	

091013A SULFITE CCV



Sample Analysis Report

Sample Name : 091013A 300 CCV

Data File Name : i:\dionex\dlanions\data\091013a\091013a_019.DXD

Method File Name : I:\DIONEX\DIANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/13/09 13:26:13

System Operator : PD

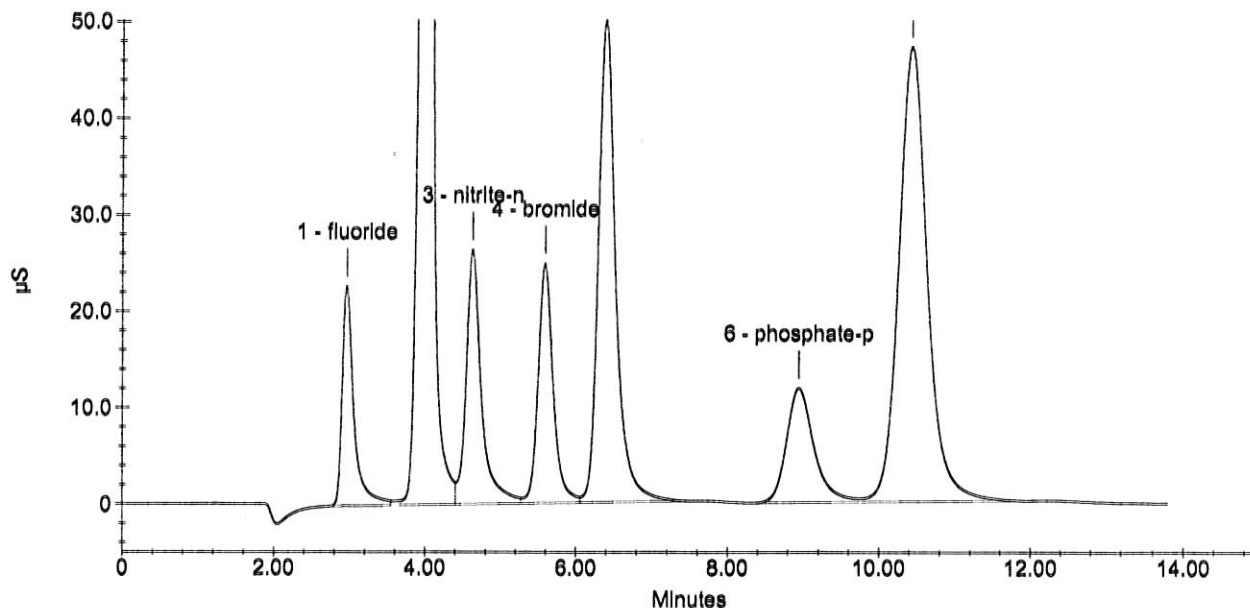
Injection Number : 19

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	2.96	fluoride	2.4209	2478962	227160	
2	3.99	chloride	23.7582	18376820	1814565	
3	4.63	nitrite-n	2.6272	3685581	263121	
4	5.59	bromide	12.1736	3442677	247568	
5	6.37	nitrate-n	4.8076	7971483	496225	
6	8.93	phosphate-p	4.7646	2963188	118027	
7	10.41	sulfate	24.0366	12149879	469788	

091013A 300 CCV



Sample Analysis Report

Sample Name : 091013A 300SULFITE CCB

Data File Name : i:\dionex\d1anions\data\091013a\091013a_020.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/13/09 13:42:51

System Operator : PD

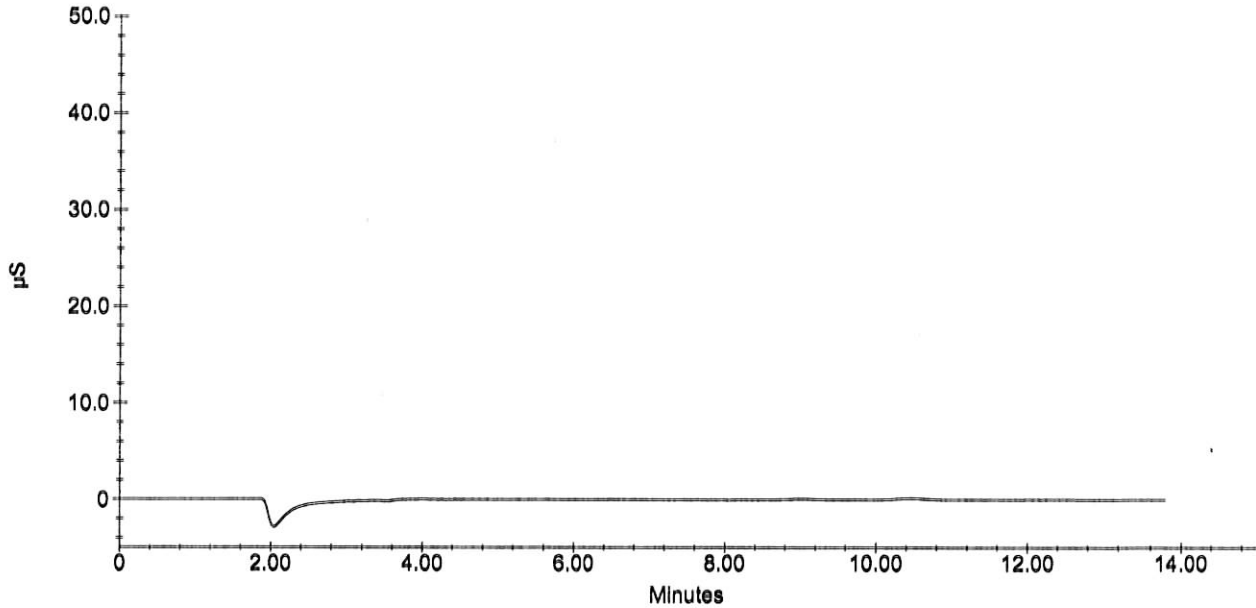
Injection Number : 20

Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
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091013A 300SULFITE CCB



Sample Analysis Report

Sample Name : 091013A 300SULFITE CCB

Data File Name : i:\dionex\dlanions\data\091013a\091013a_020.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/13/09 13:42:51

System Operator : PD

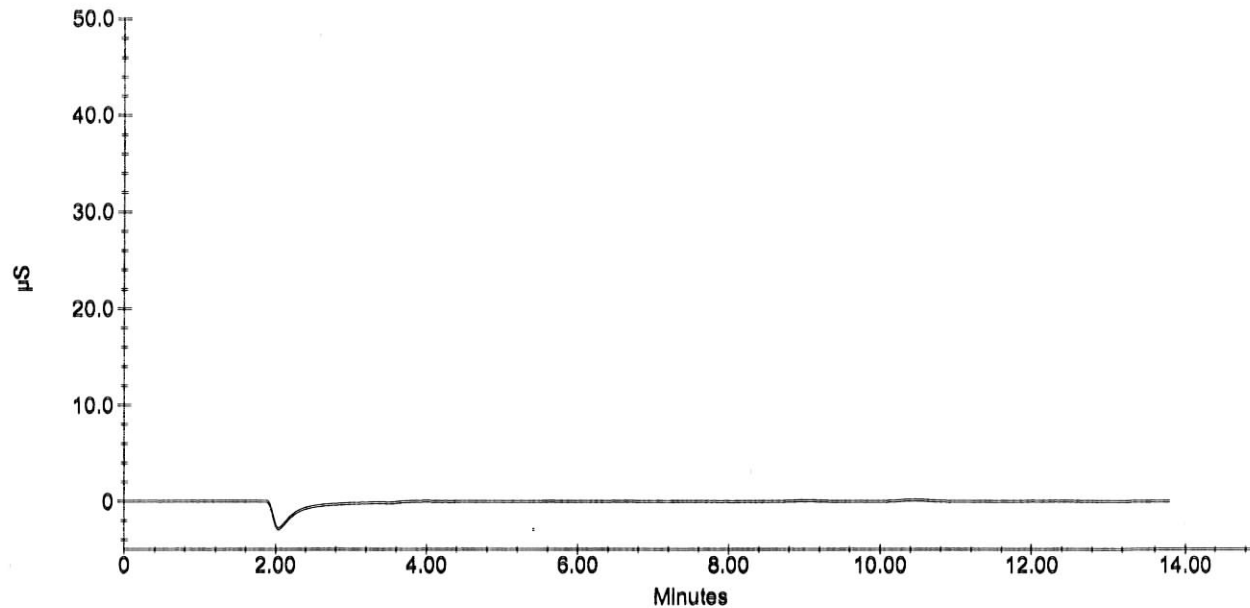
Injection Number : 20

Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
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091013A 300SULFITE CCB



Sample Analysis Report

Sample Name : 091013A SULFITE CCV

Data File Name : i:\dionex\dlanions\data\091013a\091013a_029.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/13/09 16:18:41

System Operator : PD

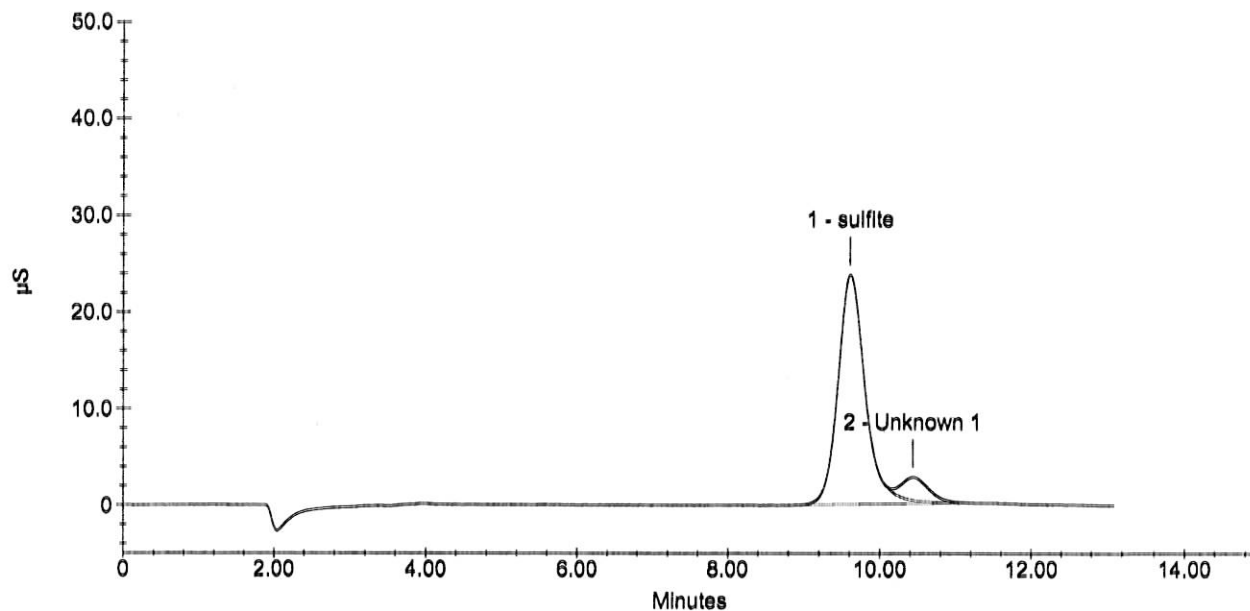
Injection Number : 29

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	9.60	sulfite	24.3424	5921596	237186	
2	10.43	Unknown 1	0.0000	598749	23818	

091013A SULFITE CCV



Sample Analysis Report

Sample Name : 091013A 300 CCV

Data File Name : i:\dionex\dlanions\data\091013a\091013a_030.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/13/09 16:34:23

System Operator : PD

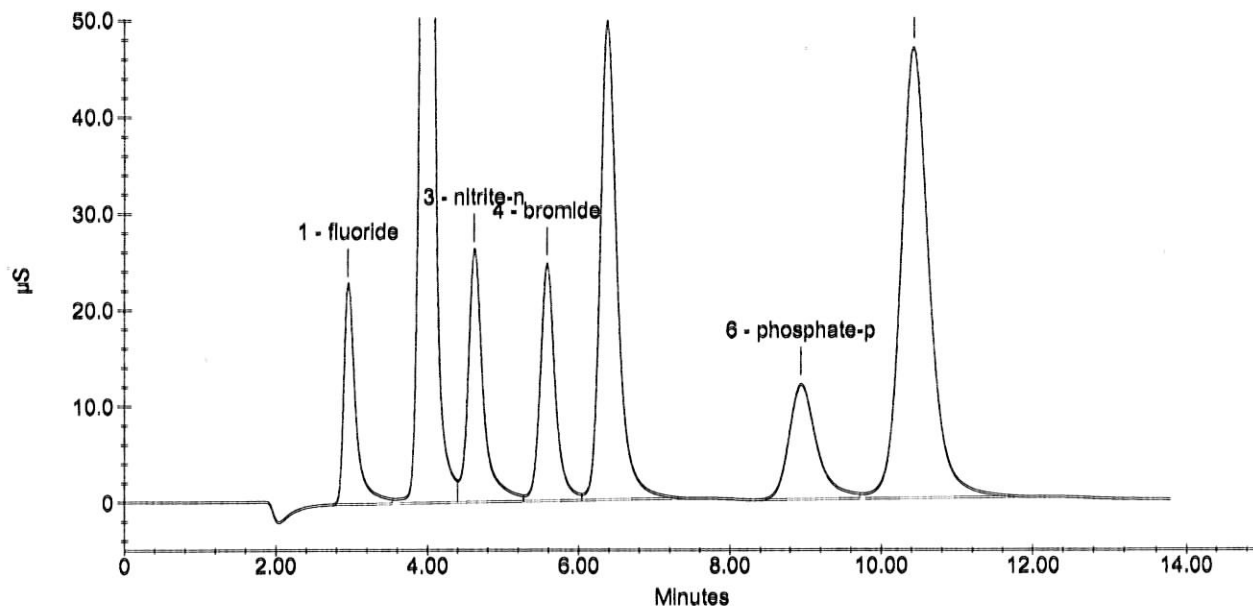
Injection Number : 30

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	2.95	fluoride	2.4357	2494576	225747	
2	3.99	chloride	23.5894	18240571	1798242	
3	4.61	nitrite-n	2.5992	3645445	259169	
4	5.57	bromide	12.0576	3409170	244082	
5	6.37	nitrate-n	4.7719	7910579	494365	
6	8.93	phosphate-p	4.9109	3052671	118649	
7	10.43	sulfate	23.9789	12120056	465747	

091013A 300 CCV



Sample Analysis Report

Sample Name : 091013A 300SULFITE CCB

Data File Name : i:\dionex\d1anions\data\091013a\091013a_033.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/13/09 17:23:55

System Operator : PD

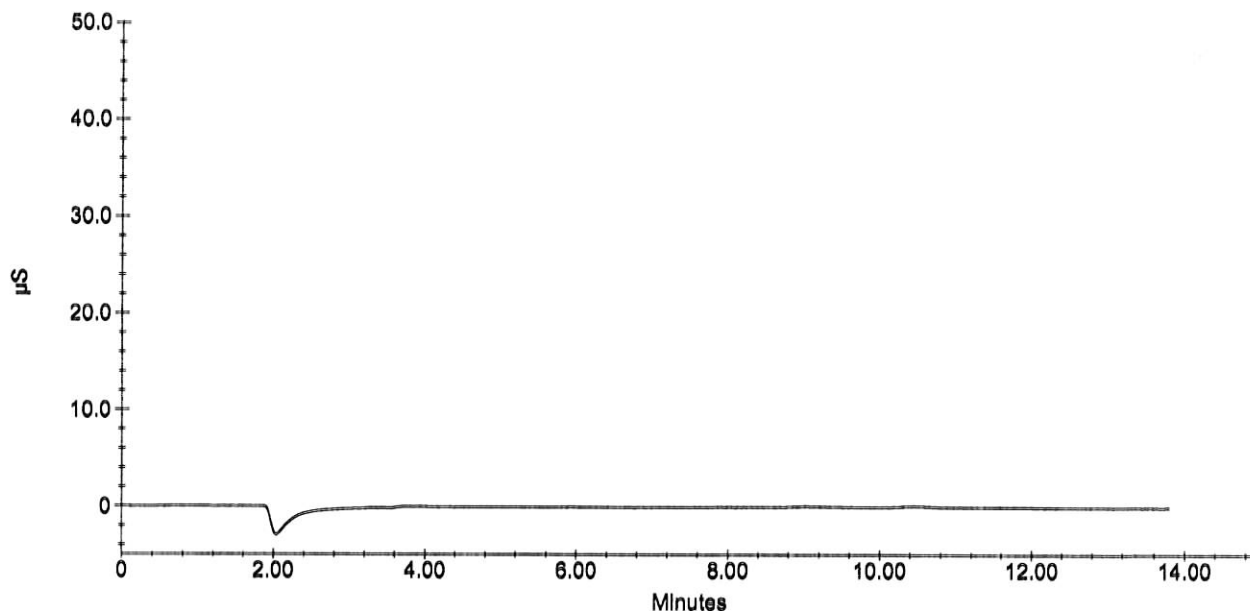
Injection Number : 33

Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
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091013A 300SULFITE CCB



Sample Analysis Report

Sample Name : 091013A 300SULFITE CCB

Data File Name : i:\dionex\dlanions\data\091013a\091013a_033.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/13/09 17:23:55

System Operator : PD

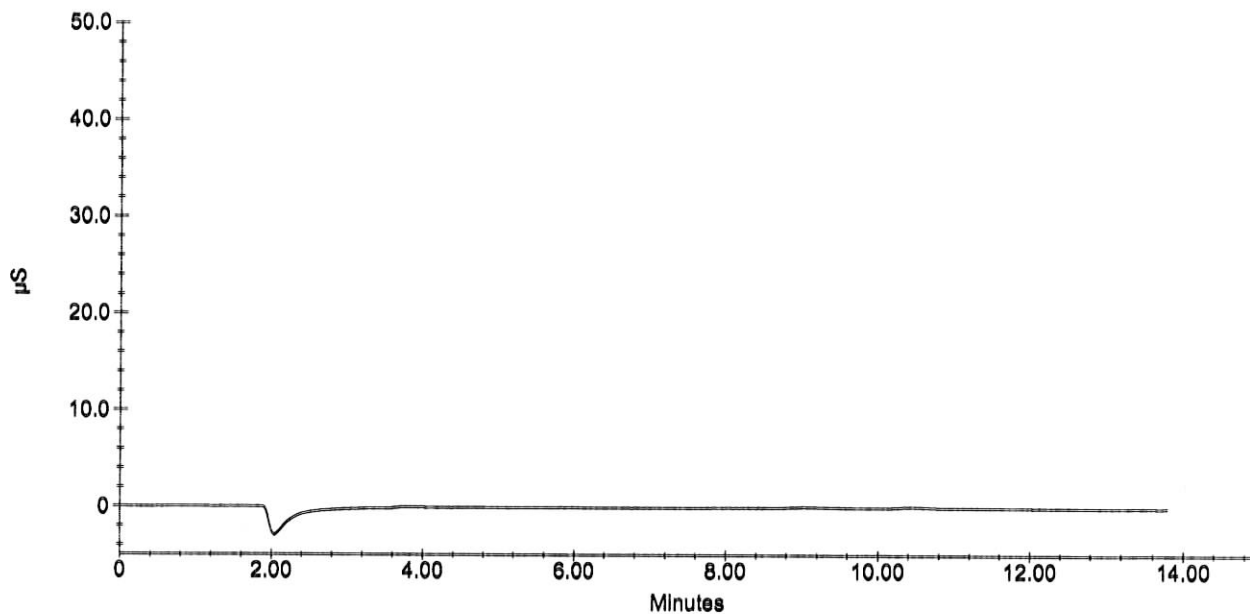
Injection Number : 33

Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
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091013A 300SULFITE CCB



Sample Analysis Report

Sample Name : 091014A 300 CCV

Data File Name : i:\dionex\dlanions\data\091014a\091014a_002.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/14/09 09:42:52

System Operator : PD

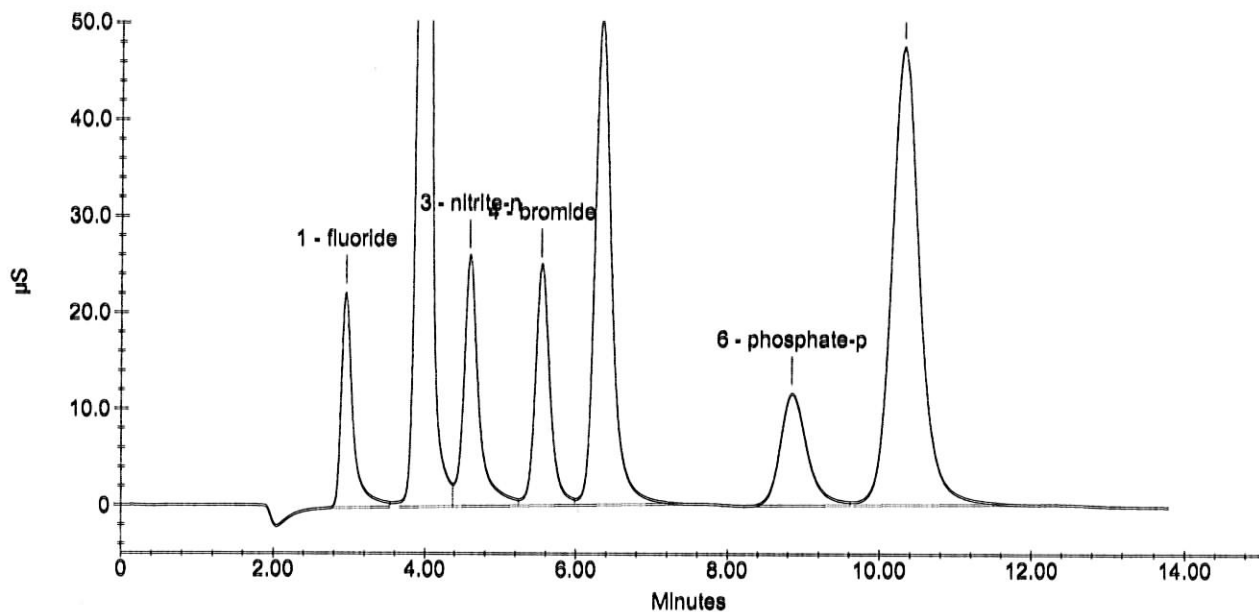
Injection Number : 2

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	2.95	fluoride	2.3596	2414296	221870	
2	3.96	chloride	23.4805	18152695	1809502	
3	4.59	nitrite-n	2.5766	3613112	257220	
4	5.53	bromide	12.0780	3415060	247273	
5	6.32	nitrate-n	4.7720	7910646	498319	
6	8.84	phosphate-p	4.5510	2832619	115241	
7	10.31	sulfate	23.8813	12069605	472615	

091014A 300 CCV



Sample Analysis Report

Sample Name : 091014A SULFITE CCV

Data File Name : i:\dionex\d1anions\data\091014a\091014a_004.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/14/09 10:18:47

System Operator : PD

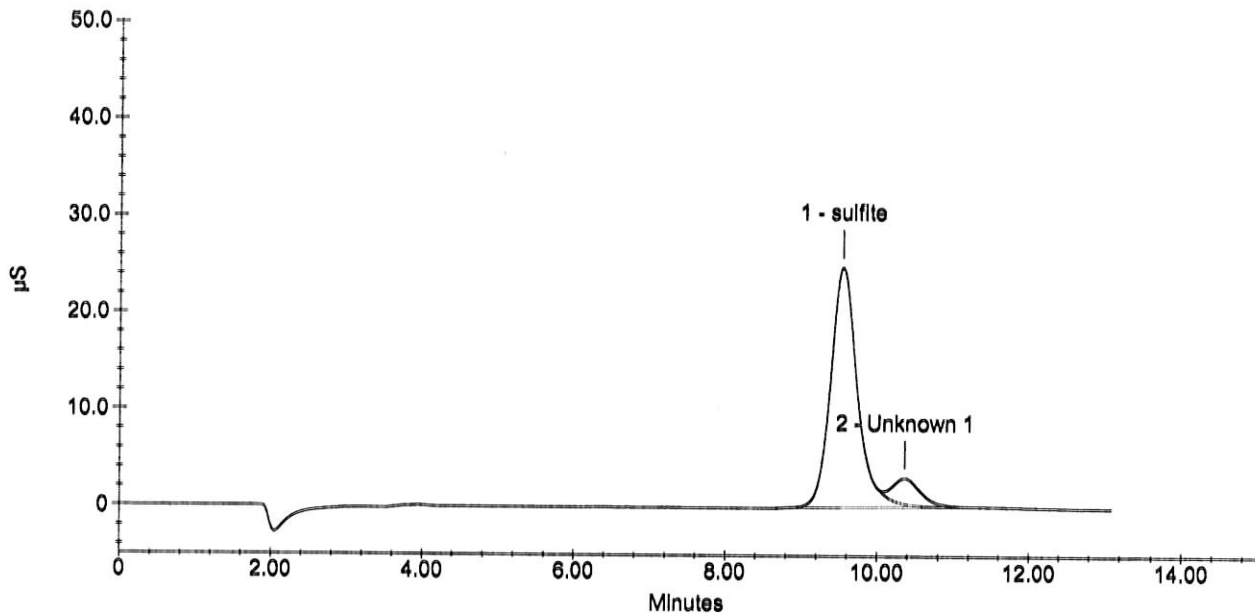
Injection Number : 4

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	9.53	sulfite	25.1304	6112716	247604	
2	10.36	Unknown 1	0.0000	670536	26570	

091014A SULFITE CCV



Sample Analysis Report

Sample Name : 091014A 300SULFITE CCB

Data File Name : i:\dionex\dlanions\data\091014a\091014a_006.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPA sulfite 08-25-09Low.met

Date Time Collected : 10/14/09 10:50:16

System Operator : PD

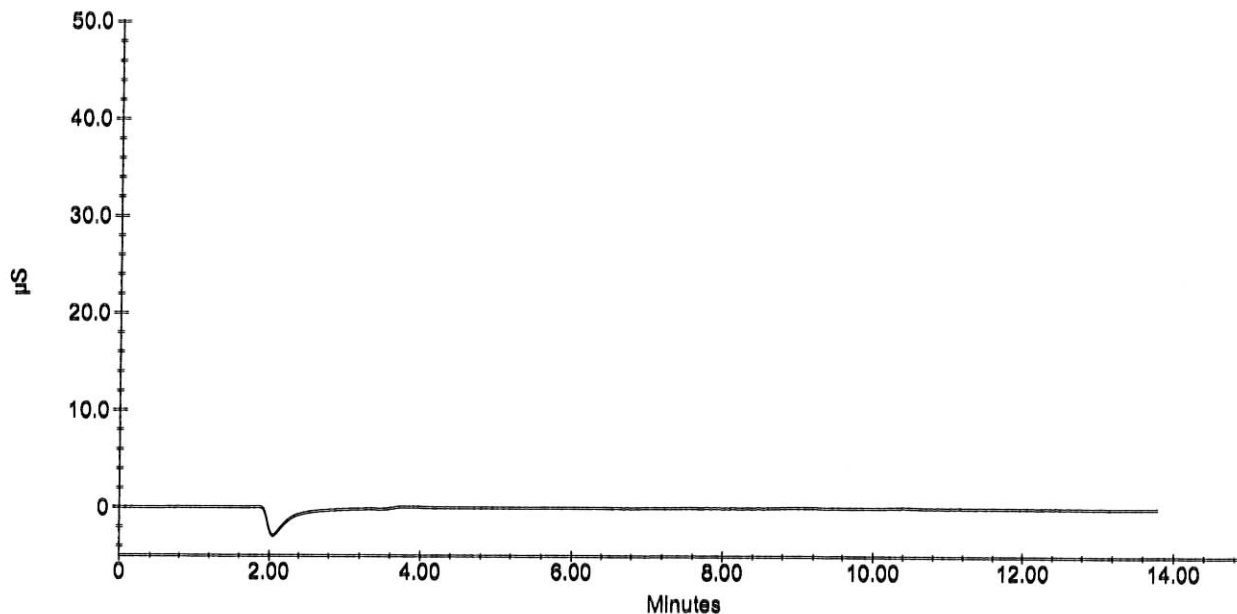
Injection Number : 6

Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
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091014A 300SULFITE CCB



Sample Analysis Report

Sample Name : 091014A 300SULFITE CCB

Data File Name : i:\dionex\dlanions\data\091014a\091014a_006.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/14/09 10:50:16

System Operator : PD

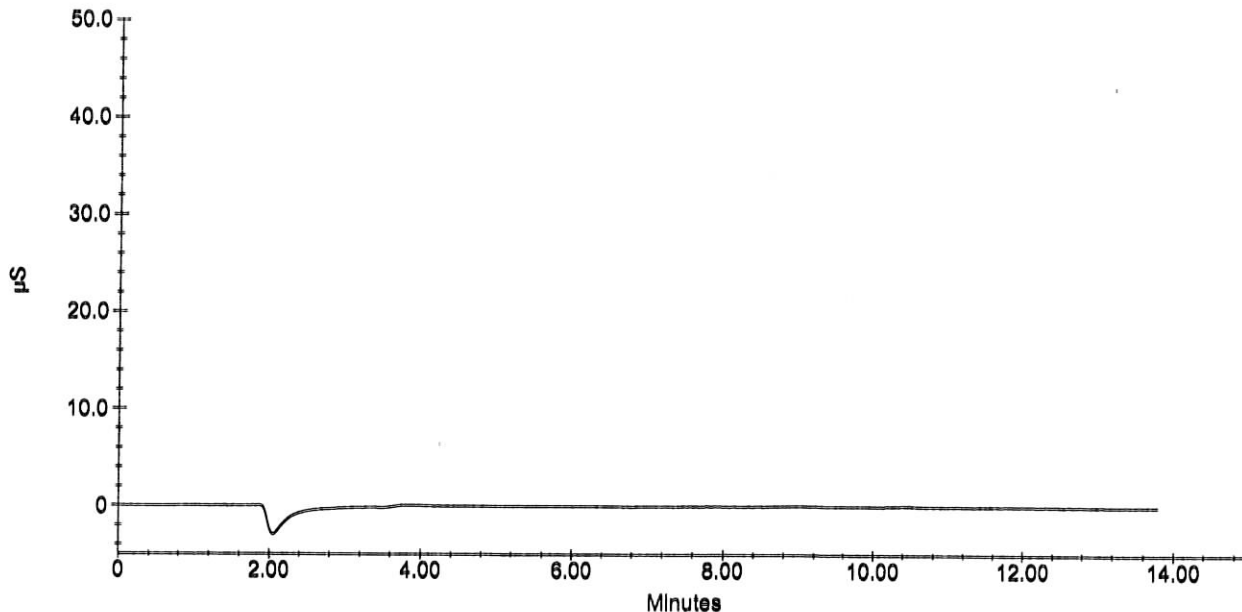
Injection Number : 6

Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
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091014A 300SULFITE CCB



Sample Analysis Report

Sample Name : 091014A SULFITE CCV

Data File Name : i:\dionex\dlanions\data\091014a\091014a_019.DXD

Method File Name : I:\DIONEX\DIANIONS\METHODS\EPA\sulfite 08-25-09Low.met

Date Time Collected : 10/14/09 14:30:02

System Operator : PD

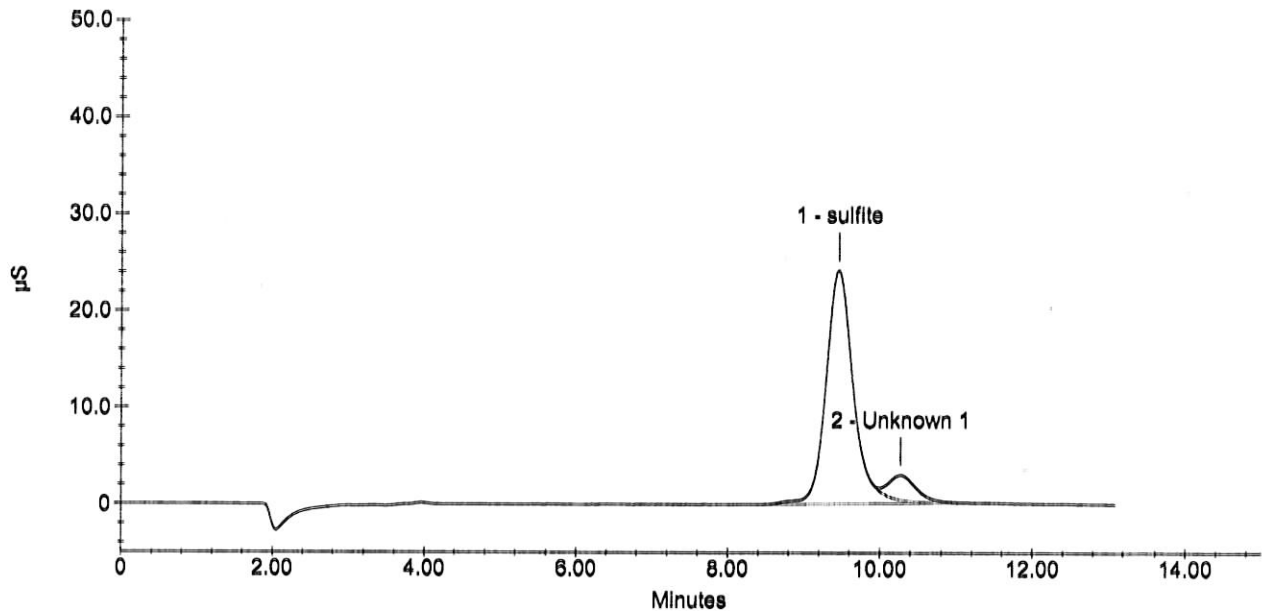
Injection Number : 19

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	9.45	sulfite	24.8152	6036259	240931	
2	10.27	Unknown 1	0.0000	643594	25696	

091014A SULFITE CCV



Sample Analysis Report

Sample Name : 091014A 300 CCV

Data File Name : i:\dionex\d1anions\data\091014a\091014a_020.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/14/09 14:45:43

System Operator : PD

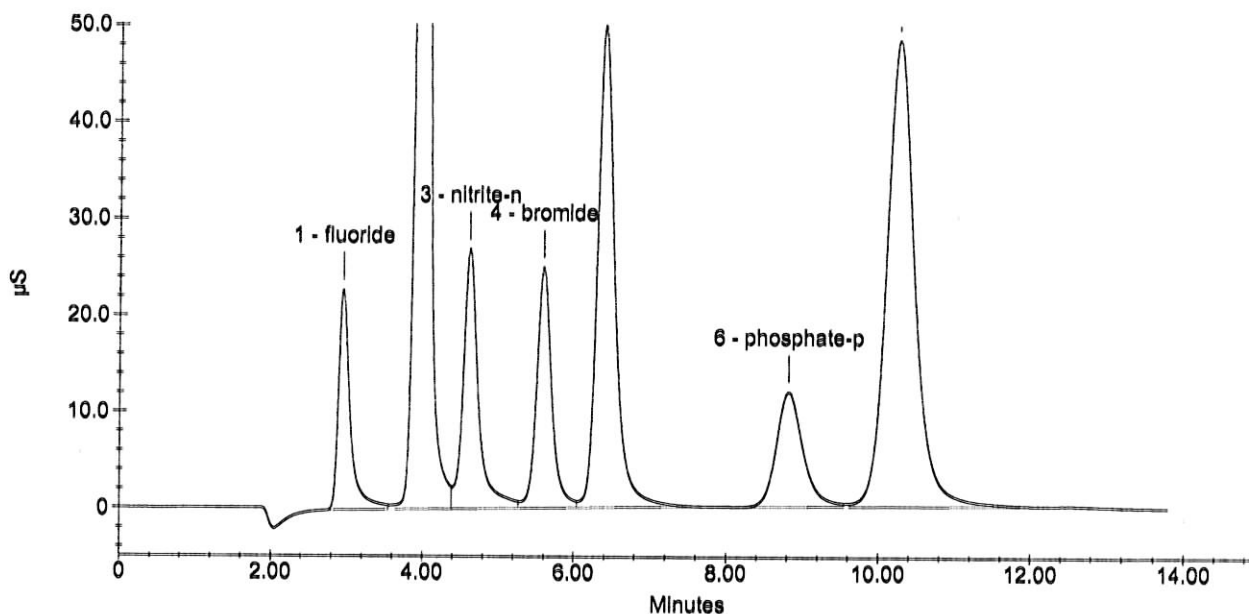
Injection Number : 20

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	2.95	fluoride	2.4147	2472467	227878	
2	3.97	chloride	23.9134	18502094	1812555	
3	4.61	nitrite-n	2.6803	3761777	268109	
4	5.59	bromide	12.3238	3486082	248775	
5	6.39	nitrate-n	4.8528	8048471	497380	
6	8.81	phosphate-p	4.6577	2897874	118692	
7	10.25	sulfate	24.4606	12369037	482071	

091014A 300 CCV



Sample Analysis Report

Sample Name : 091014A 300/SULFITE CCB

Data File Name : i:\dionex\dlanions\data\091014a\091014a_021.DXD

Method File Name : I:\DIONEX\DIANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/14/09 15:02:18

System Operator : PD

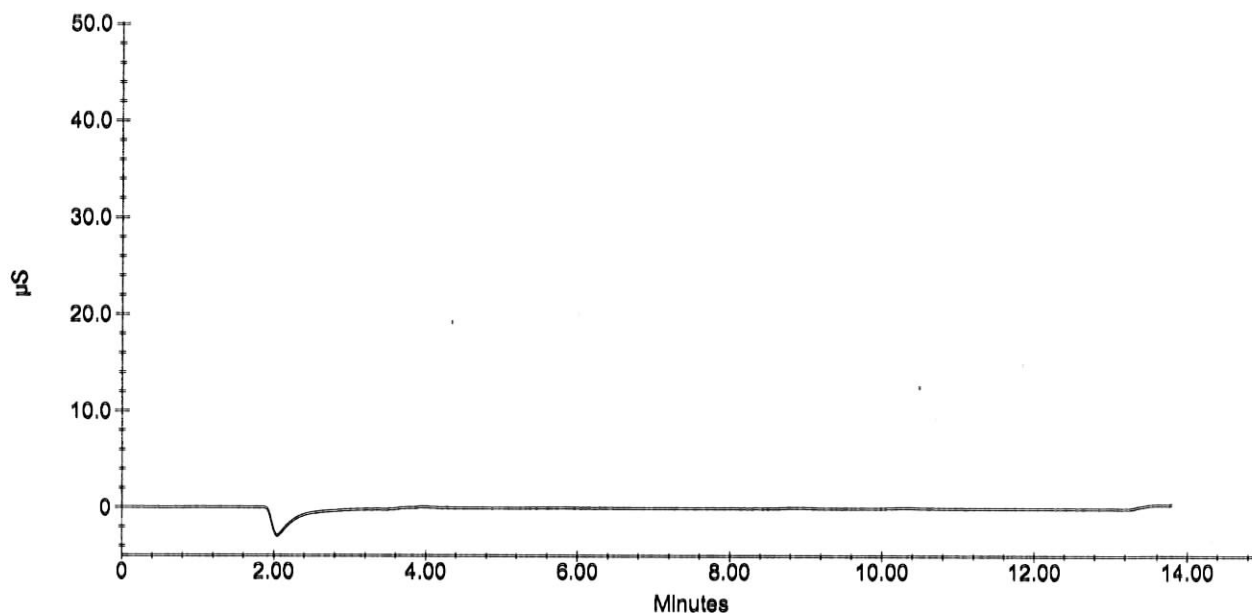
Injection Number : 21

Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
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091014A 300/SULFITE CCB



Sample Analysis Report

Sample Name : 091014A 300/SULFITE CCB

Data File Name : i:\dionex\dlanions\data\091014a\091014a_021.DXD

Method File Name : I:\DIONEX\DIANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/14/09 15:02:18

System Operator : PD

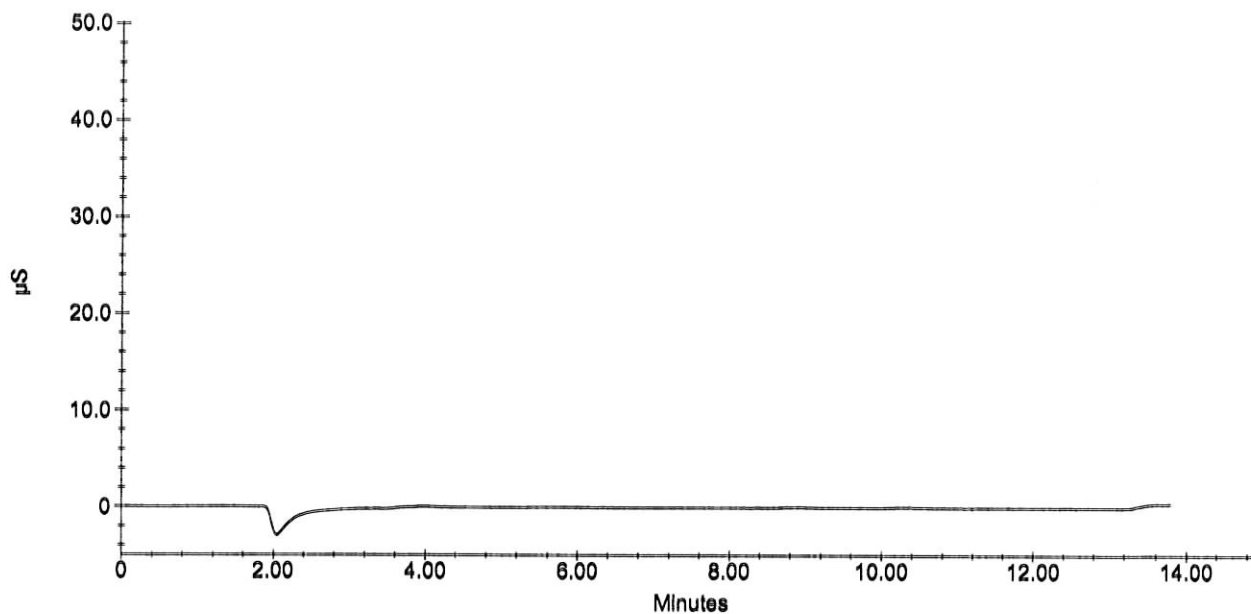
Injection Number : 21

Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
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091014A 300/SULFITE CCB



INORGANIC ANALYSIS

Raw Data

APPL, INC.

WETLAB BLANK

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Analyte	Result	PQL	Units	Prep Date	Anal Date	QC Group
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/12/09	10/12/09	\$300WS-091012A1-AY053
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/12/09	10/12/09	\$300WS-091012A1-AY053
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/13/09	10/13/09	\$300WS-091013A-AY0540
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/13/09	10/13/09	\$300WS-091013A-AY0540
EPA 300.0	Fluoride	Not detected	1.0	mg/L	10/14/09	10/14/09	\$300WS-091014A-AY0542
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	10/14/09	10/14/09	\$300WS-091014A-AY0542

Printed: 10/21/09 3:32:28 PM

Sample Analysis Report

Sample Name : 091012A 300/SULFITE CCB

Data File Name : i:\dionex\d1anions\data\091012a\091012A_006.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/12/09 09:36:17

System Operator : PD

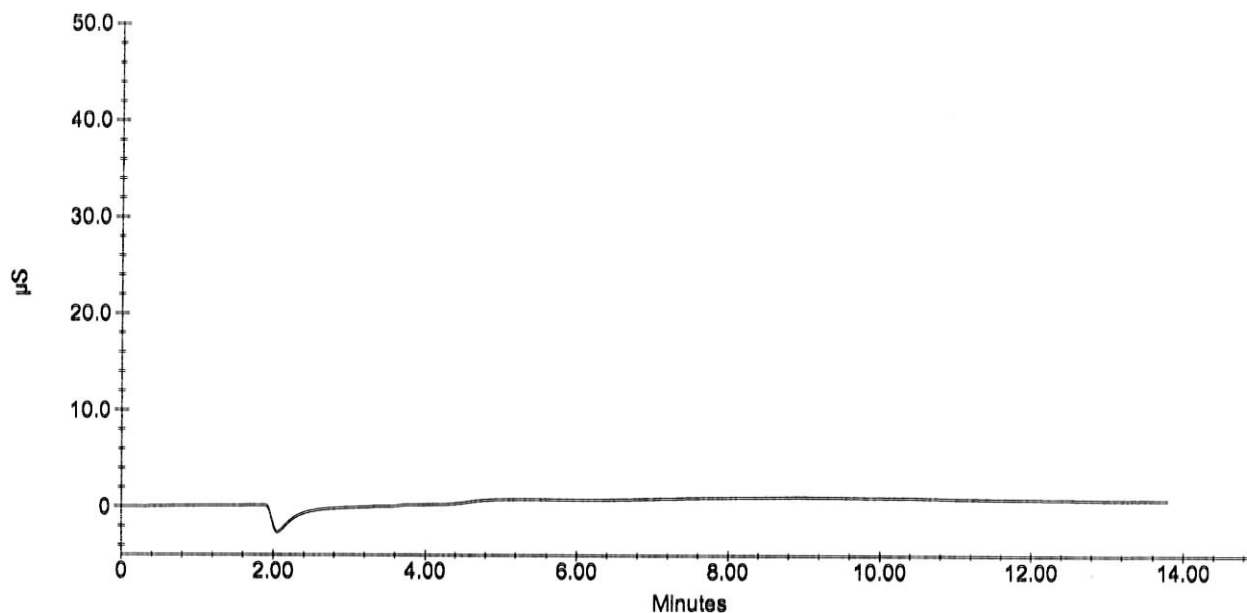
Injection Number : 6

Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
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091012A 300/SULFITE CCB



Sample Analysis Report

Sample Name : 091012A 300/SULFITE CCB

Data File Name : i:\dionex\dlanions\data\091012a\091012A_006.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/12/09 09:36:17

System Operator : PD

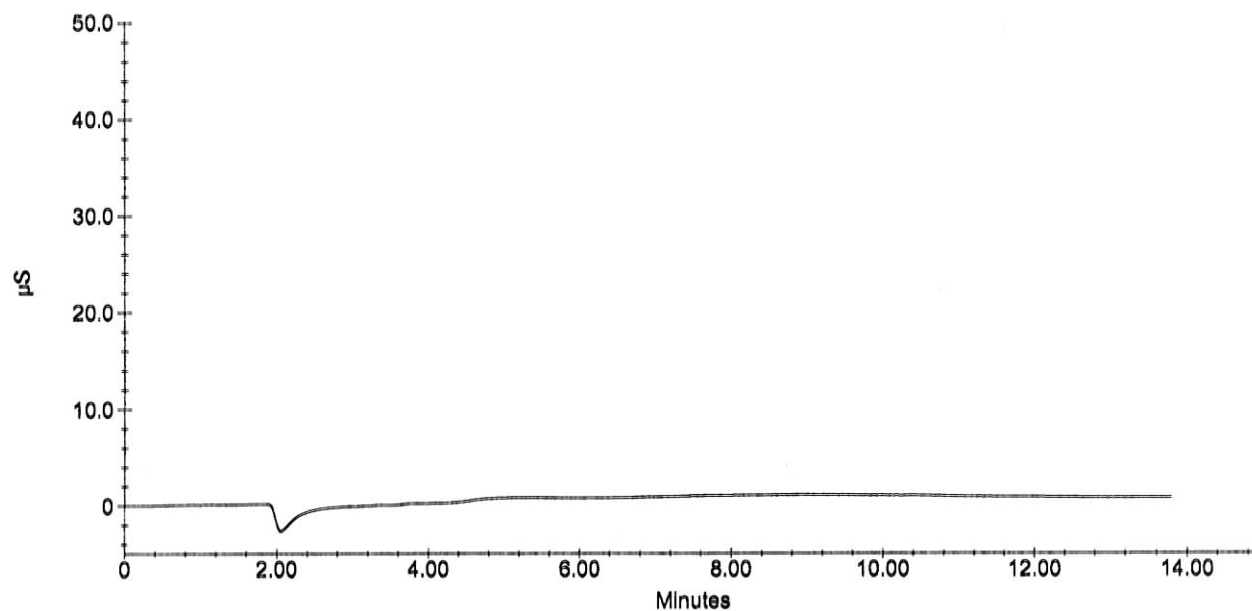
Injection Number : 6

Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
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091012A 300/SULFITE CCB



Sample Analysis Report

Sample Name : 091013A 300SULFITE CCB

Data File Name : i:\dionex\dlanions\data\091013a\091013a_006.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/13/09 09:47:15

System Operator : PD

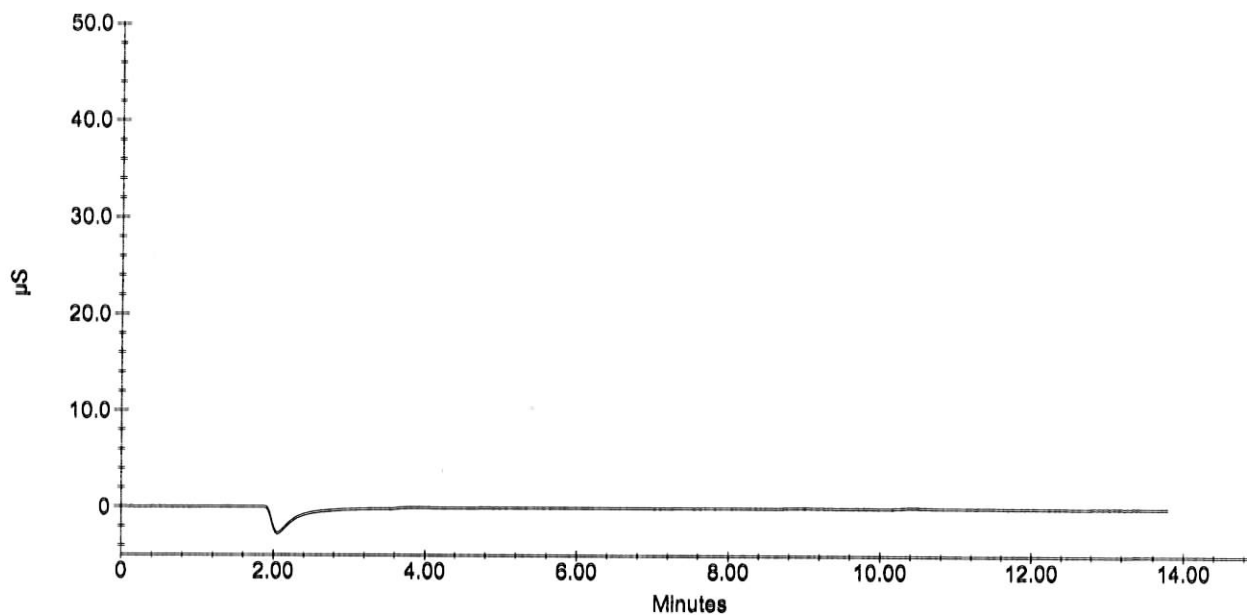
Injection Number : 6

Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
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091013A 300SULFITE CCB



Sample Analysis Report

Sample Name : 091013A 300SULFITE CCB

Data File Name : i:\dionex\d1anions\data\091013a\091013a_006.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/13/09 09:47:15

System Operator : PD

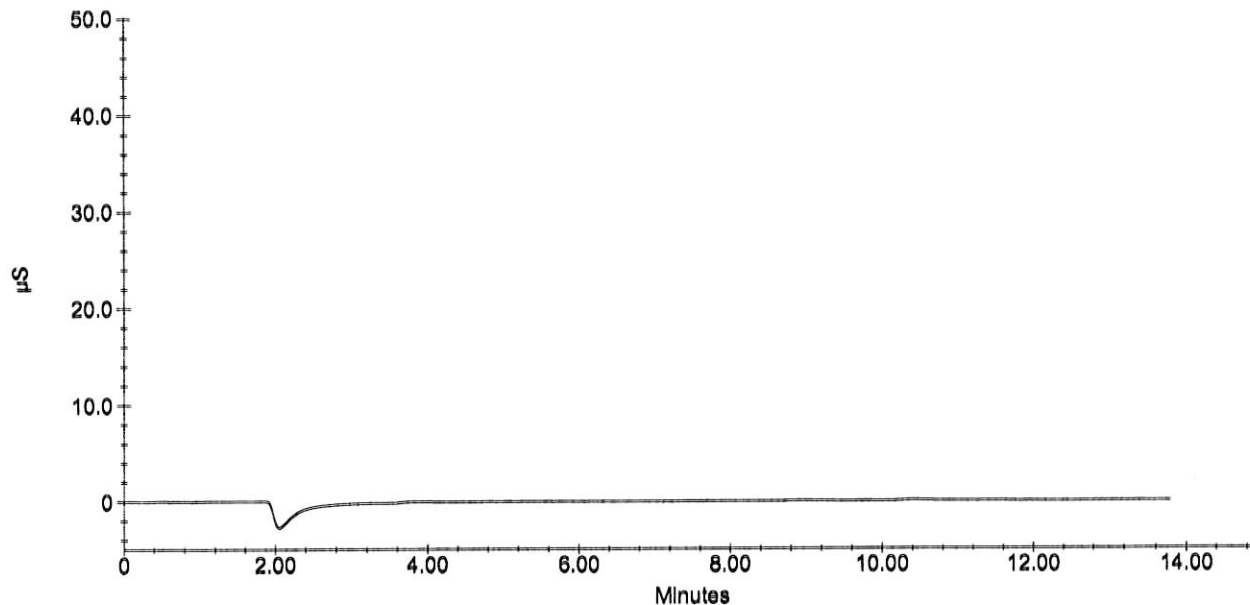
Injection Number : 6

Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
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091013A 300SULFITE CCB



Sample Analysis Report

Sample Name : 091014A 300SULFITE CCB

Data File Name : i:\dionex\dlanions\data\091014a\091014a_006.DXD

Method File Name : I:\DIONEX\DIANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/14/09 10:50:16

System Operator : PD

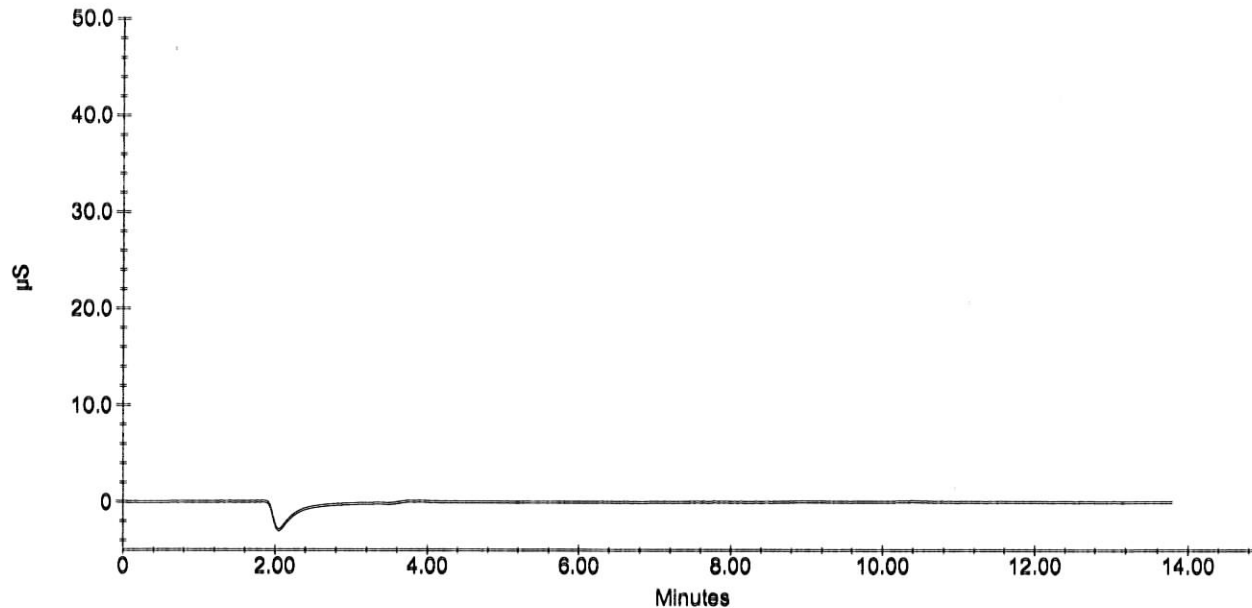
Injection Number : 6

Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
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091014A 300SULFITE CCB



Sample Analysis Report

Sample Name : 091014A 300SULFITE CCB

Data File Name : i:\dionex\d1anions\data\091014a\091014a_006.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/14/09 10:50:16

System Operator : PD

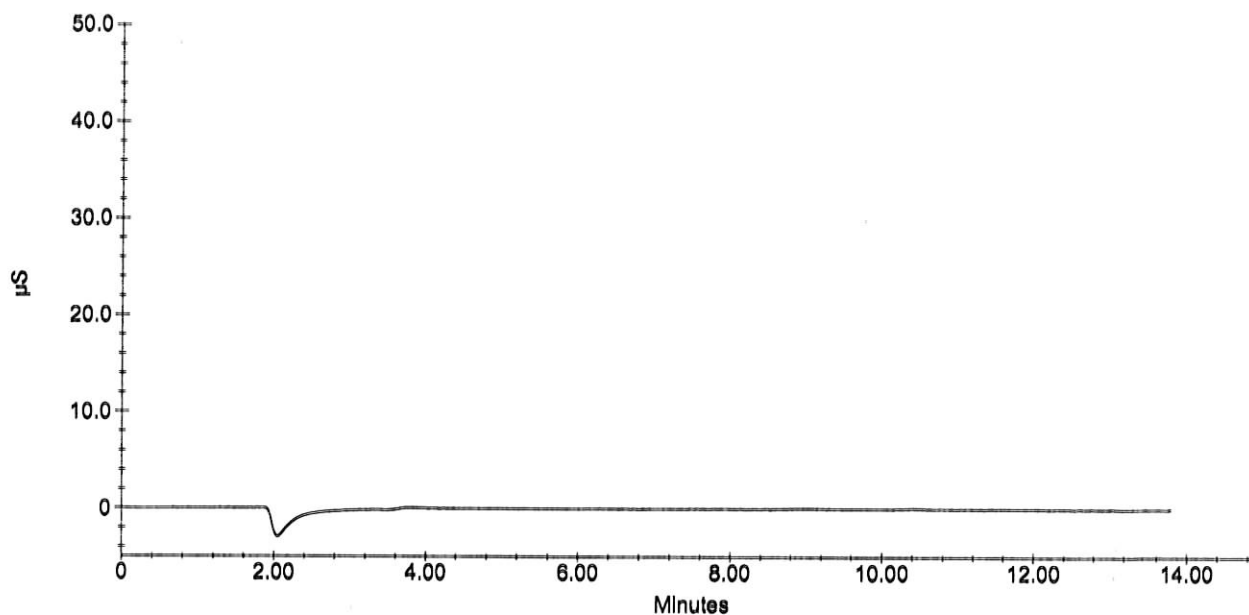
Injection Number : 6

Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
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091014A 300SULFITE 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	4.84	96.8	90-110	10/12/09	10/12/09	\$300WS-091012A1-AY05396
EPA 300.0	Sulfate/Sulfite total	50.0	49.1	98.2	90-110	10/12/09	10/12/09	\$300WS-091012A1-AY05396

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	4.98	99.6	90-110	10/13/09	10/13/09	\$300WS-091013A-AY05406
EPA 300.0	Sulfate/Sulfite total	50.0	49.5	99.0	90-110	10/13/09	10/13/09	\$300WS-091013A-AY05406

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	4.86	97.2	90-110	10/14/09	10/14/09	\$300WS-091014A-AY05421
EPA 300.0	Sulfate/Sulfite total	50.0	49.0	98.0	90-110	10/14/09	10/14/09	\$300WS-091014A-AY05421

Comments:

Sample Analysis Report

Sample Name : 091012A 300 LCS

Data File Name : i:\dionex\dlanions\data\091012a\091012A_003.DXD

Method File Name : I:\DIONEX\DIANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/12/09 08:47:14

System Operator : PD

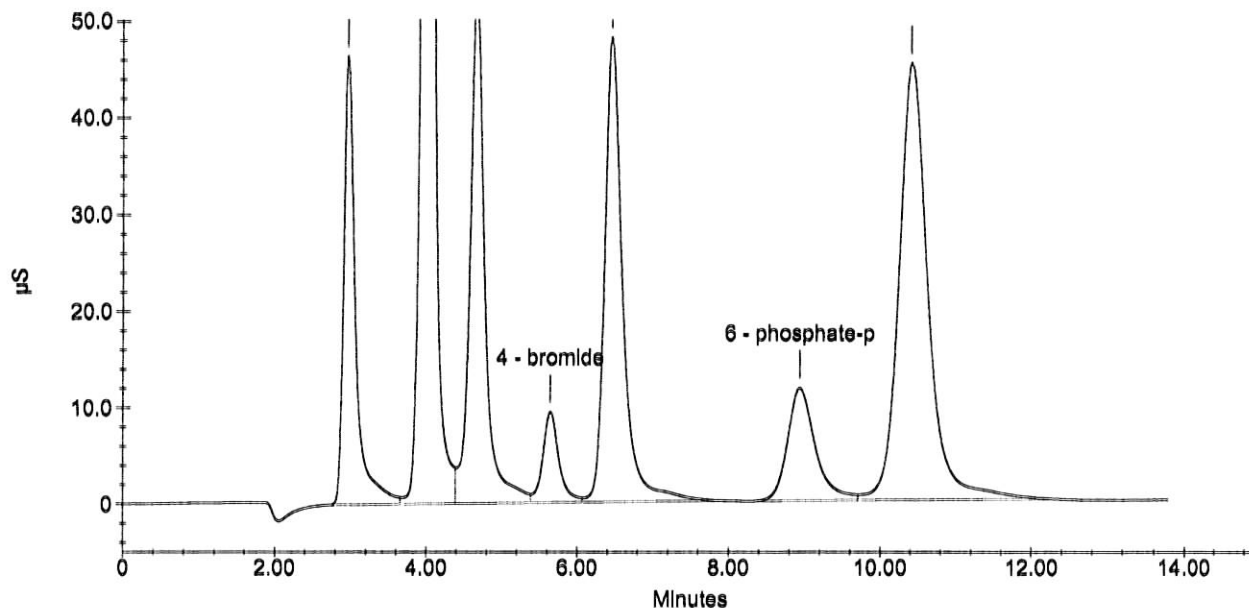
Injection Number : 3

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	2.96	fluoride	4.8366	5028325	462759	
2	4.00	chloride	23.0225	17783179	1755612	
3	4.65	nitrite-n	5.1567	7312168	532520	+
4	5.64	bromide	5.0461	1383097	93271	
5	6.45	nitrate-n	4.8159	7985572	479686	
6	8.93	phosphate-p	4.7746	2969350	116405	
7	10.40	sulfate	23.9657	12113226	450682	

091012A 300 LCS



Sample Analysis Report

Sample Name : 091012A SULFITE LCS

Data File Name : I:\Dionex\D1Anions\data\091012A\091012A_005.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/12/09 09:20:36

System Operator : PD

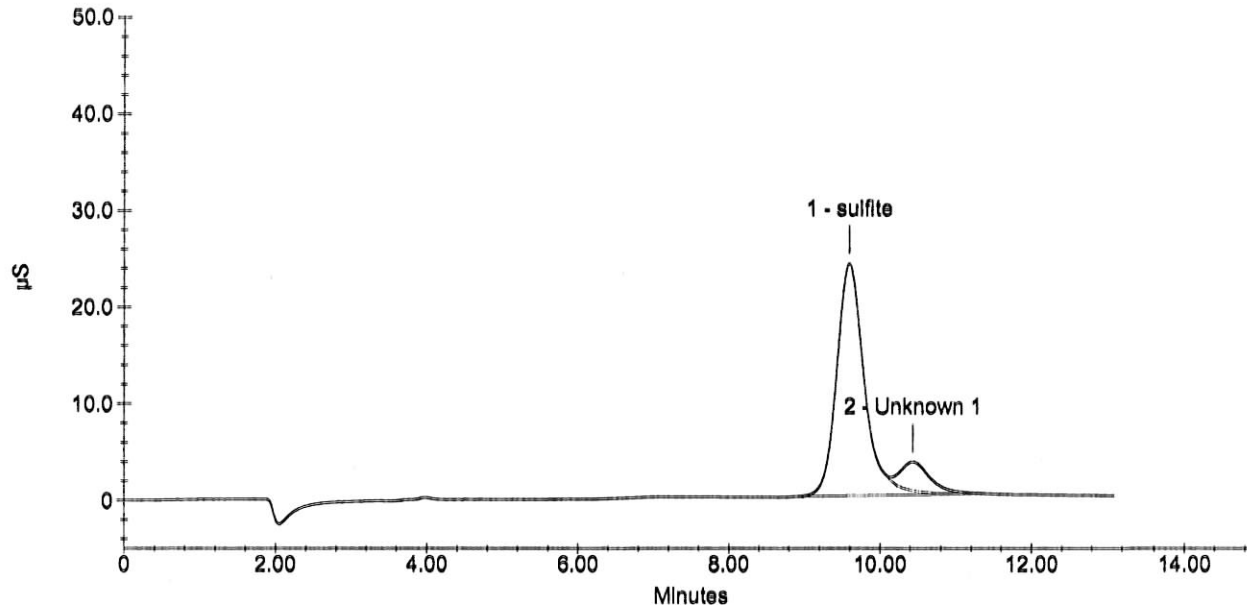
Injection Number : 5

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	9.59	sulfite	25.0987	6105009	239369	
2	10.43	Unknown 1	0.0000	807929	29816	

091012A SULFITE LCS



Sample Analysis Report

Sample Name : 091013A 300 LCS

Data File Name : i:\dionex\dlanions\data\091013a\091013a_003.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/13/09 08:58:28

System Operator : PD

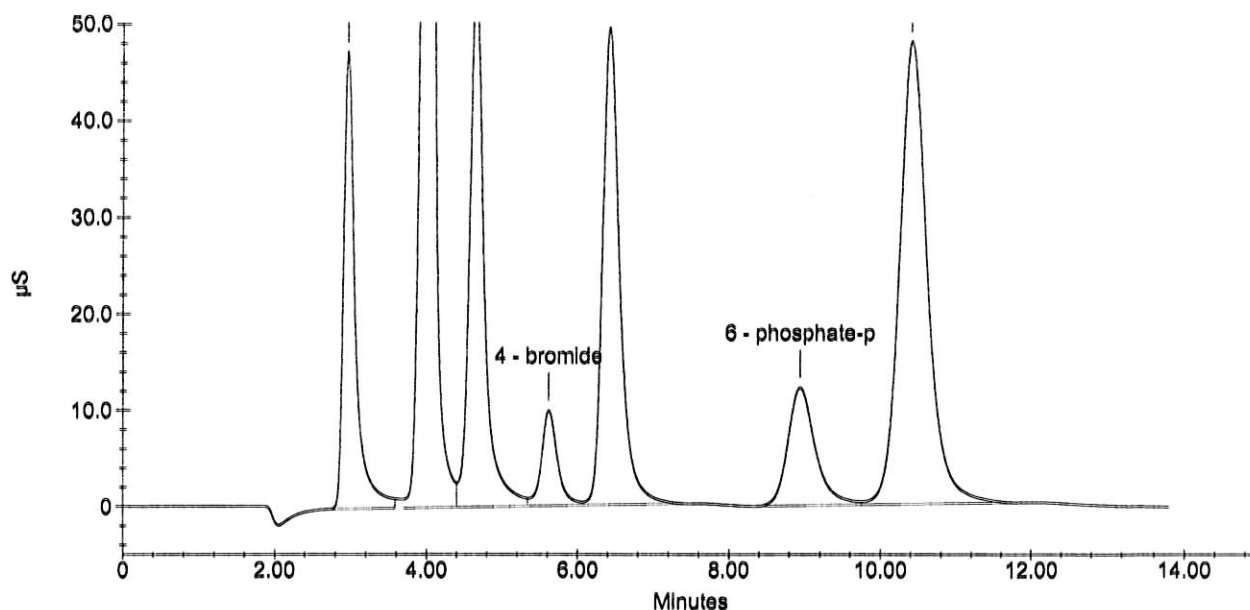
Injection Number : 3

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	2.96	fluoride	4.9780	5177558	472633	
2	3.99	chloride	23.8923	18485044	1788078	
3	4.64	nitrite-n	5.2145	7394924	545709	+
4	5.61	bromide	5.2793	1450462	98297	
5	6.41	nitrate-n	4.7499	7873016	492553	
6	8.93	phosphate-p	4.9200	3058193	121965	
7	10.40	sulfate	24.4940	12386282	477967	

091013A 300 LCS



Sample Analysis Report

Sample Name : 091013A SULFITE LCS

Data File Name : i:\dionex\dlanions\data\091013a\091013a_005.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPA\sulfite 08-25-09Low.met

Date Time Collected : 10/13/09 09:31:33

System Operator : PD

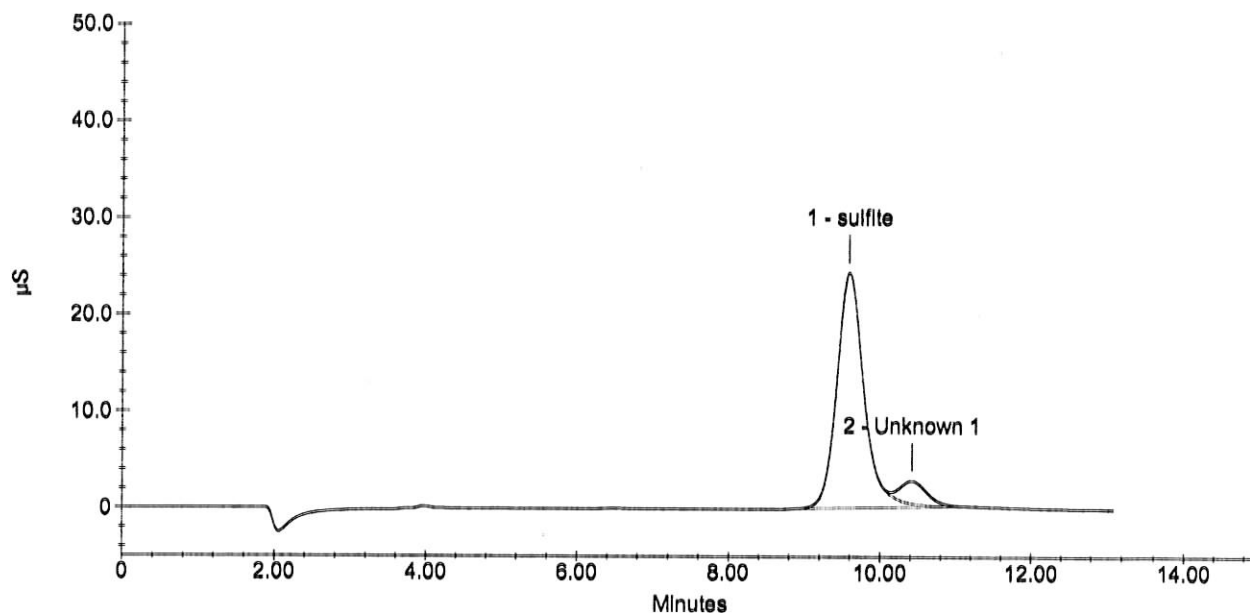
Injection Number : 5

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	9.57	sulfite	24.9655	6072711	242787	
2	10.41	Unknown 1	0.0000	580132	23614	

091013A SULFITE LCS



Sample Analysis Report

Sample Name : 091014A 300 LCS

Data File Name : i:\dionex\dlanions\data\091014a\091014a_003.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPA300 09-28-09Low.met

Date Time Collected : 10/14/09 09:59:26

System Operator : PD

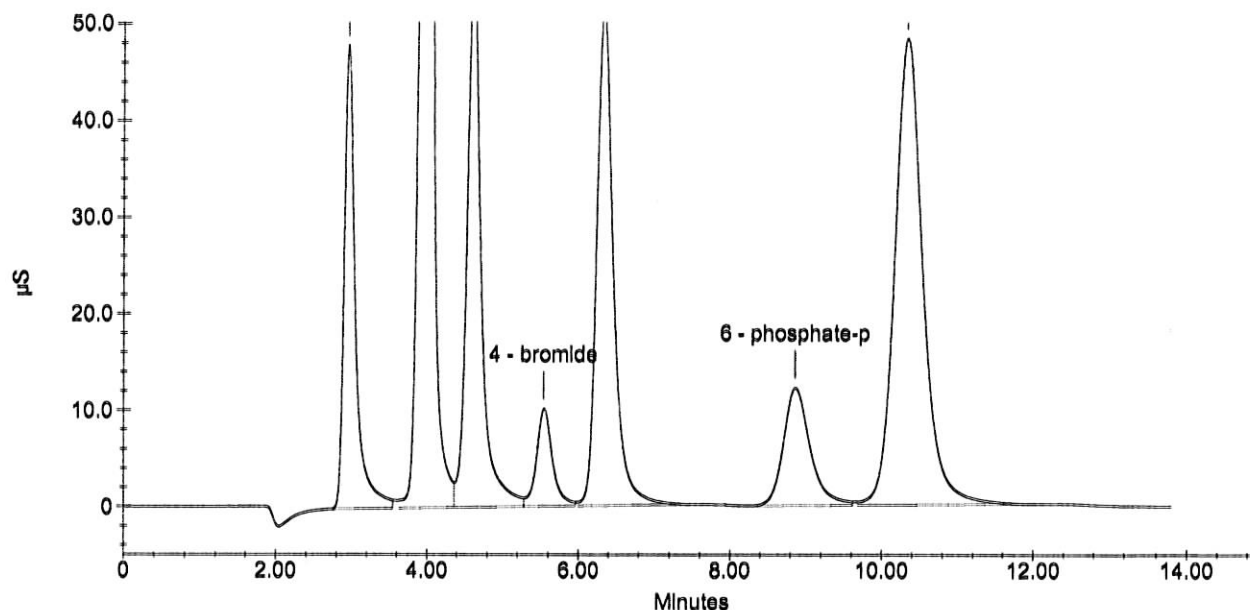
Injection Number : 3

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	2.95	fluoride	4.8554	5048164	478091	
2	3.96	chloride	24.0115	18581252	1836331	
3	4.60	nitrite-n	5.2045	7380613	559317	+
4	5.53	bromide	5.3084	1458878	100159	
5	6.32	nitrate-n	4.8156	7985034	510814	
6	8.85	phosphate-p	4.7822	2974005	121224	
7	10.32	sulfate	24.4013	12338404	481187	

091014A 300 LCS



Sample Analysis Report

Sample Name : 091014A SULFITE LCS

Data File Name : i:\dionex\dlanions\data\091014a\091014a_005.DXD

Method File Name : I:\DIONEX\DLANIONS\METHODS\EPAsufite 08-25-09Low.met

Date Time Collected : 10/14/09 10:34:34

System Operator : PD

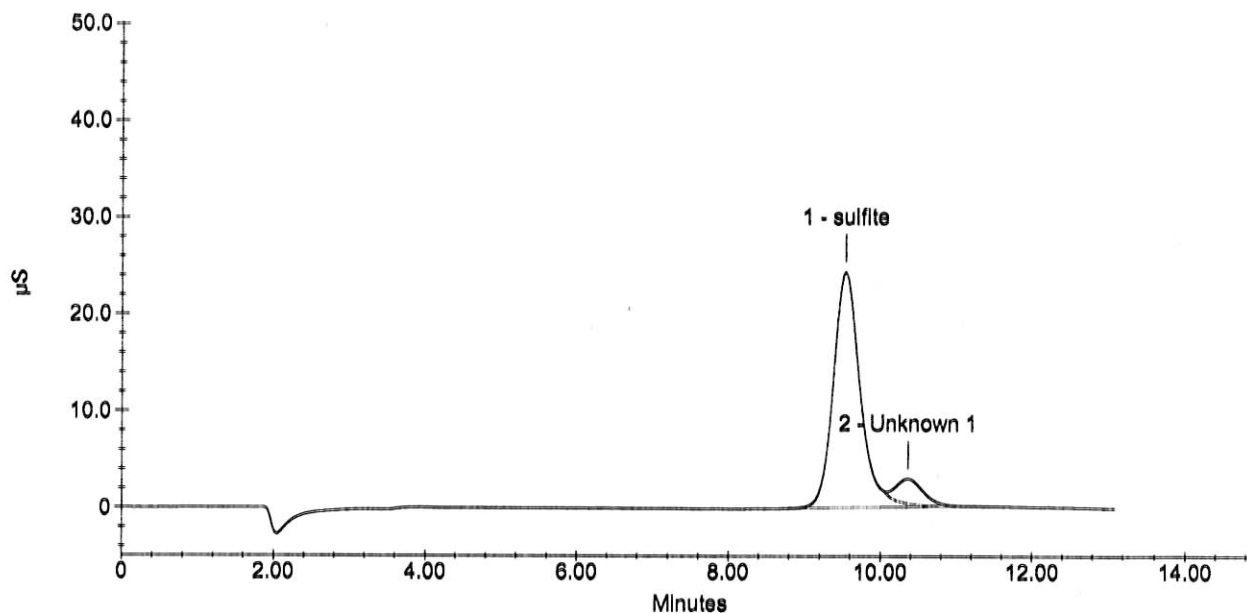
Injection Number : 5

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	9.53	sulfite	24.5719	5977250	242742	
2	10.36	Unknown 1	0.0000	634159	25871	

091014A SULFITE LCS



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 prepared 8/25/09	/50 mL DI H2O	=>	20ppb	Cr+6
1mL	1000ppb	Cr+6 prepared 8/25/09	/100 mLs DI H2O	=>	10ppb	Cr+6
0.5mL	1000ppb	Cr+6 prepared 8/25/09	/100 mL DI H2O	=>	5ppb	Cr+6
0.1mL	1000ppb	Cr+6 prepared 8/25/09	/100 mL DI H2O	=>	1ppb	Cr+6
0.05mL	1000ppb	Cr+6 prepared 8/25/09	/100 mL DI H2O	=>	0.5ppb	Cr+6
1mL	10ppb	Cr+6 prepared 8/25/09	/100 mL DI H2O	=>	0.1ppb	Cr+6
1mL	1000ppb	Cr+6 prepared 8-25-09 ICV	/100 mL DI H2O	=>	10ppb	Cr+6 ICV

LCS/LCSD

0.25mL	1000ppb	Cr+6 prepared 8/25/09	/25 mL DI H2O	=>	10ppb	Cr+6
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MS/MSD

0.25mL	1000ppb	Cr+6 prepared 8/25/09	/25 mL sample	=>	10ppb	Cr+6
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All standards expire: 08/26/09

08/25/06

P.O.

Sulfite STD

Primary STD for Sulfite:

① Sodium Sulfite Anhydrous from Mallinckrodt
Lot # 8064 KEA2 8/25/06

Weight 1.5742g of Na_2SO_3 dilute to
1000 mL $\rightarrow$ 1000 ppm Sulfite
227m

② Second Source STD 1000 ppm

Lot # H37338

Weight 1.5742g of Na_2SO_3 from J.T. Baker
 $\rightarrow$ 1 L with D2 Water $\rightarrow$ 1000 ppm 803

Working STD:

Volume of stock

Final Volume

1 Cal 8	100 ppm	10 mL	100 mL
2 Cal 7	50 ppm	5.0 mL	100 mL
1 Cal 6	25 ppm	2.5 mL	100 mL
2 Cal 5	10 ppm	1.0 mL	100 mL

P.O.

Working STD			Volume of Stock	Final Volume
8/25/09	Zcal 4	5 ppm	0.5 ml	100 ml
8/26/09	Zcal 3	2.5 ppm	5 ml of Zcal 6	100 ml 50 ml
	Zcal 2	1.0 ppm	5 ml of Zcal 5	8/25/09 100 ml 50 ml
	Zcal 1	0.5 ppm	5 ml of Zcal 4	100 ml 50 ml

8/25/09

ZCV 2.5 ml of 1000 ppm ZCV STD → 100 ml DI H₂O
Give 25 ppm SO₃

CCV 2.5 ml of Stock 1000 ppm STD Primary Source
→ 100 ml with DI H₂O → 25 ppm SO₃

8/26/09

for

Standards for Ferrous Iron

Ferrous Iron Standard Solution, 200 µg/mL: Add 10 mL conc. H₂SO₄ (G35026 JT Baker) to 50 mL DI and dissolve 0.702 gm Ferrous Ammonium Sulfate (EM Science Lot 40188002.) Dilute to a final volume of 500 mL. (Solution is stable for 7 days)

0.25 mL X 200 µg Fe ⁺² (8/25609) / 50 mL DI	1.0 mg / Fe ⁺²
0.50 mL X	2.0 mg / Fe ⁺²
1.00 mL X	4.0 mg / Fe ⁺²
1.25 mL X	5.0 mg / Fe ⁺²
2.50 mL X	10.0 mg / Fe ⁺²

ICV 200 µg/mL: Add 10 mL of conc. H₂SO₄ (G35026 JT Baker) to 50 mL DI And dissolve 0.702 gm Ferrous Ammonium Sulfate (5064KBJZ Mallinckrodt) and Dilute to final volume of 500 mL DI
(This solution is good for 7 days)

ICV / LCS MS Working solution: 750 µL X 200 µg/L Fe⁺² (8/26/09) / 50 mL DI 3.0 µg/L Fe⁺²
ICV / LCS working solution made fresh daily

8-27-09

EPA 218.6 Cr⁺⁶

1 ml x 100 ppm Cr⁺⁶ (8-10-09) → 1000 ppb Cr⁺⁶
1 ml x 1000 ppb Cr⁺⁶ (8-27-09)

CK (4) 8-27-09

Book Edit

10/02/09

P.D

Prepared CCV, Lcs as in page # 29 (08/25/09)

$$CCV = Lcs = 2cal \# 6$$

$$CCV_2 = 2cal \# 7$$

10/12/09

10/05/09

Prepared CCV, Lcs as in page # 29 (08/25/09)

$$CCV = Lcs = 2cal \# 6$$

$$CCV_2 = 2cal \# 7$$

Bor
Edit

10/06/09

Prepared CCV, Lcs as in page # 29 (08/25/09)

$$CCV = Lcs = 2cal \# 6$$

$$CCV_2 = 2cal \# 7$$

10/07/09

Prepared CCV, Lcs as in page # 29 (08/25/09)

$$CCV = Lcs = 2cal \# 6$$

$$CCV_2 = 2cal \# 7$$

10/08/09

Prepared CCV, Lcs as in page # 29 (08/25/09)

$$CCV = Lcs = 2cal \# 6$$

$$2cal \# 7 = CCV_2$$

10/09/09

Prepared CCV, Lcs as in page # 29 (08/25/09)

$$CCV = Lcs = 2cal \# 6$$

$$CCV_2 = 2cal \# 7$$

10/10/09

Prepared CCV, Lcs as in page # 29 (08/25/09)

$$CCV = Lcs = 2cal \# 6$$

$$2cal \# 7 = CCV_2$$

10/12/09

Prepared CCV, Lcs as in page # 29 (08/25/09)

$$CCV = Lcs = 2cal \# 6$$

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 lcb	8/25/2009 15:12
23	sulfite 090825 lcv 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

300/9056 Injection Log

Directory: I:\Dionex\D1Anions\data\

RunID	Injected		Sample Name	Misc Info	FileName	Multiplier
9	28 Sep 2009	13:25	090928AICAL#1		090928a	1.
10	28 Sep 2009	13:42	090928AICAL#2		090928a	1.
11	28 Sep 2009	13:58	090928AICAL#3		090928a	1.
12	28 Sep 2009	14:15	090928AICAL#4		090928a	1.
13	28 Sep 2009	14:31	090928AICAL#5		090928a	1.
14	28 Sep 2009	14:48	090928AICAL#6		090928a	1.
16	28 Sep 2009	15:21	090928AICAL#7		090928a	1.
19	28 Sep 2009	16:22	090928A ICV		090928a	1.
20	28 Sep 2009	16:38	090928A ICB		090928a	1.
21	28 Sep 2009	16:55	090928A CCV		090928a	1.
22	28 Sep 2009	17:11	090928A CCB		090928a	1.

APPL, Inc.
Analysis listing Dionex
10/12/09

Injection:	Sample Name:	Date Time Collected:
2	091012A 300 CCV	10/12/09 8:30
3	091012A 300 LCS	10/12/09 8:47
4	091012A SULFITE CCV	10/12/09 9:04
5	091012A SULFITE LCS	10/12/09 9:20
6	091012A 300/SULFITE CCB	10/12/09 9:36
14	AY05396W01 1/5	10/12/09 11:50
15	AY05397W01 1/5	10/12/09 12:06
16	AY05398W01 1/5	10/12/09 12:23
17	AY05399W01 1/5	10/12/09 12:39
18	091012A SULFITE CCV	10/12/09 12:56
19	091012A 300 CCV	10/12/09 13:11
20	091012A 300/SULFITE CCB	10/12/09 13:28
22	AY05400W01 1/5	10/12/09 14:01
26	AY05401W01 1/5	10/12/09 15:07
28	AY05402W01 1/5	10/12/09 15:40
29	AY05404w01 1/5	10/12/09 15:56
30	AY05405w01 1/5	10/12/09 16:12
31	091012A SULFITE CCV	10/12/09 16:39
35	091012A 300 CCV	10/12/09 17:44
36	091012A 300/SULFITE CCB	10/12/09 18:01

APPL, Inc.
Analysis listing Dionex
10/13/2009

Injection:	Sample Name:	Date Time Collected:
2	091013A 300 CCV	10/13/2009 8:41
3	091013A 300 LCS	10/13/2009 8:58
4	091013A SULFITE CCV	10/13/2009 9:15
5	091013A SULFITE LCS	10/13/2009 9:31
6	091013A 300SULFITE CCB	10/13/2009 9:47
8	AY05403W01 1/5	10/13/2009 10:20
9	AY05406W01 1/5	10/13/2009 10:36
10	AY05397W01 1/6	10/13/2009 10:52
11	AY05407W01 1/5	10/13/2009 11:09
12	AY05408W01 1/5	10/13/2009 11:25
13	AY05409W01 1/5	10/13/2009 11:42
14	AY05410W01 1/5	10/13/2009 11:58
15	AY05411W01 1/5	10/13/2009 12:15
16	AY05412W01 1/5	10/13/2009 12:31
17	AY05413W01 1/5	10/13/2009 12:48
18	091013A SULFITE CCV	10/13/2009 13:05
19	091013A 300 CCV	10/13/2009 13:26
20	091013A 300SULFITE CCB	10/13/2009 13:42
22	AY05414W01 1/5	10/13/2009 14:15
23	AY05415W01 1/5	10/13/2009 14:32
24	AY05416W01 1/5	10/13/2009 14:56
25	AY05417W01 1/5	10/13/2009 15:13
26	AY05418W01 1/5	10/13/2009 15:29
27	AY05419W01 1/5	10/13/2009 15:45
28	AY05420W01 1/5	10/13/2009 16:02
29	091013A SULFITE CCV	10/13/2009 16:18
30	091013A 300 CCV	10/13/2009 16:34
33	091013A 300SULFITE CCB	10/13/2009 17:23

APPL, Inc.
Analysis listing Dionex
10/14/09

Injection:	Sample Name:	Date Time Collected:
2	091014A 300 CCV	10/14/09 9:42
3	091014A 300 LCS	10/14/09 9:59
4	091014A SULFITE CCV	10/14/09 10:18
5	091014A SULFITE LCS	10/14/09 10:34
6	091014A 300SULFITE CCB	10/14/09 10:50
8	AY05421W01 1/5	10/14/09 11:23
9	AY05422W01 1/5	10/14/09 11:39
10	AY05423W01 1/5	10/14/09 11:55
11	AY05424W01 1/5	10/14/09 12:12
12	AY05425W01 1/5	10/14/09 12:28
13	AY05426W01 1/5	10/14/09 12:45
14	AY05427W01 1/5	10/14/09 13:01
15	AY05428W01 1/5	10/14/09 13:18
19	091014A SULFITE CCV	10/14/09 14:30
20	091014A 300 CCV	10/14/09 14:45
21	091014A 300/SULFITE CCB	10/14/09 15:02