@AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

COMPREHENSIVE VALIDATION PACKAGE

ATL Subcontract

INVENTORY SHEET

WORK ORDER # 0908631E/FR1

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Completed by:

Kara McKiernan	Kara McKiernan/ Document Control	10/21/09
(Signature)	(Print Name & Title)	(Date)

WORK ORDER #: 0908631E

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:	08/28/2009	**CONTACT:**	Ausha Scott
DATE COMPLETED:	10/01/2009		

FRACTION #	NAME	TEST
01A	101545	SubContract
02A	101544	SubContract
03A	101543	SubContract
04A	101542	SubContract
05A	101541	SubContract
06A	101540	SubContract
07A	100411	SubContract
08A	100412	SubContract
09A	100413	SubContract
10A	100414	SubContract
11A	100415	SubContract
12A	100416	SubContract
13A	101182	SubContract
14A	101183	SubContract
15A	101184	SubContract
16A	101185	SubContract
17A	101186	SubContract
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19A	101254	SubContract
20A	101255	SubContract
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25A	101260	SubContract
26A	101587	SubContract
27A	101588	SubContract
28A(cancelled)	101589	SubContract
29A	101590	SubContract
30A	101591	SubContract
31A	101592	SubContract
32A	101323	SubContract
33A	101324	SubContract
34A	101325	SubContract
35A	101326	SubContract
36A	101327	SubContract
37A	101328	SubContract
38A(cancelled)	101677	SubContract
39A	101678	SubContract

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40A	101679	SubContract
41A	101680	SubContract
42A	101681	SubContract
43A	101682	SubContract
44A	101416	SubContract
45A	101417	SubContract
46A	101418	SubContract
47A	101419	SubContract
48A	101420	SubContract
49A	101421	SubContract
50A	101422	SubContract
51A	101761	SubContract
52A	101762	SubContract
53A	101763	SubContract
54A	101764	SubContract
55A	101765	SubContract
56A	101760	SubContract
57A	101487	SubContract
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FRACTION #	NAME	TEST
61A	101491	SubContract
62A	101492	SubContract
63A	Lab Blank	SubContract
63B	Lab Blank	SubContract

CERTIFIED BY: Linda D. Truman

Laboratory Director

DATE: 10/09/09

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WORK ORDER #: 0908631FR1

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DATE REISSUED:	10/20/2009		

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01A	101545	SubContract
02A	101544	SubContract
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55A	101765	SubContract
56A	101760	SubContract
57A	101487	SubContract
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CERTIFIED BY: Linda S. Truman

Laboratory Director

DATE: 10/20/09

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LABORATORY NARRATIVE
ATL GC Application
Environmental Health & Engineering, Inc.
Workorder# 0908631E

Sixty Radiello 166 (SO2) samples were received on August 28, 2009. The samples were subcontracted to APPL, Inc for analysis.

Receiving Notes

The number of samples received did not match the information on the Chain of Custody (COC). Samples 101589 and 101677 were not received at Air Toxics Ltd. despite notation on the COC.

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# 0908631FR1

Sixty Radiello 166 (SO2) samples were received on August 28, 2009. The samples were subcontracted to APPL, Inc for analysis.

Receiving Notes

The number of samples received did not match the information on the Chain of Custody (COC). Samples 101589 and 101677 were not received at Air Toxics Ltd. despite notation on the COC.

Analytical Notes

The samples were subcontracted to APPL, Inc for analysis.

THE WORKORDER WAS REISSUED ON 10/20/09 TO CORRECT THE WORKORDER IDENTIICATION FOR THE LAB SAMPLE ID.

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.
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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

0010

Sample Results and Raw Data

AIR TOXICS LTD.

Radiello analysis by EPA 300.0 (Sulfur Dioxide)*

Spectrophotometer

0012

Field Sample I.D.	Lab Sample I.D.	Collection Date	Analysis Date	Dilution Factor	Reporting. Limit (ug)	Reporting. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
101545	0908631E-01A	8/24/2009	9/3/2009	1.00	17	7.5	ND	ND
101544	0908631E-02A	8/24/2009	9/3/2009	1.00	17	7.5	ND	ND
101543	0908631E-03A	8/24/2009	9/3/2009	1.00	17	7.5	ND	ND
101542	0908631E-04A	8/24/2009	9/3/2009	1.00	17	7.5	ND	ND
101541	0908631E-05A	8/24/2009	9/3/2009	1.00	17	7.5	ND	ND
101540	0908631E-06A	NA	9/3/2009	1.00	17	6.5	ND	ND
100411	0908631E-07A	8/24/2009	9/3/2009	1.00	17	7.0	ND	ND
100412	0908631E-08A	8/24/2009	9/3/2009	1.00	17	7.0	ND	ND
100413	0908631E-09A	8/24/2009	9/3/2009	1.00	17	7.0	ND	ND
100414	0908631E-10A	8/24/2009	9/3/2009	1.00	17	7.0	ND	ND
100415	0908631E-11A	8/24/2009	9/3/2009	1.00	17	7.0	ND	ND
100416	0908631E-12A	NA	9/3/2009	1.00	17	6.5	ND	ND
101182	0908631E-13A	8/25/2009	9/3/2009	1.00	17	6.5	ND	ND
101183	0908631E-14A	8/25/2009	9/3/2009	1.00	17	6.5	ND	ND
101184	0908631E-15A	8/25/2009	9/3/2009	1.00	17	6.5	ND	ND
101185	0908631E-16A	8/25/2009	9/3/2009	1.00	17	6.5	ND	ND
101186	0908631E-17A	8/25/2009	9/3/2009	1.00	17	6.5	ND	ND
101187	0908631E-18A	NA	9/3/2009	1.00	17	6.5	ND	ND
101254	0908631E-19A	8/23/2009	9/3/2009	1.00	17	8.1	ND	ND
101255	0908631E-20A	8/23/2009	9/3/2009	1.00	17	8.1	ND	ND

*Sulfate/Sulfite analysis performed by subcontracted laboratory.

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

AIR TOXICS LTD.

Radiello analysis by EPA 300.0 (Sulfur Dioxide)*

Spectrophotometer

Field Sample I.D.	Lab Sample I.D.	Collection Date	Analysis Date	Dilution Factor	Reporting. Limit (ug)	Reporting. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
101256	0908631E-21A	8/23/2009	9/9/2009	1.00	17	8.1	ND	ND
101257	0908631E-22A	8/23/2009	9/4/2009	1.00	17	8.1	ND	ND
101258	0908631E-23A	8/23/2009	9/4/2009	1.00	17	8.1	ND	ND
101259	0908631E-24A	NA	9/4/2009	1.00	17	6.5	ND	ND
101260	0908631E-25A	NA	9/4/2009	1.00	17	6.5	ND	ND
101587	0908631E-26A	8/27/2009	9/4/2009	1.00	17	6.5	ND	ND
101588	0908631E-27A	8/27/2009	9/4/2009	1.00	17	6.5	ND	ND
101590	0908631E-29A	8/27/2009	9/4/2009	1.00	17	6.5	ND	ND
101591	0908631E-30A	8/27/2009	9/4/2009	1.00	17	6.5	ND	ND
101592	0908631E-31A	NA	9/4/2009	1.00	17	6.5	ND	ND
101323	0908631E-32A	8/25/2009	9/4/2009	1.00	17	7.5	ND	ND
101324	0908631E-33A	8/25/2009	9/4/2009	1.00	17	7.5	ND	ND
101325	0908631E-34A	8/25/2009	9/4/2009	1.00	17	7.5	ND	ND
101326	0908631E-35A	8/25/2009	9/4/2009	1.00	17	7.5	ND	ND
101327	0908631E-36A	8/25/2009	9/4/2009	1.00	17	7.5	ND	ND
101328	0908631E-37A	NA	9/4/2009	1.00	17	6.5	ND	ND
101678	0908631E-39A	8/27/2009	9/4/2009	1.00	17	7.0	ND	ND
101679	0908631E-40A	8/27/2009	9/4/2009	1.00	17	7.0	ND	ND
101680	0908631E-41A	8/27/2009	9/4/2009	1.00	17	7.0	ND	ND
101681	0908631E-42A	8/27/2009	9/4/2009	1.00	17	7.0	ND	ND
101682	0908631E-43A	NA	9/4/2009	1.00	17	6.5	ND	ND

*Sulfate/Sulfite analysis performed by subcontracted laboratory.

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

0013

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)
101416	0908631E-44A	8/26/2009	9/4/2009	1.00	17	7.5	ND	ND
101417	0908631E-45A	8/26/2009	9/4/2009	1.00	17	7.5	ND	ND
101418	0908631E-46A	8/26/2009	9/4/2009	1.00	17	7.5	ND	ND
101419	0908631E-47A	8/26/2009	9/4/2009	1.00	17	7.5	ND	ND
101420	0908631E-48A	8/26/2009	9/4/2009	1.00	17	7.5	ND	ND
101421	0908631E-49A	NA	9/4/2009	1.00	17	6.5	ND	ND
101422	0908631E-50A	NA	9/4/2009	1.00	17	6.5	ND	ND
101761	0908631E-51A	8/27/2009	9/4/2009	1.00	17	7.5	ND	ND
101762	0908631E-52A	8/27/2009	9/4/2009	1.00	17	7.5	ND	ND
101763	0908631E-53A	8/27/2009	9/4/2009	1.00	17	7.5	ND	ND
101764	0908631E-54A	8/27/2009	9/4/2009	1.00	17	7.5	ND	ND
101765	0908631E-55A	8/27/2009	9/4/2009	1.00	17	7.5	ND	ND
101760	0908631E-56A	NA	9/4/2009	1.00	17	6.5	ND	ND
101487	0908631E-57A	8/26/2009	9/4/2009	1.00	17	8.1	ND	ND
101488	0908631E-58A	8/26/2009	9/4/2009	1.00	17	8.1	ND	ND
101489	0908631E-59A	8/26/2009	9/4/2009	1.00	17	8.1	ND	ND
101490	0908631E-60A	8/26/2009	9/4/2009	1.00	17	8.1	ND	ND
101491	0908631E-61A	8/26/2009	9/4/2009	1.00	17	8.1	ND	ND
101492	0908631E-62A	NA	9/4/2009	1.00	17	6.5	ND	ND
Method Blank	0908631E-63A	NA	9/4/2009	1.00	17	6.5	ND	ND
Method Blank	0908631E-63B	NA	9/4/2009	1.00	17	6.5	ND	ND

*Sulfate/Sulfite analysis performed by subcontracted laboratory.

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

0014

Sulfur Dioxide Radiello Calculation Worksheet

				MW	
Workorder #:	0908631E		Sulfate = SO_4^{-2}	96.062	To convert SO_3^{-2} to SO_4^{-2} multiply by molar mass ratio
Sampling Rate (ng/(ppb*min))	0.466	Typically 0.466 for SO2	Sulfite = SO_3^{-2}	80.063	Sulfate/sulfite = 96.062/80.063 = 1.2
Sampling T (deg C)	25	Typically 25			
Volume (mL)	5	Typically 5 for SO2			
Date of Analysis:	9/3/2009	8/27/2009	8/28/2009		

Total Conc SO_4^{-2} (mg/L) x Initial Vol (mL) x 1000ug x 1L / 1mgx1000mL

Conc SO_4^{-2} (ug) * MW SO_2 (64.06) / MW SO_4^{-2} (96.06)

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

LabSampleID	Client	Date of Collection	Conc Sulfate (SO_4^{-2}) (mg/L)	Conc Sulfite (SO_3^{-2}) (mg/L)	RL Sulfite/Sulfate (mg/L)	DF	Duration (min)	Total Conc SO_4^{-2} (mg/L)	Conc SO_4^{-2} (ug)	Conc SO_2 (ug)
01A	1015I5	8/24/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected	ND
02A	1015I4	8/24/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected	ND
03A	1015I3	8/24/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected	ND
04A	1015I2	8/24/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected	ND
05A	1015I1	8/24/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected	ND
06A	1015I0	NA	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected	ND
07A	100411	8/24/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected	ND
08A	100412	8/24/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected	ND
09A	100413	8/24/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected	ND
10A	100414	8/24/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected	ND
11A	100415	8/24/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected	ND
12A	100416	NA	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected	ND
13A	1011I2	8/25/2009	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected	ND
14A	1011I3	8/25/2009	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected	ND
15A	1011I4	8/25/2009	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected	ND
16A	1011I5	8/25/2009	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected	ND
17A	1011I6	8/25/2009	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected	ND
18A	1011I7	NA	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected	ND
19A	1012S4	8/23/2009	Not Detected	Not Detected	5.000	1.00	17280	Not Detected	Not Detected	ND
20A	1012S5	8/23/2009	Not Detected	Not Detected	5.000	1.00	17280	Not Detected	Not Detected	ND
21A	1012S6	8/23/2009	Not Detected	Not Detected	5.000	1.00	17280	Not Detected	Not Detected	ND
22A	1012S7	8/23/2009	Not Detected	Not Detected	5.000	1.00	17280	Not Detected	Not Detected	ND
23A	1012S8	8/23/2009	Not Detected	Not Detected	5.000	1.00	17280	Not Detected	Not Detected	ND
24A	1012S9	NA	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected	ND
25A	1012S0	NA	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected	ND
26A	1015I7	8/27/2009	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected	ND
27A	1015I6	8/27/2009	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected	ND
28A	1015I9	8/27/2009						0.000	0	0
29A	1015I0	8/27/2009	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected	ND
30A	1015I1	8/27/2009	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected	ND
31A	1015I2	NA	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected	ND
32A	1013I3	8/25/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected	ND
33A	1013I4	8/25/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected	ND
34A	1013I5	8/25/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected	ND
35A	1013I6	8/25/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected	ND
36A	1013I7	8/25/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected	ND
37A	1013I8	NA	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected	ND
38A	1016I7	8/27/2009						0.000	0	0
39A	1016I8	8/27/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected	ND
40A	1016I9	8/27/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected	ND
41A	1016I0	8/27/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected	ND
42A	1016I1	8/27/2009	Not Detected	Not Detected	5.000	1.00	20160	Not Detected	Not Detected	ND
43A	1016I2	NA	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected	ND
44A	1014I6	8/28/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected	ND
45A	1014I7	8/28/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected	ND
46A	1014I8	8/26/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected	ND
47A	1014I9	8/26/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected	ND
48A	1014I0	8/26/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected	ND
49A	1014I1	NA	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected	ND
50A	1014I2	NA	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected	ND
51A	1017I1	8/27/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected	ND
52A	1017I2	8/27/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected	ND
53A	1017I3	8/27/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected	ND
54A	1017I4	8/27/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected	ND
55A	1017I5	8/27/2009	Not Detected	Not Detected	5.000	1.00	18720	Not Detected	Not Detected	ND
56A	1017I0	NA	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected	ND
57A	101487	8/26/2009	Not Detected	Not Detected	5.000	1.00	17280	Not Detected	Not Detected	ND
58A	101488	8/26/2009	Not Detected	Not Detected	5.000	1.00	17280	Not Detected	Not Detected	ND
59A	101489	8/26/2009	Not Detected	Not Detected	5.000	1.00	17280	Not Detected	Not Detected	ND
60A	101490	8/26/2009	Not Detected	Not Detected	5.000	1.00	17280	Not Detected	Not Detected	ND
61A	101491	8/26/2009	Not Detected	Not Detected	5.000	1.00	17280	Not Detected	Not Detected	ND
62A	101492	NA	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected	ND
63A	Method Blank	NA	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected	ND
63B	Method Blank	NA	Not Detected	Not Detected	5.000	1.00	21600	Not Detected	Not Detected	ND
		CCV%R:					QC Duration 21600			

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

0015

Conc SO4-2(ug) *1000ng / Q x Duration*1ug	ppb SO2 * mw (64.06) / 24.45	RL SO_4^{-2} (mg/L) x Initial Vol (mL) x 1000ug x 1L / 1mgx1000mL	RL SO_4^{-2} (ug) * MW SO2 (64.06) / MW SO_4^{-2} (96.06)	RL SO_4^{-2}(ug) *1000ng / Q x Duration*1ug	ppb SO_2 * mw (64.06) / 24.45

Conc SO_2 (ppb)	Conc SO_2 (ug/m3)	RL SO_4^{-2} (ug)	RL SO_2 (uG)	RL SO_2 (ppb)	RL SO_2 (ug/m3)	Result SO_2 (ug)	Result SO_2(ug/m3)	%Rec
ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	25.000	16.67187175	3.105	8.134	ND	ND	
ND	ND	25.000	16.67187175	3.105	8.134	ND	ND	
ND	ND	25.000	16.67187175	3.105	8.134	ND	ND	
ND	ND	25.000	16.67187175	3.105	8.134	ND	ND	
ND	ND	25.000	16.67187175	3.105	8.134	ND	ND	
ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
#DIV/0!	#DIV/0!	0.000	0	#DIV/0!	#DIV/0!	0	#DIV/0!	
ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
#DIV/0!	#DIV/0!	0.000	0	#DIV/0!	#DIV/0!	0	#DIV/0!	
ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	25.000	16.67187175	2.661	6.972	ND	ND	
ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	25.000	16.67187175	2.866	7.509	ND	ND	
ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	25.000	16.67187175	3.105	8.134	ND	ND	
ND	ND	25.000	16.67187175	3.105	8.134	ND	ND	
ND	ND	25.000	16.67187175	3.105	8.134	ND	ND	
ND	ND	25.000	16.67187175	3.105	8.134	ND	ND	
ND	ND	25.000	16.67187175	3.105	8.134	ND	ND	
ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	
ND	ND	25.000	16.67187175	2.484	6.507	ND	ND	%Rec

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)
101545	0908631FR1-01A	8/24/2009	9/3/2009	1.00	5.3	1.5	ND	ND
101544	0908631FR1-02A	8/24/2009	9/3/2009	1.00	5.3	1.5	ND	ND
101543	0908631FR1-03A	8/24/2009	9/3/2009	1.00	5.3	1.5	ND	ND
101542	0908631FR1-04A	8/24/2009	9/3/2009	1.00	5.3	1.5	ND	ND
101541	0908631FR1-05A	8/24/2009	9/3/2009	1.00	5.3	1.5	ND	ND
101540	0908631FR1-06A	NA	9/3/2009	1.00	5.3	1.3	ND	ND
100411	0908631FR1-07A	8/24/2009	9/3/2009	1.00	5.3	1.4	ND	ND
100412	0908631FR1-08A	8/24/2009	9/3/2009	1.00	5.3	1.4	ND	ND
100413	0908631FR1-09A	8/24/2009	9/3/2009	1.00	5.3	1.4	ND	ND
100414	0908631FR1-10A	8/24/2009	9/3/2009	1.00	5.3	1.4	ND	ND
100415	0908631FR1-11A	8/24/2009	9/3/2009	1.00	5.3	1.4	ND	ND
100416	0908631FR1-12A	NA	9/3/2009	1.00	5.3	1.3	ND	ND
101182	0908631FR1-13A	8/25/2009	9/3/2009	1.00	5.3	1.3	ND	ND
101183	0908631FR1-14A	8/25/2009	9/3/2009	1.00	5.3	1.3	ND	ND
101184	0908631FR1-15A	8/25/2009	9/3/2009	1.00	5.3	1.3	ND	ND
101185	0908631FR1-16A	8/25/2009	9/3/2009	1.00	5.3	1.3	ND	ND
101186	0908631FR1-17A	8/25/2009	9/3/2009	1.00	5.3	1.3	ND	ND
101187	0908631FR1-18A	NA	9/3/2009	1.00	5.3	1.3	ND	ND
101254	0908631FR1-19A	8/23/2009	9/3/2009	1.00	5.3	1.6	ND	ND
101255	0908631FR1-20A	8/23/2009	9/3/2009	1.00	5.3	1.6	ND	ND

*Fluoride analysis performed by subcontracted laboratory.

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

AIR TOXICS LTD.

Radiello analysis by EPA 300.0 (Hydrofluoric Acid)*

Spectrophotometer

Field Sample I.D.	Lab Sample I.D.	Collection Date	Analysis Date	Dilution Factor	Reporting. Limit (ug)	Reporting. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
101256	0908631FR1-21A	8/23/2009	9/9/2009	1.00	5.3	1.6	ND	ND
101257	0908631FR1-22A	8/23/2009	9/4/2009	1.00	5.3	1.6	ND	ND
101258	0908631FR1-23A	8/23/2009	9/4/2009	1.00	5.3	1.6	ND	ND
101259	0908631FR1-24A	NA	9/4/2009	1.00	5.3	1.3	ND	ND
101260	0908631FR1-25A	NA	9/4/2009	1.00	5.3	1.3	ND	ND
101587	0908631FR1-26A	8/27/2009	9/4/2009	1.00	5.3	1.3	ND	ND
101588	0908631FR1-27A	8/27/2009	9/4/2009	1.00	5.3	1.3	ND	ND
101590	0908631FR1-29A	8/27/2009	9/4/2009	1.00	5.3	1.3	ND	ND
101591	0908631FR1-30A	8/27/2009	9/4/2009	1.00	5.3	1.3	ND	ND
101592	0908631FR1-31A	NA	9/4/2009	1.00	5.3	1.3	ND	ND
101323	0908631FR1-32A	8/25/2009	9/4/2009	1.00	5.3	1.5	ND	ND
101324	0908631FR1-33A	8/25/2009	9/4/2009	1.00	5.3	1.5	ND	ND
101325	0908631FR1-34A	8/25/2009	9/4/2009	1.00	5.3	1.5	ND	ND
101326	0908631FR1-35A	8/25/2009	9/4/2009	1.00	5.3	1.5	ND	ND
101327	0908631FR1-36A	8/25/2009	9/4/2009	1.00	5.3	1.5	ND	ND
101328	0908631FR1-37A	NA	9/4/2009	1.00	5.3	1.3	ND	ND
101678	0908631FR1-39A	8/27/2009	9/4/2009	1.00	5.3	1.4	ND	ND
101679	0908631FR1-40A	8/27/2009	9/4/2009	1.00	5.3	1.4	ND	ND

*Fluoride analysis performed by subcontracted laboratory.

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

AIR TOXICS LTD.

Radiello analysis by EPA 300.0 (Hydrofluoric Acid)*

Spectrophotometer

Field Sample I.D.	Lab Sample I.D.	Collection Date	Analysis Date	Dilution Factor	Reporting. Limit (ug)	Reporting. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
101680	0908631FR1-41A	8/27/2009	9/4/2009	1.00	5.3	1.4	ND	ND
101681	0908631FR1-42A	8/27/2009	9/4/2009	1.00	5.3	1.4	ND	ND
101682	0908631FR1-43A	NA	9/4/2009	1.00	5.3	1.3	ND	ND
101416	0908631FR1-44A	8/26/2009	9/4/2009	1.00	5.3	1.5	ND	ND
101417	0908631FR1-45A	8/26/2009	9/4/2009	1.00	5.3	1.5	ND	ND
101418	0908631FR1-46A	8/26/2009	9/4/2009	1.00	5.3	1.5	ND	ND
101419	0908631FR1-47A	8/26/2009	9/4/2009	1.00	5.3	1.5	ND	ND
101420	0908631FR1-48A	8/26/2009	9/4/2009	1.00	5.3	1.5	ND	ND
101421	0908631FR1-49A	NA	9/4/2009	1.00	5.3	1.3	ND	ND
101422	0908631FR1-50A	NA	9/4/2009	1.00	5.3	1.3	ND	ND
101761	0908631FR1-51A	8/27/2009	9/4/2009	1.00	5.3	1.5	ND	ND
101762	0908631FR1-52A	8/27/2009	9/4/2009	1.00	5.3	1.5	ND	ND
101763	0908631FR1-53A	8/27/2009	9/4/2009	1.00	5.3	1.5	ND	ND
101764	0908631FR1-54A	8/27/2009	9/4/2009	1.00	5.3	1.5	ND	ND
101765	0908631FR1-55A	8/27/2009	9/4/2009	1.00	5.3	1.5	ND	ND
101760	0908631FR1-56A	NA	9/4/2009	1.00	5.3	1.3	ND	ND
101487	0908631FR1-57A	8/26/2009	9/4/2009	1.00	5.3	1.6	ND	ND
101488	0908631FR1-58A	8/26/2009	9/4/2009	1.00	5.3	1.6	ND	ND
101489	0908631FR1-59A	8/26/2009	9/4/2009	1.00	5.3	1.6	ND	ND
101490	0908631FR1-60A	8/26/2009	9/4/2009	1.00	5.3	1.6	ND	ND

*Fluoride analysis performed by subcontracted laboratory.

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

AIR TOXICS LTD.

Radiello analysis by EPA 300.0 (Hydrofluoric Acid)*

Spectrophotometer

Field Sample I.D.	Lab Sample I.D.	-Collection Date	Analysis Date	Dilution Factor	Reporting. Limit (ug)	Reporting. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
101491	0908631FR1-61A	8/26/2009	9/4/2009	1.00	5.3	1.6	ND	ND
101492	0908631FR1-62A	NA	9/4/2009	1.00	5.3	1.3	ND	ND
Method Blank	0908631FR1-63A	NA	9/4/2009	1.00	5.3	1.3	ND	ND
Method Blank	0908631FR1-63B	NA	9/4/2009	1.00	5.3	1.3	ND	ND

*Fluoride analysis performed by subcontracted laboratory.

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

0020

Hydrofluoric Acid Radiello Calculation Worksheet

Workorder #:	0908631FR1	
Sampling Rate (ml/min)	187	Typically 187 for HF
Sampling T (deg C)	25	Typically 25
Initial Volume (mL)	5	Typically 5 for HF
Date of Analysis:	9/3/2009	
Corrected Q	187	No calc for temp correction

1.053 = Factor from F- to HF

1.053 = Factor from F- to HF

1.053 = Factor from F- to HF

1.053 = Factor from F- to HF

Conc (mg/L) x Initial Vol (mL) x 1000ug x 1L / 1mgx1000mL

Conc F- (ug)*1.053

Conc (ug) x 1.053 x 1000000 / Q x Duration (min)

RL(mg/L) x Initial Vol (mL) x 1000ug x 1L / 1mg x 1000 mL

RL F- (ug)*1.053

RL (ug) x 1.053 x 1000000 / Q x Duration (min)

LabSampleID	Client	Date of Collection	Conc F- (mg/L)	RL F- (mg/L)	DF	Duration (min)	Conc F- (ug)	Conc HF (ug)	Conc HF (ug/m3)	RL F- (ug)	RL HF (ug)	RL HF (ug/m3)	Result (ug)	Result (ug/m3)	Note:
01A	101545	8/24/2009	ND	1.000	1.00	18720	ND	ND	ND	5.000	5.3	1.504	ND	ND	
02A	101544	8/24/2009	ND	1.000	1.00	18720	ND	ND	ND	5.000	5.3	1.504	ND	ND	
03A	101543	8/24/2009	ND	1.000	1.00	18720	ND	ND	ND	5.000	5.3	1.504	ND	ND	
04A	101542	8/24/2009	ND	1.000	1.00	18720	ND	ND	ND	5.000	5.3	1.504	ND	ND	
05A	101541	8/24/2009	ND	1.000	1.00	18720	ND	ND	ND	5.000	5.3	1.504	ND	ND	
06A	101540	NA	ND	1.000	1.00	21600	ND	ND	ND	5.000	5.3	1.303	ND	ND	
07A	100411	8/24/2009	ND	1.000	1.00	20160	ND	ND	ND	5.000	5.3	1.397	ND	ND	
08A	100412	8/24/2009	ND	1.000	1.00	20160	ND	ND	ND	5.000	5.3	1.397	ND	ND	
09A	100413	8/24/2009	ND	1.000	1.00	20160	ND	ND	ND	5.000	5.3	1.397	ND	ND	
10A	100414	8/24/2009	ND	1.000	1.00	20160	ND	ND	ND	5.000	5.3	1.397	ND	ND	
11A	100415	8/24/2009	ND	1.000	1.00	20160	ND	ND	ND	5.000	5.3	1.397	ND	ND	
12A	100416	NA	ND	1.000	1.00	21600	ND	ND	ND	5.000	5.3	1.303	ND	ND	
13A	101182	8/25/2009	ND	1.000	1.00	21600	ND	ND	ND	5.000	5.3	1.303	ND	ND	
14A	101183	8/25/2009	ND	1.000	1.00	21600	ND	ND	ND	5.000	5.3	1.303	ND	ND	
15A	101184	8/25/2009	ND	1.000	1.00	21600	ND	ND	ND	5.000	5.3	1.303	ND	ND	
16A	101185	8/25/2009	ND	1.000	1.00	21600	ND	ND	ND	5.000	5.3	1.303	ND	ND	
17A	101186	8/25/2009	ND	1.000	1.00	21600	ND	ND	ND	5.000	5.3	1.303	ND	ND	
18A	101187	NA	ND	1.000	1.00	21600	ND	ND	ND	5.000	5.3	1.303	ND	ND	
19A	101254	8/23/2009	ND	1.000	1.00	17280	ND	ND	ND	5.000	5.3	1.629	ND	ND	
20A	101255	8/23/2009	ND	1.000	1.00	17280	ND	ND	ND	5.000	5.3	1.629	ND	ND	
21A	101256	8/23/2009	ND	1.000	1.00	17280	ND	ND	ND	5.000	5.3	1.629	ND	ND	
22A	101257	8/23/2009	ND	1.000	1.00	17280	ND	ND	ND	5.000	5.3	1.629	ND	ND	
23A	101258	8/23/2009	ND	1.000	1.00	17280	ND	ND	ND	5.000	5.3	1.629	ND	ND	
24A	101259	NA	ND	1.000	1.00	21600	ND	ND	ND	5.000	5.3	1.303	ND	ND	
25A	101260	NA	ND	1.000	1.00	21600	ND	ND	ND	5.000	5.3	1.303	ND	ND	
26A	101587	8/27/2009	ND	1.000	1.00	21600	ND	ND	ND	5.000	5.3	1.303	ND	ND	
27A	101588	8/27/2009	ND	1.000	1.00	21600	ND	ND	ND	5.000	5.3	1.303	ND	ND	
28A	101589	8/27/2009	ND	1.000	1.00		ND	ND	ND	5.000	5.3	#DIV/0!	ND	#DIV/0!	
29A	101590	8/27/2009	ND	1.000	1.00	21600	ND	ND	ND	5.000	5.3	1.303	ND	ND	
30A	101591	8/27/2009	ND	1.000	1.00	21600	ND	ND	ND	5.000	5.3	1.303	ND	ND	
31A	101592	NA	ND	1.000	1.00	21600	ND	ND	ND	5.000	5.3	1.303	ND	ND	
32A	101323	8/25/2009	ND	1.000	1.00	18720	ND	ND	ND	5.000	5.3	1.504	ND	ND	
33A	101324	8/25/2009	ND	1.000	1.00	18720	ND	ND	ND	5.000	5.3	1.504	ND	ND	
34A	101325	8/25/2009	ND	1.000	1.00	18720	ND	ND	ND	5.000	5.3	1.504	ND	ND	
35A	101326	8/25/2009	ND	1.000	1.00	18720	ND	ND	ND	5.000	5.3	1.504	ND	ND	
36A	101327	8/25/2009	ND	1.000	1.00	18720	ND	ND	ND	5.000	5.3	1.504	ND	ND	
37A	101328	NA	ND	1.000	1.00	21600	ND	ND	ND	5.000	5.3	1.303	ND	ND	
38A	101677	8/27/2009	ND	1.000	1.00		ND	ND	ND	5.000	5.3	#DIV/0!	ND	#DIV/0!	
39A	101678	8/27/2009	ND	1.000	1.00	20160	ND	ND	ND	5.000	5.3	1.397	ND	ND	
40A	101679	8/27/2009	ND	1.000	1.00	20160	ND	ND	ND	5.000	5.3	1.397	ND	ND	
41A	101680	8/27/2009	ND	1.000	1.00	20160	ND	ND	ND	5.000	5.3	1.397	ND	ND	
42A	101681	8/27/2009	ND	1.000	1.00	20160	ND	ND	ND	5.000	5.3	1.397	ND	ND	
43A	101682	NA	ND	1.000	1.00	21600	ND	ND	ND	5.000	5.3	1.303	ND	ND	
44A	101416	8/26/2009	ND	1.000	1.00	18720	ND	ND	ND	5.000	5.3	1.504	ND	ND	
45A	101417	8/26/2009	ND	1.000	1.00	18720	ND	ND	ND	5.000	5.3	1.504	ND	ND	
46A	101418	8/26/2009	ND	1.000	1.00	18720	ND	ND	ND	5.000	5.3	1.504	ND	ND	
47A	101419	8/26/2009	ND	1.000	1.00	18720	ND	ND	ND	5.000	5.3	1.504	ND	ND	
48A	101420	8/26/2009	ND	1.000	1.00	18720	ND	ND	ND	5.000	5.3	1.504	ND	ND	
49A	101421	NA	ND	1.000	1.00	21600	ND	ND	ND	5.000	5.3	1.303	ND	ND	
50A	101422	NA	ND	1.000	1.00	21600	ND	ND	ND	5.000	5.3	1.303	ND	ND	
51A	101761	8/27/2009	ND	1.000	1.00	18720	ND	ND	ND	5.000	5.3	1.504	ND	ND	
52A	101762	8/27/2009	ND	1.000	1.00	18720	ND	ND	ND	5.000	5.3	1.504	ND	ND	
53A	101763	8/27/2009	ND	1.000	1.00	18720	ND	ND	ND	5.000	5.3	1.504	ND	ND	
54A	101764	8/27/2009	ND	1.000	1.00	18720	ND	ND	ND	5.000	5.3	1.504	ND	ND	
55A	101765	8/27/2009	ND	1.000	1.00	18720	ND	ND	ND	5.000	5.3	1.504	ND	ND	
56A	101760	NA	ND	1.000	1.00	21600	ND	ND	ND	5.000	5.3	1.303	ND	ND	
57A	101487	8/26/2009	ND	1.000	1.00	17280	ND	ND	ND	5.000	5.3	1.629	ND	ND	
58A	101488	8/26/2009	ND	1.000	1.00	17280	ND	ND	ND	5.000	5.3	1.629	ND	ND	
59A	101489	8/26/2009	ND	1.000	1.00	17280	ND	ND	ND	5.000	5.3	1.629	ND	ND	
60A	101490	8/26/2009	ND	1.000	1.00	17280	ND	ND	ND	5.000	5.3	1.629	ND	ND	
61A	101491	8/26/2009	ND	1.000	1.00	17280	ND	ND	ND	5.000	5.3	1.629	ND	ND	
62A	101492	NA	ND	1.000	1.00	21600	ND	ND	ND	5.000	5.3	1.303	ND	ND	
63A	Method Blank	NA	ND	1.000	1.00	21600	ND	ND	ND	5.000	5.3	1.303	ND	ND	
63B	Method Blank	NA	ND	1.000	1.00	21600	ND	ND	ND	5.000	5.3	1.303	ND	ND	

Template verified by Hhayes 9/21/09

Added additional rows: AW 10/13/09

QC Duration: 21600

0021

Shipping/ Receiving Documents

Air Toxics LTD.
Laboratory Services Since 1989

180 Blue Ravine Road, Suite B
Folsom, CA 95630

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

COMPANY:	Environmental Health & Engineering, Inc.
ATTENTION:	Mr. Taeko Minegishi
FAX #:	781-247-4305
FROM:	Sample Receiving
Workorder #:	0908631E
# of pages (Including Cover):	4

10/21/2009

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

Air Toxics LTD.
Laboratory Services Since 1989

180 Blue Ravine Road, Suite B
Folsom, CA 95630

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

COMPANY: Environmental Health & Engineering, Inc.
ATTENTION: Mr. Taeko Minegishi
FAX #: 781-247-4305
FROM: Sample Receiving
Workorder #: 0908631FR1
# of pages (Including Cover): 4

10/21/2009

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

Environmental Health & Engineering, Inc.

CHAIN OF CUSTODY FORM

DATE: 27 AUG 09

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

0908631

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
1A	101545	AIR/PASSIVE	NO_2 SO_2 HF ANALYSIS	8/11/09	8/24/09	18720
2A	101544					
3A	101543					
4A	101542					
5A	101541					
6A	101540				Ø	
7A	100411			8/10/09	8/24/09	20160
8A	100412					
9A	100413					
0A	100414					
A	100415					
2A	100416				Ø	
3A	101182			8/10/09	8/25/09	21600
4A	101183					
5A	101184					
6A	101185					

Special Instructions:

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

☐ Fax results 781-247-4305

☐ RETURN SAMPLES ☒ Electronic transfer - datacoordinator@eheinc.com

☒ Additional report recipient mfragala@eheinc.com

Ex 8704 2333 1854

CUSTODY SEAL INTACT? Y N NONE TEMP 6°C

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

Relinquished by: [signature] of Environmental Health & Engineering, Inc. Date: 8/27/09

Received by: [signature] 0850 of (company name) ATL Date: 8/28/09

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 1 of 4

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

Environmental Health & Engineering, Inc.

CHAIN OF CUSTODY FORM

DATE: 27 AUG 09

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

0908631

TO: AIR TOXICS

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

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

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

For EH & E Data Coordinator - URGENT DATA ☒

	SAMPLE ID	SAMPLE TYPE	ANALYTICAL METHOD/NUMBER	START	OTHER: Time/Date/Vol.	STOP
7A	101186	AIR/PASSIVE	NO_2 SO_2 HF ANALYSIS	8/10/09	8/25/09	
8A	101187				Ø	
9A	101254			8/11/09	8/25/09	17280 ok
0A	101255					
1A	101256					
2A	101257					
3A	101258					
4A	101259				Ø	
5A	101260				Ø	
6A	101587			8/12/09	8/27/09	15840 21600
7A	101588					
8A	101589					
9A	101590					
0A	101591					
1A	101592			8/12/09	Ø	
2A	101323			8/12/09	8/25/09	18720

Special Instructions:

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

☐ Fax results 781-247-4305

☐ **RETURN SAMPLES** ☒ Electronic transfer - datacoordinator@eheinc.com

☒ Additional report recipient mfragala@eheinc.com

Fed ex 8704 2333 1854

CUSTODY SEAL INTACT? Y N NONE TEMP 6°C

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

Relinquished by: [signature] of Environmental Health & Engineering, Inc. Date: 8/27/09

Received by: [signature] 0850 of (company name) ATL Date: 8/27/09

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 4

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

Environmental Health & Engineering, Inc.

CHAIN OF CUSTODY FORM

DATE: 27 Aug 09

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

0908631

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
33A	101324	Air/Passive	NO_2 SO_2 HF Analysis	8/12/09	8/25/09 18720	
34A	101325					
35A	101326					
36A	101327					
37A	101328					
38A	101677			8/13/09	8/27/09 20160	
39A	101678					
40A	101679					
41A	101680					
42A	101681					
43A	101682					
44A	101416			8/13/09	8/26/09 18720	
45A	101417					
46A	101418					
47A	101419					
48A	101420					

Special Instructions:

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

Fedex 2704 2333 1854

CUSTODY SEAL INTACT? Y N NONE TEMP 4°C

☐ Fax results 781-247-4305

☐ **RETURN SAMPLES**

☑ Electronic transfer - datacoordinator@ehsinc.com

☑ Additional report recipient mmgala@ehsinc.com

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

Relinquished by: _____ of Environmental Health & Engineering, Inc. Date: 8/27/09

Received by: _____ of (company name) 0850 Date: 8/27/09

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

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

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

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

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

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

Environmental Health & Engineering, Inc.

CHAIN OF CUSTODY FORM

DATE: 27 Aug 09

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

0908631

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	OTHER: Time/Date/Vol.
9A	101421	AIR/PASSIVE	NO_2 SO_2 HF ANALYSIS — START 8/13/09	∅
DA	101422			∅
1A	101761		8/14/09	8/27/09 1812
2A	101762			
3A	101763			
4A	101764			
5A	101765			
6A	101760			∅
7A	101487		8/14/09	8/26/09 1920
8A	101488			
9A	101489			
0A	101490			
A	101491			
2A	101492			∅

Special Instructions:

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

☐ Fax results 781-247-4305

☐ **RETURN SAMPLES**

☒ Additional report recipient mfragola@ehenc.com

☒ Electronic transfer - datacoordinator@ehenc.com

Fedex 8704 2333 854

CUSTODY SEAL INTACT? X NONE TEMP 6.0C

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

Relinquished by: _____ of Environmental Health & Engineering, Inc. Date: 8/27/09

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

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

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

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

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

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

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

Air Toxics LTD.
Laboratory Services Since 1989

SAMPLE RECEIPT SUMMARY

WORKORDER 0908631E

Client

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

Phone

800-825-5343

Fax

781-247-4305

Sales Rep: TL

Date Promised: 09/22/09 11:59 pm
Date Completed: 10/9/09
Date Received: 8/28/09
PO#: 16512
Project#: 16512

Total $: $ 3,600.00
Logged By: MG

Fraction	Sample #	Analysis	Collected	Amount$
01A	101545	SubContract	8/24/2009	$0.00
02A	101544	SubContract	8/24/2009	$0.00
03A	101543	SubContract	8/24/2009	$0.00
04A	101542	SubContract	8/24/2009	$0.00
05A	101541	SubContract	8/24/2009	$0.00
06A	101540	SubContract	NA	$0.00
07A	100411	SubContract	8/24/2009	$0.00
08A	100412	SubContract	8/24/2009	$0.00
09A	100413	SubContract	8/24/2009	$0.00
10A	100414	SubContract	8/24/2009	$0.00
11A	100415	SubContract	8/24/2009	$0.00
12A	100416	SubContract	NA	$0.00
13A	101182	SubContract	8/25/2009	$0.00
14A	101183	SubContract	8/25/2009	$0.00
15A	101184	SubContract	8/25/2009	$0.00
16A	101185	SubContract	8/25/2009	$0.00
17A	101186	SubContract	8/25/2009	$0.00
18A	101187	SubContract	NA	$0.00
19A	101254	SubContract	8/23/2009	$0.00
20A	101255	SubContract	8/23/2009	$0.00

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

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

Analysis Code: SubContract

TERMS:

Reporting Method: ATL Application #61 NO2-Radiello 166

SAMPLE RECEIPT SUMMARY Continued

Client

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

Phone

800-825-5343

Fax

781-247-4305

Sales Rep: TL

Date Promised: 09/22/09 11:59 pm
Date Completed: 10/9/09
Date Received: 8/28/09
PO#: 16512
Project#: 16512

Total $: $ 3,600.00
Logged By: MG

Fraction	Sample #	Analysis	Collected	Amount$
21A	101256	SubContract	8/23/2009	$0.00
22A	101257	SubContract	8/23/2009	$0.00
23A	101258	SubContract	8/23/2009	$0.00
24A	101259	SubContract	NA	$0.00
25A	101260	SubContract	NA	$0.00
26A	101587	SubContract	8/27/2009	$0.00
27A	101588	SubContract	8/27/2009	$0.00
28A(cancelled	101589	SubContract	8/27/2009	$0.00
29A	101590	SubContract	8/27/2009	$0.00
30A	101591	SubContract	8/27/2009	$0.00
31A	101592	SubContract	NA	$0.00
32A	101323	SubContract	8/25/2009	$0.00
33A	101324	SubContract	8/25/2009	$0.00
34A	101325	SubContract	8/25/2009	$0.00
35A	101326	SubContract	8/25/2009	$0.00
36A	101327	SubContract	8/25/2009	$0.00
37A	101328	SubContract	NA	$0.00
38A(cancelled	101677	SubContract	8/27/2009	$0.00
39A	101678	SubContract	8/27/2009	$0.00
40A	101679	SubContract	8/27/2009	$0.00

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

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

Analysis Code: SubContract

TERMS:

Reporting Method: ATL Application #61 NO2-Radiello 166

SAMPLE RECEIPT SUMMARY Continued

Client

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

Sales Rep: TL

Phone

800-825-5343

Fax

781-247-4305

Date Promised: 09/22/09 11:59 pm
Date Completed: 10/9/09
Date Received: 8/28/09
PO#: 16512
Project#: 16512

Total $: $ 3,600.00
Logged By: MG

Fraction	Sample #	Analysis	Collected	Amount$
41A	101680	SubContract	8/27/2009	$0.00
42A	101681	SubContract	8/27/2009	$0.00
43A	101682	SubContract	NA	$0.00
44A	101416	SubContract	8/26/2009	$0.00
45A	101417	SubContract	8/26/2009	$0.00
46A	101418	SubContract	8/26/2009	$0.00
47A	101419	SubContract	8/26/2009	$0.00
48A	101420	SubContract	8/26/2009	$0.00
49A	101421	SubContract	NA	$0.00
50A	101422	SubContract	NA	$0.00
51A	101761	SubContract	8/27/2009	$0.00
52A	101762	SubContract	8/27/2009	$0.00
53A	101763	SubContract	8/27/2009	$0.00
54A	101764	SubContract	8/27/2009	$0.00
55A	101765	SubContract	8/27/2009	$0.00
56A	101760	SubContract	NA	$0.00
57A	101487	SubContract	8/26/2009	$0.00
58A	101488	SubContract	8/26/2009	$0.00
59A	101489	SubContract	8/26/2009	$0.00
60A	101490	SubContract	8/26/2009	$0.00

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

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

Analysis Code: SubContract

TERMS:

Reporting Method: ATL Application #61 NO2-Radiello 166

SAMPLE RECEIPT SUMMARY Continued

Client

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

Sales Rep: TL

Phone

800-825-5343

Fax

781-247-4305

Date Promised: 09/22/09 11:59 pm
Date Completed: 10/9/09
Date Received: 8/28/09
PO#: 16512
Project#: 16512

Total $: $ 3,600.00
Logged By: MG

Fraction	Sample #	Analysis	Collected	Amount$
61A	101491	SubContract	8/26/2009	$0.00
62A	101492	SubContract	NA	$0.00
63A	Lab Blank	SubContract	NA	$0.00
63B	Lab Blank	SubContract	NA	$0.00

Misc. Charges	eCVP (60) @ $5.00 each.	$300.00
	Subcontract (60) @ $55.00 each.	$3,300.00

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

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

Analysis Code: SubContract

TERMS:

Reporting Method: ATL Application #61 NO2-Radiello 166

Air Toxics LTD.
Laboratory Services Since 1989

SAMPLE RECEIPT SUMMARY

WORKORDER 0908631FR1

Client

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

Sales Rep: TL

Phone

800-825-5343

Fax

781-247-4305

Date Promised: 10/20/09 11:59 pm
Date Completed: 10/20/09
Date Received: 8/28/09
PO#: 16512
Project#: 16512

Total $: $ 0.00
Logged By: MG

Fraction	Sample #	Analysis	Collected	Amount$
01A	101545	SubContract	8/24/2009	$0.00
02A	101544	SubContract	8/24/2009	$0.00
03A	101543	SubContract	8/24/2009	$0.00
04A	101542	SubContract	8/24/2009	$0.00
05A	101541	SubContract	8/24/2009	$0.00
06A	101540	SubContract	NA	$0.00
07A	100411	SubContract	8/24/2009	$0.00
08A	100412	SubContract	8/24/2009	$0.00
09A	100413	SubContract	8/24/2009	$0.00
10A	100414	SubContract	8/24/2009	$0.00
11A	100415	SubContract	8/24/2009	$0.00
12A	100416	SubContract	NA	$0.00
13A	101182	SubContract	8/25/2009	$0.00
14A	101183	SubContract	8/25/2009	$0.00
15A	101184	SubContract	8/25/2009	$0.00
16A	101185	SubContract	8/25/2009	$0.00
17A	101186	SubContract	8/25/2009	$0.00
18A	101187	SubContract	NA	$0.00
19A	101254	SubContract	8/23/2009	$0.00
20A	101255	SubContract	8/23/2009	$0.00

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

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

Analysis Code: SubContract

TERMS: NET 30

Reporting Method: ATL Application #61 NO2-Radiello 166

SAMPLE RECEIPT SUMMARY Continued

Client

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

Sales Rep: TL

Phone

800-825-5343

Fax

781-247-4305

Date Promised: 10/20/09 11:59 pm
Date Completed: 10/20/09
Date Received: 8/28/09
PO#: 16512
Project#: 16512

Total $: $ 0.00
Logged By: MG

Fraction	Sample #	Analysis	Collected	Amount$
21A	101256	SubContract	8/23/2009	$0.00
22A	101257	SubContract	8/23/2009	$0.00
23A	101258	SubContract	8/23/2009	$0.00
24A	101259	SubContract	NA	$0.00
25A	101260	SubContract	NA	$0.00
26A	101587	SubContract	8/27/2009	$0.00
27A	101588	SubContract	8/27/2009	$0.00
28A(cancelled	101589	SubContract	8/27/2009	$0.00
29A	101590	SubContract	8/27/2009	$0.00
30A	101591	SubContract	8/27/2009	$0.00
31A	101592	SubContract	NA	$0.00
32A	101323	SubContract	8/25/2009	$0.00
33A	101324	SubContract	8/25/2009	$0.00
34A	101325	SubContract	8/25/2009	$0.00
35A	101326	SubContract	8/25/2009	$0.00
36A	101327	SubContract	8/25/2009	$0.00
37A	101328	SubContract	NA	$0.00
38A(cancelled	101677	SubContract	8/27/2009	$0.00
39A	101678	SubContract	8/27/2009	$0.00
40A	101679	SubContract	8/27/2009	$0.00

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

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

Analysis Code: SubContract

TERMS: NET 30

Reporting Method: ATL Application #61 NO2-Radiello 166

SAMPLE RECEIPT SUMMARY Continued

Client

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

Sales Rep: TL

Phone

800-825-5343

Fax

781-247-4305

Date Promised: 10/20/09 11:59 pm
Date Completed: 10/20/09
Date Received: 8/28/09
PO#: 16512
Project#: 16512

Total $: $ 0.00
Logged By: MG

Fraction	Sample #	Analysis	Collected	Amount$
41A	101680	SubContract	8/27/2009	$0.00
42A	101681	SubContract	8/27/2009	$0.00
43A	101682	SubContract	NA	$0.00
44A	101416	SubContract	8/26/2009	$0.00
45A	101417	SubContract	8/26/2009	$0.00
46A	101418	SubContract	8/26/2009	$0.00
47A	101419	SubContract	8/26/2009	$0.00
48A	101420	SubContract	8/26/2009	$0.00
49A	101421	SubContract	NA	$0.00
50A	101422	SubContract	NA	$0.00
51A	101761	SubContract	8/27/2009	$0.00
52A	101762	SubContract	8/27/2009	$0.00
53A	101763	SubContract	8/27/2009	$0.00
54A	101764	SubContract	8/27/2009	$0.00
55A	101765	SubContract	8/27/2009	$0.00
56A	101760	SubContract	NA	$0.00
57A	101487	SubContract	8/26/2009	$0.00
58A	101488	SubContract	8/26/2009	$0.00
59A	101489	SubContract	8/26/2009	$0.00
60A	101490	SubContract	8/26/2009	$0.00

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

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

Analysis Code: SubContract

TERMS: NET 30

Reporting Method: ATL Application #61 NO2-Radiello 166

SAMPLE RECEIPT SUMMARY Continued

Client

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

Sales Rep: TL

Phone

800-825-5343

Fax

781-247-4305

Date Promised: 10/20/09 11:59 pm
Date Completed: 10/20/09
Date Received: 8/28/09
PO#: 16512
Project#: 16512

Total $: $ 0.00
Logged By: MG

Fraction	Sample #	Analysis	Collected	Amount$
61A	101491	SubContract	8/26/2009	$0.00
62A	101492	SubContract	NA	$0.00
63A	Lab Blank	SubContract	NA	$0.00
63B	Lab Blank	SubContract	NA	$0.00

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

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

Analysis Code: SubContract

TERMS: NET 30

Reporting Method: ATL Application #61 NO2-Radiello 166

Sample Discrepancy Report

Identification

Initiated By: MW **Project ID:** 13297 **PM:** AS **Date:** 8/28/2009 **Discrepancy Type:** ☐ 1. ☒ 2. ☐ 3.

Workorder(s) affected: 0908631 **Sample(s) affected:** 28A, 38A

1. Sample Receipt Discrepancies

Narration Not Required:

1.1. ☐ Sample container (cartridge/tube/VOA vial) was received broken, however sample was intact.

1.2. ☐ No brass cap on canister.

1.3. ☐ Date of Collection noted on first sample, but no arrow down to indicate all samples.

Notify Lab for further determination:

1.4. ☐ Tedlar bag received with minimal volume.

Initials: _____ Date: _____

Narration Required in Lab Narrative and Sample Confirmation:

1.5. ☐ COC was not filled out in ink.

1.6. ☐ COC improperly relinquished / received.

1.7. ☐ Sample tags / can numbers do not match the COC.

1.8. ☐ Sample date ☐ error / ☐ missing on COC but noted on sample tag (check one).

1.9. ☐ Custody Seal on the outside of the container was ☐ broken / ☐ improperly placed (check one).

1.10. ☐ ID-none on the sample Tag/Blank

1.11. ☐ Other (describe below).

Describe the Discrepancy: _____

2. Sample Receipt/Screening Discrepancies requiring PM notification

Document on Cover Page of Sample Receipt Confirmation and in Receiving Notes of Lab Narrative

If Section II. is filled out PM must be notified within 24 hrs of initiation

2.1. ☒ COC was not received with samples.

2.2. ☐ Analysis method(s) is ☐ not specified / ☐ incorrectly specified (check one) on the COC.

2.3. ☐ Incorrect sampling media / container for analysis requested.

2.4. ☐ Number of samples on the COC does not match the number of samples that were received.

2.5. ☐ Samples were received expired.

2.6. ☐ Sampling date (time for sulfur) is not documented for ☐ *some* / ☐ *any* samples (check one).

2.7. ☐ Sample received with amount of H_2O in the Tedlar Bag.

2.8. ☐ Sample cannot be analyzed. Container was ☐ received broken / ☐ leaking / ☐ flat / ☐ defective.

2.9. ☐ Tedlar bag / canister received emitting a strong odor; Sample ☐ can / ☐ cannot (check one) be analyzed.

2.10. ☐ Tedlar Bag for Sulfur analysis has metal fitting.

2.11. ☐ Environmental Supply Company valves

2.12. ☐ Sorbent samples-sampling volume was not provided

2.13. ☐ Flow controller used – canister samples received at ambient or under pressure.

2.14. ☐ Canister was at ambient pressure at time of pressurization and (check all that apply):

- ☐ Canister failed leak check on two manifolds,
- ☐ Canister valve was open,
- ☐ Brass nut was loose/not present.
- ☐ Sample can be analyzed
- ☐ Cannot be analyzed

2.15. ☐ Canister sample received with a vacuum difference >5.0"Hg between the receipt vac. And the final vac. reported on the COC, indicating loss of vacuum.

2.16. ☐ Canister sample received at >15"Hg (*not* identified as a Trip/Field Blank).

2.17. ☐ Canister Trip Blank received at low vacuum (< 25"Hg).

2.18. ☐ Sorbent Sample received outside method required temperature of 2°C to 6°C; ☐ ice / ☐ blue ice (check one) was present. A temp. Blank ☐ was / ☐ was not present (check one).

2.19. ☐ Other (describe below)

Initials: _____ **Date:** _____ **Notify Receiving:** ☐ **Notify PM:** ☐

Describe the Discrepancy: Sample 38A - 101677, was not received - will put on hold until further notice

Sample 28A - 101589, was not received. Will currently place on hold until further notice

3. Lab Discrepancies requiring Team Leader/PM notification

Document in Analytical Notes of Lab Narrative

If Section III. is filled out PM must be notified within 24 hrs of initiation

3.1. ☐ Tedlar Bag found to be leaking at the time of analysis; sample ☐ can / ☐ cannot (check one) be analyzed.

3.2. ☐ Tedlar Bag found to be flat/low volume; sample cannot be analyzed.

3.3. ☐ Sulfur samples received with insufficient time to analyze prior to expiration.

3.4. ☐ Canister found to be leaking at the time of analysis.

3.5. ☐ VOST tube saturated; bag dilution necessary.

3.6. ☐ Sample loss due to instrument malfunction / broken glassware.

3.7. ☐ Low/high surrogate recoveries noted in QC/sample(s) for extractable samples.

3.8. ☐ Reporting Limit was raised.

3.9. ☐ Post weight > Pre weight in field/lab Blank for PM10/TSP samples.

3.10. ☐ Other (describe below).

Initials: _____ **Date:** _____ **Notify Receiving:** ☐ **Notify PM:** ☐

Team Lead Initials: _____ **Date:** _____

Describe the Discrepancy: _____

_____

_____

How Does this Affect Client: _____

_____

_____

Project Manager Use Only

Project Manager Notification ☒ **Section 2 Complete** ☐ **Section 3 Complete**

Action:

☐ It is not necessary to notify the client. Narrate the discrepancy in Receiving Notes/Analytical Notes of Lab Narrative.

PM Initials:_____ Date: _____

☒ Client notification required. See attached client contact / email, or comments below:

Client Notification:

PM Initials:AS Person notified: B.Baker Date: 8/31/2009

☐ Waiting for Client Reply

Comments: **Client did not indicate the missing samples would be submitted. Please narrate and proceed.**

_____

☐ Notify Lab Name: _____ Date: _____ **Notify Receiving:** ☒

☐ **Additional notifications attached.**

Additional Comments:

____

Other Records

@Air Toxics Ltd.

DATA REVIEW CHECKLIST

Work Order #: 0908631 E/F

A_1	A_2	R	T	M	Q	
☐	☐	☑	☐	☑	☑	Analysis/Reporting vs. Project Profile/SOP requirements checked (i.e. 100% Dups, J-Flag to MDL, etc)
		☑	☐	☑	☐	The final report has the correct reporting list, special units, and header info.
		☑	☐	☑	☑	Lab Narrative is correct (proper method & description/Receiving & Analytical notes correct)
		N/A	☐	☑	☐	Sample Discrepancy Report (SDR) is completed
☐	☐	☐	☐	N/A	☐	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
		N/A	☐	N/A	☐	Appropriate data qualifier flags are applied
		☐	☐	N/A	☐	Manual integrations for samples and QC are properly documented
☐	☐	☑	☐		☐	Samples analyzed within the project or method specific clock
		N/A	☐			Retention times have been verified
☐	☐	☑	☐		☐	Appropriate ICAL(s) included
		☑	☐	N/A	☐	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)
		N/A	☐			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.)
☐	☐	N/A	☐			Data for multiple analyses of sample(s) has been evaluated for comparability of results
		N/A		☑		Special units for all samples in the final report are correctly calculated
		☑	☐	N/A		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
		N/A				Date MDL(s) performed per instrument(s) _____
☐	☐	☐				Samples pressurized w/ appropriate gas (N_2 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.)
				N/A		MDL date(s) present for all instruments utilized
		☐	☐	N/A	☐	Client LUMEN report reviewed for accuracy and completeness

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

A/R: 28A + 38A not received

Subcontracted data. Converted Sulfate/Sulfite to SO_2 in-house.
F- subcontracted HF

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: cy 10/9/09	AW 10/9/09	
A_2:	T:	HF- JR 10/16/09	

Note (1): Please check all the appropriate boxes. Indicate "NA" for any statement that does not apply. Rev. 07/2004

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

@Air Toxics Ltd.

REISSUED-DATA REVIEW CHECKLIST Work Order #: 0908631F

Reason for re-issue: To correct workorder fraction in the excel spreadsheet

R	T	M	Q	
☑	☐	☑	☐	Re-Issue Request Form Present
☑	☐	☑	☐	Client or QA or Lab contact present with reason for re-issue
☑	☐	☑	☐	Review all affected data
☑	☐	☑	☐	Report header has correct R1, R2 etc
☑	☐	☑	☐	The Lab Narrative clearly explains the re-issue (Date, Reason and whether client requested)
☑	☐	☐	☐	Date for Re-Issue in Report Header matches date in Lab Narrative
☑	☐	☐	☐	Check Project Profile for correct reporting instructions (multiple clients, # hardcopies etc.)
☐	☐	☐	☐	Corrective Action issued - #
	☐	☐	☐	The re-issued work order has been approved by QA Manager or a Technical Director _____ (initials/date)

R (Reporting Review/Date)	T (Technical Review/Date)	M (Management Review/Date)	Q (QA Review/Date)
LM 10/19/09		JM 10/19/09	

REISSUED-DATA REVIEW CHECKLIST Work Order #:

Reason for re-issue: _____

R	T	M	Q	
☐	☐	☐	☐	Re-Issue Request Form Present
☐	☐	☐	☐	Client or QA or Lab contact present with reason for re-issue
☐	☐	☐	☐	Review all affected data
☐	☐	☐	☐	Report header has correct R1, R2 etc
☐	☐	☐	☐	The Lab Narrative clearly explains the re-issue (Date, Reason and whether client requested)
☐	☐	☐	☐	Date for Re-Issue in Report Header matches date in Lab Narrative
☐	☐	☐	☐	Check Project Profile for correct reporting instructions (multiple clients, # hardcopies etc.)
☐	☐	☐	☐	Corrective Action issued - #
	☐	☐	☐	The re-issued work order has been approved by QA Manager or a Technical Director _____ (initials/date)

R (Reporting Review/Date)	T (Technical Review/Date)	M (Management Review/Date)	Q (QA Review/Date)

Additional Comments:

Note (1): Please check all the appropriate boxes. Indicate "NA" for any statement that does not apply. Rev. 02/20/09
Note (2): Management reviewer and reporting reviewer must be separate individuals.

Laboratory Report

Air Toxics, Ltd

16512

ARF 59670

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.

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

EPA Method 300.0
Sulfate/Sulfide & Fluoride
Case Narrative

ARF: 59670

Project: 16512

State Certification Number: CA1312 (DW & WW)

NELAP Certification number: 05233CA (HW)

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

Sample Receipt Information:

The sample group was received on September 3, 2009, at 6.0°C. The sample group was assigned Analytical Request Form (ARF) number 59670. 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
101545	AY02559	WATER	NA	09/03/09
101544	AY02560	WATER	NA	09/03/09
101543	AY02561	WATER	NA	09/03/09
101542	AY02562	WATER	NA	09/03/09
101541	AY02563	WATER	NA	09/03/09
101540	AY02564	WATER	NA	09/03/09
100411	AY02565	WATER	NA	09/03/09
100412	AY02566	WATER	NA	09/03/09
100413	AY02567	WATER	NA	09/03/09
100414	AY02568	WATER	NA	09/03/09
100415	AY02569	WATER	NA	09/03/09
100416	AY02570	WATER	NA	09/03/09
101182	AY02571	WATER	NA	09/03/09
101183	AY02572	WATER	NA	09/03/09
101184	AY02573	WATER	NA	09/03/09
101185	AY02574	WATER	NA	09/03/09
101186	AY02575	WATER	NA	09/03/09
101187	AY02576	WATER	NA	09/03/09
101254	AY02577	WATER	NA	09/03/09
101255	AY02578	WATER	NA	09/03/09
101256	AY02579	WATER	NA	09/03/09
101257	AY02580	WATER	NA	09/03/09
101258	AY02581	WATER	NA	09/03/09

101259	AY02582	WATER	NA	09/03/09
101260	AY02583	WATER	NA	09/03/09
101587	AY02584	WATER	NA	09/03/09
101588	AY02585	WATER	NA	09/03/09
101590	AY02586	WATER	NA	09/03/09
101591	AY02587	WATER	NA	09/03/09
101592	AY02588	WATER	NA	09/03/09
101323	AY02589	WATER	NA	09/03/09
101324	AY02590	WATER	NA	09/03/09
101325	AY02591	WATER	NA	09/03/09
101326	AY02592	WATER	NA	09/03/09
101327	AY02593	WATER	NA	09/03/09
101328	AY02594	WATER	NA	09/03/09
101678	AY02595	WATER	NA	09/03/09
101679	AY02596	WATER	NA	09/03/09
101680	AY02597	WATER	NA	09/03/09
101681	AY02598	WATER	NA	09/03/09
101682	AY02599	WATER	NA	09/03/09
101416	AY02600	WATER	NA	09/03/09
101417	AY02601	WATER	NA	09/03/09
101418	AY02602	WATER	NA	09/03/09
101419	AY02603	WATER	NA	09/03/09
101420	AY02604	WATER	NA	09/03/09
101421	AY02605	WATER	NA	09/03/09
101422	AY02606	WATER	NA	09/03/09
101761	AY02607	WATER	NA	09/03/09
101762	AY02608	WATER	NA	09/03/09
101763	AY02609	WATER	NA	09/03/09
101764	AY02610	WATER	NA	09/03/09
101765	AY02611	WATER	NA	09/03/09
101760	AY02612	WATER	NA	09/03/09
101487	AY02613	WATER	NA	09/03/09
101488	AY02614	WATER	NA	09/03/09
101489	AY02615	WATER	NA	09/03/09
101490	AY02616	WATER	NA	09/03/09
101491	AY02617	WATER	NA	09/03/09
101492	AY02618	WATER	NA	09/03/09
METHOD BLANK 1	AY02619	WATER	NA	09/03/09
METHOD BLANK 2	AY02620	WATER	NA	09/03/09

Sample Preparation Information:

The samples were received as extracts.

Analysis Information:

Samples:

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

Calibrations:

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

Blanks:

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

Spikes:

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

No sample was designated for MS/MSD analysis.

Summary:

No analytical exception is noted.

CERTIFICATION

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

9/17/09

Leonard Fong, Ph.D, Laboratory Director / Date

INORGANIC ANALYSIS
Chain of Custody and ARF

APPL, INC.

APPL - Analysis Request Form 59670

Client: **Air Toxics Ltd.**
Address: **180 Blue Ravine Rd.**
Folsom, CA 95630
Attn: **Ausha Scott**
Phone: **916-605-3344** Fax: **916-985-1020**
Job: **16512**
PO #: **0908631E**
Chain of Custody (Y/N): **Y** #
RAD Screen (Y/N): **Y** pH (Y/N): **N**
Turn Around Type: **2 WEEKS**

Received by: **TBV**
Date Received: **09/03/09** Time: **09:50**
Delivered by: **FED EX**
Shuttle Custody Seals (Y/N): **N**
Chest Temp(s): **6.0°C**
Color: **A-GREEN**
Samples Chilled until Placed in Refrig/Freezer: **Y**
Project Manager: **Diane Anderson** DA
QC Report Type: **DVP4/EDD/CA**
Due Date: **09/17/09**

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

Sample Distribution:
Wetlab: 62-$300WSO3(F,SO4)

Charges:

Invoice To:

	Client ID	APPL ID	Sampled	Analyses Requested
1.	101545	AY02559W	NA 00:00	$300WSO3(F,SO4) -- already been extracted
2.	101544	AY02560W	NA 00:00	$300WSO3(F,SO4) -- already been extracted
3.	101543	AY02561W	NA 00:00	$300WSO3(F,SO4) -- already been extracted
4.	101542	AY02562W	NA 00:00	$300WSO3(F,SO4) -- already been extracted
5.	101541	AY02563W	NA 00:00	$300WSO3(F,SO4) -- already been extracted
6.	101540	AY02564W	NA 00:00	$300WSO3(F,SO4) -- already been extracted
7.	100411	AY02565W	NA 00:00	$300WSO3(F,SO4) -- already been extracted

8. 100412	AY02566W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
9. 100413	AY02567W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
10. 100414	AY02568W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
11. 100415	AY02569W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
12. 100416	AY02570W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
13. 101182	AY02571W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
14. 101183	AY02572W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
15. 101184	AY02573W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
16. 101185	AY02574W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
17. 101186	AY02575W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
18. 101187	AY02576W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
19. 101254	AY02577W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
20. 101255	AY02578W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
21. 101256	AY02579W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
22. 101257	AY02580W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
23. 101258	AY02581W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
24. 101259	AY02582W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
25. 101260	AY02583W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
26. 101587	AY02584W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
27. 101588	AY02585W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
28. 101590	AY02586W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
29. 101591	AY02587W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
30. 101592	AY02588W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
31. 101323	AY02589W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
32. 101324	AY02590W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
33. 101325	AY02591W	NA	00:00	$300WSO3(F,SO4) -- already been extracted

34. 101326	AY02592W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
35. 101327	AY02593W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
36. 101328	AY02594W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
37. 101678	AY02595W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
38. 101679	AY02596W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
39. 101680	AY02597W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
40. 101681	AY02598W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
41. 101682	AY02599W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
42. 101416	AY02600W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
43. 101417	AY02601W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
44. 101418	AY02602W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
45. 101419	AY02603W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
46. 101420	AY02604W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
47. 101421	AY02605W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
48. 101422	AY02606W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
49. 101761	AY02607W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
50. 101762	AY02608W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
51. 101763	AY02609W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
52. 101764	AY02610W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
53. 101765	AY02611W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
54. 101760	AY02612W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
55. 101487	AY02613W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
56. 101488	AY02614W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
57. 101489	AY02615W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
58. 101490	AY02616W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
59. 101491	AY02617W	NA	00:00	$300WSO3(F,SO4) -- already been extracted

60. 101492	AY02618W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
61. METHOD BLANK 1	AY02619W	NA	00:00	$300WSO3(F,SO4) -- already been extracted
62. METHOD BLANK 2	AY02620W	NA	00:00	$300WSO3(F,SO4) -- already been extracted

Initials _____ Date _____

APPL Sample Receipt Form

ARF# **59670**

Sample	Container Type	Count	pH
AY02559	26 Other	1	na
AY02560	26 Other	1	na
AY02561	26 Other	1	na
AY02562	26 Other	1	na
AY02563	26 Other	1	na
AY02564	26 Other	1	na
AY02565	26 Other	1	na
AY02566	26 Other	1	na
AY02567	26 Other	1	na
AY02568	26 Other	1	na
AY02569	26 Other	1	na
AY02570	26 Other	1	na
AY02571	26 Other	1	na
AY02572	26 Other	1	na
AY02573	26 Other	1	na
AY02574	26 Other	1	na
AY02575	26 Other	1	na
AY02576	26 Other	1	na
AY02577	26 Other	1	na
AY02578	26 Other	1	na
AY02579	26 Other	1	na
AY02580	26 Other	1	na
AY02581	26 Other	1	na
AY02582	26 Other	1	na
AY02583	26 Other	1	na
AY02584	26 Other	1	na
AY02585	26 Other	1	na
AY02586	26 Other	1	na
AY02587	26 Other	1	na
AY02588	26 Other	1	na
AY02589	26 Other	1	na
AY02590	26 Other	1	na
AY02591	26 Other	1	na
AY02592	26 Other	1	na
AY02593	26 Other	1	na
AY02594	26 Other	1	na
AY02595	26 Other	1	na
AY02596	26 Other	1	na
AY02597	26 Other	1	na
AY02598	26 Other	1	na
AY02599	26 Other	1	na
AY02600	26 Other	1	na
AY02601	26 Other	1	na
AY02602	26 Other	1	na
AY02603	26 Other	1	na

Sample	Container Type	Count	pH
AY02604	26 Other	1	na
AY02605	26 Other	1	na
AY02606	26 Other	1	na
AY02607	26 Other	1	na
AY02608	26 Other	1	na
AY02609	26 Other	1	na
AY02610	26 Other	1	na
AY02611	26 Other	1	na
AY02612	26 Other	1	na
AY02613	26 Other	1	na
AY02614	26 Other	1	na
AY02615	26 Other	1	na
AY02616	26 Other	1	na
AY02617	26 Other	1	na
AY02618	26 Other	1	na
AY02619	26 Other	1	na
AY02620	26 Other	1	na

Air Toxics LTD.

Sample Transportation Notice

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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

Chain-of-Custody Record

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

Collected By (print and sign):

Project Information:

P.O. # 0908631E
Project # 16512
Project Name

Turn Around Time:

☒ Normal
☐ Rush
Specify

Reporting Units:

☐ ppmv
☐ ppbv
☐ ug/m3
☐ mg/m3

Lab I.D.	Field Sample I.D.	Tube/ Cartridge	Date of Collection	Start Time	End Time	Duration	Final Volume	Analysis Requested
	101545							Sulfite, Sulfate and Fluoride by
	101544							Method 300
	101543							
	101542							
	101541							
	101540							
	100411							
	100412							
	100413							
	100414							

Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time
Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time
Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time 9/3/09 950

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

Notes:

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Air Toxics LTD.

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

Collected By (print and sign):

Project Information:

P.O. # 0908631E
Project # 16512
Project Name

Turn Around Time:

☒ Normal
☐ Rush
Specify

Reporting Units:

☐ ppmv
☐ ppbv
☐ ug/m3
☐ mg/m3

Lab I.D.	Field Sample I.D.	Tube/ Cartridge	Date of Collection	Start Time	End Time	Duration	Final Volume	Analysis Requested
	100415							Sulfite, Sulfate and Fluoride by
	100416							Method 300
	101182							
	101183							
	101184							
	101185							
	101186							
	101187							
	101254							
	101255							

Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time
Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time
Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time 9/3/09 950

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

Notes:

Air Toxics LTD.

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Chain-of-Custody Record

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Company:Air Toxics Ltd.
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Collected By (print and sign):

Project Information:

P.O. # 0908631E
Project # 16512
Project Name

Turn Around Time:

☒ Normal
☐ Rush
Specify

Reporting Units:

☐ ppmv
☐ ppbv
☐ ug/m3
☐ mg/m3

Lab I.D.	Field Sample I.D.	Tube/ Cartridge	Date of Collection	Start Time	End Time	Duration	Final Volume	Analysis Requested
	101256							Sulfite, Sulfate and Fluoride by
	101257							Method 300
	101258							
	101259							
	101260							
	101587							
	101588							
	101590							
	101591							
	101592							

Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time
Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time
Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time 9/3/09 950

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

Notes:

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Air Toxics LTD.

Sample Transportation Notice

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Chain-of-Custody Record

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

Collected By (print and sign):

Project Information:

P.O. # 0908631E
Project # 16512
Project Name

Turn Around Time:

☒ Normal
☐ Rush
Specify

Reporting Units:

☐ ppmv
☐ ppbv
☐ ug/m3
☐ mg/m3

Lab I.D.	Field Sample I.D.	Tube/ Cartridge	Date of Collection	Start Time	End Time	Duration	Final Volume	Analysis Requested
	101323							Sulfite, Sulfate and Fluoride by
	101324							Method 300
	101325							
	101326							
	101327							
	101328							
	101678							
	101679							
	101680							
	101681							

Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time	Pump Calibration Information Pre-test Flow Rate:	Notes:
Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time	Post-test Flow Rate:	
Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time 9/3/08 950	Average Flow Rate:	

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Chain-of-Custody Record

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

Collected By (print and sign):

Project Information:

P.O. # 0908631E
Project # 16512
Project Name

Turn Around Time:

☒ Normal
☐ Rush
Specify

Reporting Units:

☐ ppmv
☐ ppbv
☐ ug/m3
☐ mg/m3

Lab I.D.	Field Sample I.D.	Tube/ Cartridge	Date of Collection	Start Time	End Time	Duration	Final Volume	Analysis Requested
	101682							Sulfite, Sulfate and Fluoride by
	101416							Method 300
	101417							
	101418							
	101419							
	101420							
	101421							
	101422							
	101761							
	101762							

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

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

Relinquished By: (Signature) Date/Time
Received By: (Signature) Date/Time 9/3/09 950

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

Notes:

Air Toxics LTD.

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916-985-1020 fax line

Chain-of-Custody Record

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

Project Information:
P.O. # 0908631E
Project # 16512
Project Name

Turn Around Time:
☒ Normal
☐ Rush Specify

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

Lab I.D.	Field Sample I.D.	Tube/ Cartridge	Date of Collection	Start Time	End Time	Duration	Final Volume	Analysis Requested
	101763							Sulfite, Sulfate and Fluoride by
	101764							Method 300
	101765							
	101760							
	101487							
	101488							
	101489							
	101490							
	101491							
	101492							

Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time	Pump Calibration Information Pre-test Flow Rate:	Notes:
Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time	Post-test Flow Rate:	
Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time 7/3/09 950	Average Flow Rate:	

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Air Toxics LTD.

Sample Transportation Notice

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Chain-of-Custody Record

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

Collected By (print and sign):

Project Information:

P.O. # 0908631E
Project # 16512
Project Name

Turn Around Time:

☒ Normal
☐ Rush
Specify

Reporting Units:

☐ ppmv
☐ ppbv
☐ ug/m3
☐ mg/m3

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

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

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

Relinquished By: (Signature) Date/Time
Received By: (Signature) Date/Time
9/3/09 950

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

Notes:

20

COOLER RECEIPT FORM

1) Project: 16512 Date Received: 9/3/09

2) Coolers: Number of Coolers: 1

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

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

5) Name on seal?_____

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

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

8) Shipping slip numbers: 1) 4080 5020 8345 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.): vail box holder, bubble wrap, in blue ice

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

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

14) Serial number of certified NIST thermometer used: 139267 Correction factor: 0

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

Chain of custody:

16) YES NO Was a chain of custody received?

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

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

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

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

Sample Labels:

21) YES NO Were container labels in good condition?

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

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

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

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

Sample Containers:

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

27) YES NO Did all containers arrive unbroken?

28) YES NO Was there any leakage from samples?

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

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

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

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

Larger than a pea: _____

Smaller than a pea: _____

Preservation & Hold time:

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

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

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

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

Lab notified if pH was not adequate:_____

Deficiencies: COC was not sign. No collection time nor date on COC or label

Signature of personnel receiving samples: Yang Zu Second reviewer: _____

Signature of project manager notified: Renee Date and Time of notification: 9-3-09

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	09/03/09	09/03/09	$300WS-090903A-AY0255
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/03/09	09/03/09	$300WS-090903A-AY0255
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/03/09	09/03/09	$300WS-090903A1-AY025
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/03/09	09/03/09	$300WS-090903A1-AY025
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/09/09	09/09/09	$300WS-090909A-AY0257
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/09/09	09/09/09	$300WS-090909A-AY0257
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09	$300WS-090903A2-AY025
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09	$300WS-090903A2-AY025
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09	$300WS-090903A3-AY026
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09	$300WS-090903A3-AY026

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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	5.0	4.86	97.2	90-110	09/03/09	09/03/09	$300WS-090903A-AY02559
EPA 300.0	Sulfate/Sulfite total	50.0	47.4	94.8	90-110	09/03/09	09/03/09	$300WS-090903A-AY02559

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	5.0	4.80	96.0	90-110	09/03/09	09/03/09	S300WS-090903A1-AY02571
EPA 300.0	Sulfate/Sulfite total	50.0	46.8	93.6	90-110	09/03/09	09/03/09	S300WS-090903A1-AY02571

Comments: _____

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Printed: 09/16/09 9:47:31 AM
APPL Standard LCS

Laboratory Control Spike Recovery

WETLAB

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Compound Name	Spike Level mg/L	SPK Result mg/L	SPK % Recovery	Recovery Limits	Extract Date	Analysis Date	QC Group
EPA 300.0	Fluoride	5.00	4.94	98.8	90-110	09/09/09	09/09/09	$300WS-090909A-AY02579
EPA 300.0	Sulfate/Sulfite total	50.0	51.4	103	90-110	09/09/09	09/09/09	$300WS-090909A-AY02579

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	4.83	96.6	90-110	09/04/09	09/04/09	S300WS-090903A2-AY02591
EPA 300.0	Sulfate/Sulfite total	50.0	46.8	93.6	90-110	09/04/09	09/04/09	S300WS-090903A2-AY02591

Comments: _____

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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	4.88	97.6	90-110	09/04/09	09/04/09	S300WS-090903A3-AY02611
EPA 300.0	Sulfate/Sulfite total	50.0	47.0	94.0	90-110	09/04/09	09/04/09	S300WS-090903A3-AY02611

Comments: _____

INORGANIC ANALYSIS
Sample Data

APPL, INC.

Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101545

Sample Collection Date: No Date Specified

APPL ID: AY02559

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/03/09	09/03/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/03/09	09/03/09

Form 1 - APPL Standard Wetlab - No MC
Printed: 09/16/09 9:49:59 AM

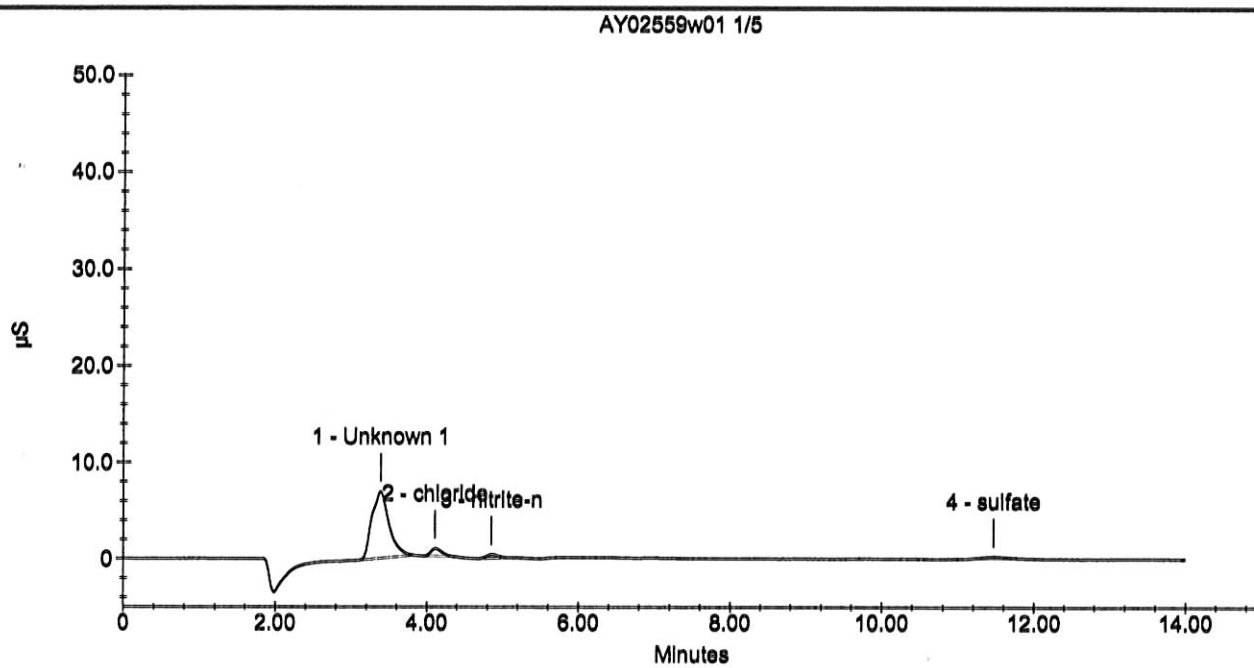
Sample Analysis Report

Sample Name : AY02559w01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_014.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/3/09 12:39:24
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	3.39	Unknown 1	0.0000	1085832	68942	
2	4.11	chloride	5.3624	76911	7820	
3	4.85	nitrite-n	0.3535	38671	3639	
4	11.47	sulfate	2.4745	33861	1694	



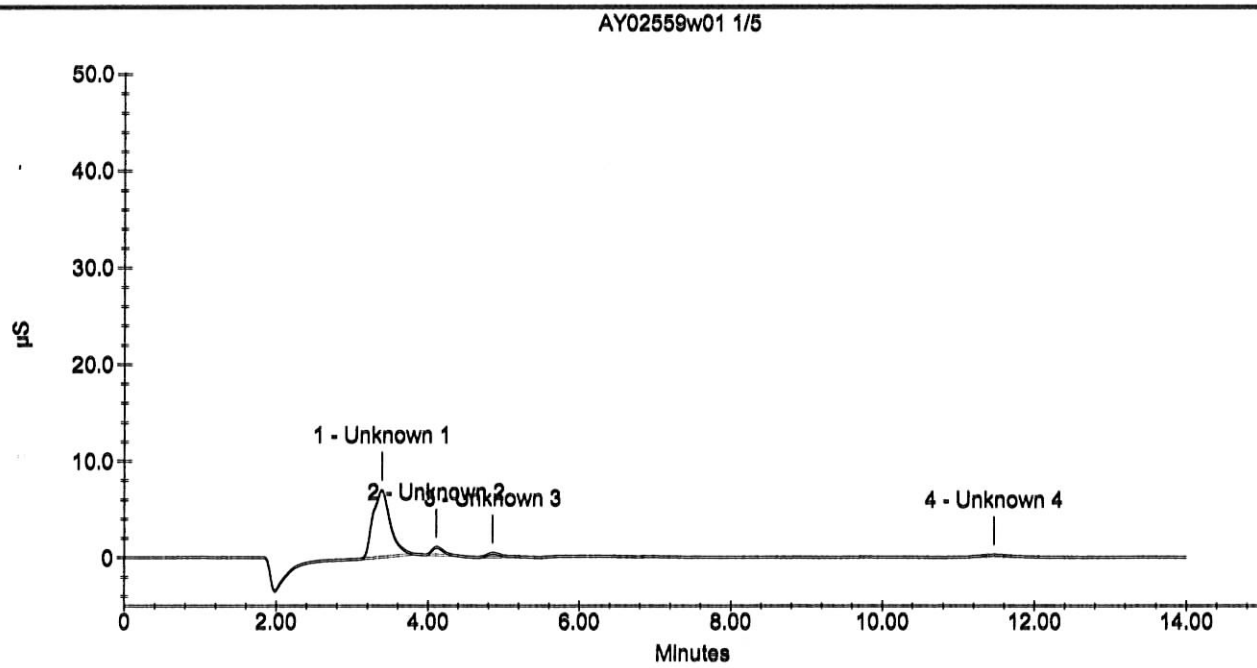
Sample Analysis Report

Sample Name : AY02559w01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_014.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/3/09 12:39:24
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	3.39	Unknown 1	0.0000	1085832	68942	
2	4.11	Unknown 2	0.0000	76911	7820	
3	4.85	Unknown 3	0.0000	38671	3639	
4	11.47	Unknown 4	0.0000	33861	1694	



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101544

Sample Collection Date: No Date Specified

APPL ID: AY02560

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/03/09	09/03/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/03/09	09/03/09

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Sample Analysis Report

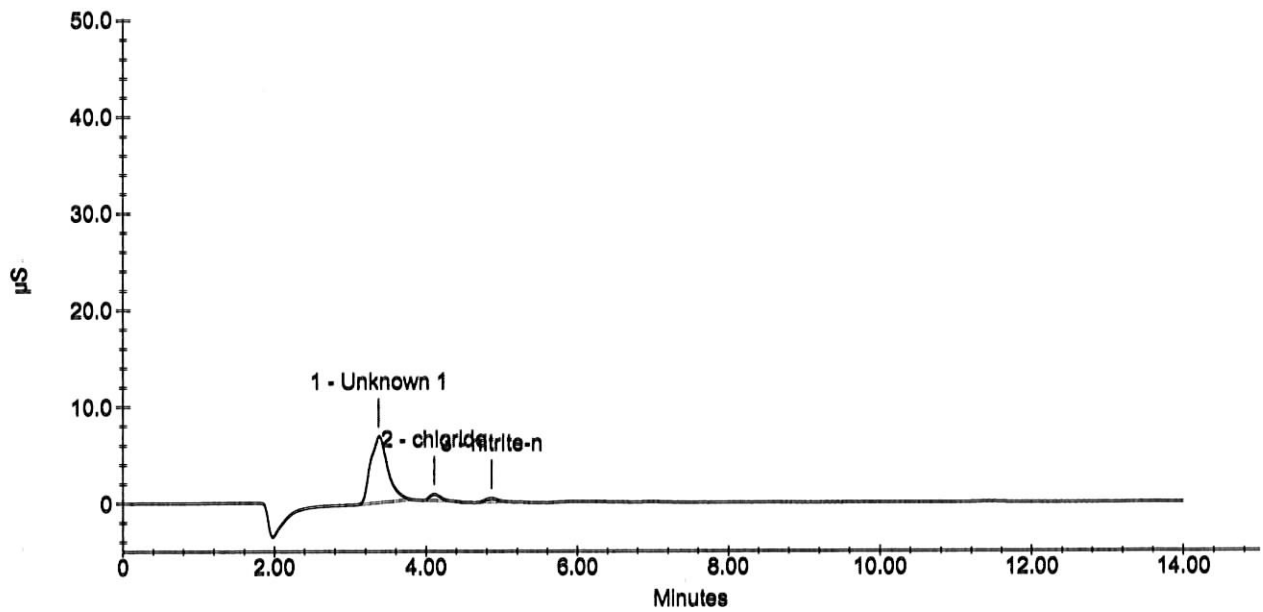
Sample Name : AY02560W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_015.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/3/09 12:56:15
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	3.37	Unknown 1	0.0000	1073661	67836	
2	4.11	chloride	5.2555	60444	6273	
3	4.87	nitrite-n	0.3561	39373	3710	

AY02560W01 1/5



Sample Analysis Report

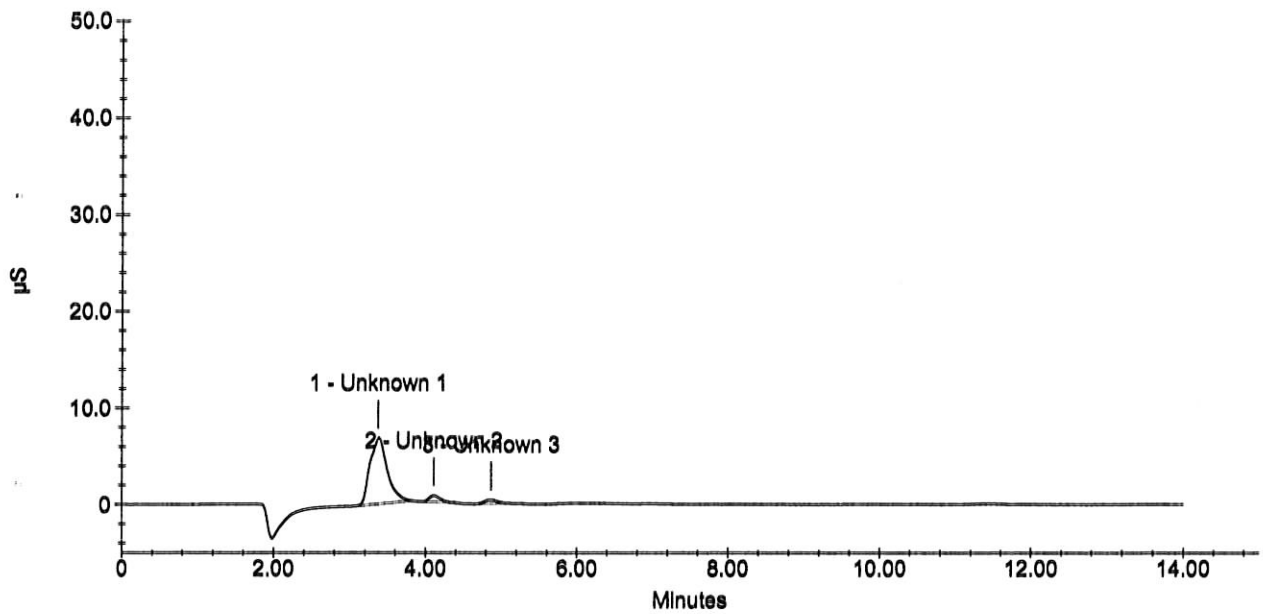
Sample Name : AY02560W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_015.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/3/09 12:56:15
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	3.37	Unknown 1	0.0000	1073661	67836	
2	4.11	Unknown 2	0.0000	60444	6273	
3	4.87	Unknown 3	0.0000	39373	3710	

AY02560W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101543

APPL ID: AY02561

Sample Collection Date: No Date Specified

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/03/09	09/03/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/03/09	09/03/09

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Sample Analysis Report

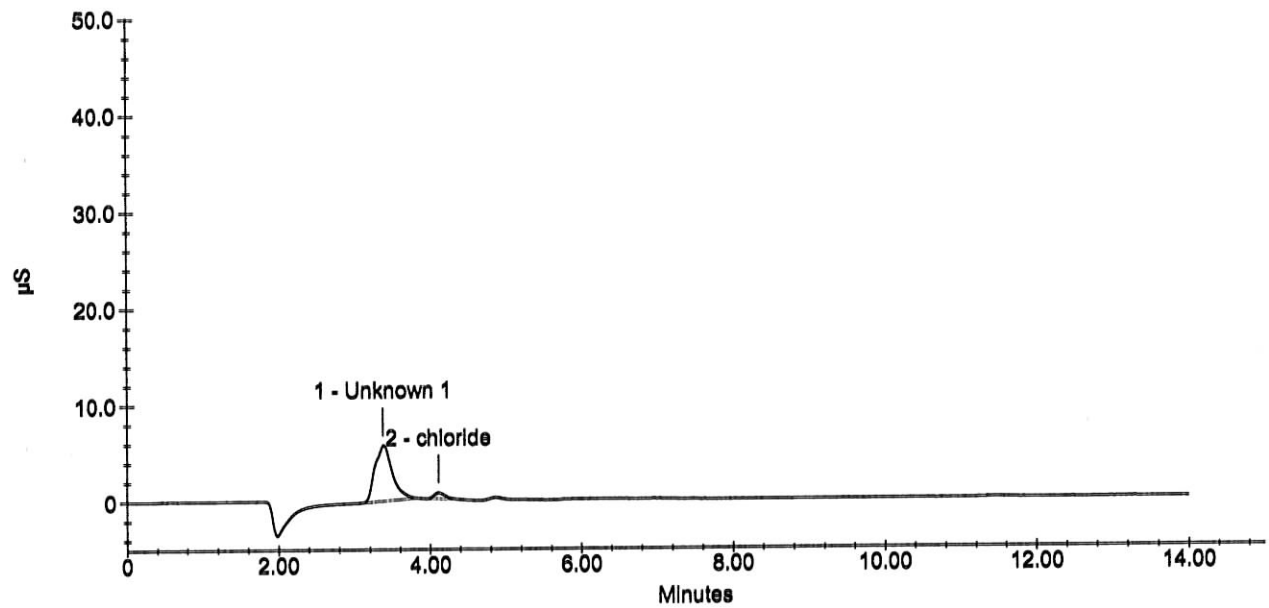
Sample Name : AY02561W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_016.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/3/09 13:12:52
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	3.37	Unknown 1	0.0000	908219	57103	
2	4.11	chloride	5.2414	58271	5992	

AY02561W01 1/5



Sample Analysis Report

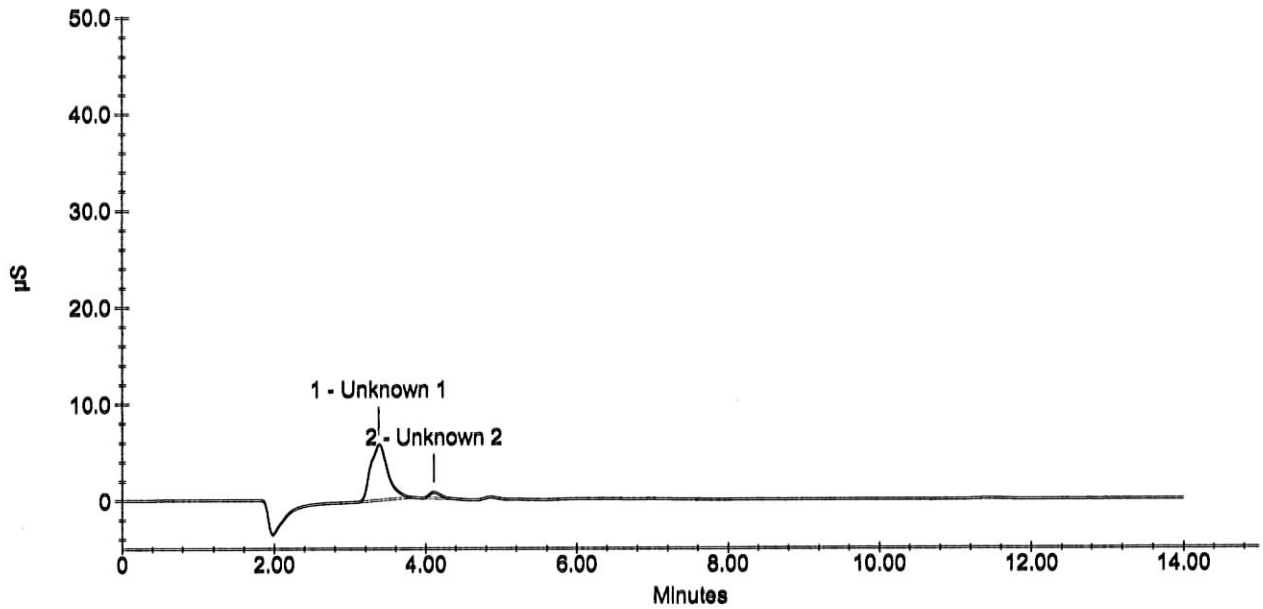
Sample Name : AY02561W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_016.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/3/09 13:12:52
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	3.37	Unknown 1	0.0000	908219	57103	
2	4.11	Unknown 2	0.0000	58271	5992	

AY02561W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101542
Sample Collection Date: No Date Specified

APPL ID: AY02562
ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/03/09	09/03/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/03/09	09/03/09

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Sample Analysis Report

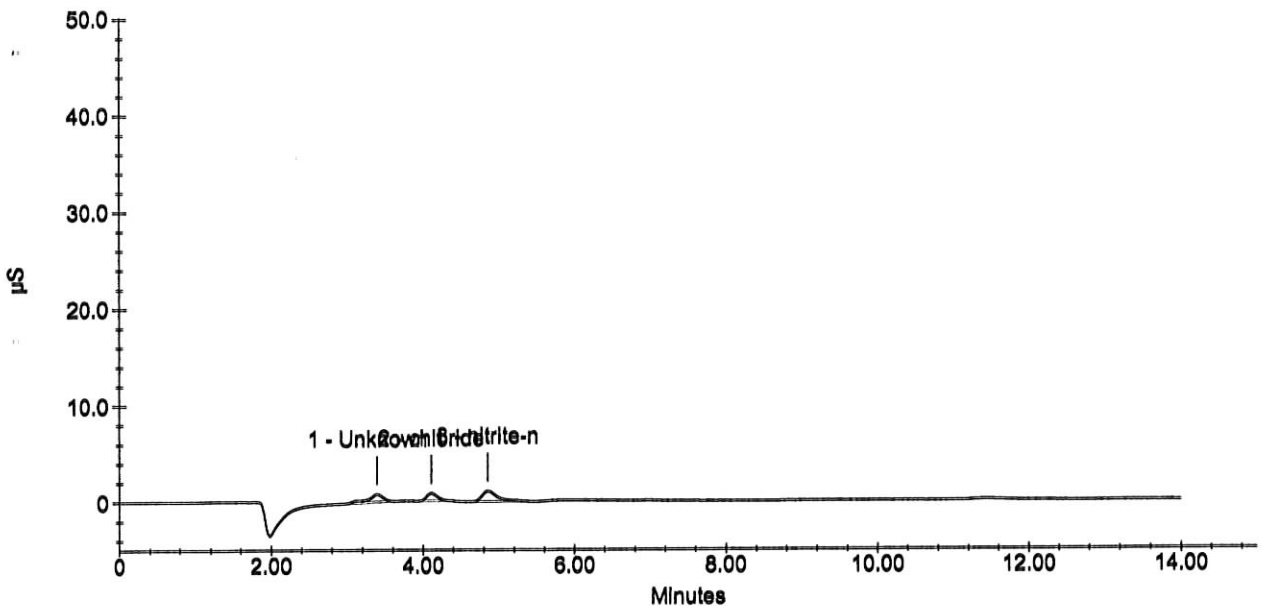
Sample Name : AY02562W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_017.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/3/09 13:29:29
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	3.39	Unknown 1	0.0000	104310	7680	
2	4.11	chloride	5.3209	70516	7510	
3	4.85	nitrite-n	0.7561	145119	10600	

AY02562W01 1/5



Sample Analysis Report

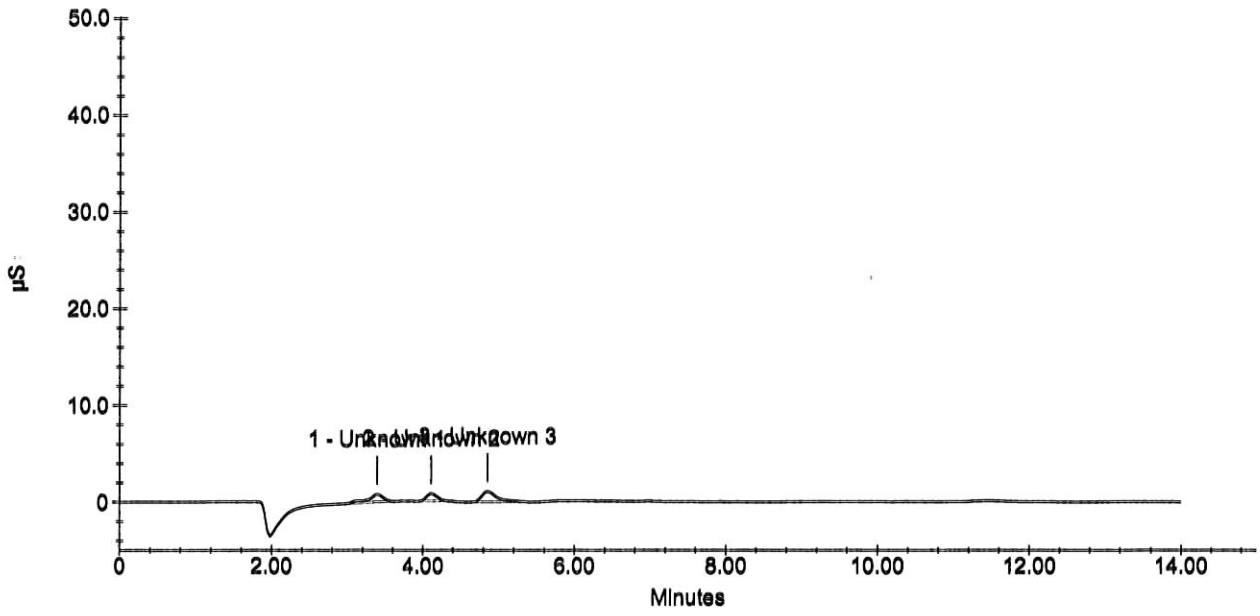
Sample Name : AY02562W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_017.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/3/09 13:29:29
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	3.39	Unknown 1	0.0000	104310	7680	
2	4.11	Unknown 2	0.0000	70516	7510	
3	4.85	Unknown 3	0.0000	145119	10600	

AY02562W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101541
Sample Collection Date: No Date Specified

APPL ID: AY02563
ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/03/09	09/03/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/03/09	09/03/09

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Sample Analysis Report

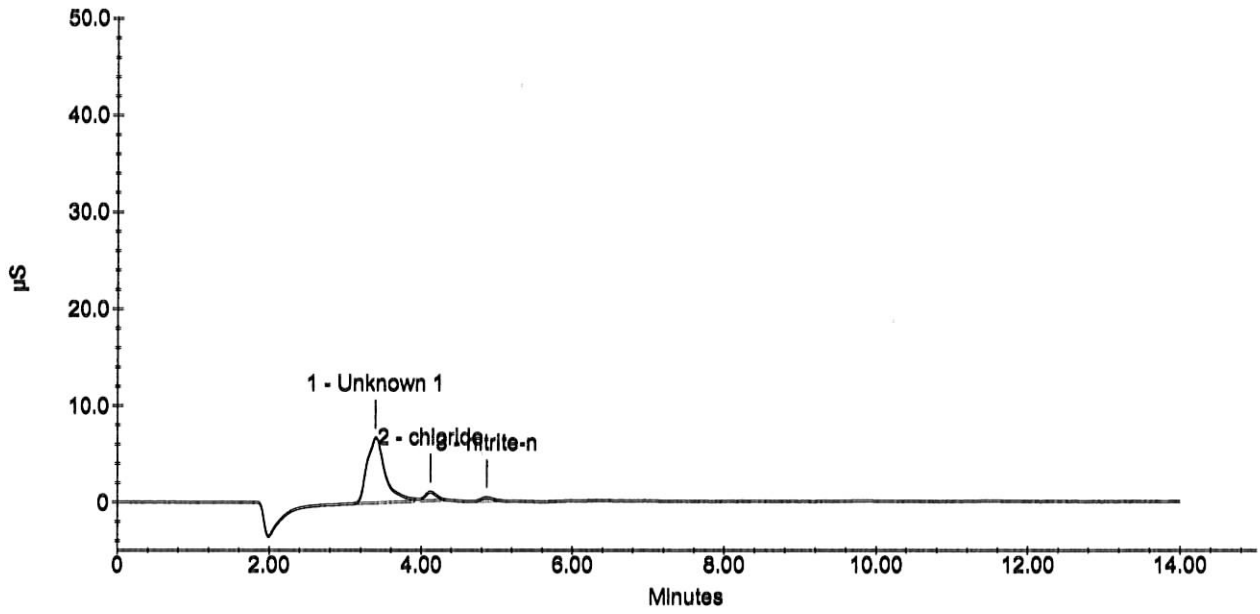
Sample Name : AY02563W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_030.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-01-09Low.met
Date Time Collected : 9/3/09 5:27:56 PM
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	3.39	Unknown 1	0.000	1117095	66775	
2	4.12	chloride	5.479	94908	8777	
3	4.87	nitrite-n	0.353	38645	3561	

AY02563W01 1/5



Sample Analysis Report

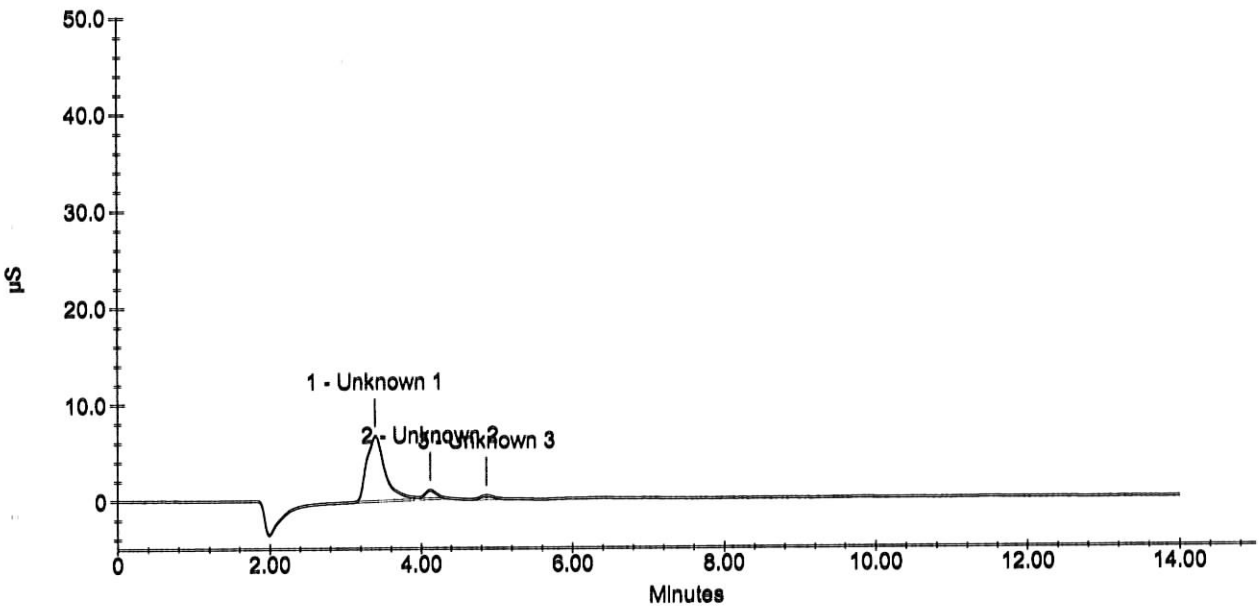
Sample Name : AY02563W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_030.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/3/09 17:27:56
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	3.39	Unknown 1	0.0000	1117095	66775	
2	4.12	Unknown 2	0.0000	94908	8777	
3	4.87	Unknown 3	0.0000	38645	3561	

AY02563W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101540

APPL ID: AY02564

Sample Collection Date: No Date Specified

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/03/09	09/03/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/03/09	09/03/09

Form 1 - APPL Standard Wetlab - No MC
Printed: 09/16/09 9:49:59 AM

Sample Analysis Report

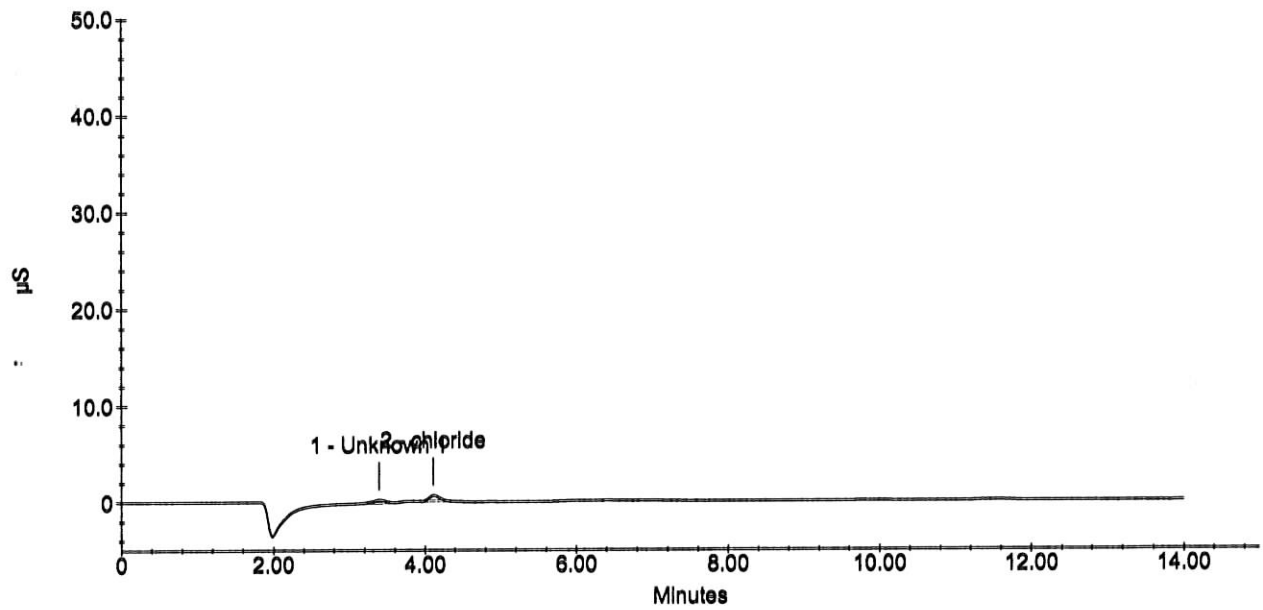
Sample Name : AY02564W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_031.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-01-09Low.met
Date Time Collected : 9/3/09 5:44:37 PM
System Operator : pd
Injection Number : 31
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.000	31743	2854	
2	4.11	chloride	5.215	54207	5738	

AY02564W01 1/5



Sample Analysis Report

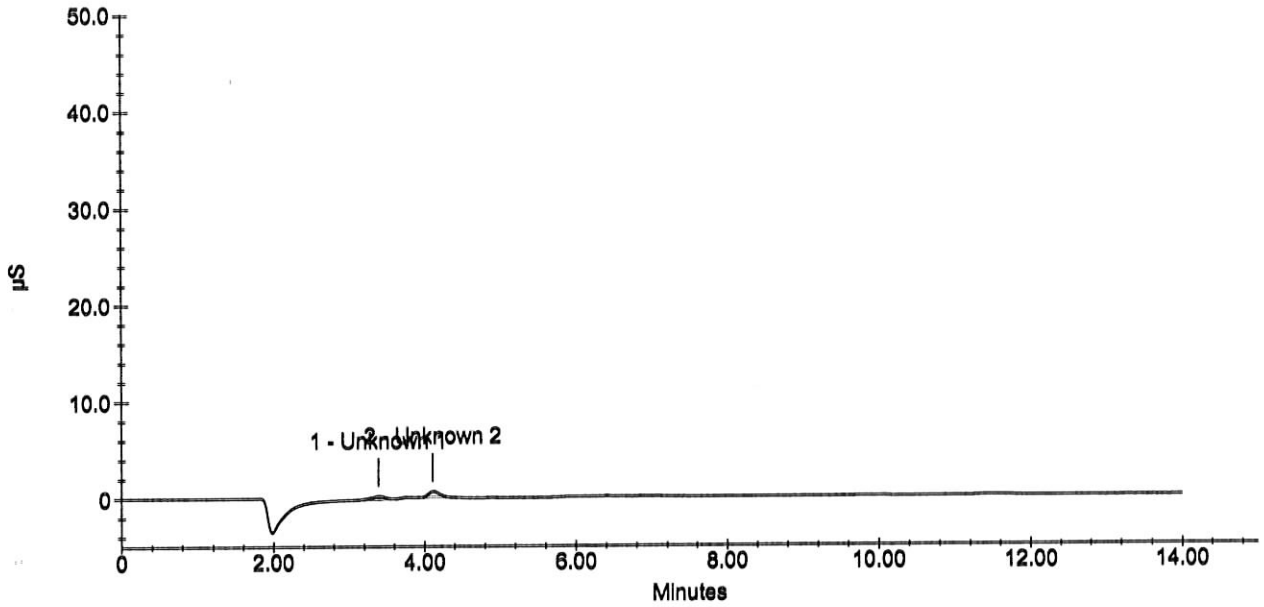
Sample Name : AY02564W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_031.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/3/09 17:44:37
System Operator : pd
Injection Number : 31
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	31743	2854	
2	4.11	Unknown 2	0.0000	54207	5738	

AY02564W01 1/5



APPL, Inc.

Current Date : 9/8/09
Current Time : 12:25:46

Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 100411

APPL ID: AY02565

Sample Collection Date: No Date Specified

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/03/09	09/03/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/03/09	09/03/09

Form 1 - APPL Standard Wetlab - No MC
Printed: 09/16/09 9:49:59 AM

Sample Analysis Report

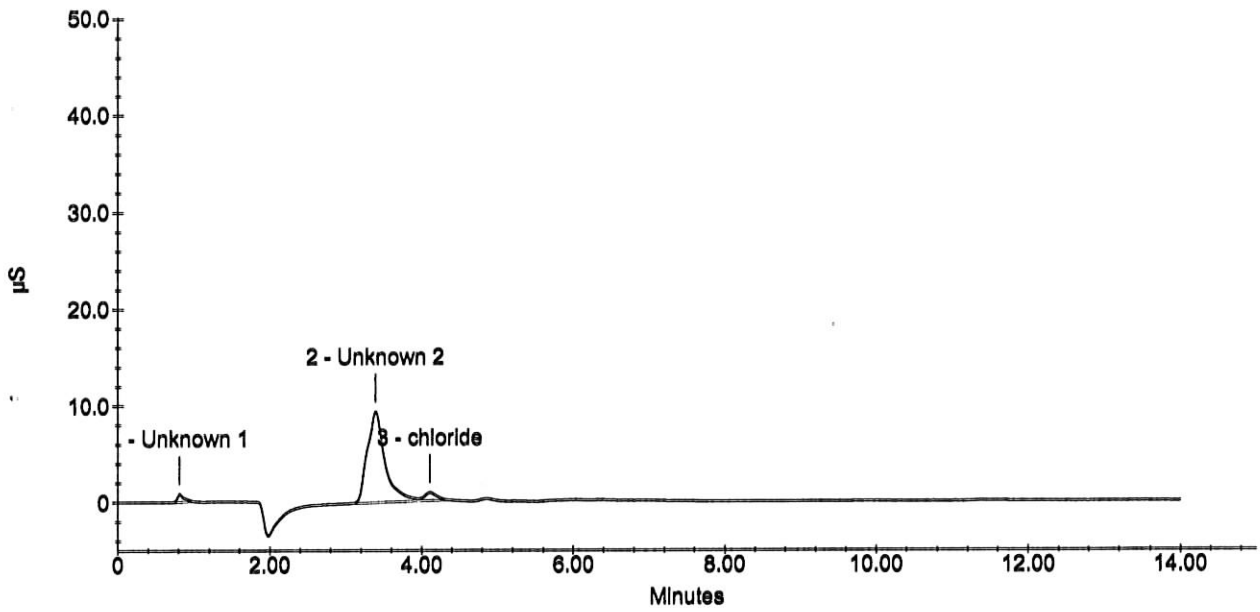
Sample Name : AY02565W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_032.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-01-09Low.met
Date Time Collected : 9/3/09 6:01:17 PM
System Operator : pd
Injection Number : 32
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	0.81	Unknown 1	0.000	46927	7932	
2	3.39	Unknown 2	0.000	1508835	93515	
3	4.11	chloride	5.453	90814	8114	

AY02565W01 1/5



Sample Analysis Report

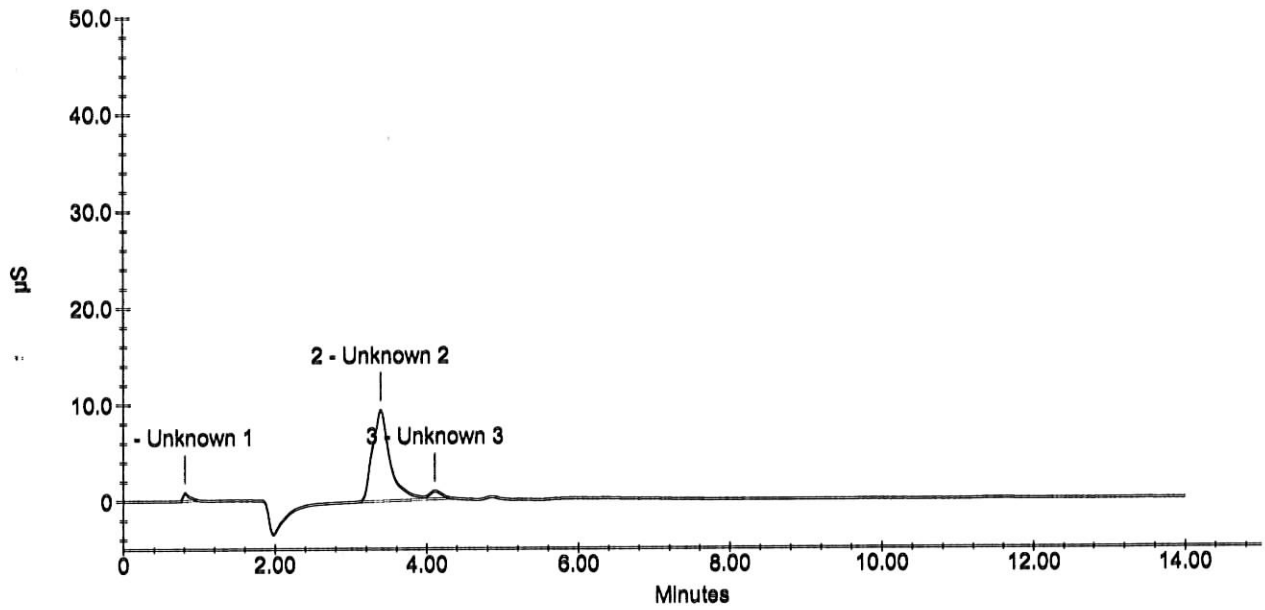
Sample Name : AY02565W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_032.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/3/09 18:01:17
System Operator : pd
Injection Number : 32
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	0.81	Unknown 1	0.0000	46927	7932	
2	3.39	Unknown 2	0.0000	1508835	93515	
3	4.11	Unknown 3	0.0000	90814	8114	

AY02565W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 100412

APPL ID: AY02566

Sample Collection Date: No Date Specified

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/03/09	09/03/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/03/09	09/03/09

Form 1 - APPL Standard Wetlab - No MC
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Sample Analysis Report

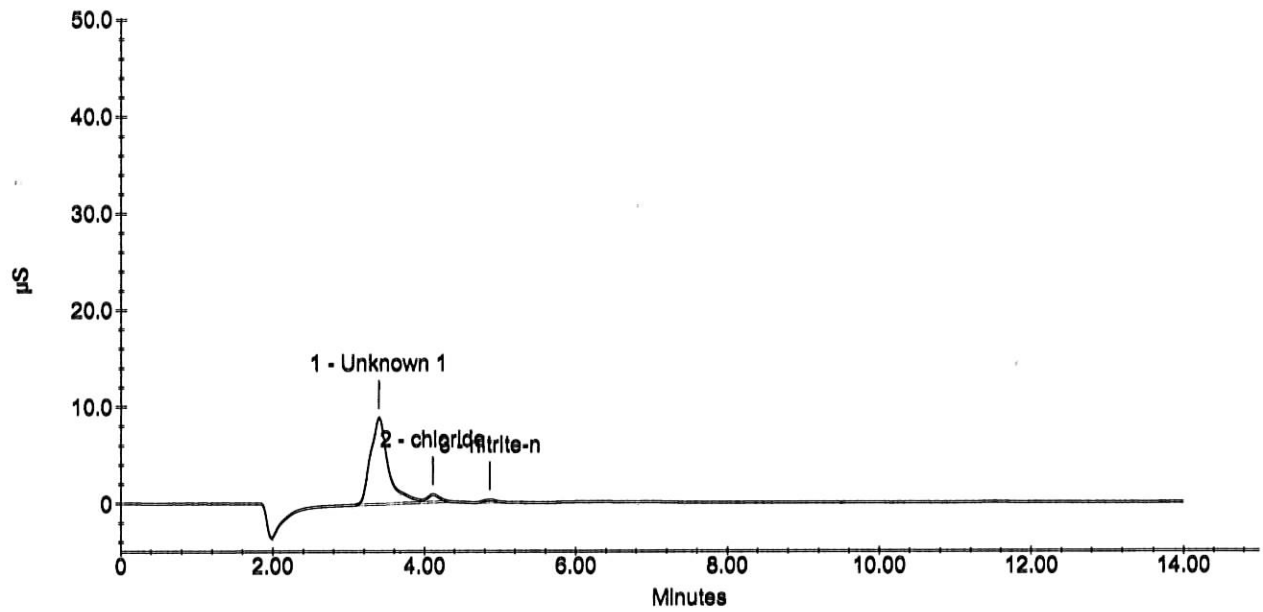
Sample Name : AY02566W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_033.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-01-09Low.met
Date Time Collected : 9/3/09 6:17:55 PM
System Operator : pd
Injection Number : 33
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.000	1456082	88393	
2	4.11	chloride	5.425	86610	7654	
3	4.87	nitrite-n	0.295	23126	2290	

AY02566W01 1/5



Sample Analysis Report

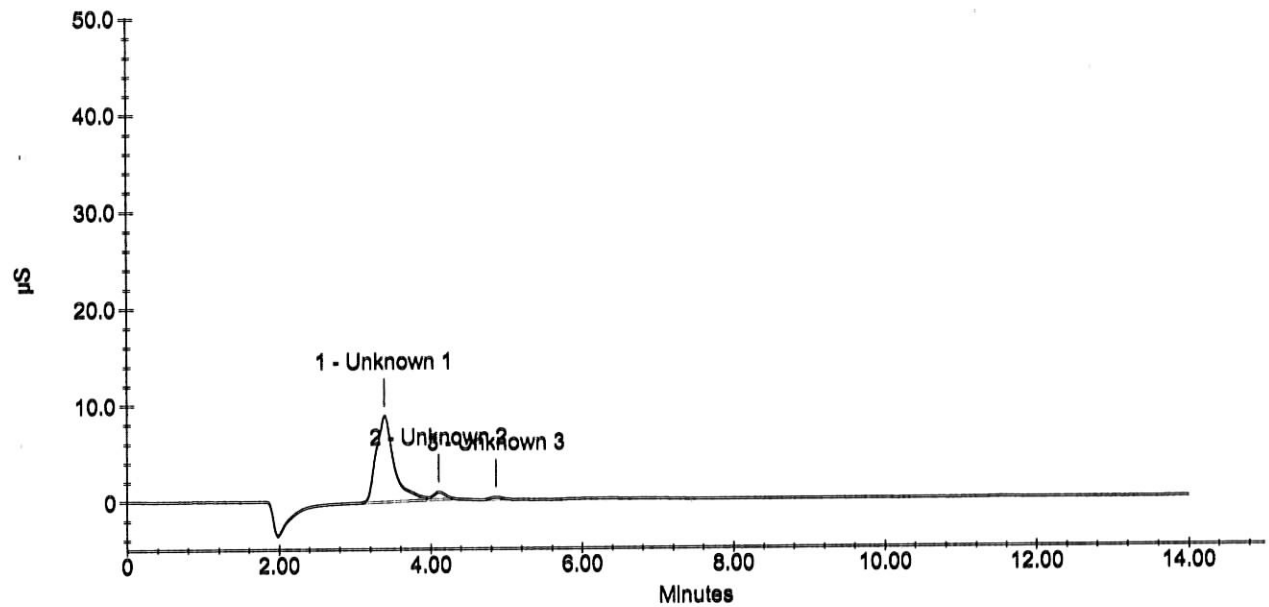
Sample Name : AY02566W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_033.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/3/09 18:17:55
System Operator : pd
Injection Number : 33
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	1456082	88393	
2	4.11	Unknown 2	0.0000	86610	7654	
3	4.87	Unknown 3	0.0000	23126	2290	

AY02566W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 100413

APPL ID: AY02567

Sample Collection Date: No Date Specified

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/03/09	09/03/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/03/09	09/03/09

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Sample Analysis Report

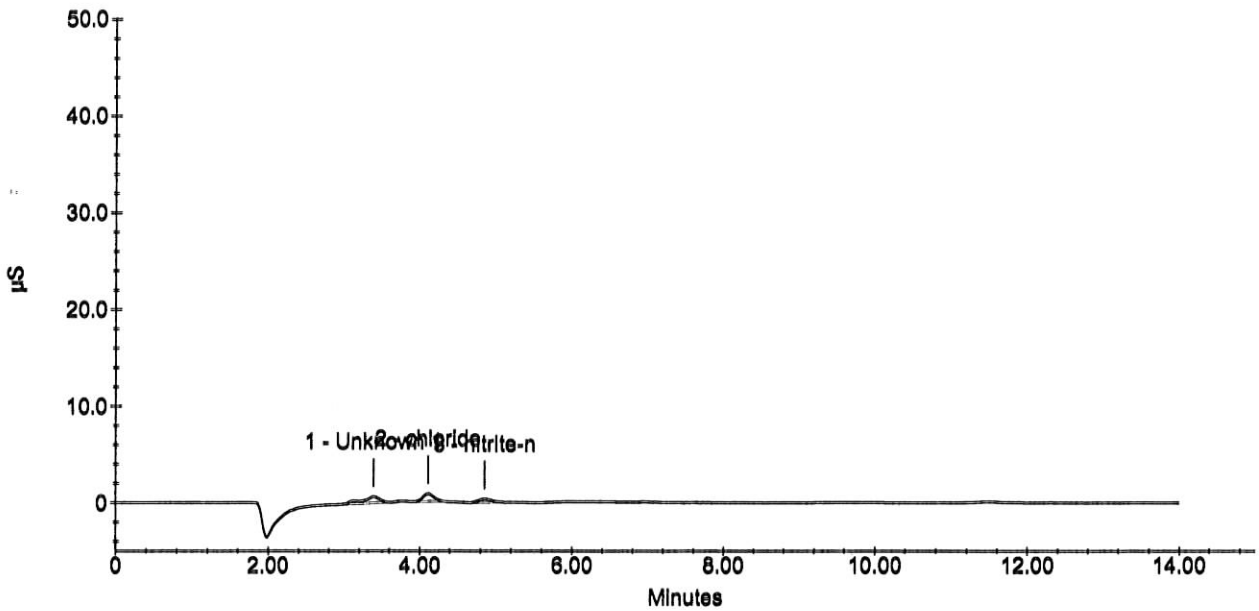
Sample Name : AY02567W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_034.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-01-09Low.met
Date Time Collected : 9/3/09 6:34:34 PM
System Operator : pd
Injection Number : 34
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.000	99444	6304	
2	4.11	chloride	5.369	77917	7956	
3	4.85	nitrite-n	0.338	34454	3203	

AY02567W01 1/5



Sample Analysis Report

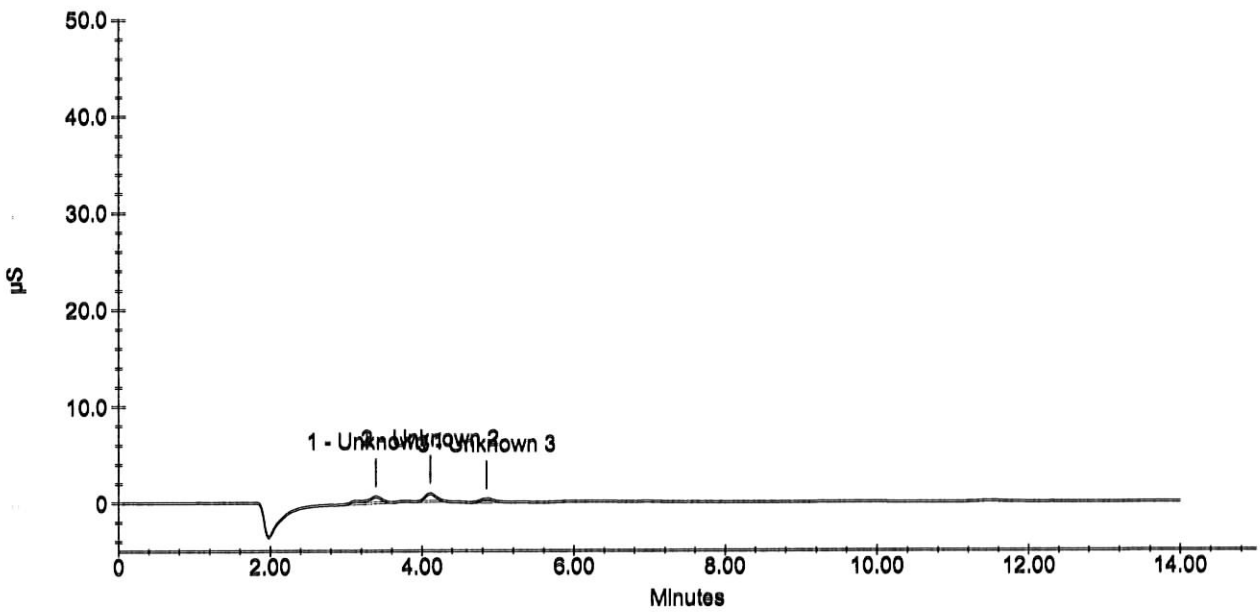
Sample Name : AY02567W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_034.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/3/09 18:34:34
System Operator : pd
Injection Number : 34
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	99444	6304	
2	4.11	Unknown 2	0.0000	77917	7956	
3	4.85	Unknown 3	0.0000	34454	3203	

AY02567W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 100414

Sample Collection Date: No Date Specified

APPL ID: AY02568

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/03/09	09/03/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/03/09	09/03/09

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Sample Analysis Report

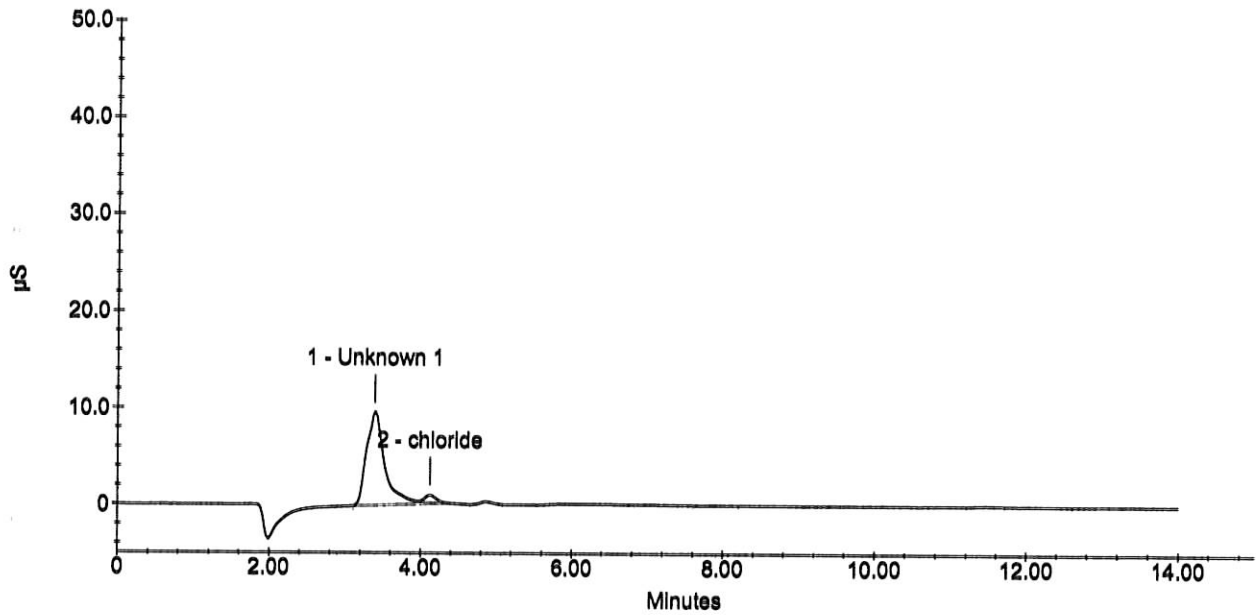
Sample Name : AY02568W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_035.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-01-09Low.met
Date Time Collected : 9/3/09 6:51:12 PM
System Operator : pd
Injection Number : 35
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.000	1617963	95713	
2	4.12	chloride	5.385	80405	7711	

AY02568W01 1/5



APPL, Inc.

Current Date : 9/4/09
Current Time : 11:22:48 AM

Sample Analysis Report

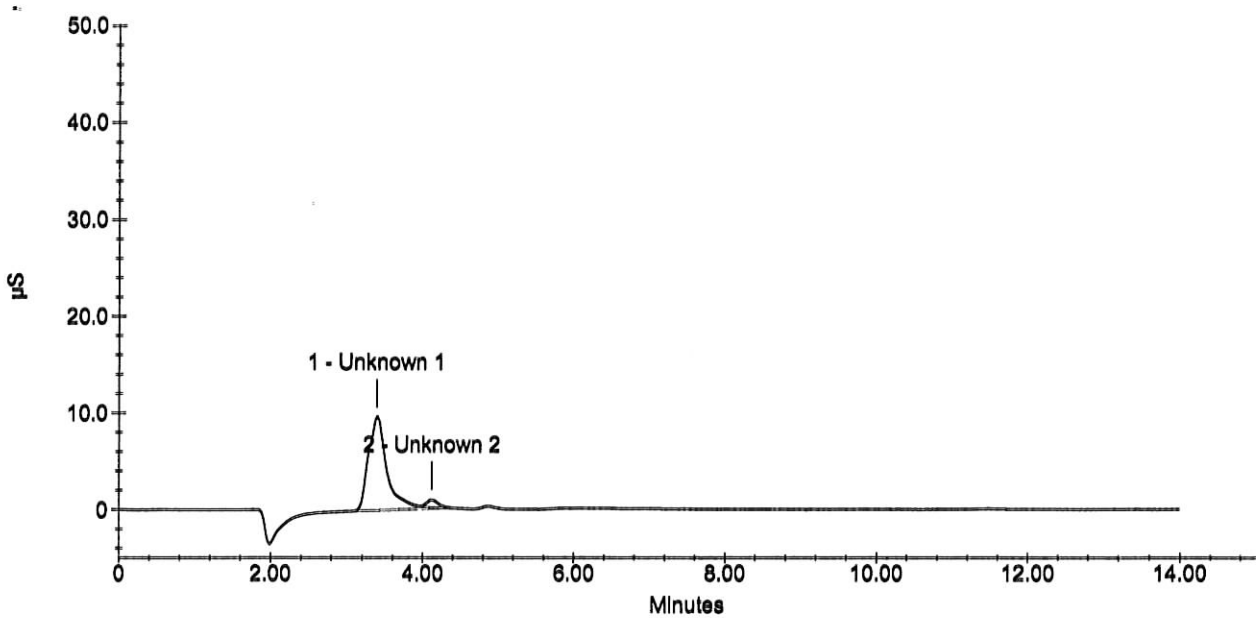
Sample Name : AY02568W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_035.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/3/09 18:51:12
System Operator : pd
Injection Number : 35
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	1617963	95713	
2	4.12	Unknown 2	0.0000	80405	7711	

AY02568W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 100415
Sample Collection Date: No Date Specified

APPL ID: AY02569
ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/03/09	09/03/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/03/09	09/03/09

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Sample Analysis Report

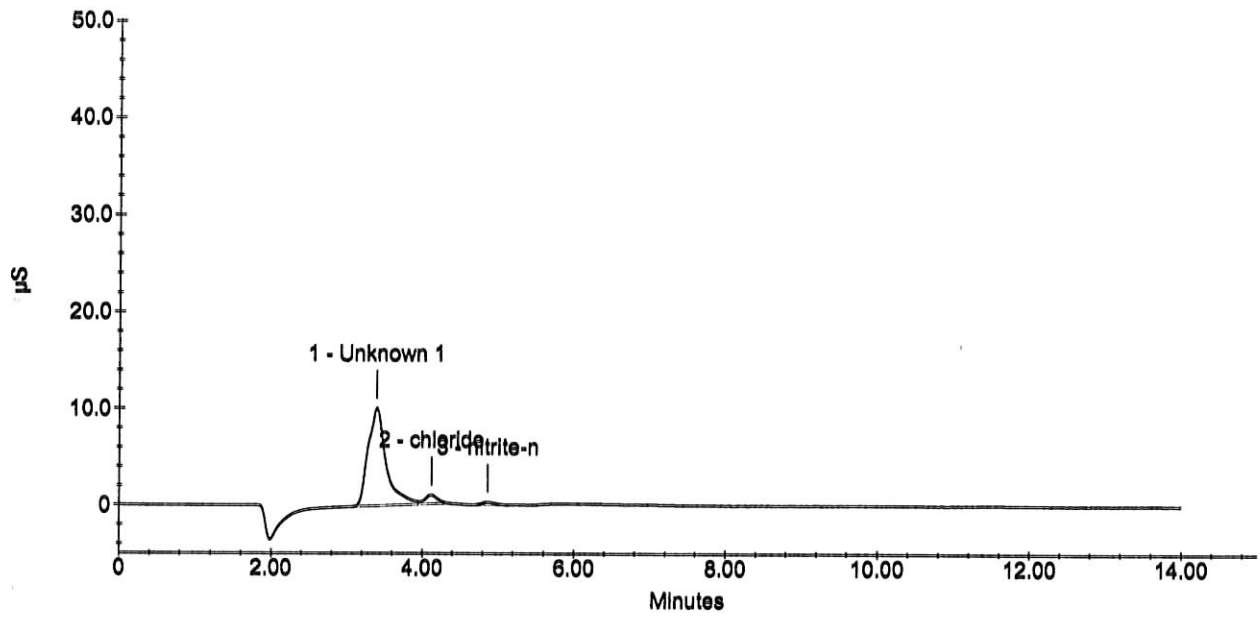
Sample Name : AY02569W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_036.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-01-09Low.met
Date Time Collected : 9/3/09 7:07:49 PM
System Operator : pd
Injection Number : 36
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.000	1660134	100377	
2	4.12	chloride	5.516	100546	8976	
3	4.87	nitrite-n	0.298	23935	2370	

AY02569W01 1/5



Sample Analysis Report

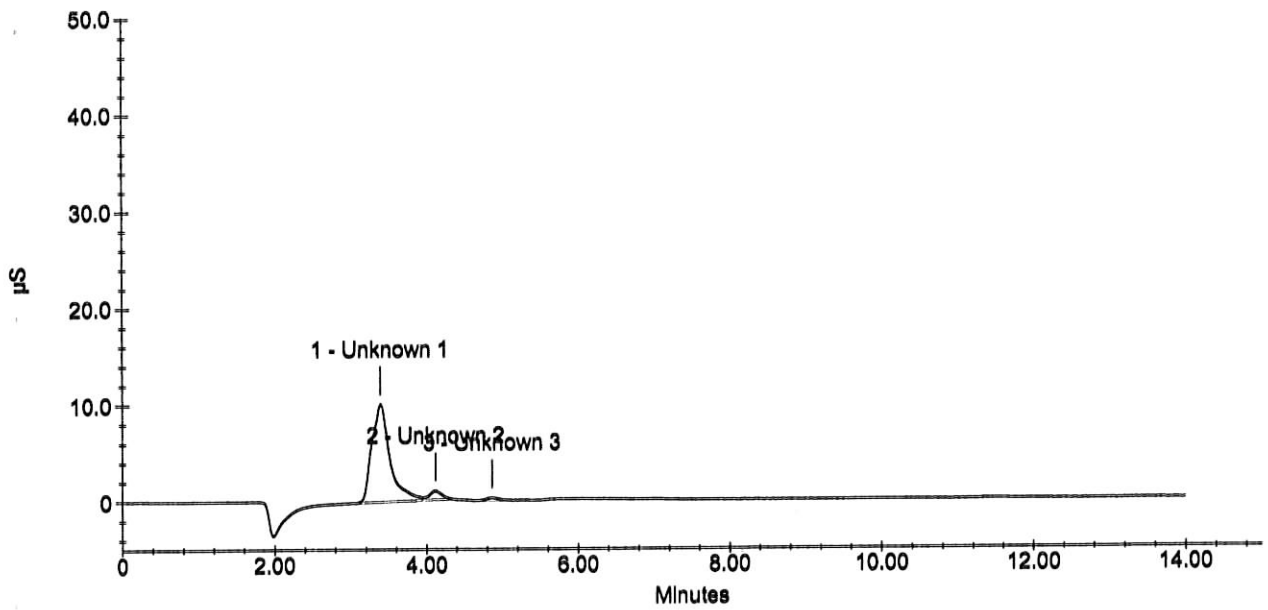
Sample Name : AY02569W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_036.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/3/09 19:07:49
System Operator : pd
Injection Number : 36
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	1660134	100377	
2	4.12	Unknown 2	0.0000	100546	8976	
3	4.87	Unknown 3	0.0000	23935	2370	

AY02569W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 100416

Sample Collection Date: No Date Specified

APPL ID: AY02570

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/03/09	09/03/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/03/09	09/03/09

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Sample Analysis Report

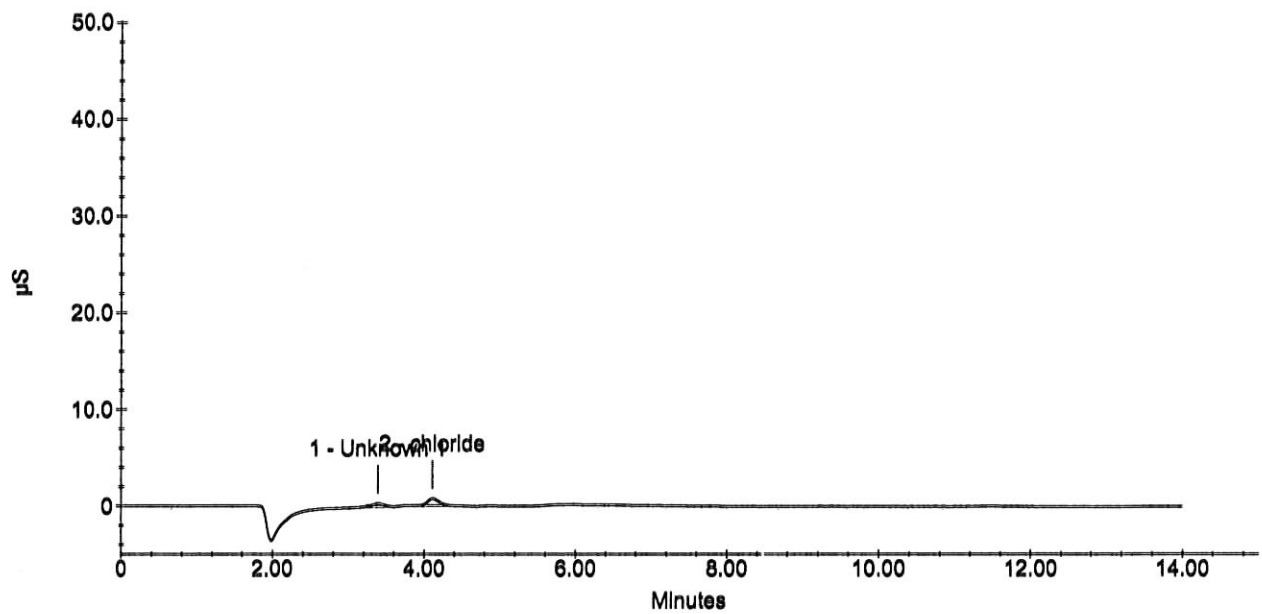
Sample Name : AY02570W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_037.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-01-09Low.met
Date Time Collected : 9/3/09 7:24:26 PM
System Operator : pd
Injection Number : 37
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.000	35515	3191	
2	4.11	chloride	1.061	67966	6806	

AY02570W01 1/5



Sample Analysis Report

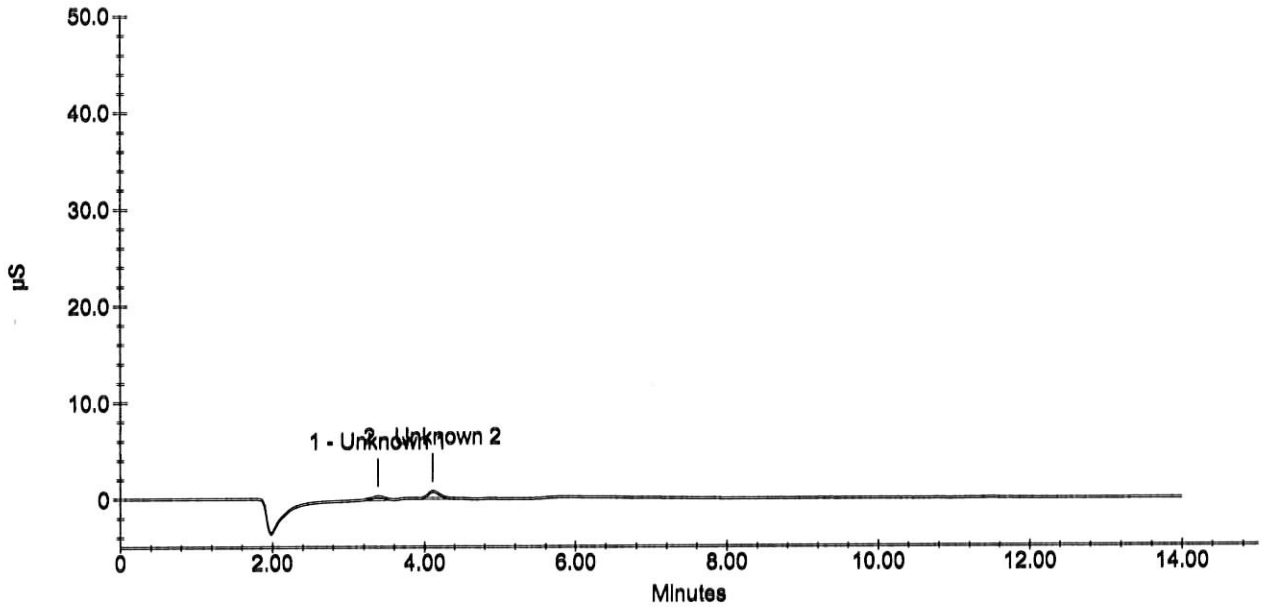
Sample Name : AY02570W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_037.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/3/09 19:24:26
System Operator : pd
Injection Number : 37
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	35515	3191	
2	4.11	Unknown 2	0.0000	67966	6806	

AY02570W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101182
Sample Collection Date: No Date Specified

APPL ID: AY02571
ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/03/09	09/03/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/03/09	09/03/09

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Sample Analysis Report

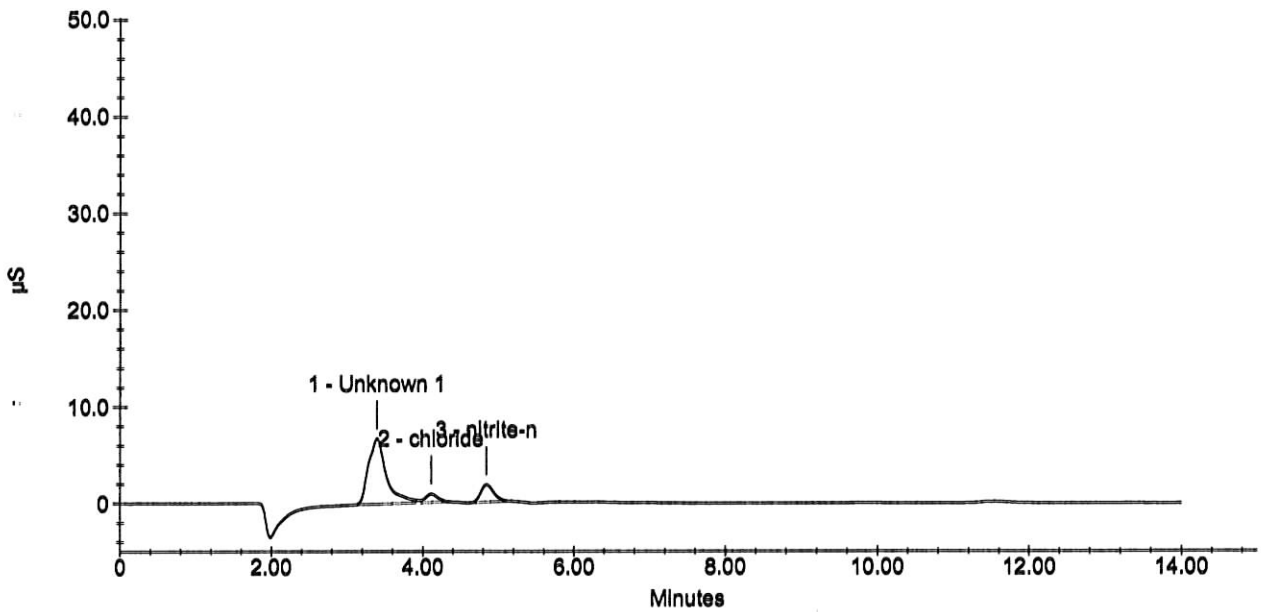
Sample Name : AY02571W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_047.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/3/09 21:57:17
System Operator : pd
Injection Number : 47
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	1093761	67164	
2	4.11	chloride	5.4760	94418	8598	
3	4.84	nitrite-n	1.0024	210255	17836	

AY02571W01 1/5



Sample Analysis Report

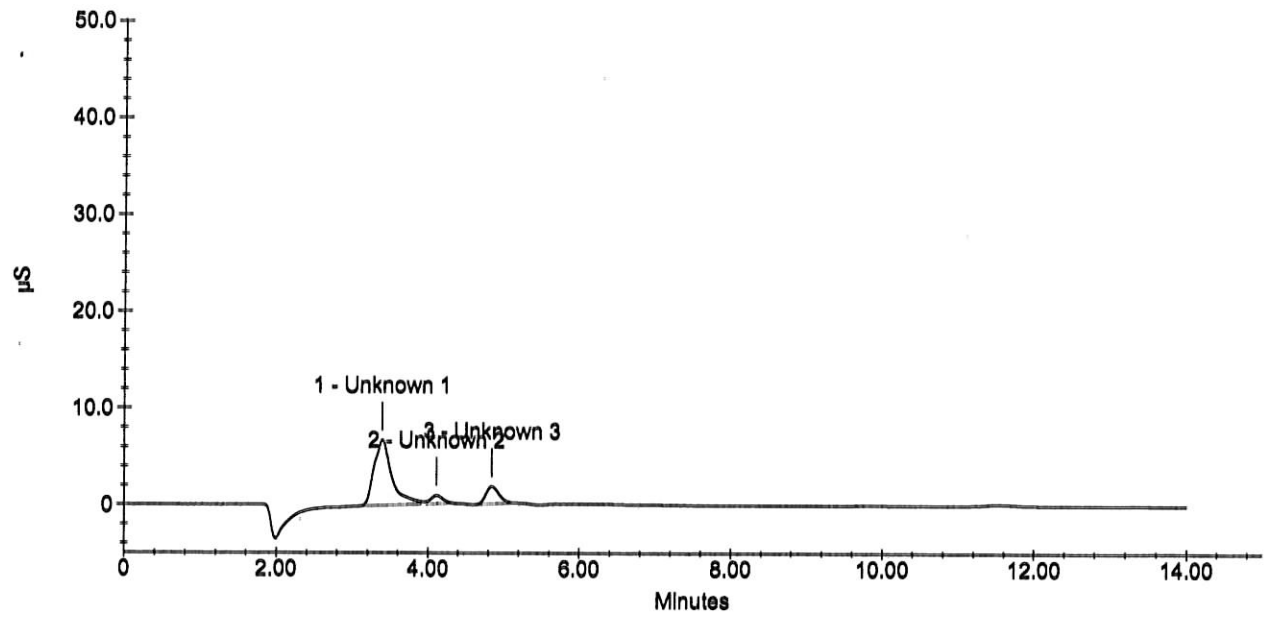
Sample Name : AY02571W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_047.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/3/09 21:57:17
System Operator : pd
Injection Number : 47
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	1093761	67164	
2	4.11	Unknown 2	0.0000	94418	8598	
3	4.84	Unknown 3	0.0000	210255	17836	

AY02571W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101183
Sample Collection Date: No Date Specified

APPL ID: AY02572
ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/03/09	09/03/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/03/09	09/03/09

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Sample Analysis Report

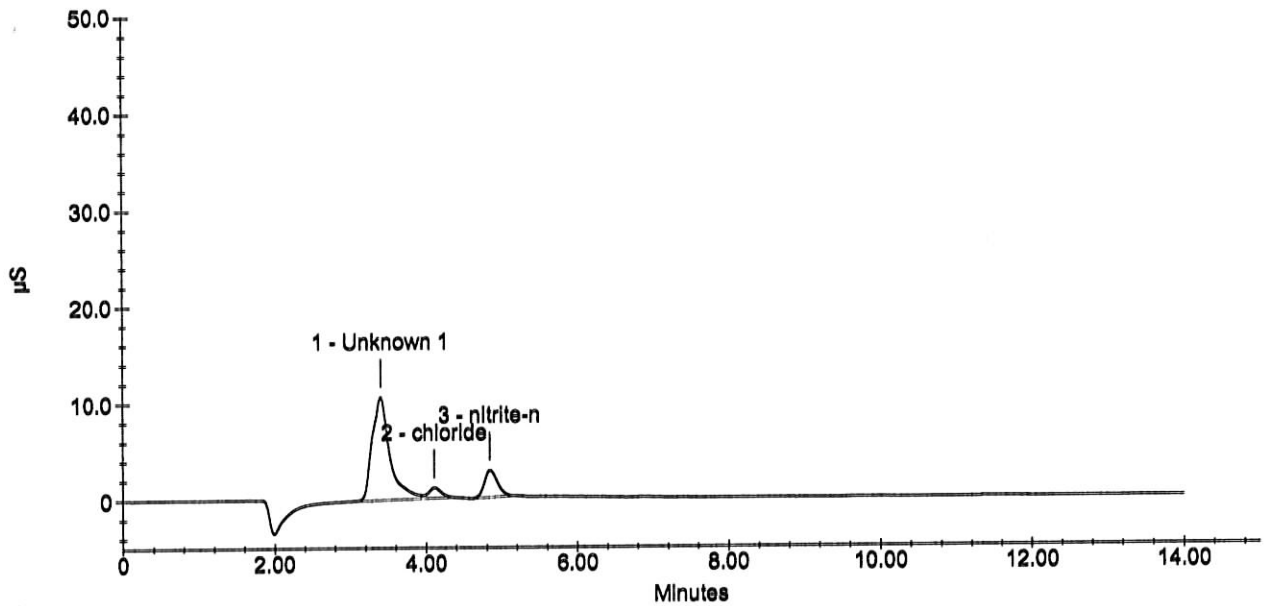
Sample Name : AY02572W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_048.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/3/09 22:13:55
System Operator : pd
Injection Number : 48
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	1706960	105922	
2	4.11	chloride	5.6512	121393	10635	
3	4.84	nitrite-n	1.4589	330963	27814	

AY02572W01 1/5



Sample Analysis Report

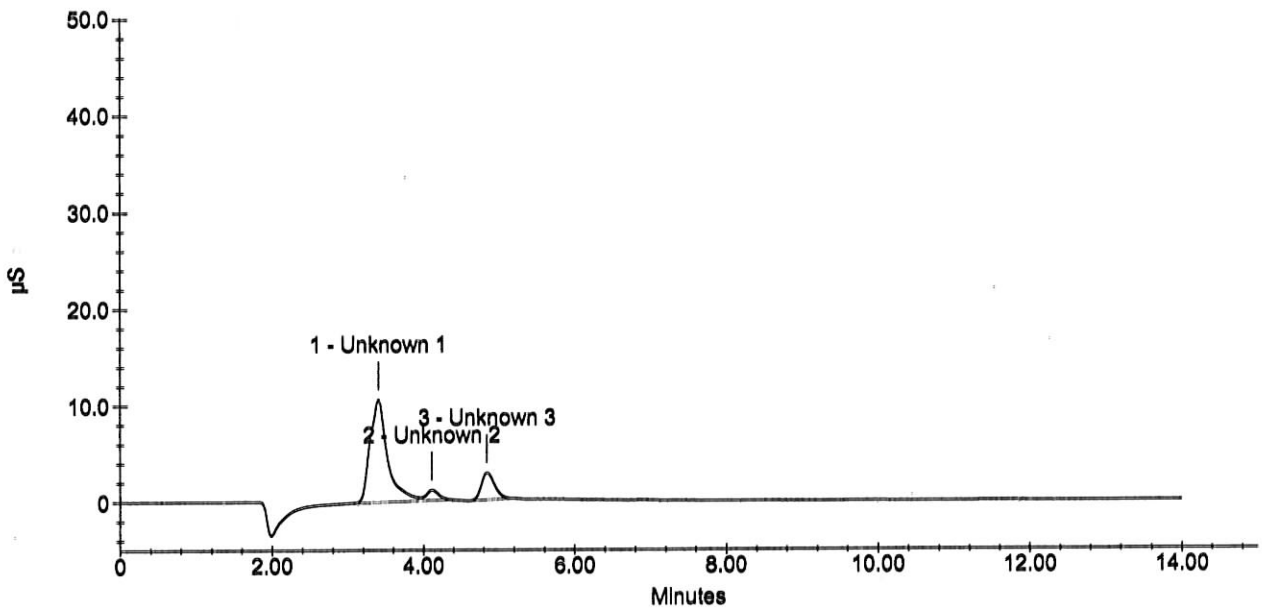
Sample Name : AY02572W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_048.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/3/09 22:13:55
System Operator : pd
Injection Number : 48
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	1706960	105922	
2	4.11	Unknown 2	0.0000	121393	10635	
3	4.84	Unknown 3	0.0000	330963	27814	

AY02572W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101184

APPL ID: AY02573

Sample Collection Date: No Date Specified

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/03/09	09/03/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/03/09	09/03/09

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Sample Analysis Report

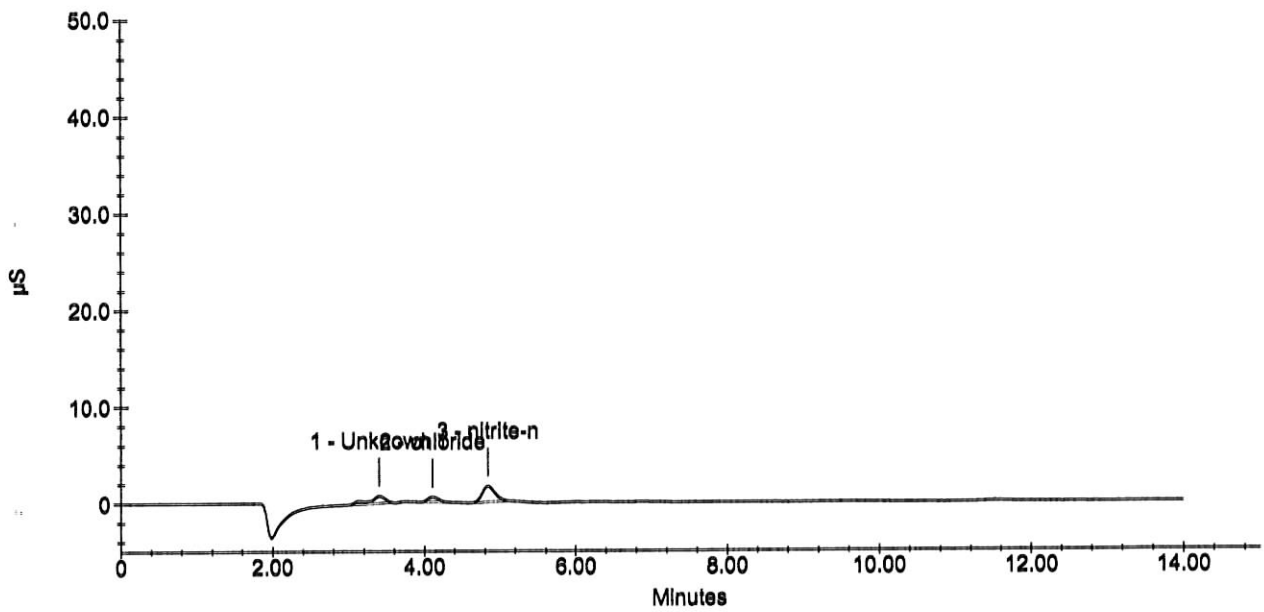
Sample Name : AY02573W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_049.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/3/09 22:30:33
System Operator : pd
Injection Number : 49
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	105648	7294	
2	4.11	chloride	5.1743	47942	5071	
3	4.84	nitrite-n	0.9247	189718	16242	

AY02573W01 1/5



Sample Analysis Report

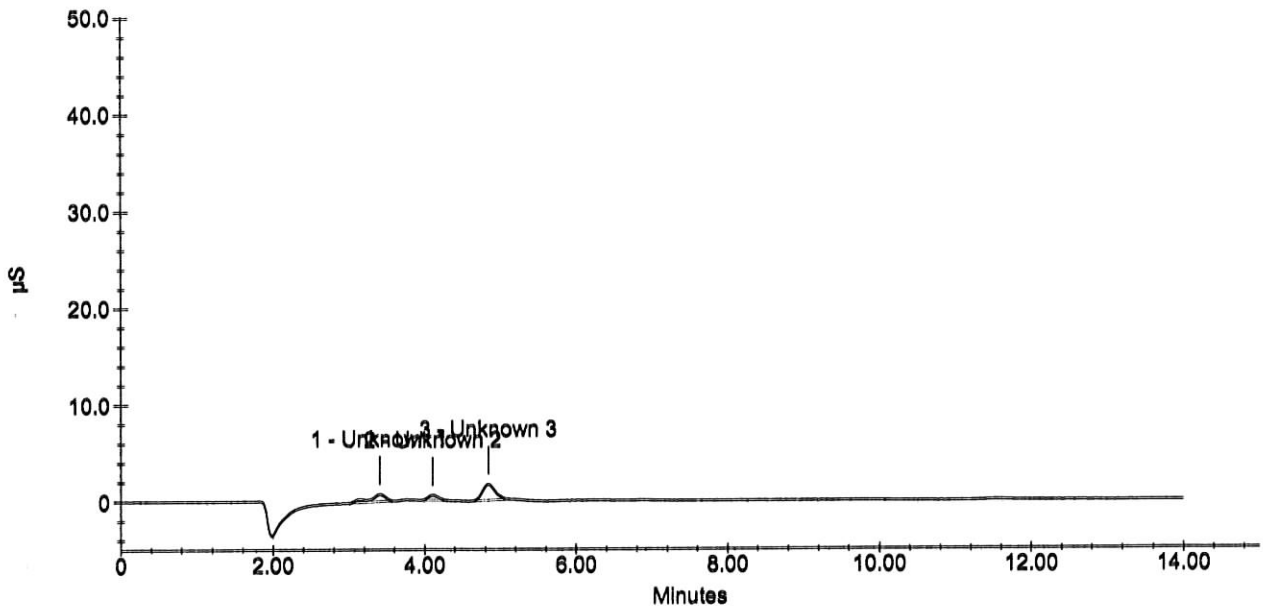
Sample Name : AY02573W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_049.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/3/09 22:30:33
System Operator : pd
Injection Number : 49
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	105648	7294	
2	4.11	Unknown 2	0.0000	47942	5071	
3	4.84	Unknown 3	0.0000	189718	16242	

AY02573W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101185

Sample Collection Date: No Date Specified

APPL ID: AY02574

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/03/09	09/03/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/03/09	09/03/09

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Sample Analysis Report

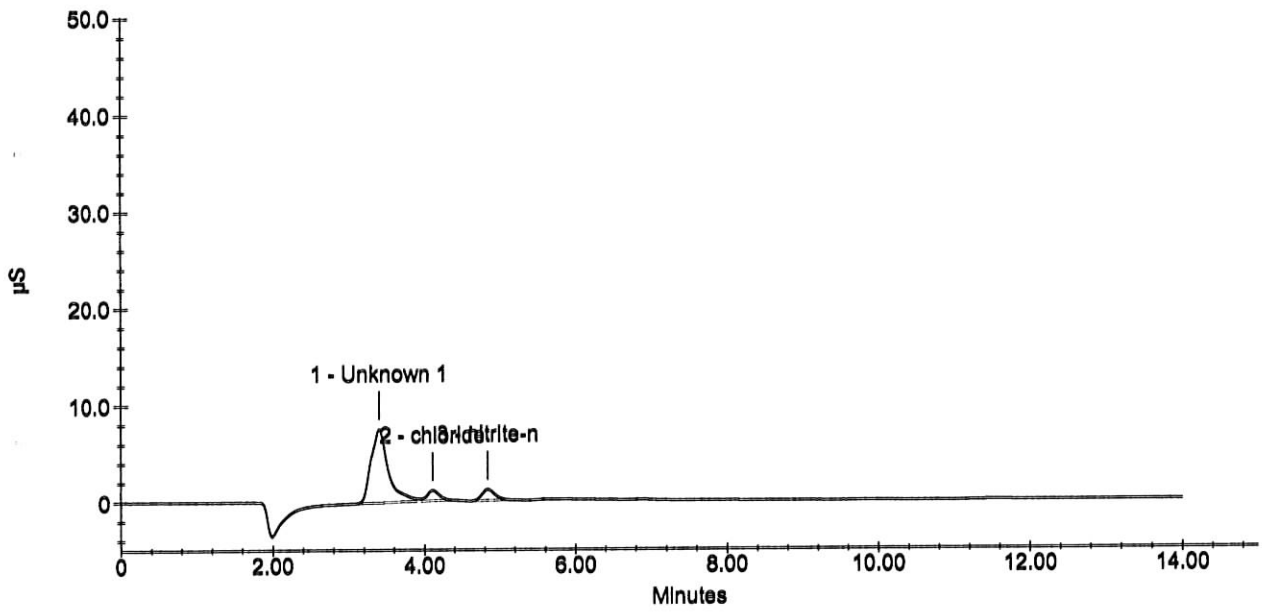
Sample Name : AY02574W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_050.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/3/09 22:47:12
System Operator : pd
Injection Number : 50
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	1189302	75399	
2	4.11	chloride	5.6273	117709	10654	
3	4.84	nitrite-n	0.7088	132631	11352	

AY02574W01 1/5



Sample Analysis Report

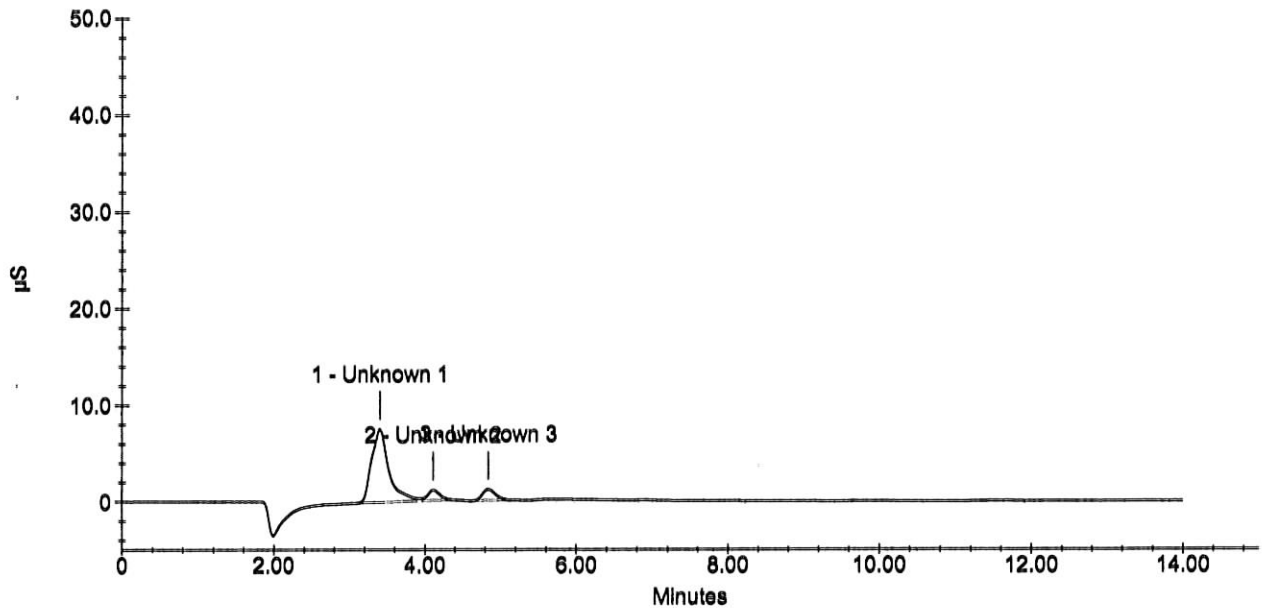
Sample Name : AY02574W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_050.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/3/09 22:47:12
System Operator : pd
Injection Number : 50
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	1189302	75399	
2	4.11	Unknown 2	0.0000	117709	10654	
3	4.84	Unknown 3	0.0000	132631	11352	

AY02574W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101186

Sample Collection Date: No Date Specified

APPL ID: AY02575

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/03/09	09/03/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/03/09	09/03/09

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Sample Analysis Report

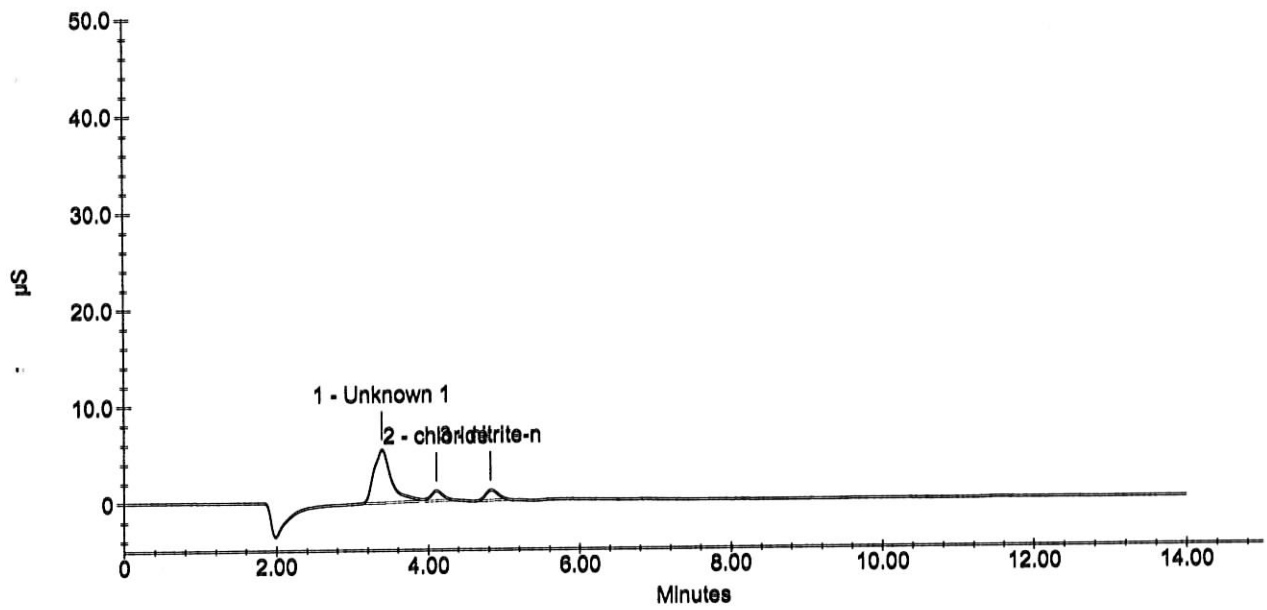
Sample Name : AY02575W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_051.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/3/09 23:03:49
System Operator : pd
Injection Number : 51
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	872613	54372	
2	4.11	chloride	5.5701	108897	10073	
3	4.83	nitrite-n	0.6674	121684	10676	

AY02575W01 1/5



Sample Analysis Report

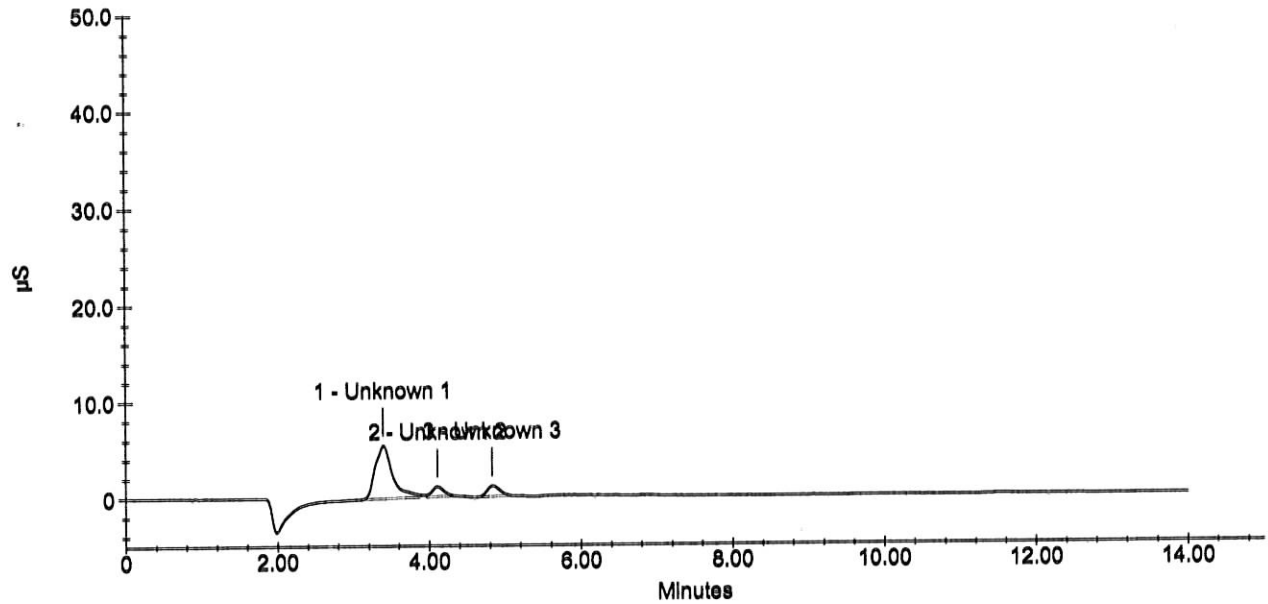
Sample Name : AY02575W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_051.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/3/09 23:03:49
System Operator : pd
Injection Number : 51
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	872613	54372	
2	4.11	Unknown 2	0.0000	108897	10073	
3	4.83	Unknown 3	0.0000	121684	10676	

AY02575W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101187

Sample Collection Date: No Date Specified

APPL ID: AY02576

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/03/09	09/03/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/03/09	09/03/09

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Sample Analysis Report

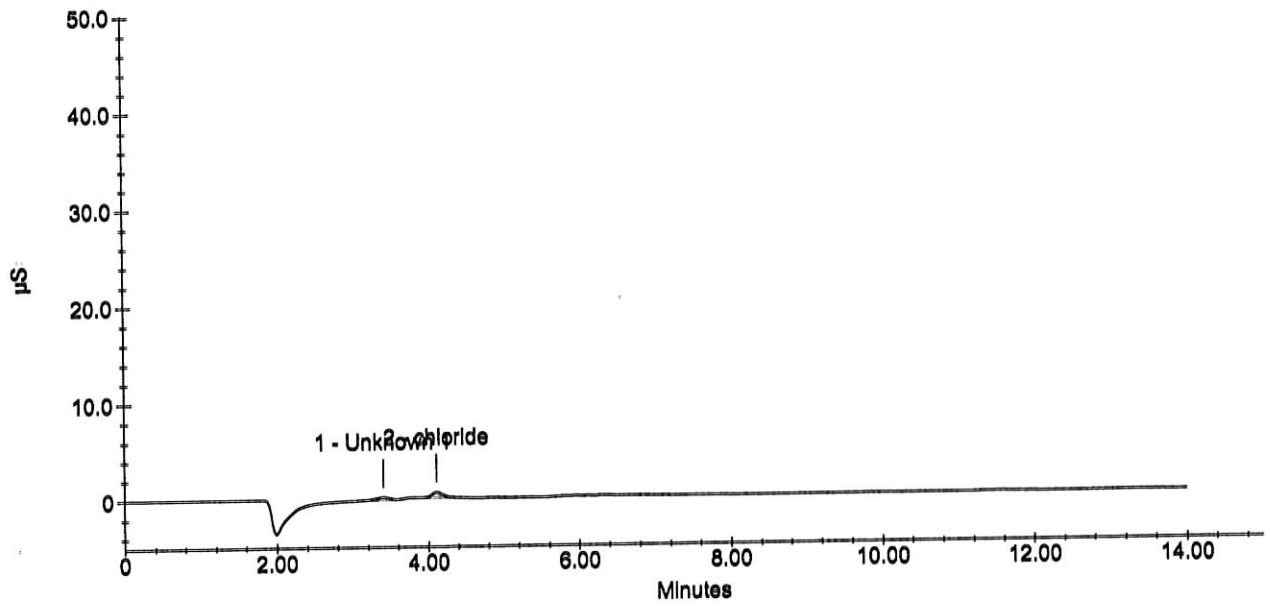
Sample Name : AY02576W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_052.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/3/09 23:20:28
System Operator : pd
Injection Number : 52
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	24523	2403	
2	4.11	chloride	5.1728	47706	5044	

AY02576W01 1/5



Sample Analysis Report

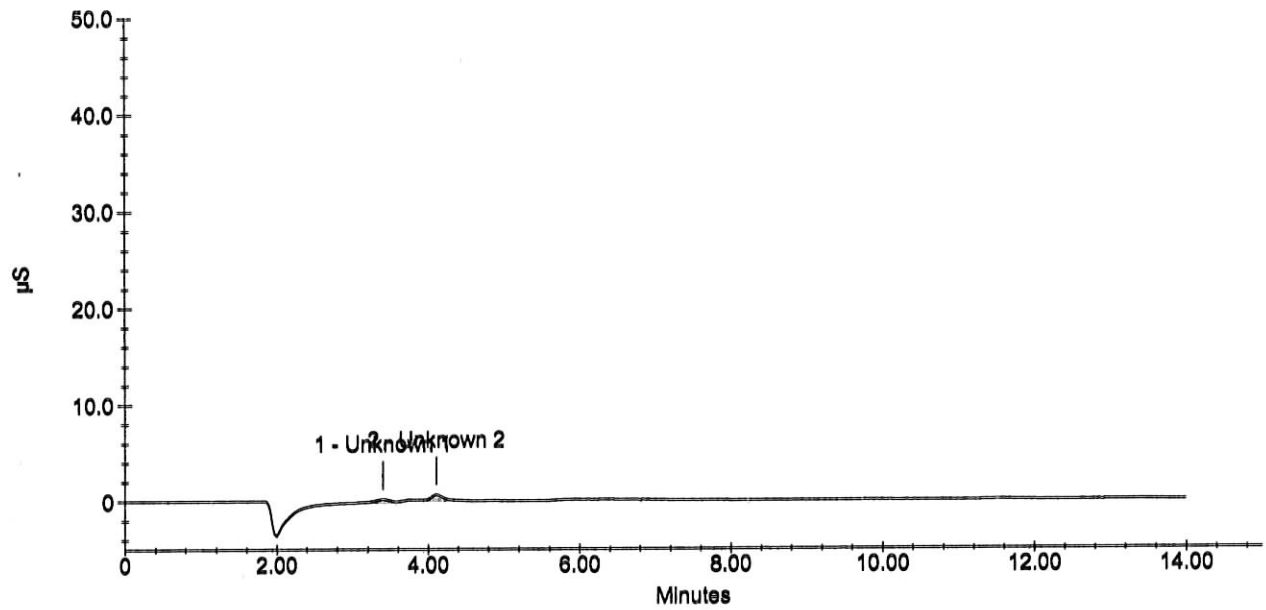
Sample Name : AY02576W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_052.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/3/09 23:20:28
System Operator : pd
Injection Number : 52
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	24523	2403	
2	4.11	Unknown 2	0.0000	47706	5044	

AY02576W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101254
Sample Collection Date: No Date Specified

APPL ID: AY02577
ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/03/09	09/03/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/03/09	09/03/09

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Sample Analysis Report

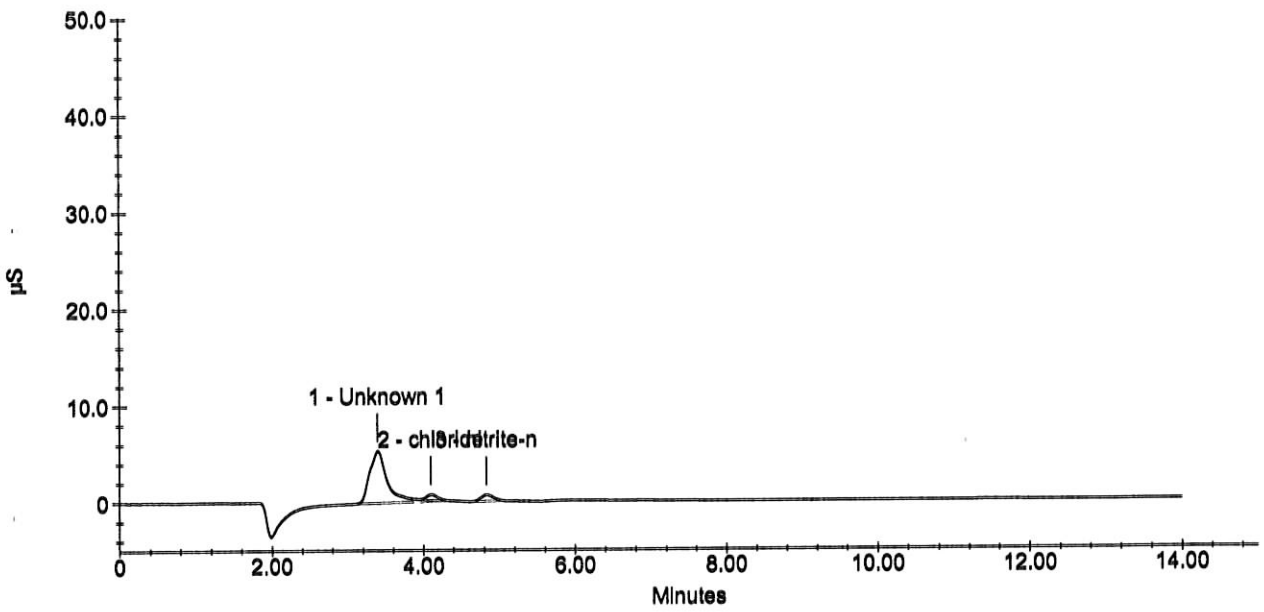
Sample Name : AY02577W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_053.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/3/09 23:37:05
System Operator : pd
Injection Number : 53
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	862320	52932	
2	4.09	chloride	5.2613	61336	5848	
3	4.83	nitrite-n	0.4738	70489	6393	

AY02577W01 1/5



Sample Analysis Report

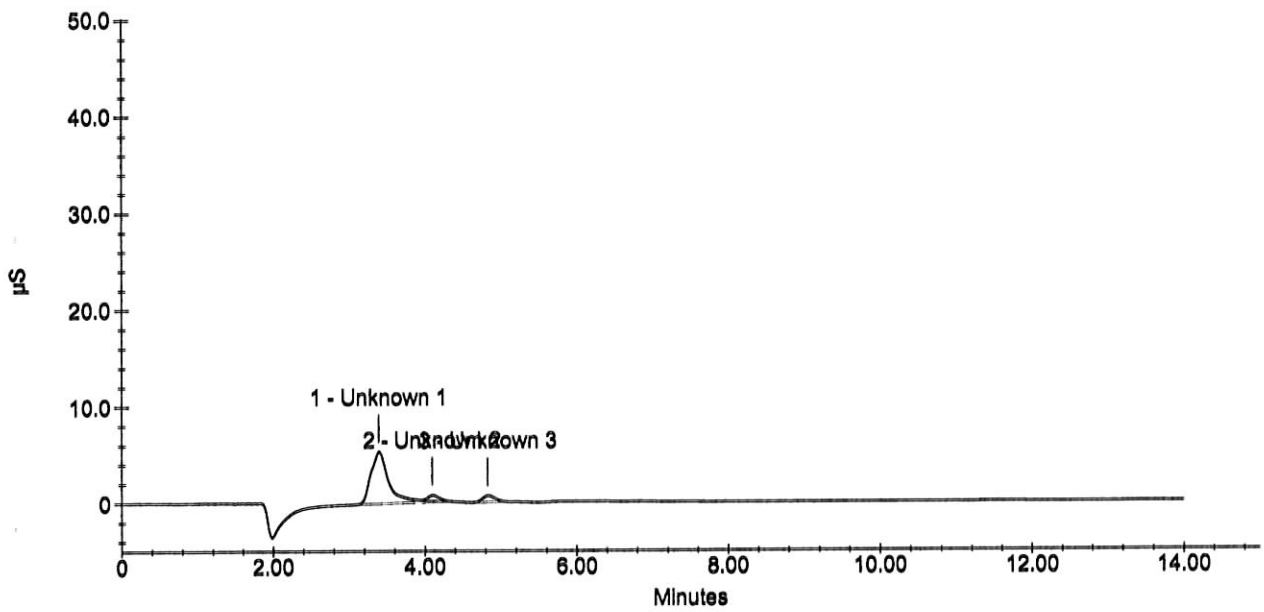
Sample Name : AY02577W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_053.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/3/09 23:37:05
System Operator : pd
Injection Number : 53
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	862320	52932	
2	4.09	Unknown 2	0.0000	61336	5848	
3	4.83	Unknown 3	0.0000	70489	6394	

AY02577W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101255

Sample Collection Date: No Date Specified

APPL ID: AY02578

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/03/09	09/03/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/03/09	09/03/09

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Sample Analysis Report

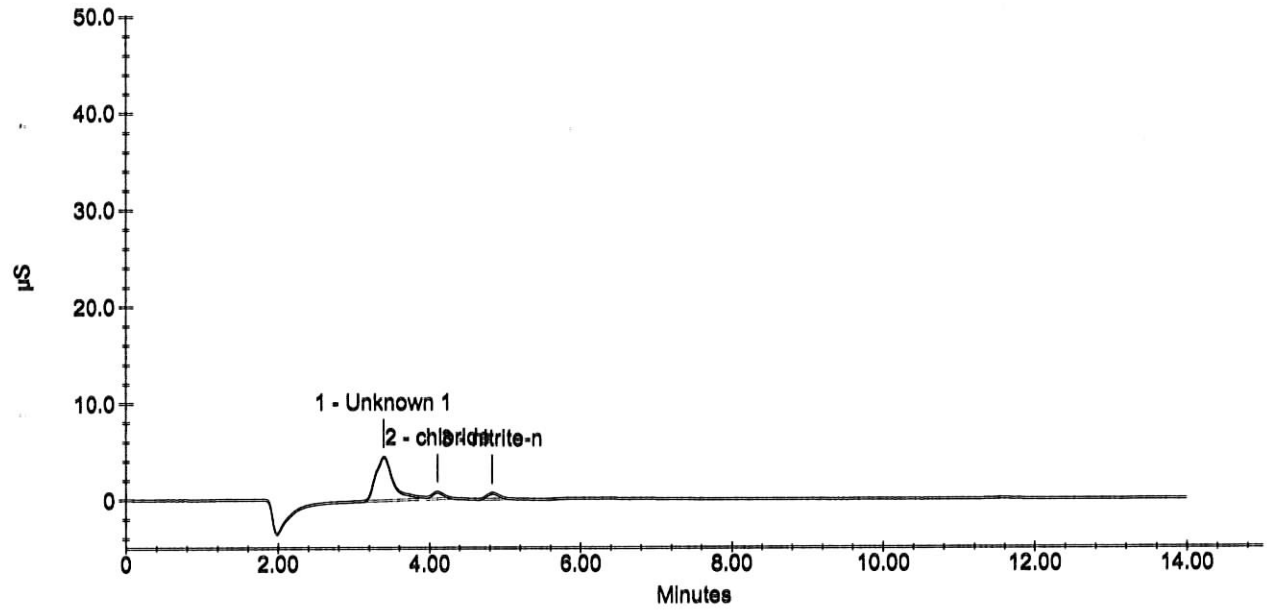
Sample Name : AY02578W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_054.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/3/09 23:53:43
System Operator : pd
Injection Number : 54
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	711183	44471	
2	4.11	chloride	5.3451	74255	6731	
3	4.83	nitrite-n	0.4479	63635	5730	

AY02578W01 1/5



Sample Analysis Report

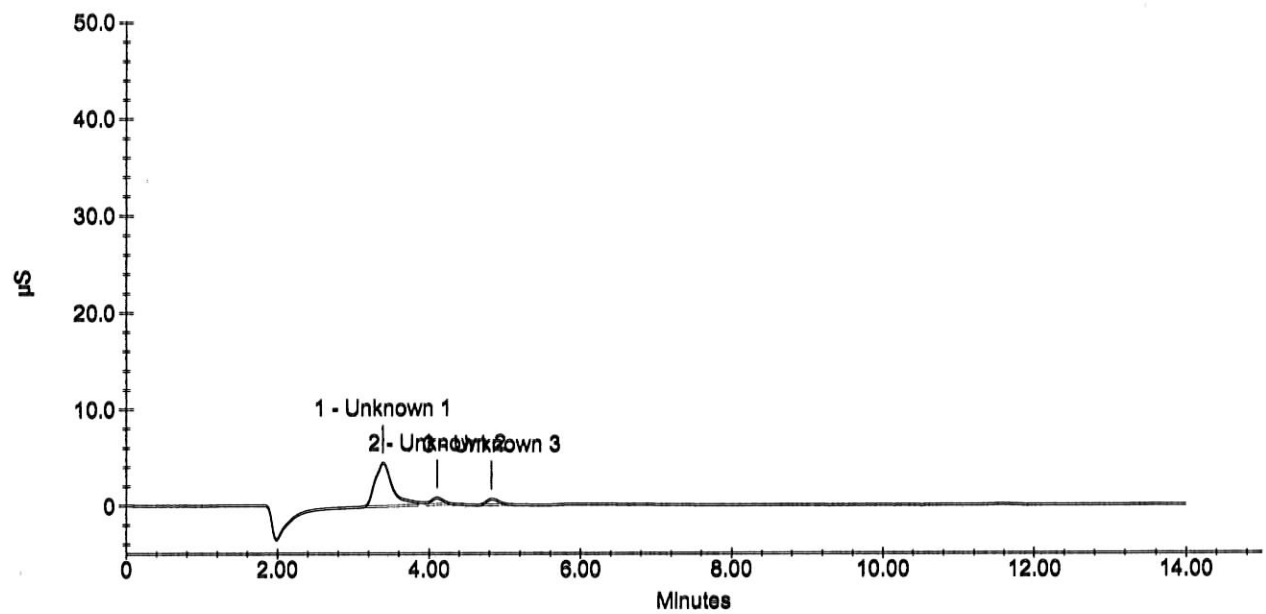
Sample Name : AY02578W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_054.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/3/09 23:53:43
System Operator : pd
Injection Number : 54
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	711183	44471	
2	4.11	Unknown 2	0.0000	74255	6731	
3	4.83	Unknown 3	0.0000	63635	5730	

AY02578W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101256

Sample Collection Date: No Date Specified

APPL ID: AY02579

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/09/99	09/09/99
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/09/99	09/09/99

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Sample Analysis Report

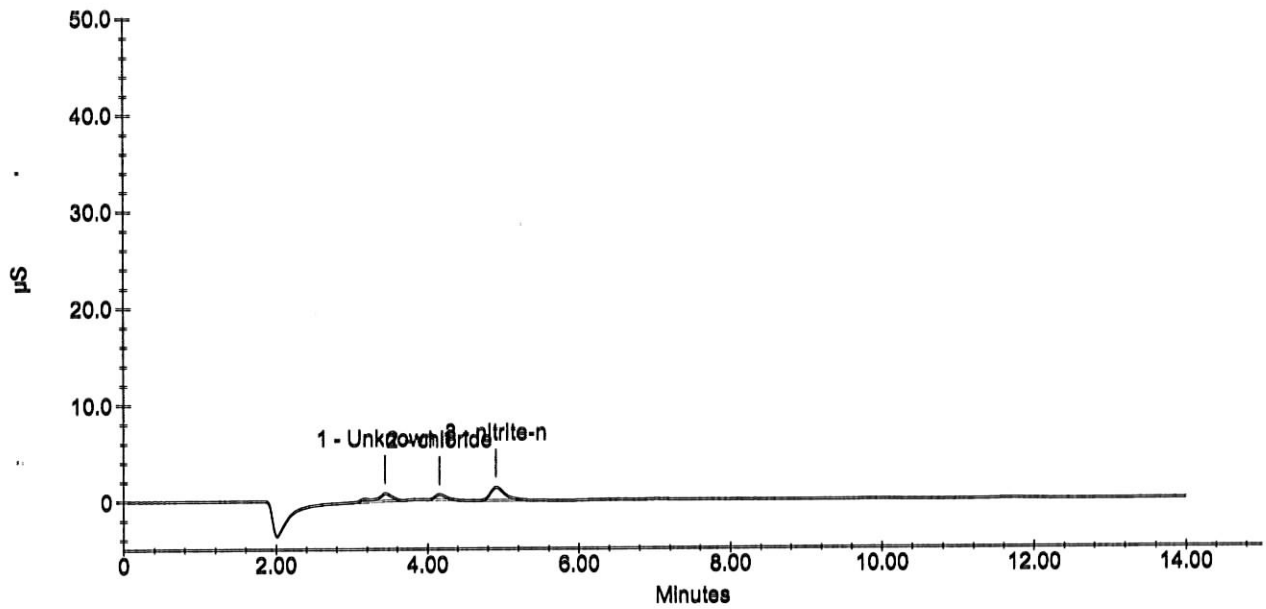
Sample Name : AY02579W01 1/5
Data File Name : i:\dionex\d1anions\data\090909a\090909A_014.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/9/09 12:37:44
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	3.44	Unknown 1	0.0000	109988	7538	
2	4.16	chloride	5.7701	48304	5125	
3	4.91	nitrite-n	1.0135	176755	13331	

AY02579W01 1/5



Sample Analysis Report

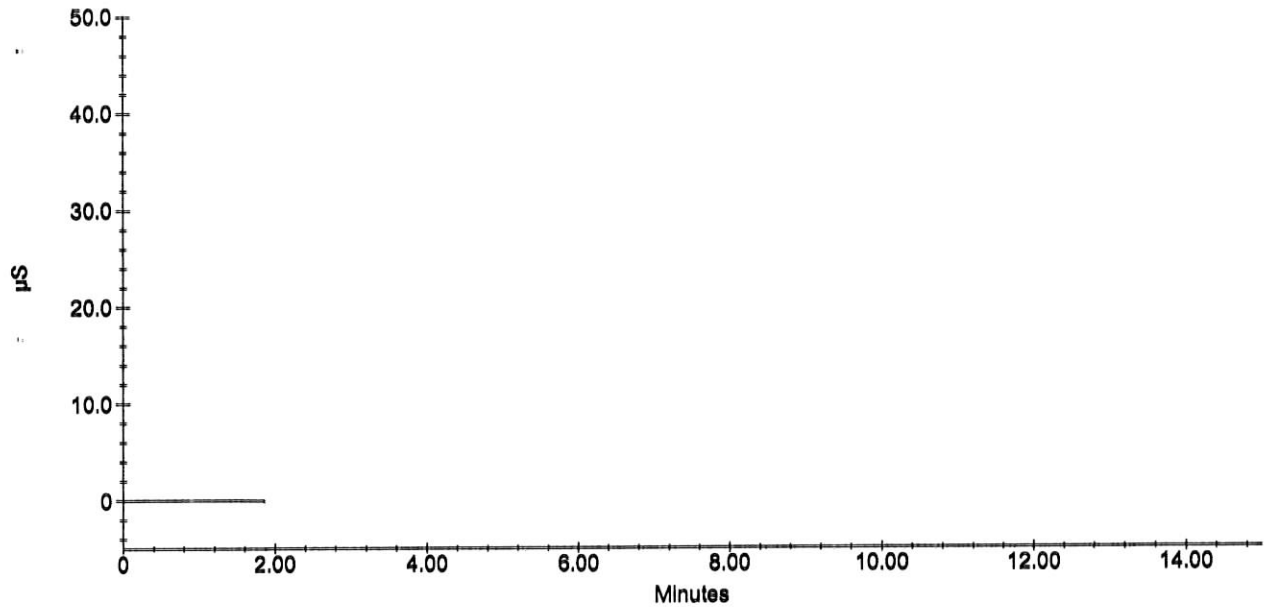
Sample Name : AY02579W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_055.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 00:10:21
System Operator : pd
Injection Number : 55
Multiplier : 5.00

Peak Information : All Peaks

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

AY02579W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101257

Sample Collection Date: No Date Specified

APPL ID: AY02580

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

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Sample Analysis Report

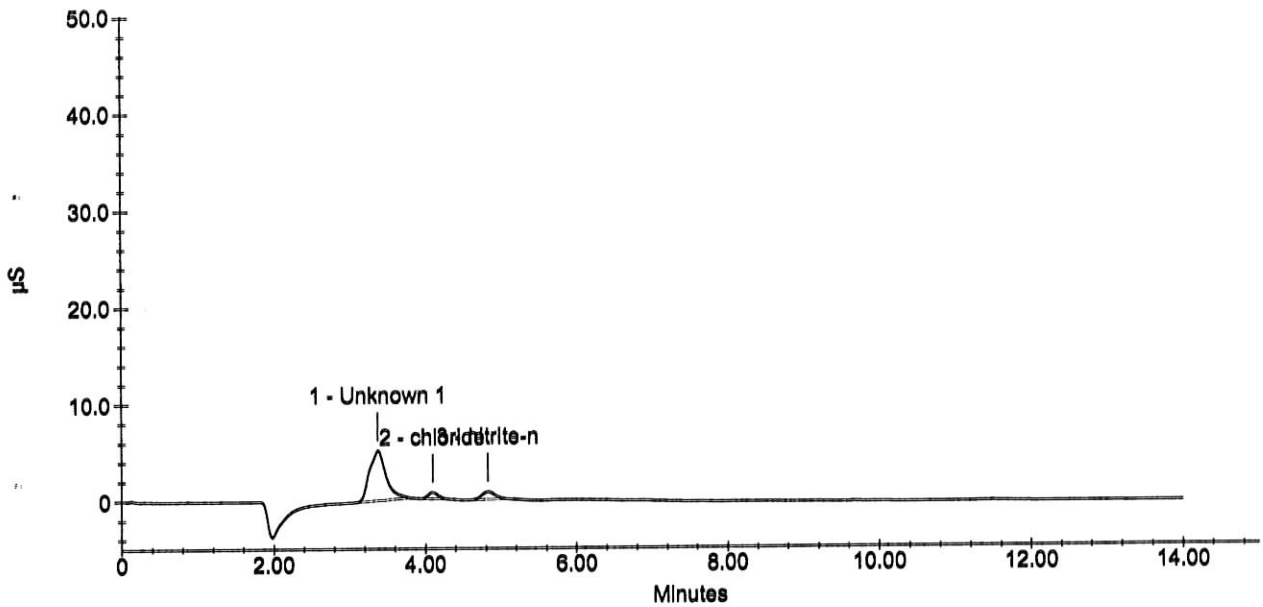
Sample Name : AY02580W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_056.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 01:08:43
System Operator : pd
Injection Number : 56
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	3.37	Unknown 1	0.0000	774081	51436	
2	4.09	chloride	5.2530	60062	6434	
3	4.83	nitrite-n	0.5510	90895	7760	

AY02580W01 1/5



Sample Analysis Report

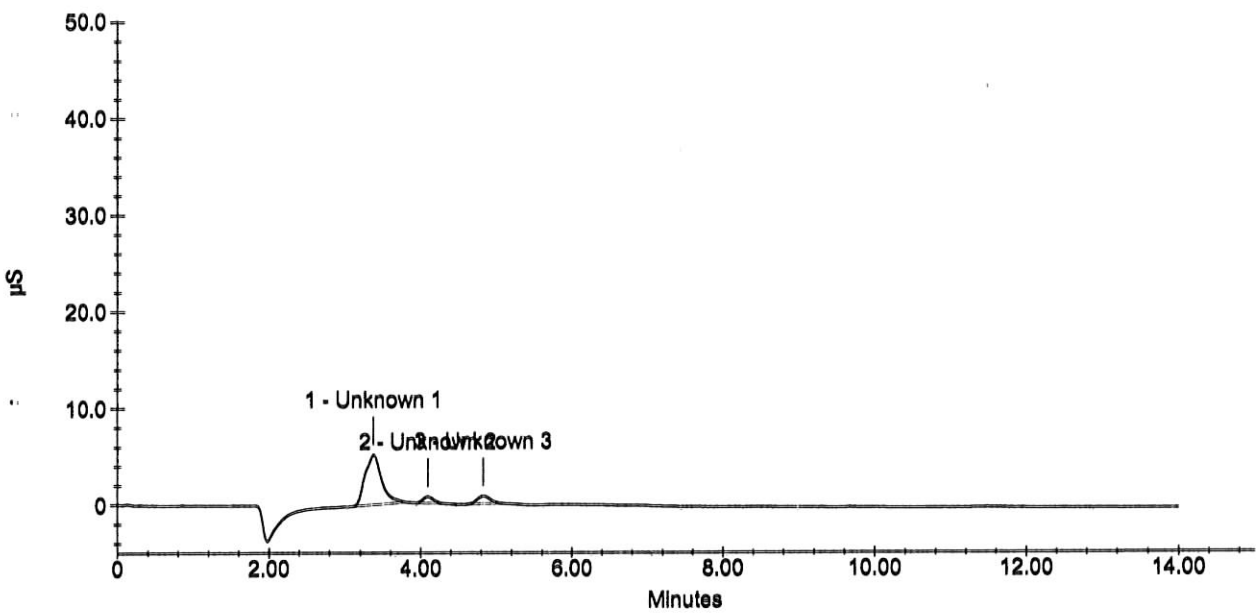
Sample Name : AY02580W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_056.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 01:08:43
System Operator : pd
Injection Number : 56
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	3.37	Unknown 1	0.0000	774081	51436	
2	4.09	Unknown 2	0.0000	60062	6434	
3	4.83	Unknown 3	0.0000	90895	7760	

AY02580W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101258

APPL ID: AY02581

Sample Collection Date: No Date Specified

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

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Sample Analysis Report

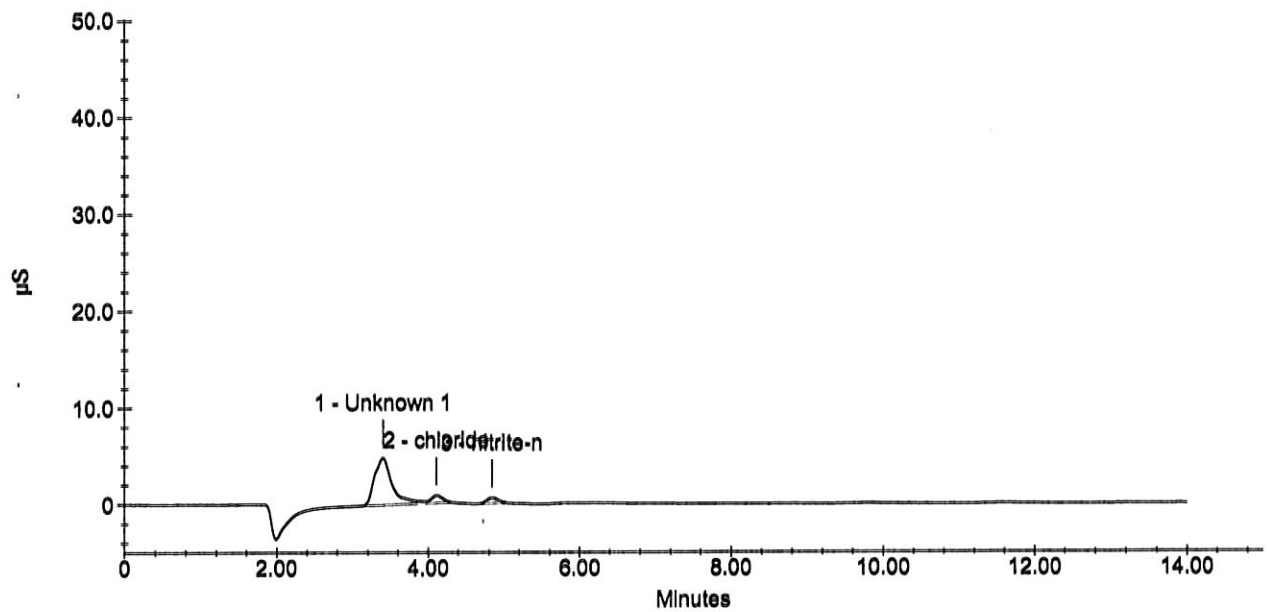
Sample Name : AY02581W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_061.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 02:44:44
System Operator : pd
Injection Number : 61
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	774953	48645	
2	4.11	chloride	5.4013	82900	7827	
3	4.84	nitrite-n	0.4334	59792	5665	

AY02581W01 1/5



APPL, Inc.

Current Date : 9/4/09
Current Time : 03:01:16

Sample Analysis Report

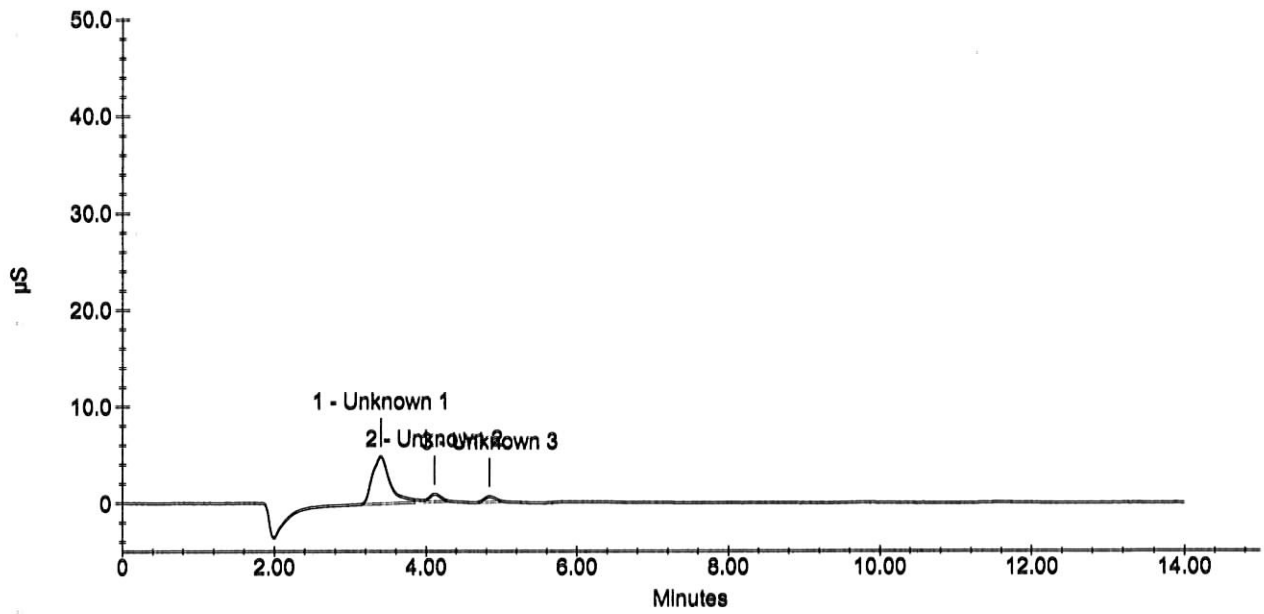
Sample Name : AY02581W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_061.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 02:44:44
System Operator : pd
Injection Number : 61
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	774953	48645	
2	4.11	Unknown 2	0.0000	82900	7827	
3	4.84	Unknown 3	0.0000	59792	5665	

AY02581W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101259
Sample Collection Date: No Date Specified

APPL ID: AY02582
ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

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Sample Analysis Report

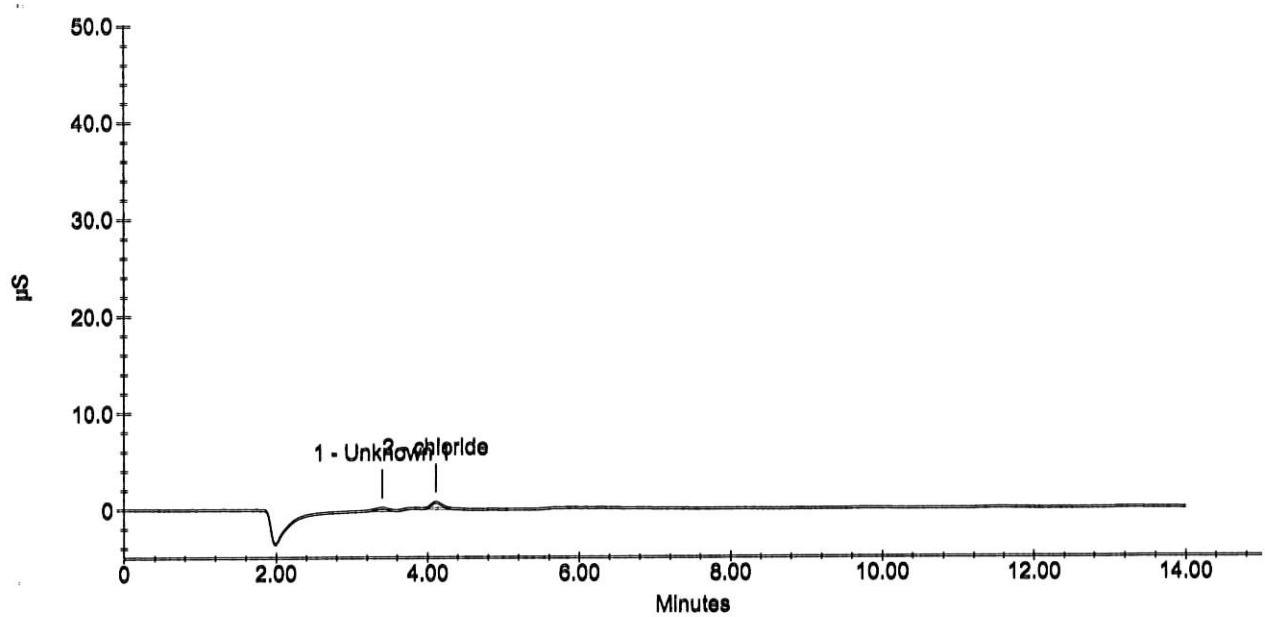
Sample Name : AY02582W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_062.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 03:01:21
System Operator : pd
Injection Number : 62
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	26489	2686	
2	4.11	chloride	5.2468	59111	6324	

AY02582W01 1/5



Sample Analysis Report

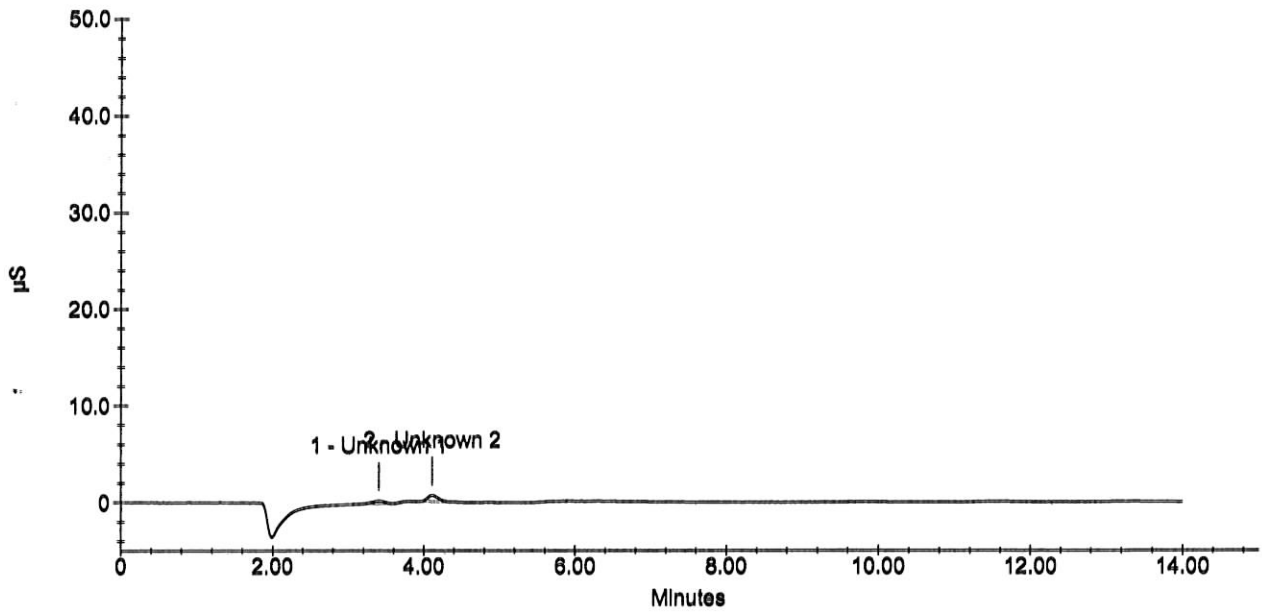
Sample Name : AY02582W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_062.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 03:01:21
System Operator : pd
Injection Number : 62
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	26489	2686	
2	4.11	Unknown 2	0.0000	59111	6324	

AY02582W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101260
Sample Collection Date: No Date Specified

APPL ID: AY02583
ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

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Sample Analysis Report

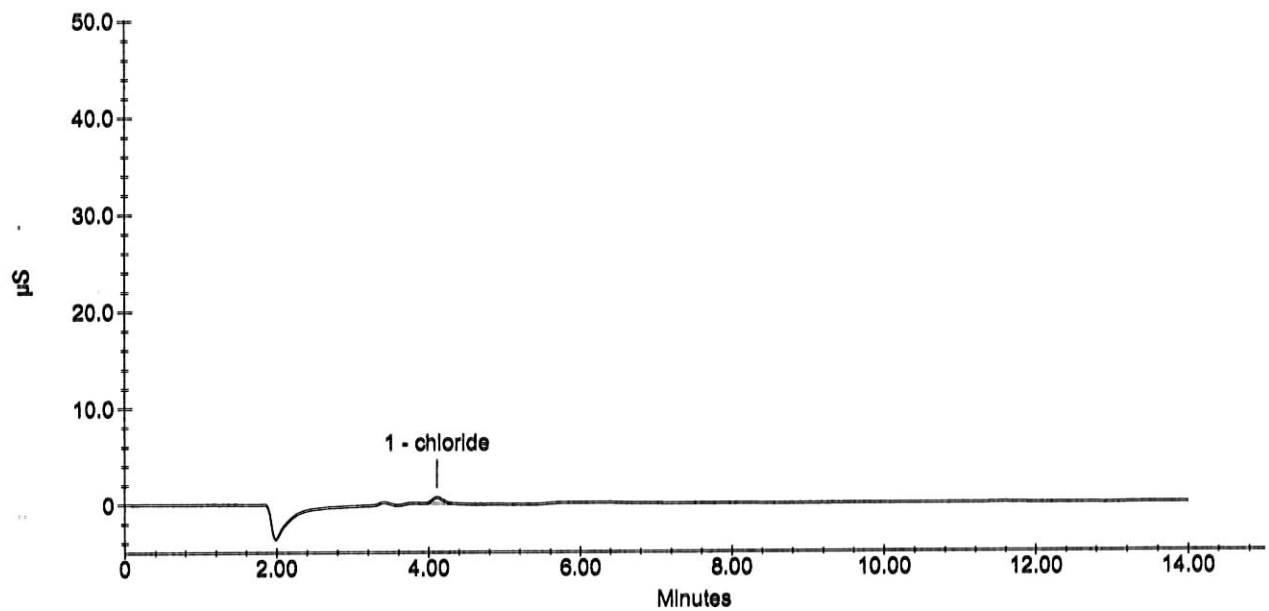
Sample Name : AY02583W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_063.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 03:17:58
System Operator : pd
Injection Number : 63
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.11	chloride	5.2257	55864	5867	

AY02583W01 1/5



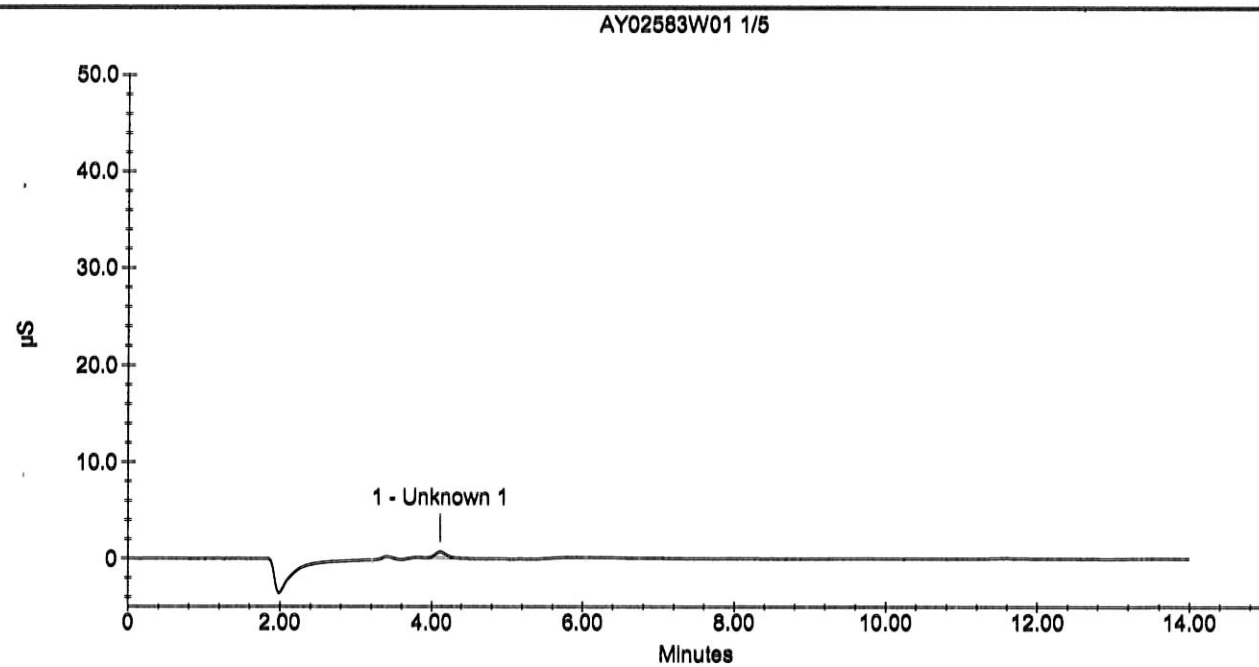
Sample Analysis Report

Sample Name : AY02583W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_063.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 03:17:58
System Operator : pd
Injection Number : 63
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.11	Unknown 1	0.0000	55864	5867	



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101587

APPL ID: AY02584

Sample Collection Date: No Date Specified

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

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Sample Analysis Report

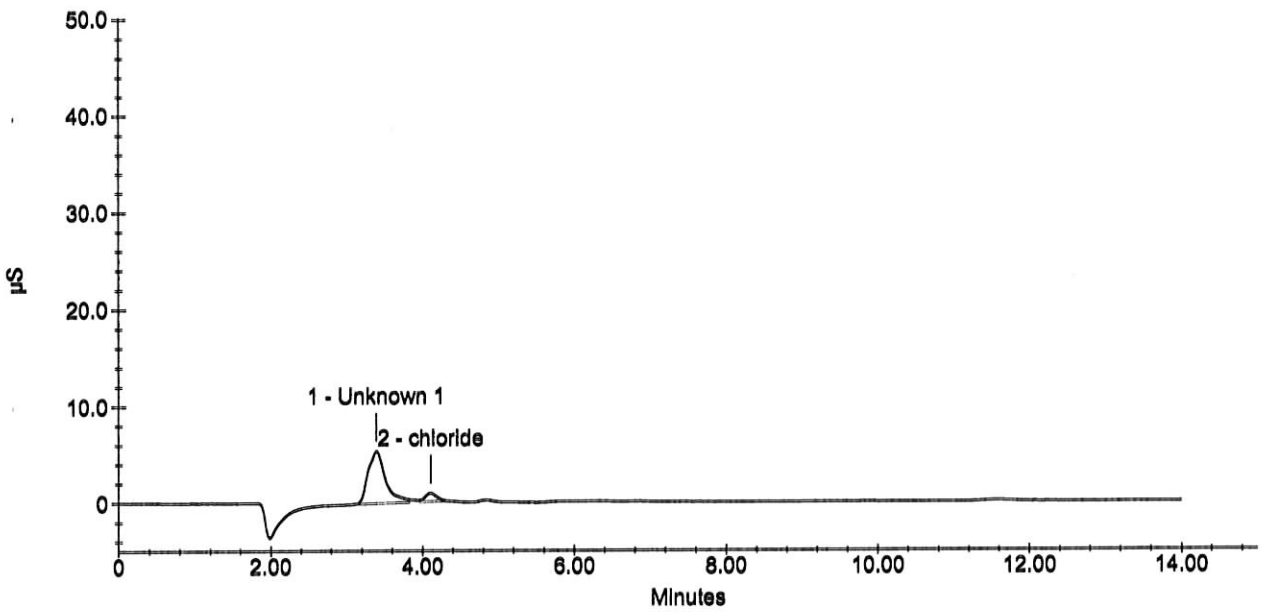
Sample Name : AY02584W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_064.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 03:34:34
System Operator : pd
Injection Number : 64
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	845181	53654	
2	4.11	chloride	5.4603	91991	8621	

AY02584W01 1/5



Sample Analysis Report

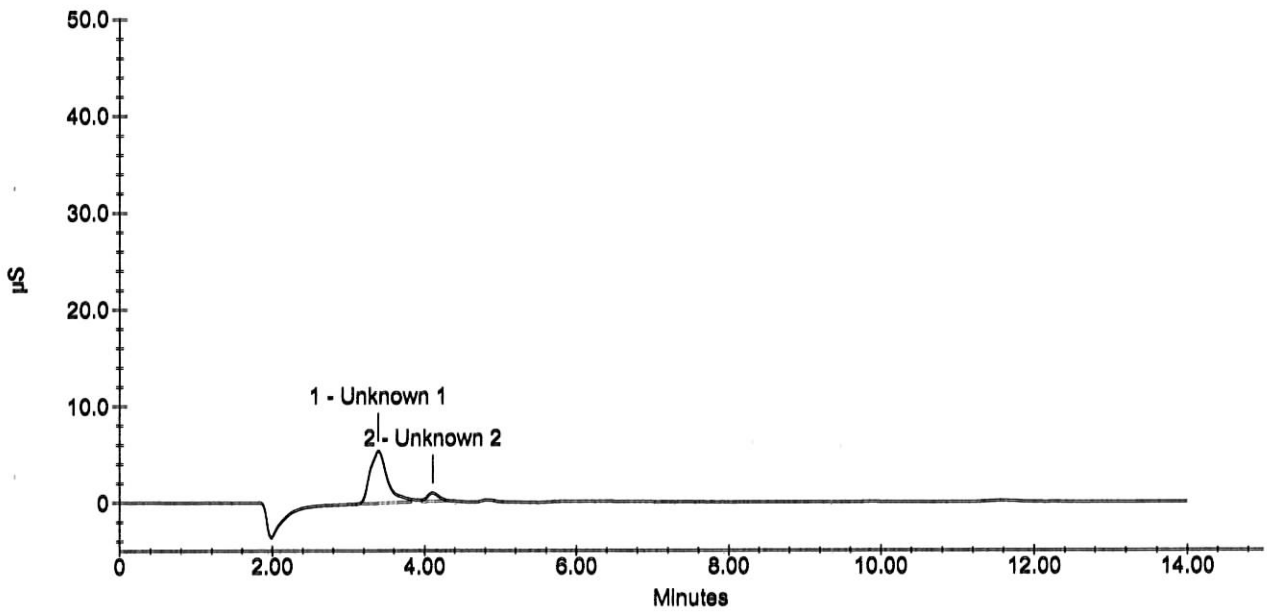
Sample Name : AY02584W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_064.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 03:34:34
System Operator : pd
Injection Number : 64
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	845181	53654	
2	4.11	Unknown 2	0.0000	91991	8621	

AY02584W01 1/5



Sample Analysis Report

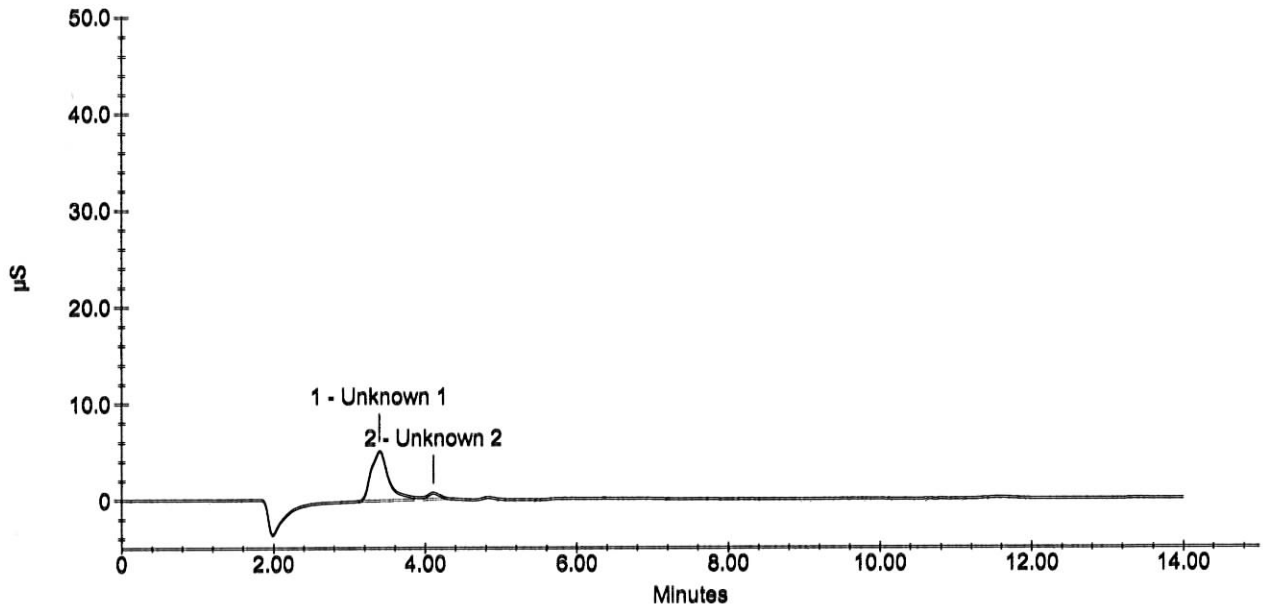
Sample Name : AY02585W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_065.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 03:51:11
System Operator : pd
Injection Number : 65
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	801065	50547	
2	4.11	Unknown 2	0.0000	66464	6173	

AY02585W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101590

APPL ID: AY02586

Sample Collection Date: No Date Specified

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

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Sample Analysis Report

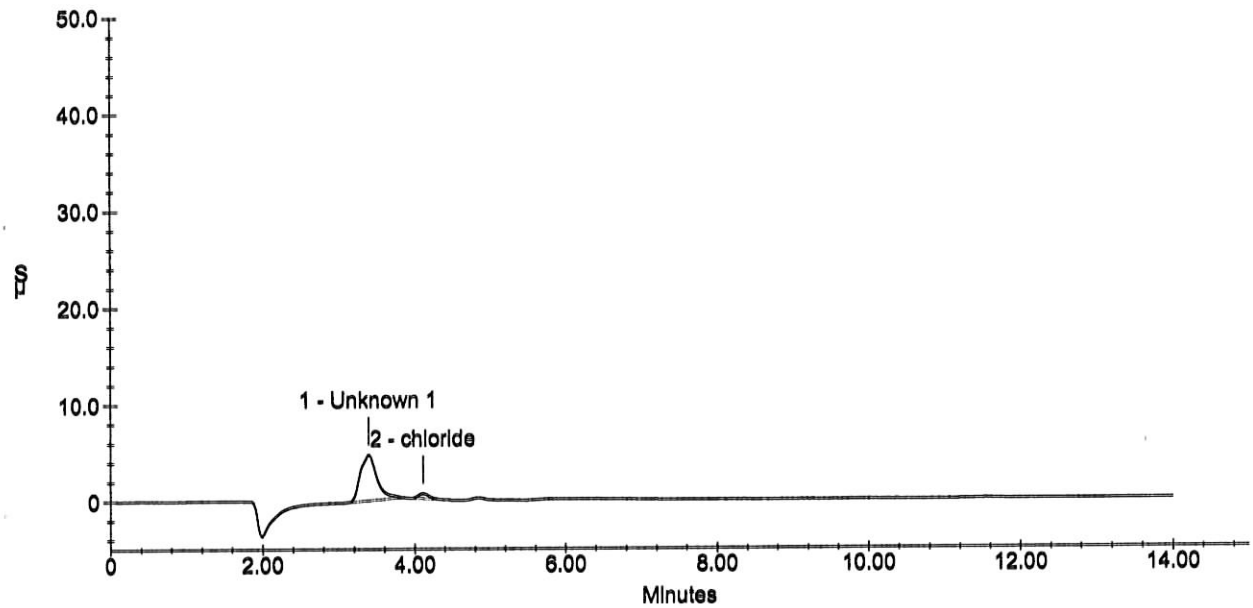
Sample Name : AY02586W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_066.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 04:07:48
System Operator : pd
Injection Number : 66
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	712757	46984	
2	4.11	chloride	5.1683	47022	5079	

AY02586W01 1/5



Sample Analysis Report

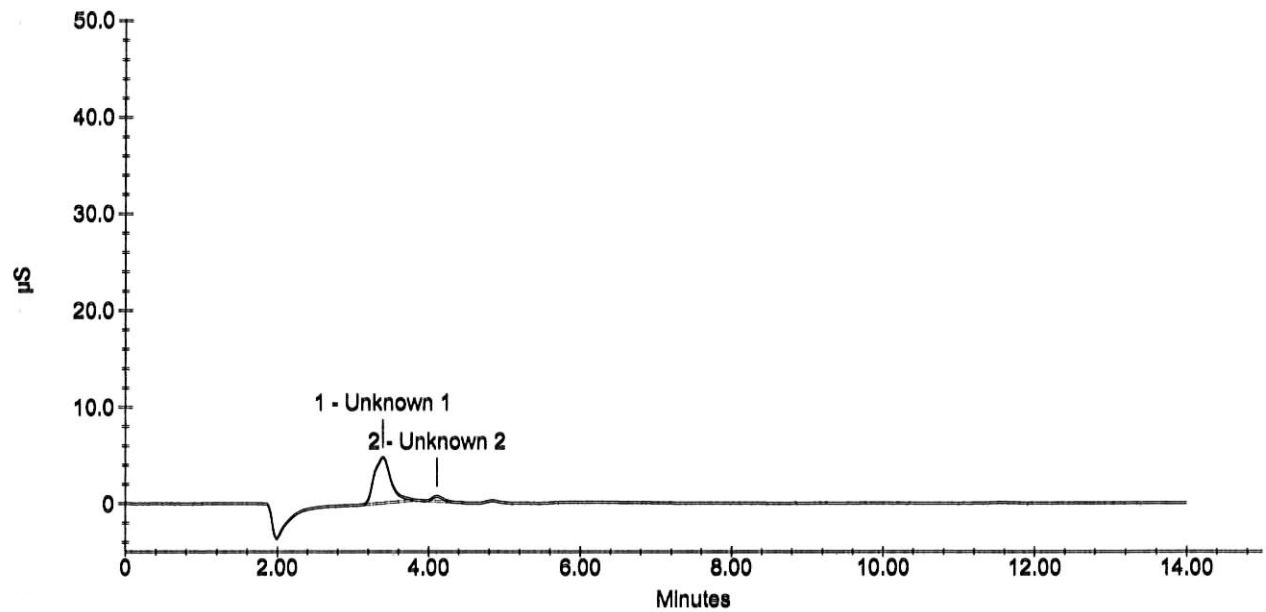
Sample Name : AY02586W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_066.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 04:07:48
System Operator : pd
Injection Number : 66
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	712757	46984	
2	4.11	Unknown 2	0.0000	47022	5079	

AY02586W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101591

APPL ID: AY02587

Sample Collection Date: No Date Specified

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

Sample Analysis Report

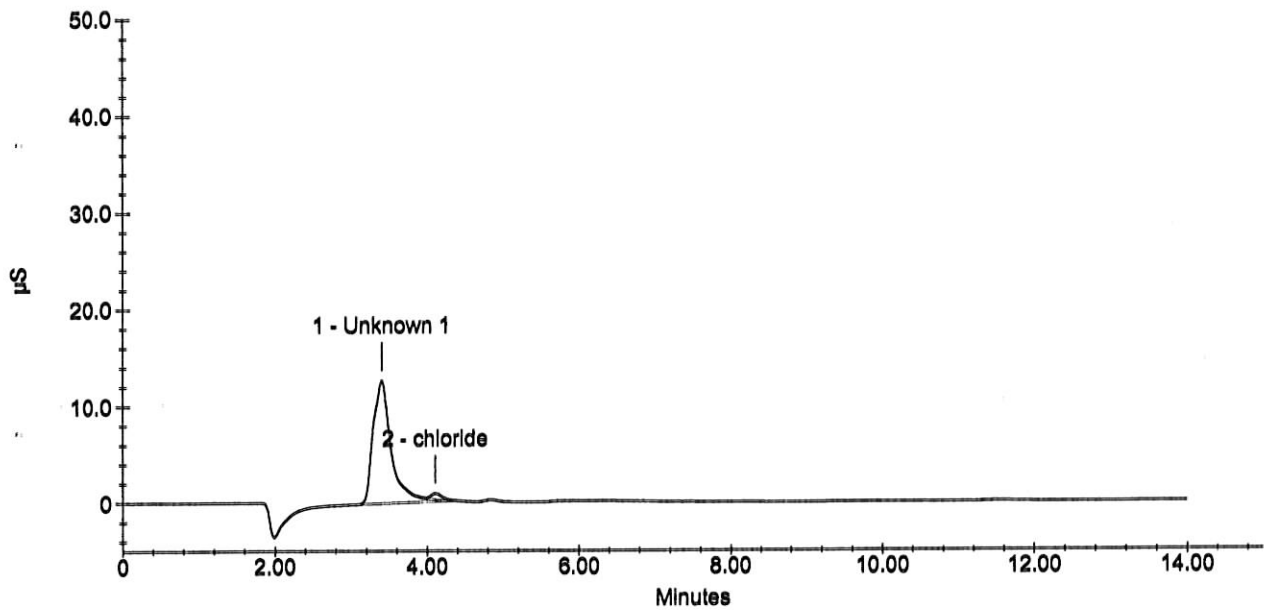
Sample Name : AY02587W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_067.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 04:24:26
System Operator : pd
Injection Number : 67
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	2089861	126557	
2	4.11	chloride	5.3280	71616	6673	

AY02587W01 1/5



Sample Analysis Report

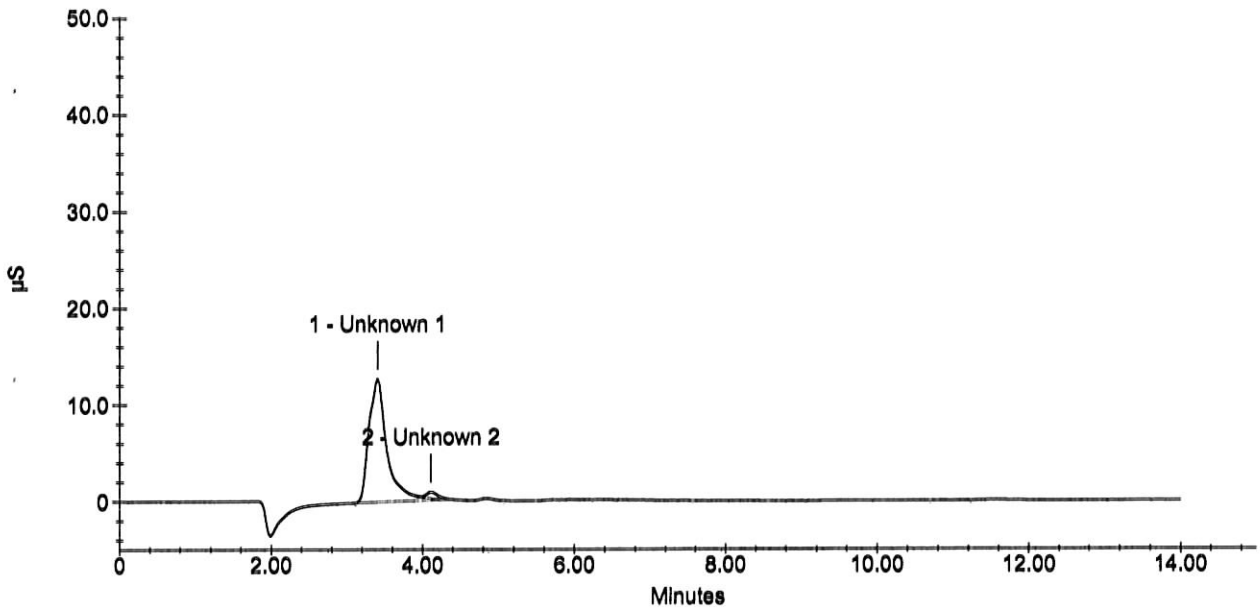
Sample Name : AY02587W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_067.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 04:24:26
System Operator : pd
Injection Number : 67
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	2089861	126557	
2	4.11	Unknown 2	0.0000	71616	6673	

AY02587W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101592

APPL ID: AY02588

Sample Collection Date: No Date Specified

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

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Sample Analysis Report

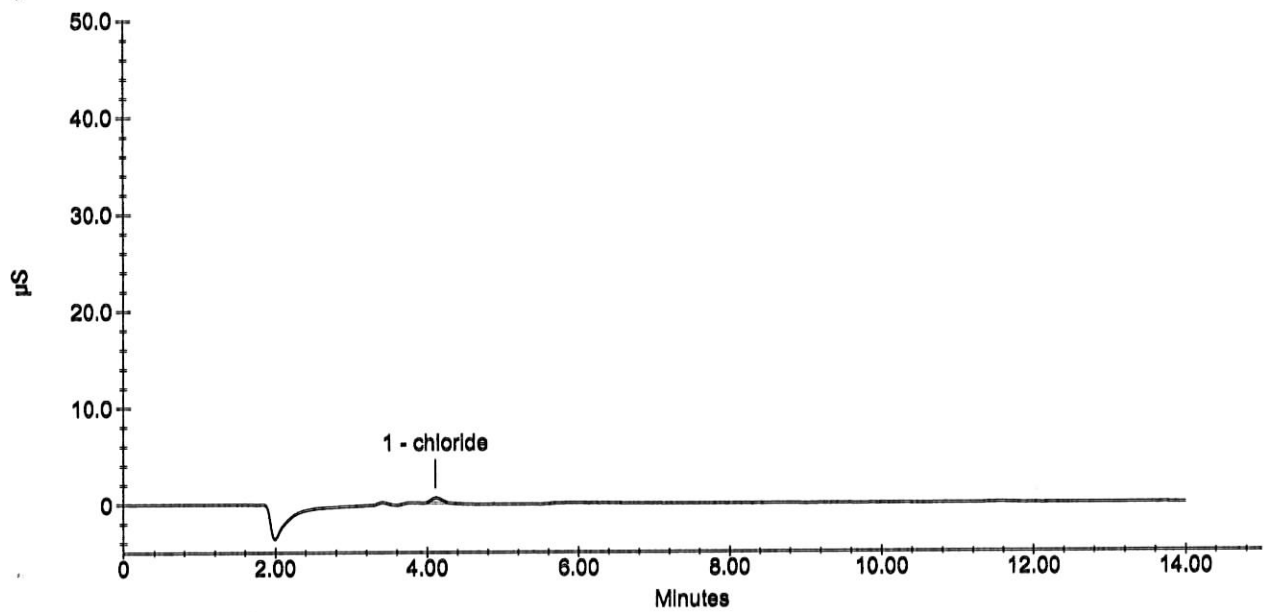
Sample Name : AY02588W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_068.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 04:41:02
System Operator : pd
Injection Number : 68
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.11	chloride	5.1712	47467	5046	

AY02588W01 1/5



Sample Analysis Report

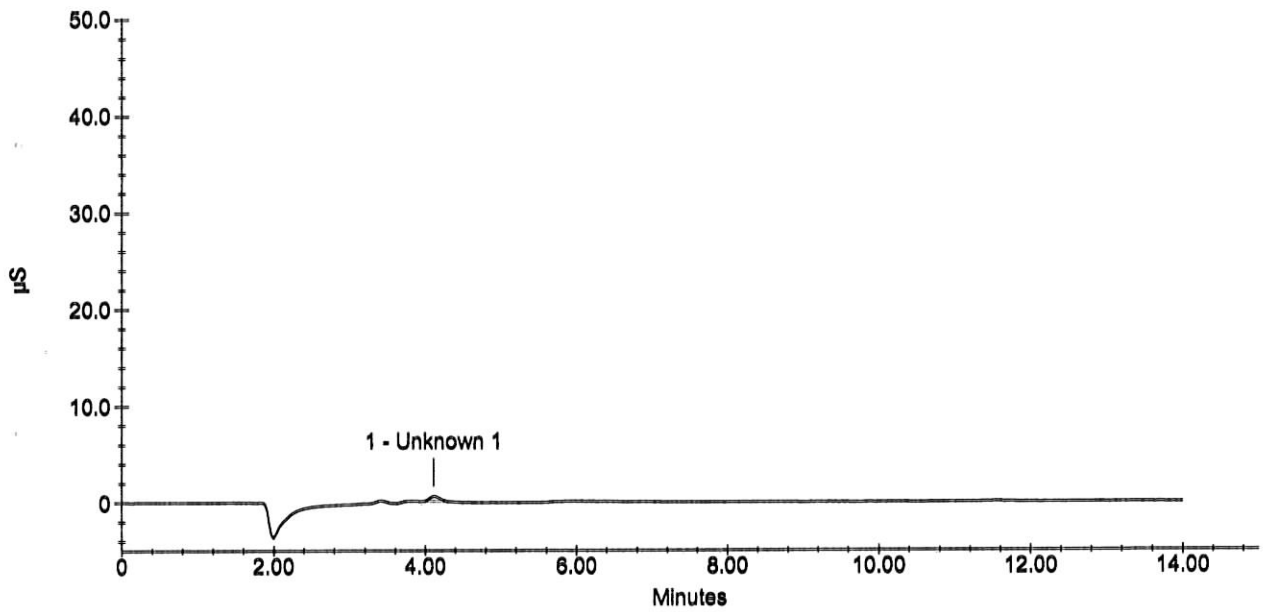
Sample Name : AY02588W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_068.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 04:41:02
System Operator : pd
Injection Number : 68
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.11	Unknown 1	0.0000	47467	5046	

AY02588W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101323
Sample Collection Date: No Date Specified

APPL ID: AY02589
ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

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Sample Analysis Report

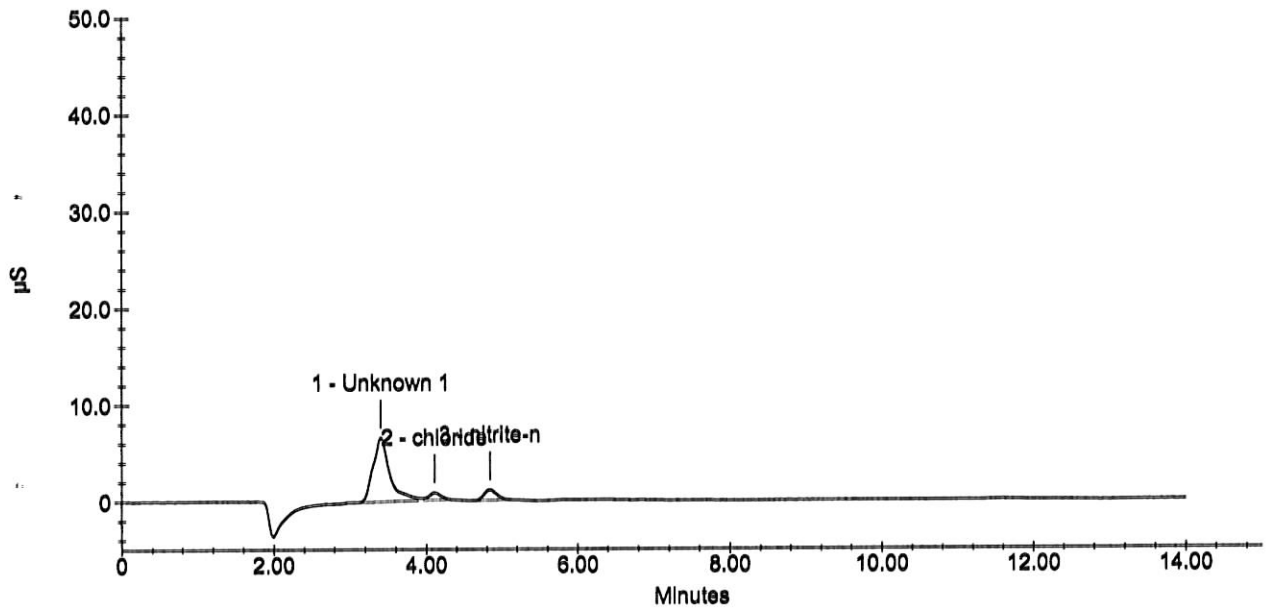
Sample Name : AY02589W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_069.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 04:57:38
System Operator : pd
Injection Number : 69
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	991601	65788	
2	4.11	chloride	5.3745	78776	7427	
3	4.84	nitrite-n	0.6603	119793	10576	

AY02589W01 1/5



Sample Analysis Report

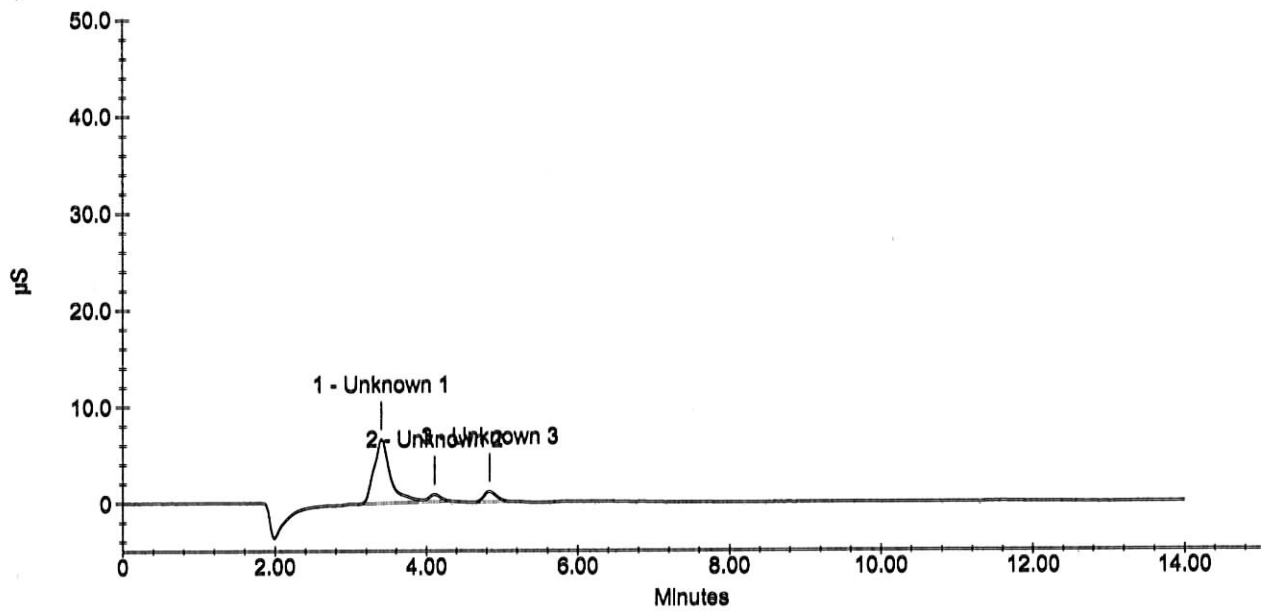
Sample Name : AY02589W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_069.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 04:57:38
System Operator : pd
Injection Number : 69
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	991601	65788	
2	4.11	Unknown 2	0.0000	78776	7427	
3	4.84	Unknown 3	0.0000	119793	10576	

AY02589W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101324

Sample Collection Date: No Date Specified

APPL ID: AY02590

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

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Sample Analysis Report

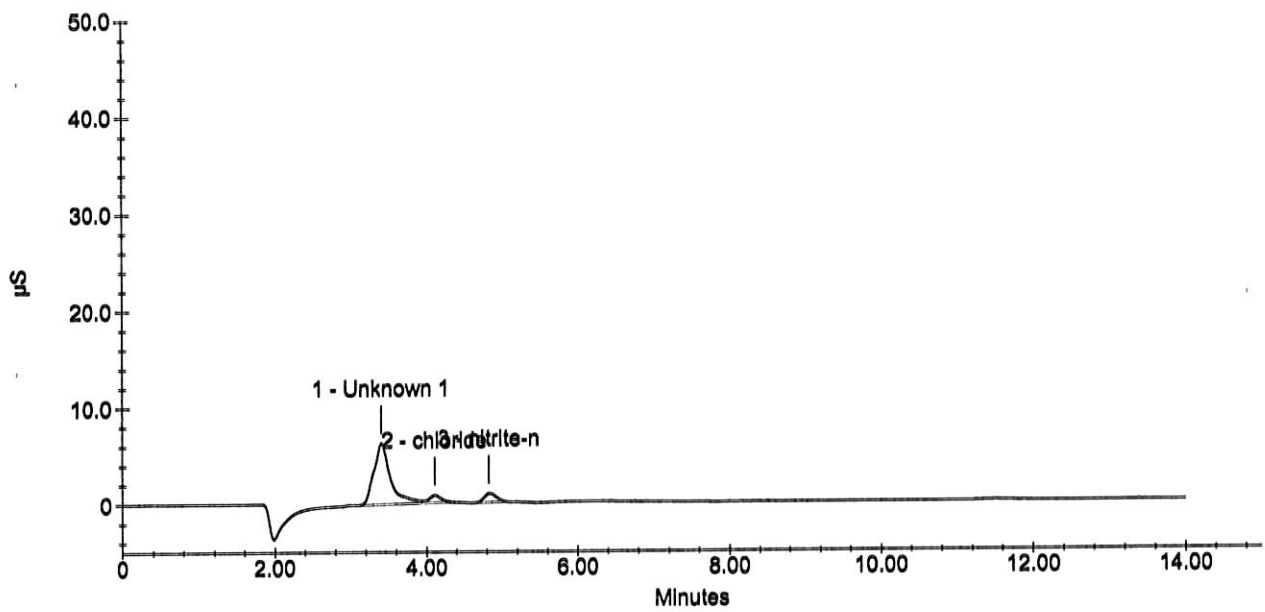
Sample Name : AY02590W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_070.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 05:14:16
System Operator : pd
Injection Number : 70
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	954770	62760	
2	4.11	chloride	5.3879	80839	7435	
3	4.83	nitrite-n	0.5885	100816	9022	

AY02590W01 1/5



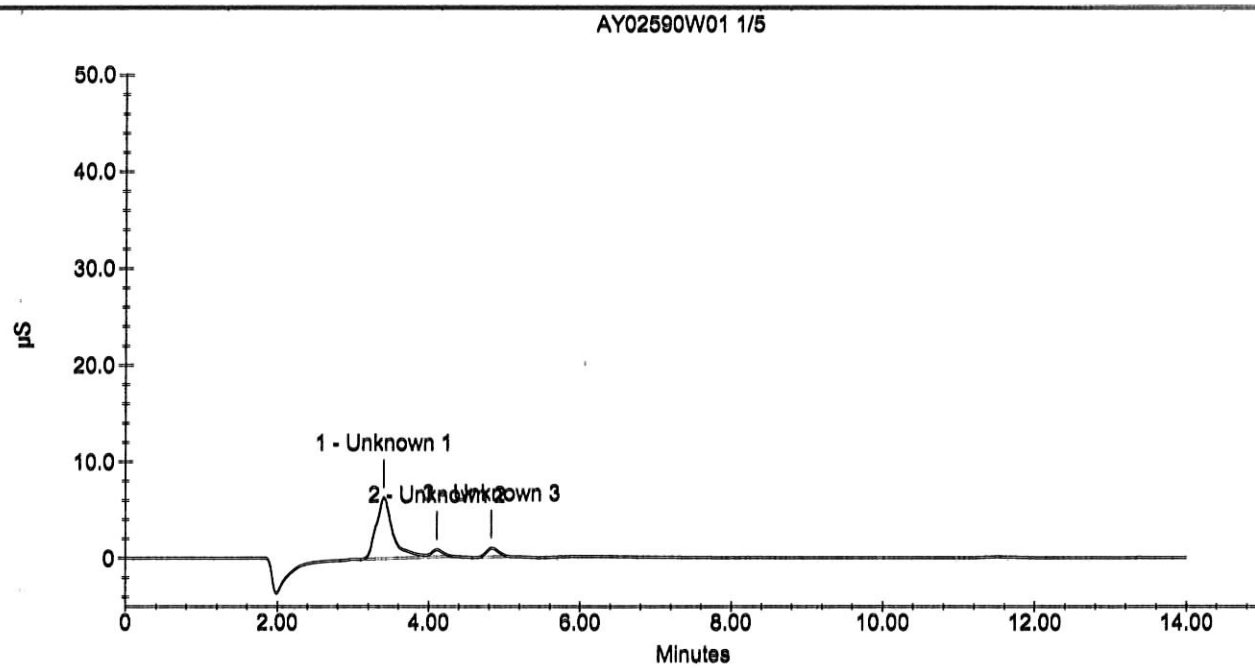
Sample Analysis Report

Sample Name : AY02590W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_070.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 05:14:16
System Operator : pd
Injection Number : 70
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	954770	62760	
2	4.11	Unknown 2	0.0000	80839	7435	
3	4.83	Unknown 3	0.0000	100816	9022	



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101325

Sample Collection Date: No Date Specified

APPL ID: AY02591

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

Sample Analysis Report

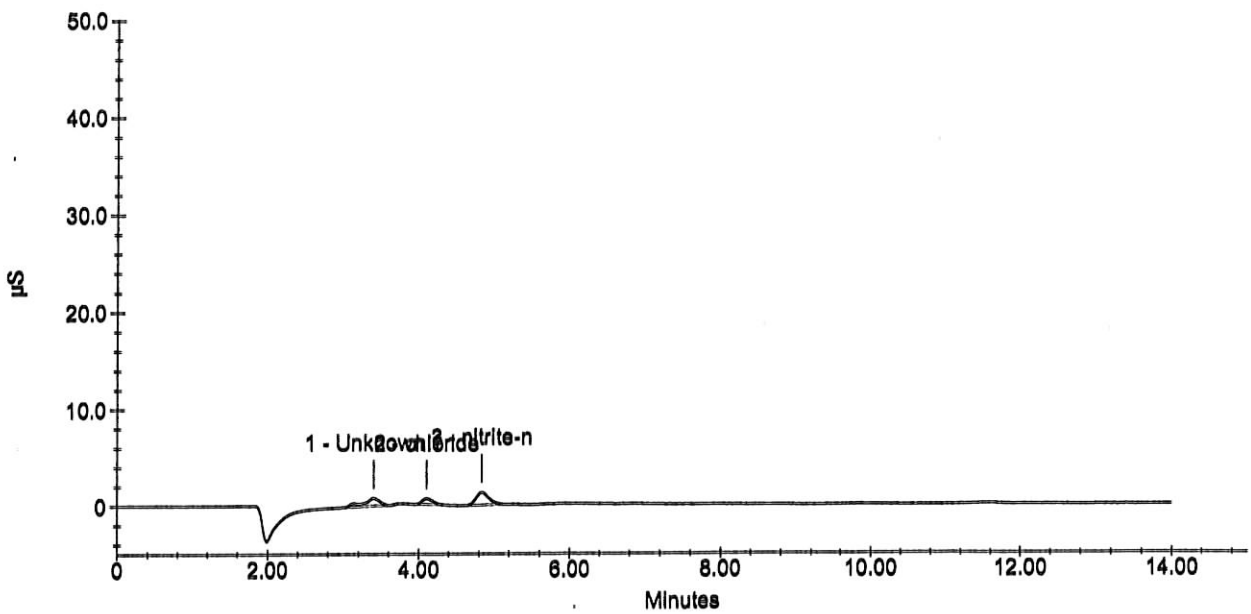
Sample Name : AY02591W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_077.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 07:09:22
System Operator : pd
Injection Number : 77
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	116879	7894	
2	4.11	chloride	5.2288	56343	5871	
3	4.84	nitrite-n	0.7646	147362	12837	

AY02591W01 1/5



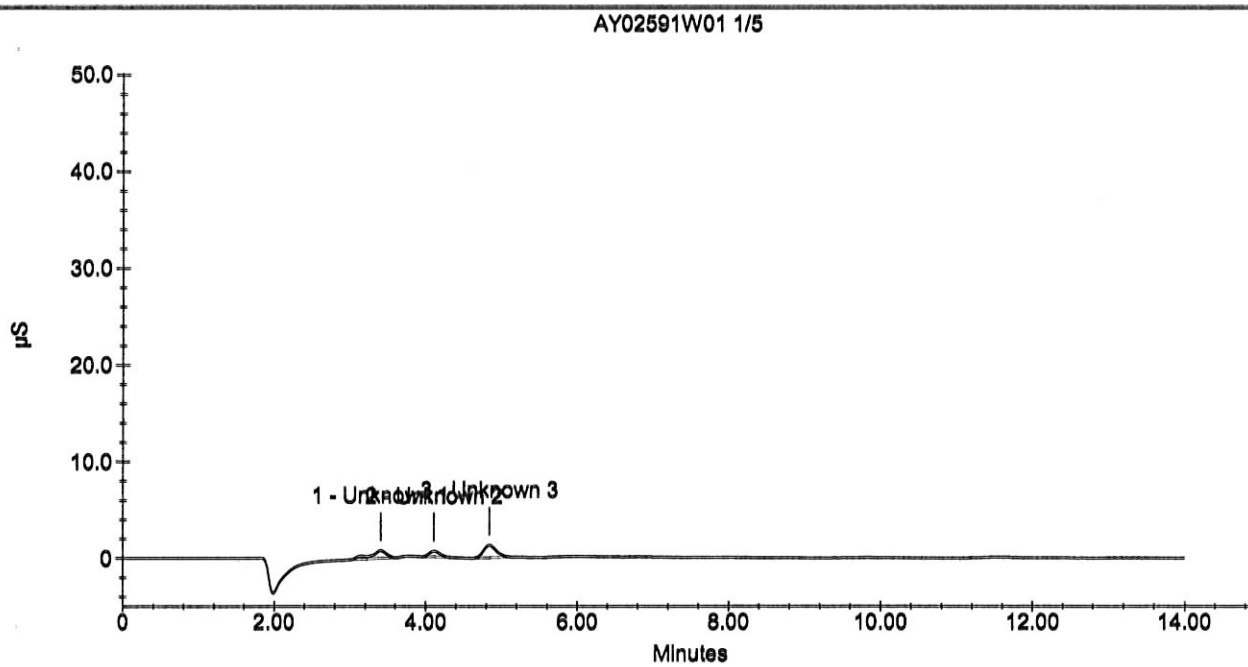
Sample Analysis Report

Sample Name : AY02591W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_077.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 07:09:22
System Operator : pd
Injection Number : 77
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	116879	7894	
2	4.11	Unknown 2	0.0000	56343	5871	
3	4.84	Unknown 3	0.0000	147362	12837	



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101326

APPL ID: AY02592

Sample Collection Date: No Date Specified

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

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Sample Analysis Report

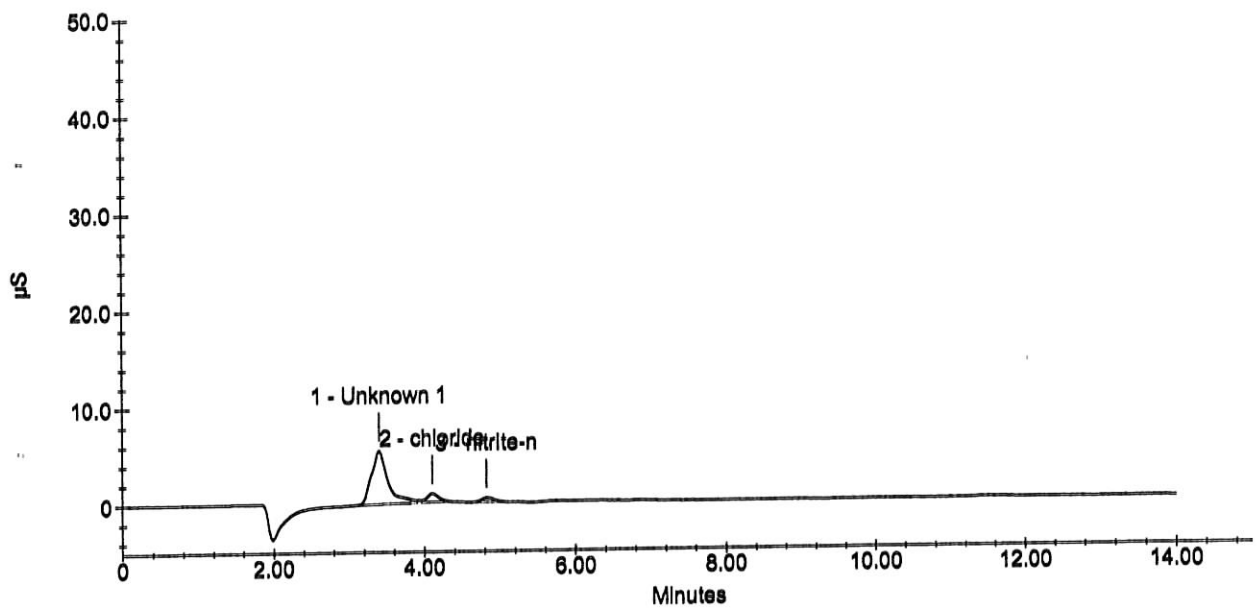
Sample Name : AY02592W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_078.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 07:26:03
System Operator : pd
Injection Number : 78
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	827156	54671	
2	4.11	chloride	5.4541	91033	8628	
3	4.83	nitrite-n	0.3737	44013	4152	

AY02592W01 1/5



Sample Analysis Report

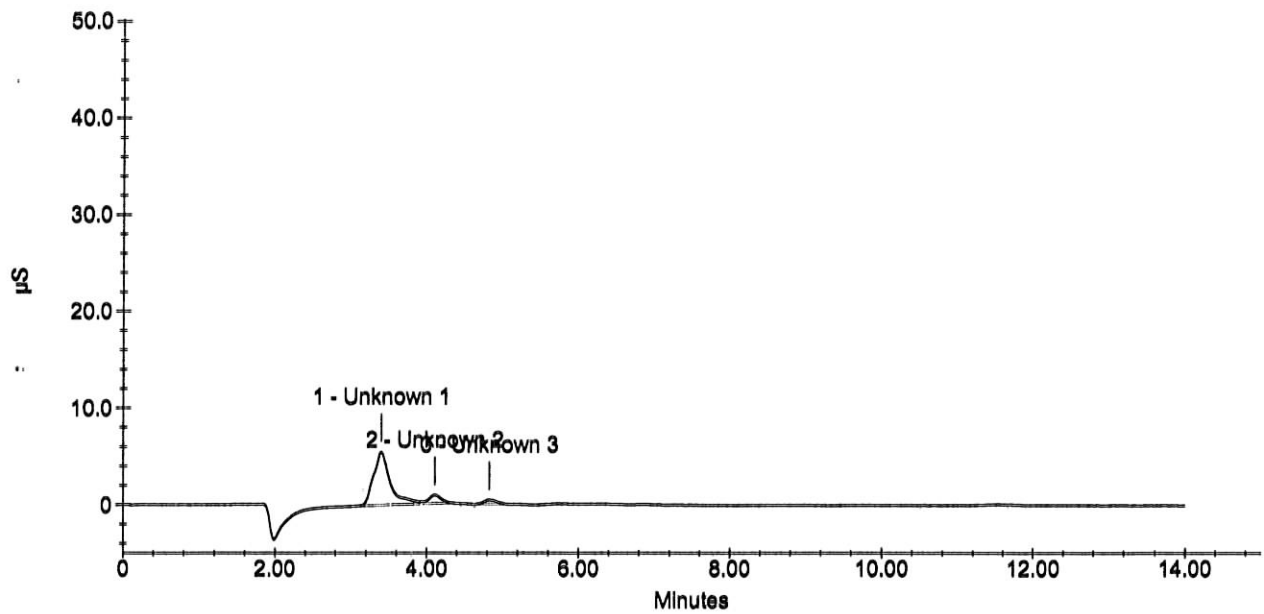
Sample Name : AY02592W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_078.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 07:26:03
System Operator : pd
Injection Number : 78
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	827156	54671	
2	4.11	Unknown 2	0.0000	91033	8628	
3	4.83	Unknown 3	0.0000	44013	4152	

AY02592W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101327
Sample Collection Date: No Date Specified

APPL ID: AY02593
ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

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Sample Analysis Report

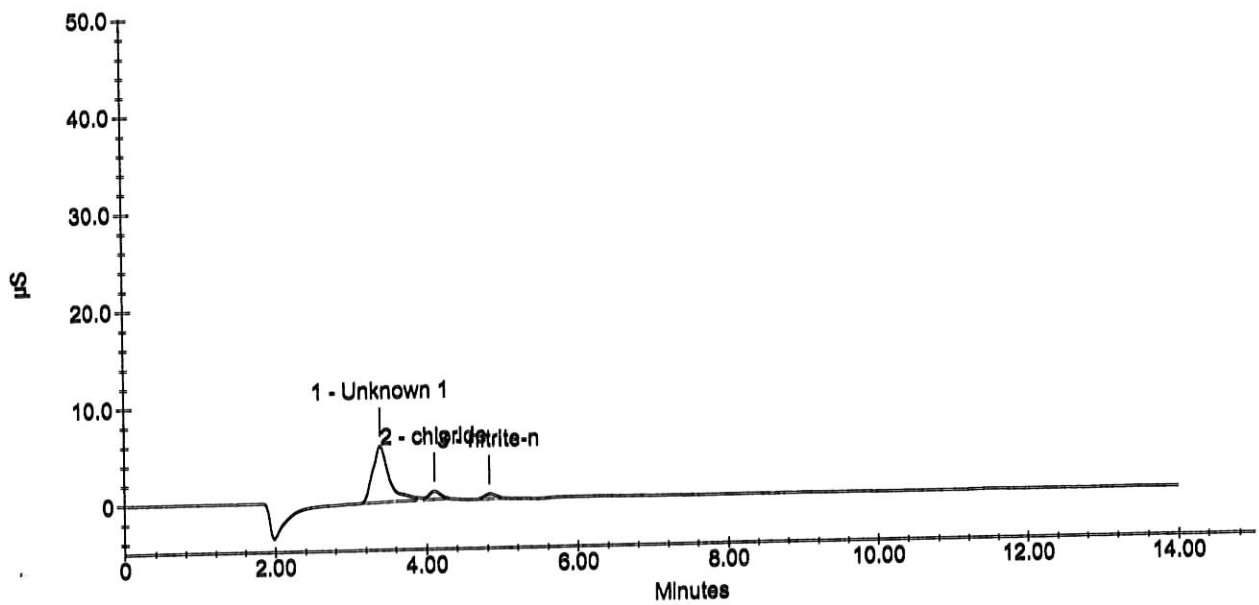
Sample Name : AY02593W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_079.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 07:42:43
System Operator : pd
Injection Number : 79
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	874496	57829	
2	4.11	chloride	5.4075	83860	8216	
3	4.83	nitrite-n	0.4137	54599	4980	

AY02593W01 1/5



Sample Analysis Report

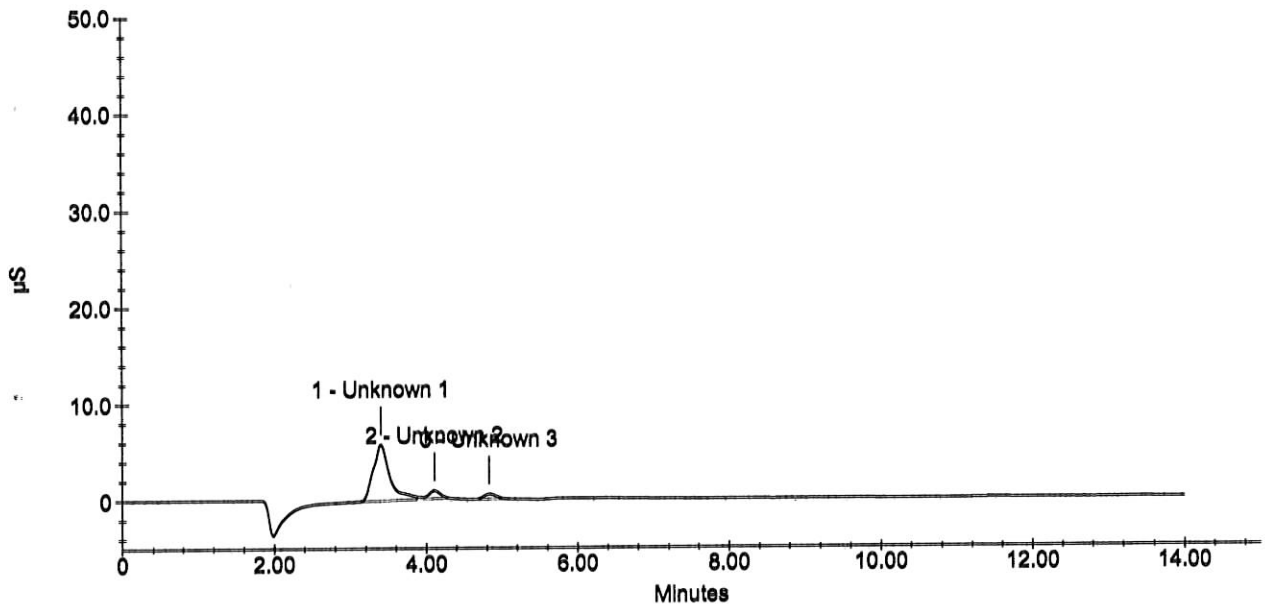
Sample Name : AY02593W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_079.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 07:42:43
System Operator : pd
Injection Number : 79
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	874496	57829	
2	4.11	Unknown 2	0.0000	83860	8216	
3	4.83	Unknown 3	0.0000	54599	4980	

AY02593W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101328
Sample Collection Date: No Date Specified

APPL ID: AY02594
ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

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Sample Analysis Report

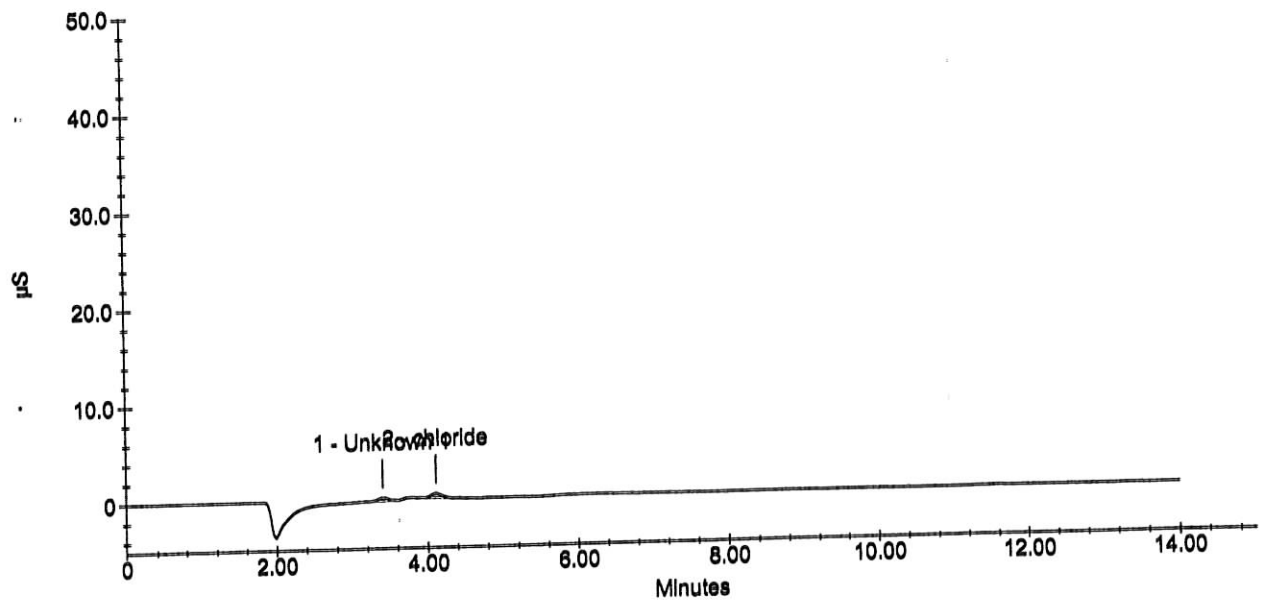
Sample Name : AY02594W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_080.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 07:59:22
System Operator : pd
Injection Number : 80
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	22992	2803	
2	4.11	chloride	5.1155	38886	4198	

AY02594W01 1/5



Sample Analysis Report

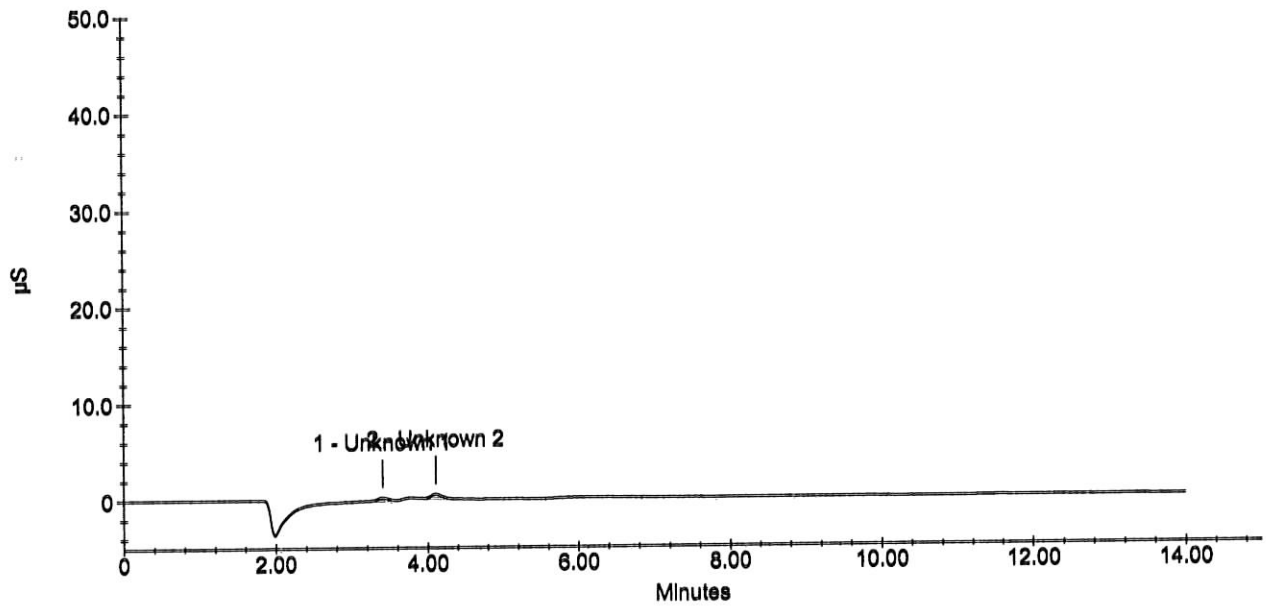
Sample Name : AY02594W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_080.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 07:59:22
System Operator : pd
Injection Number : 80
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	22992	2803	
2	4.11	Unknown 2	0.0000	38886	4198	

AY02594W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101678

Sample Collection Date: No Date Specified

APPL ID: AY02595

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

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Sample Analysis Report

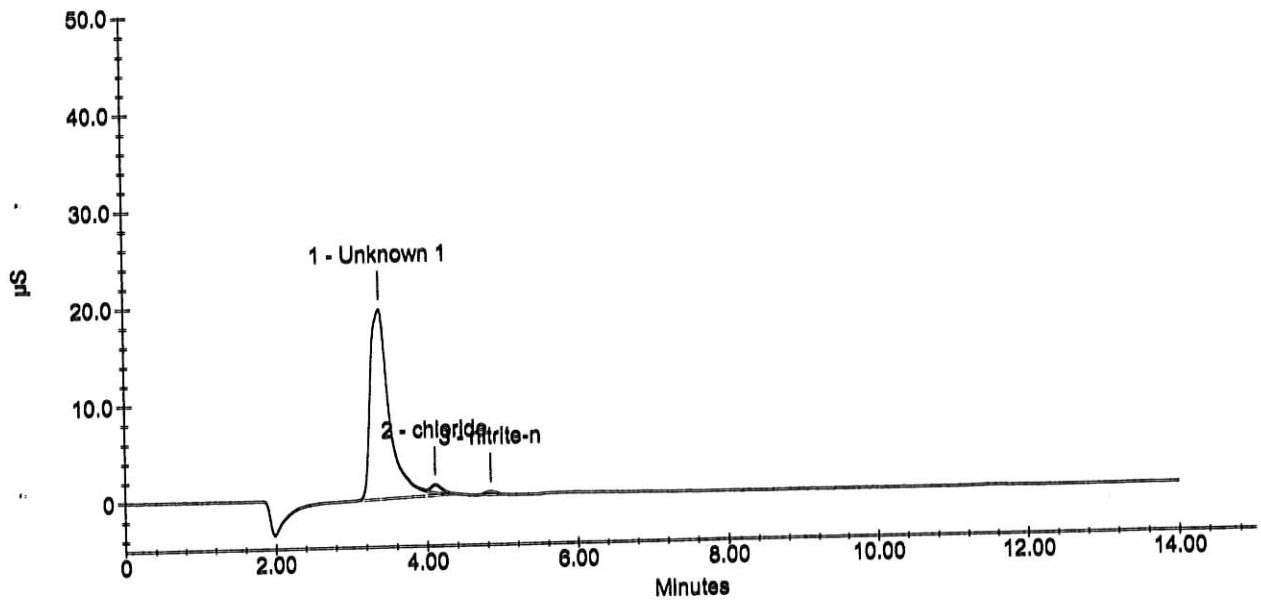
Sample Name : AY02595W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_081.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 08:15:58
System Operator : pd
Injection Number : 81
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	3368641	194641	
2	4.11	chloride	5.4460	89792	8535	
3	4.84	nitrite-n	0.3277	31848	3152	

AY02595W01 1/5



Sample Analysis Report

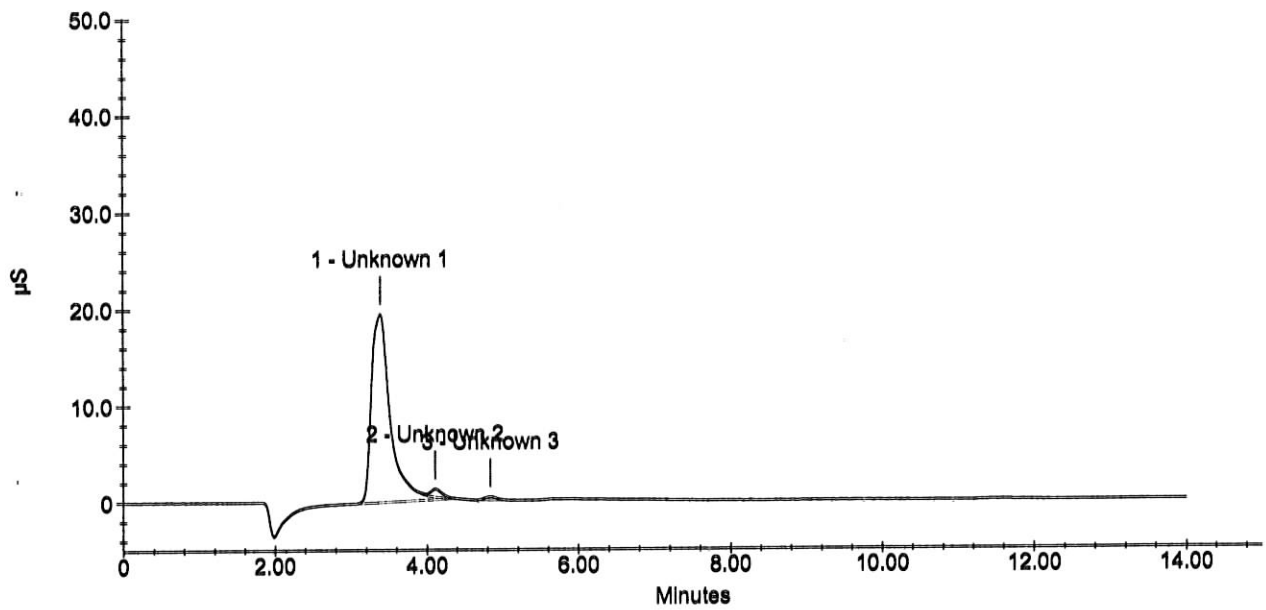
Sample Name : AY02595W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_081.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 08:15:58
System Operator : pd
Injection Number : 81
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	3368641	194641	
2	4.11	Unknown 2	0.0000	89792	8535	
3	4.84	Unknown 3	0.0000	31848	3152	

AY02595W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101679
Sample Collection Date: No Date Specified

APPL ID: AY02596
ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

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Sample Analysis Report

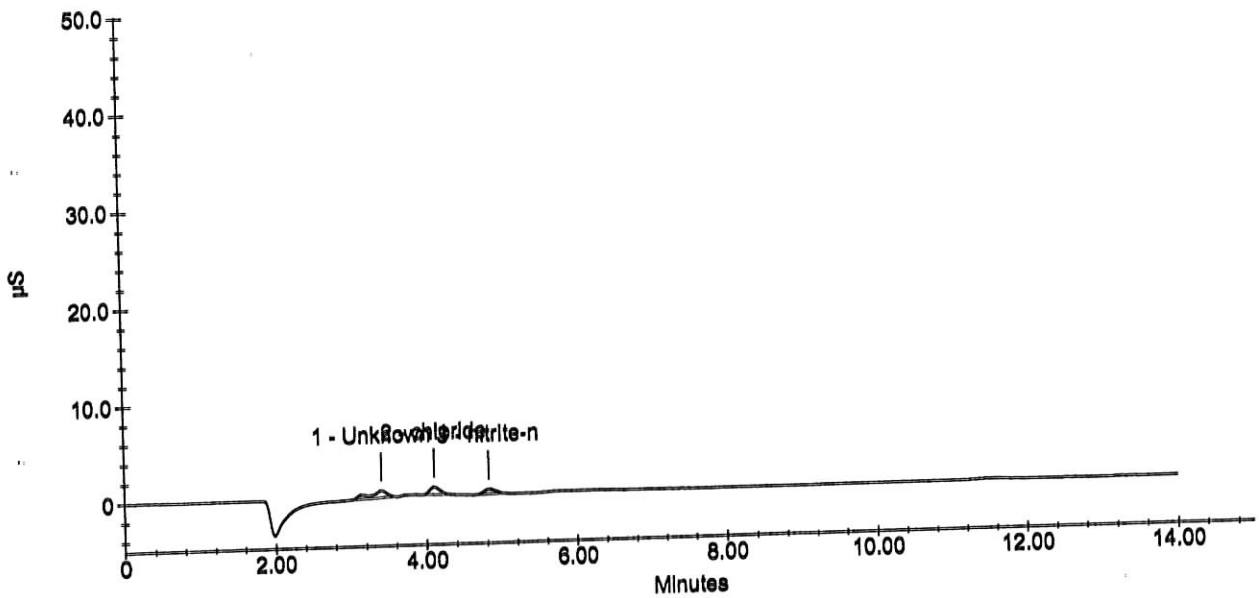
Sample Name : AY02596W01 1/5
Data File Name : i:\dionex\d1anions\data\090807a\090903A_082.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 08:32:35
System Operator : pd
Injection Number : 82
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	115646	7095	
2	4.11	chloride	5.3302	71962	7668	
3	4.83	nitrite-n	0.3971	50211	4920	

AY02596W01 1/5



Sample Analysis Report

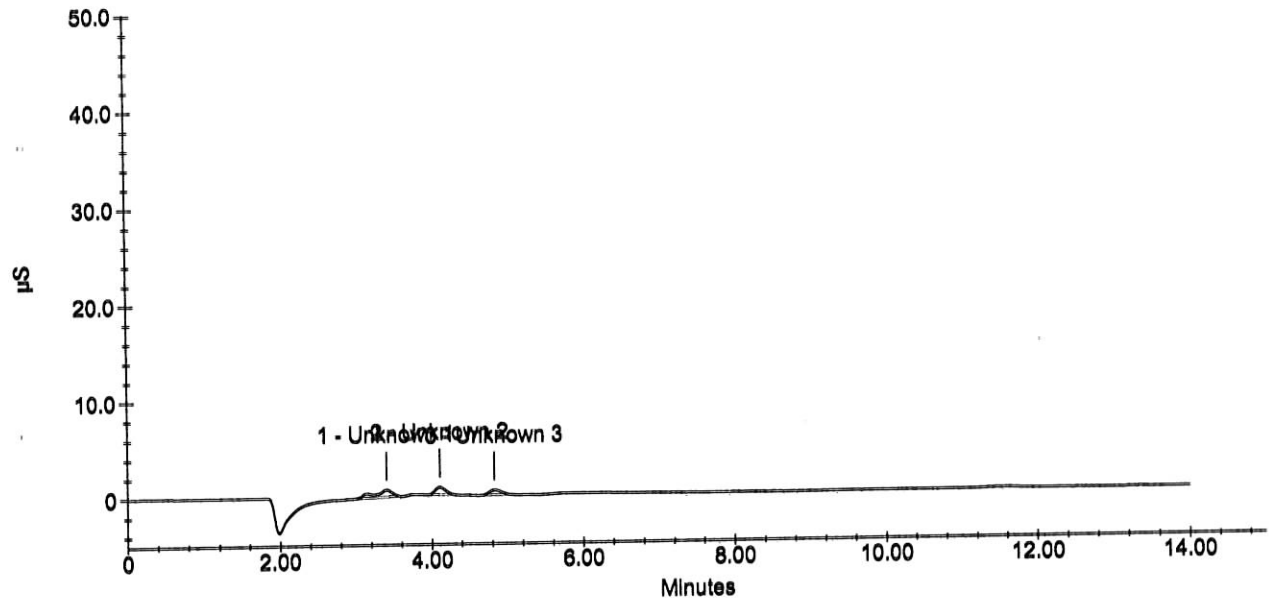
Sample Name : AY02596W01 1/5
Data File Name : i:\dionex\d1anions\data\090807a\090903A_082.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 08:32:35
System Operator : pd
Injection Number : 82
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	115646	7095	
2	4.11	Unknown 2	0.0000	71962	7668	
3	4.83	Unknown 3	0.0000	50211	4920	

AY02596W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101680

Sample Collection Date: No Date Specified

APPL ID: AY02597

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

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Sample Analysis Report

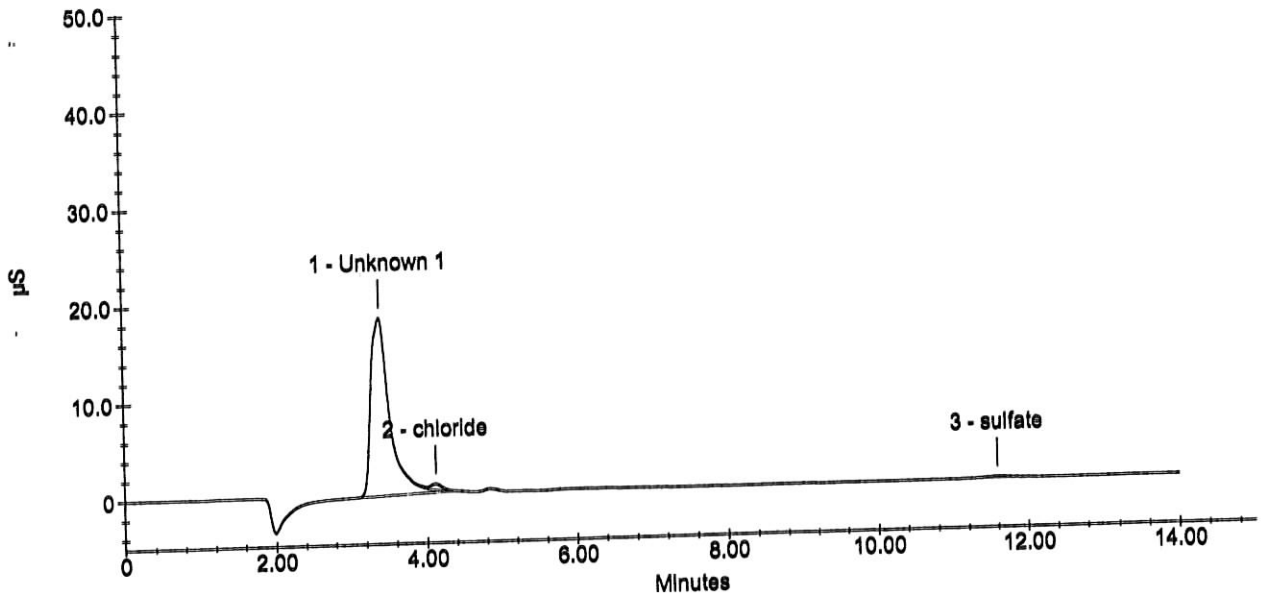
Sample Name : AY02597W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_083.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 08:49:12
System Operator : pd
Injection Number : 83
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	3131244	183225	
2	4.12	chloride	5.3142	69497	6481	
3	11.59	sulfate	2.3329	20209	1014	

AY02597W01 1/5



Sample Analysis Report

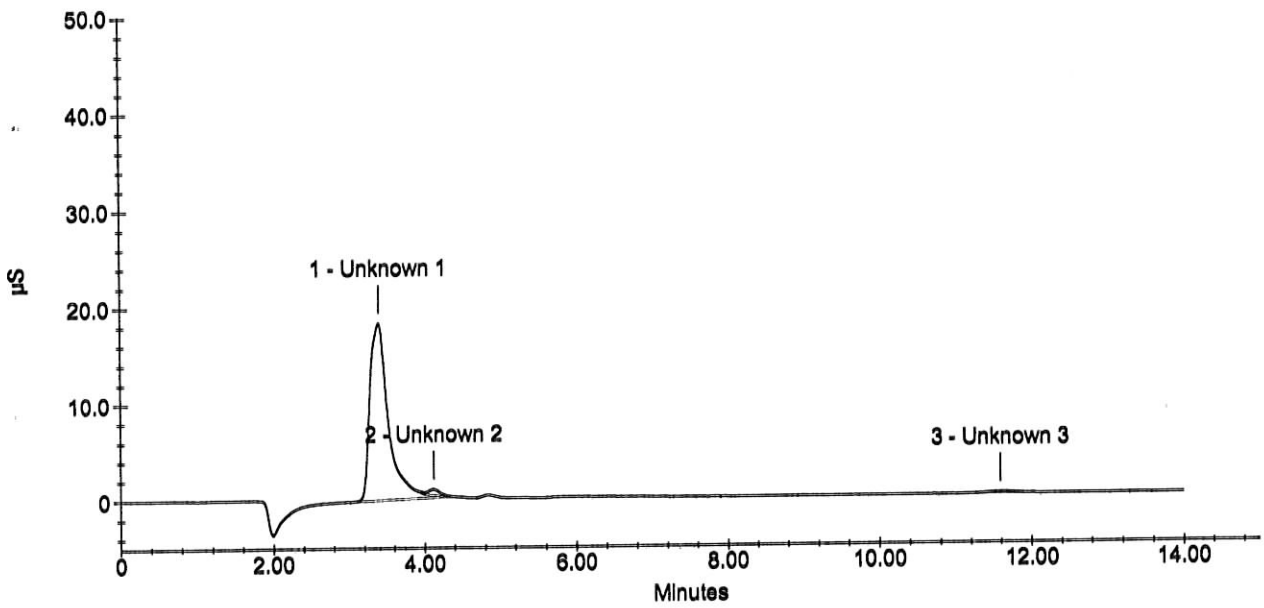
Sample Name : AY02597W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_083.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 08:49:12
System Operator : pd
Injection Number : 83
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	3131244	183225	
2	4.12	Unknown 2	0.0000	69497	6481	
3	11.59	Unknown 3	0.0000	20209	1014	

AY02597W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101681

Sample Collection Date: No Date Specified

APPL ID: AY02598

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

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Sample Analysis Report

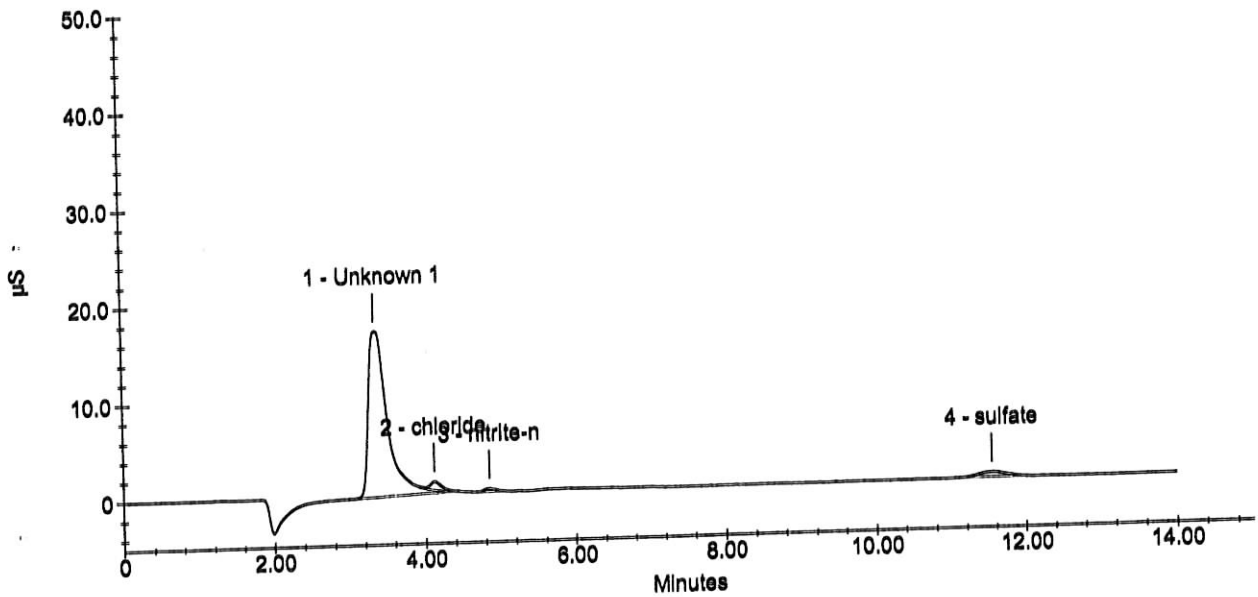
Sample Name : AY02598W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_084.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 09:05:48
System Operator : pd
Injection Number : 84
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	3.35	Unknown 1	0.0000	2996722	170153	
2	4.12	chloride	5.4853	95835	8963	
3	4.85	nitrite-n	0.3211	30114	2981	
4	11.55	sulfate	3.4393	126922	5071	

AY02598W01 1/5



Sample Analysis Report

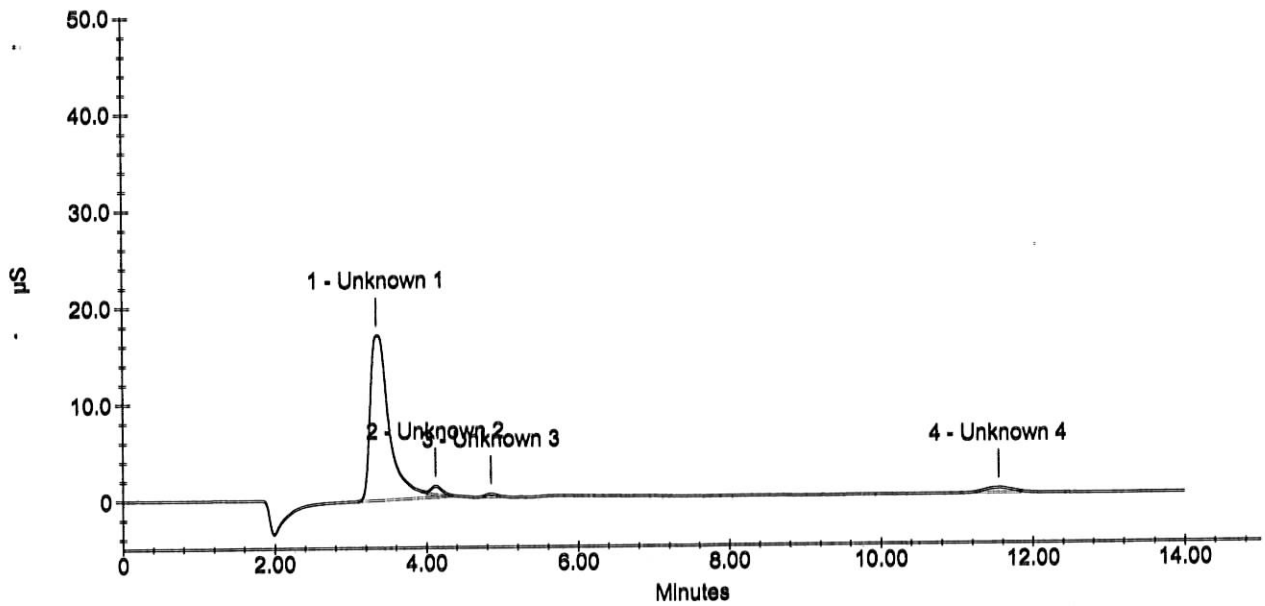
Sample Name : AY02598W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_084.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 09:05:48
System Operator : pd
Injection Number : 84
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	3.35	Unknown 1	0.0000	2996722	170153	
2	4.12	Unknown 2	0.0000	95835	8963	
3	4.85	Unknown 3	0.0000	30114	2981	
4	11.55	Unknown 4	0.0000	126922	5071	

AY02598W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101682

Sample Collection Date: No Date Specified

APPL ID: AY02599

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

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Sample Analysis Report

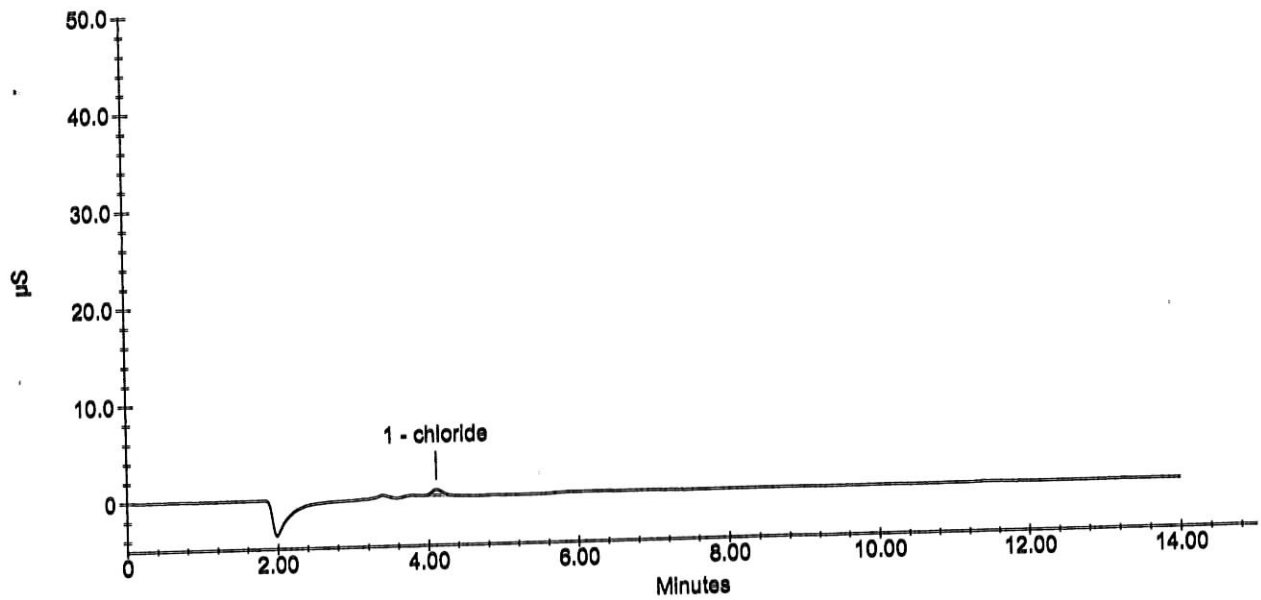
Sample Name : AY02599W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_085.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 09:22:30
System Operator : pd
Injection Number : 85
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.11	chloride	5.2190	54823	5842	

AY02599W01 1/5



Sample Analysis Report

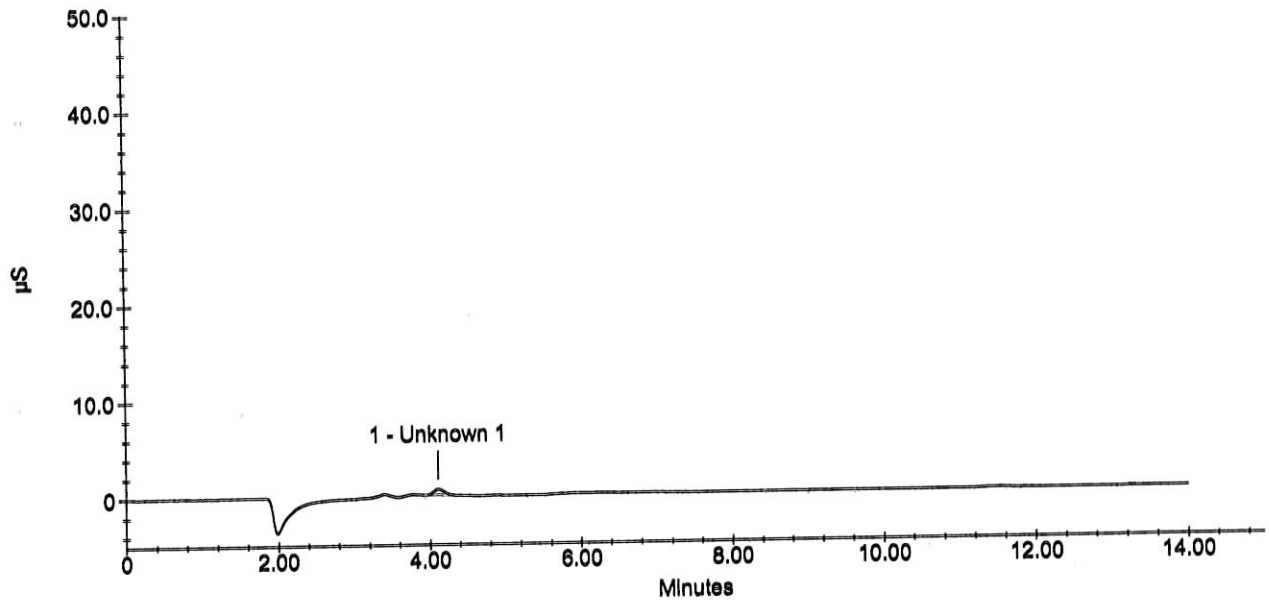
Sample Name : AY02599W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_085.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 09:22:30
System Operator : pd
Injection Number : 85
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.11	Unknown 1	0.0000	54823	5842	

AY02599W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101416

Sample Collection Date: No Date Specified

APPL ID: AY02600

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

Form 1 - APPL Standard Wetlab - No MC
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Sample Analysis Report

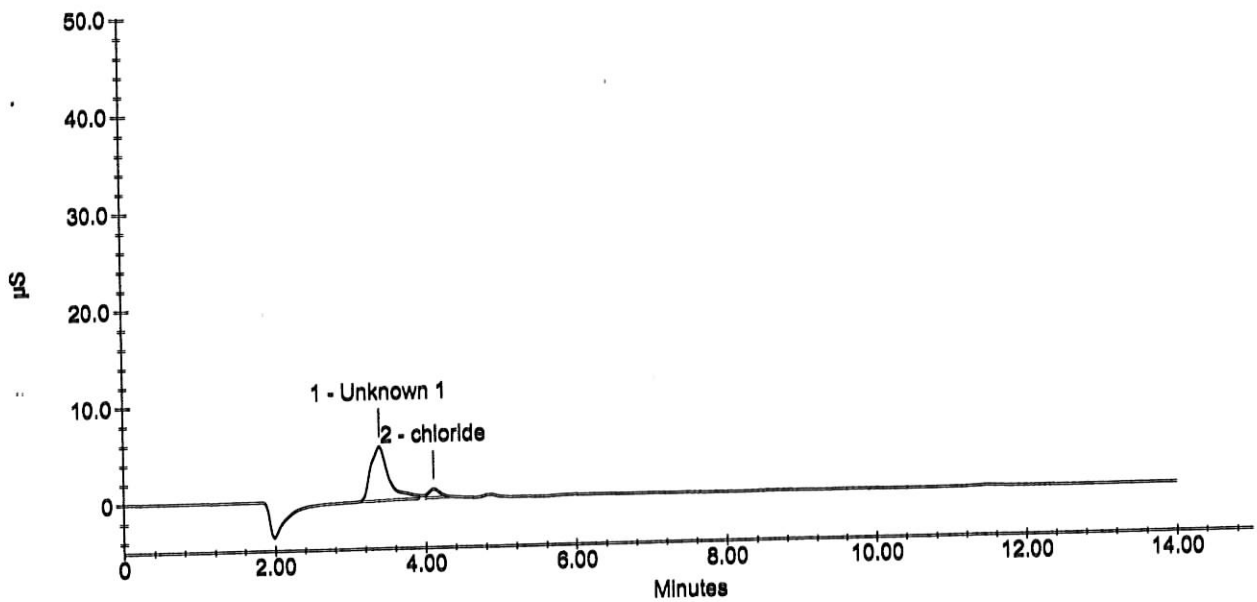
Sample Name : AY02600W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_086.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 09:39:08
System Operator : pd
Injection Number : 86
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	920645	55138	
2	4.11	chloride	5.4882	96297	8846	

AY02600W01 1/5



Sample Analysis Report

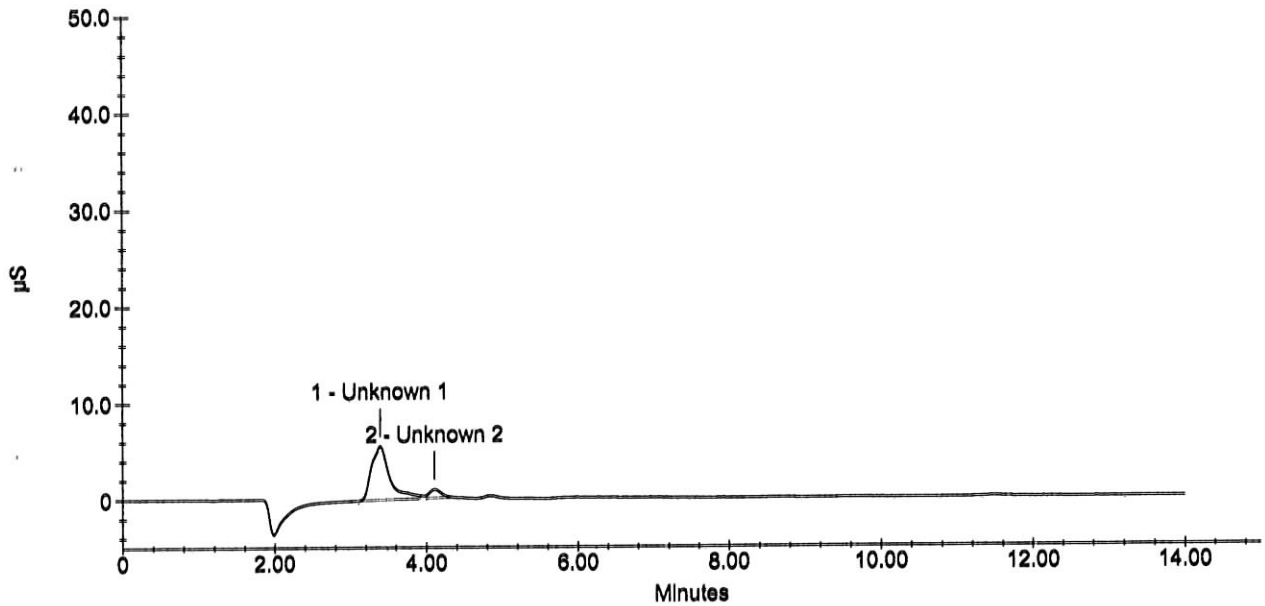
Sample Name : AY02600W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_086.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 09:39:08
System Operator : pd
Injection Number : 86
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	920645	55138	
2	4.11	Unknown 2	0.0000	96297	8846	

AY02600W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101417

Sample Collection Date: No Date Specified

APPL ID: AY02601

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

Form 1 - APPL Standard Wetlab - No MC
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Sample Analysis Report

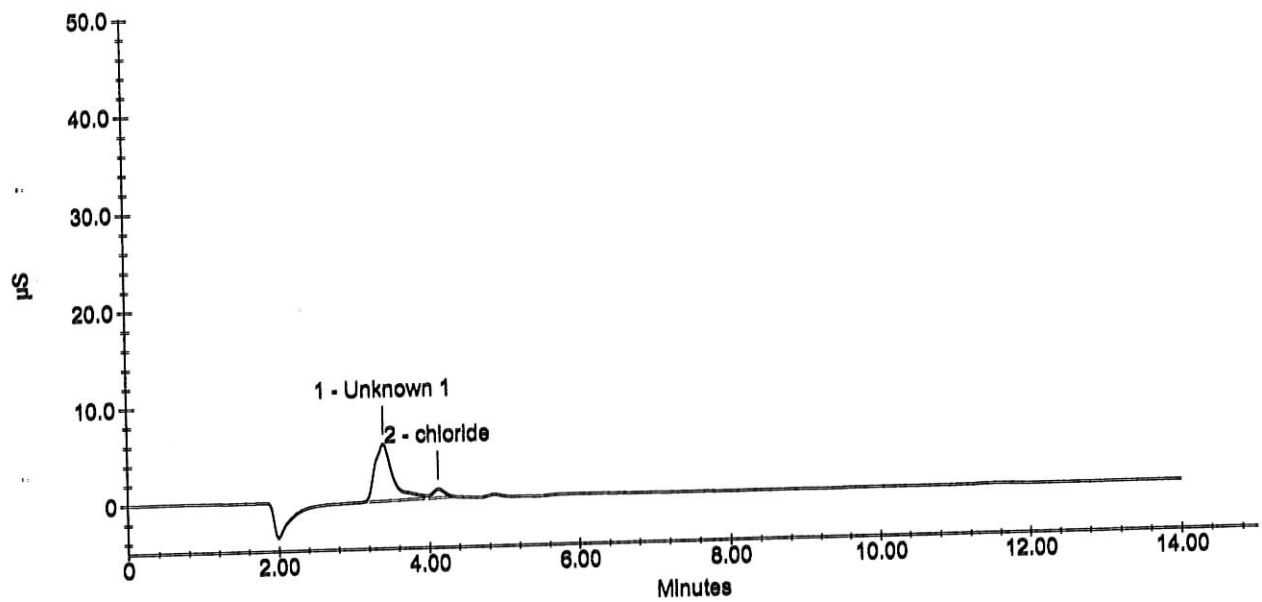
Sample Name : AY02601W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_090.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 10:44:56
System Operator : pd
Injection Number : 90
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	974753	58530	
2	4.12	chloride	5.5082	99369	8961	

AY02601W01 1/5



Sample Analysis Report

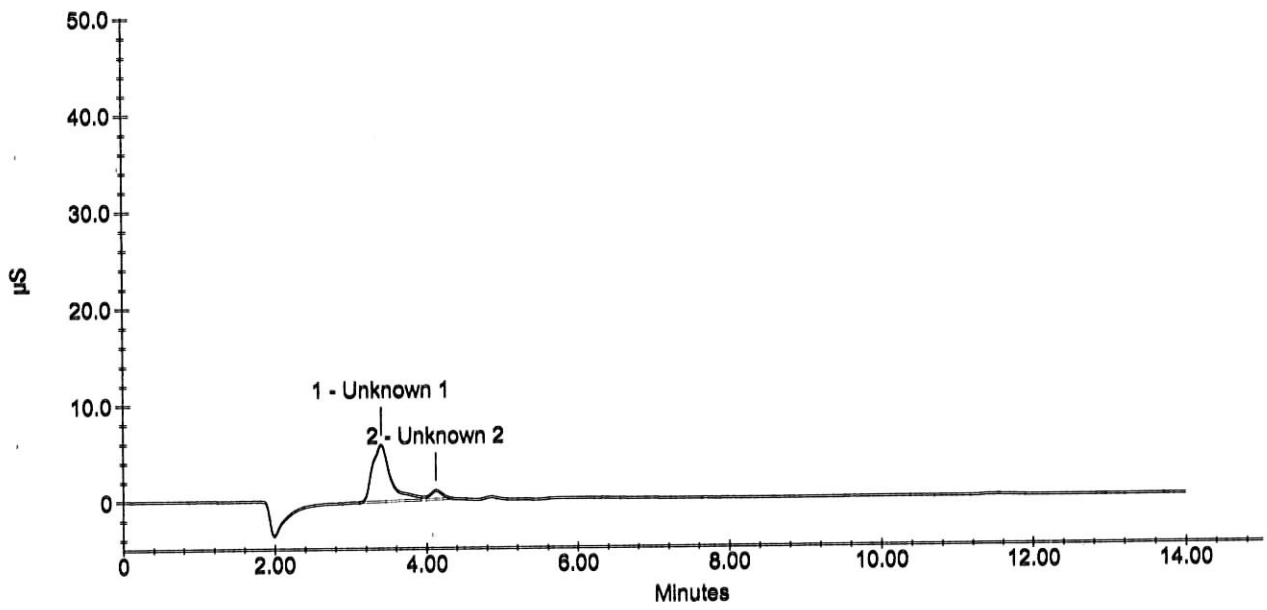
Sample Name : AY02601W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_090.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 10:44:56
System Operator : pd
Injection Number : 90
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	974753	58530	
2	4.12	Unknown 2	0.0000	99369	8961	

AY02601W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101418

Sample Collection Date: No Date Specified

APPL ID: AY02602

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

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Sample Analysis Report

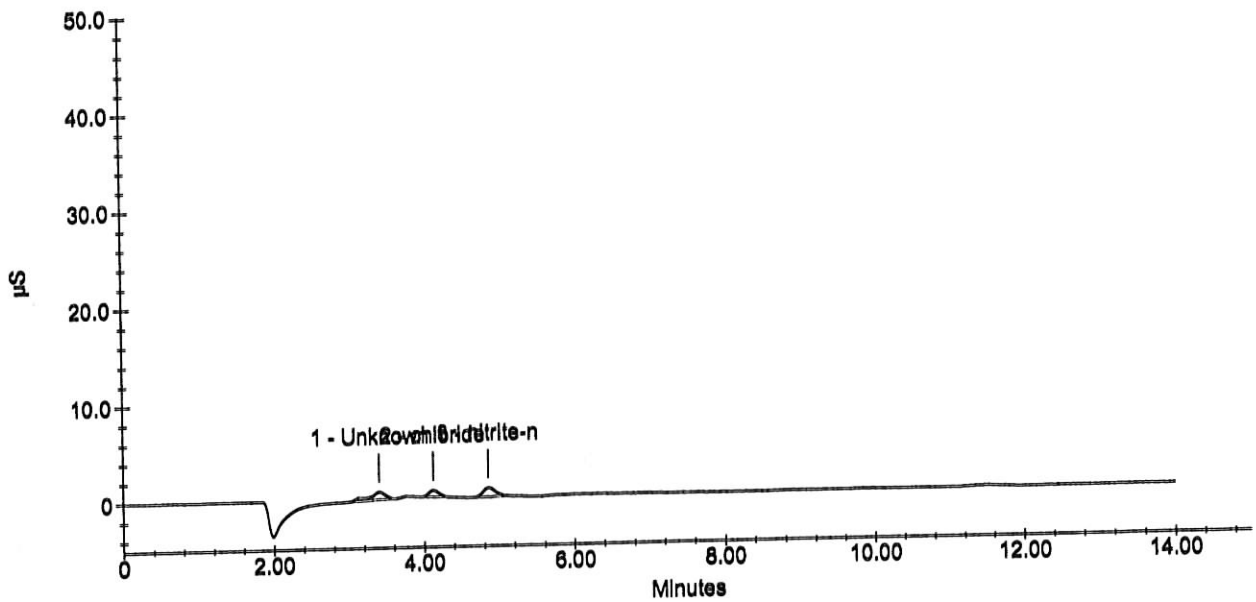
Sample Name : AY02602W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_091.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 11:01:32
System Operator : pd
Injection Number : 91
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	116849	7778	
2	4.12	chloride	5.2654	61976	6661	
3	4.85	nitrite-n	0.6048	105116	9215	

AY02602W01 1/5



Sample Analysis Report

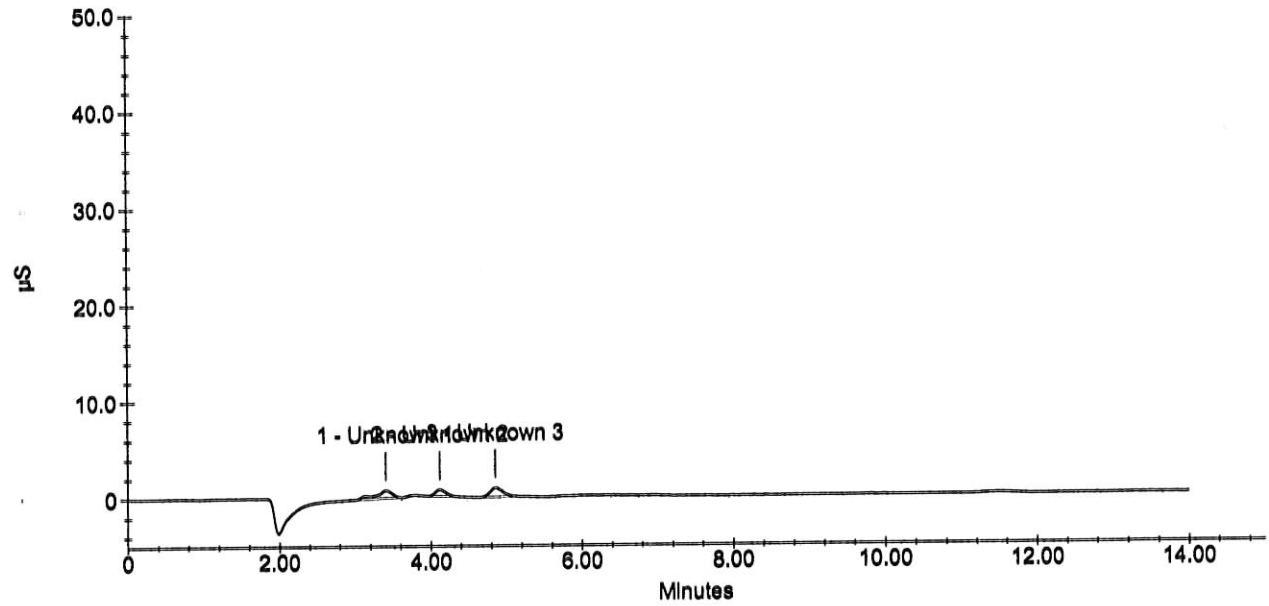
Sample Name : AY02602W01 1/5
Data File Name : I:\Dionex\D1Anions\data\090903A\090903A_091.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 11:01:32
System Operator : pd
Injection Number : 91
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	116849	7778	
2	4.12	Unknown 2	0.0000	61976	6661	
3	4.85	Unknown 3	0.0000	105116	9215	

AY02602W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101419
Sample Collection Date: No Date Specified

APPL ID: AY02603
ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

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Sample Analysis Report

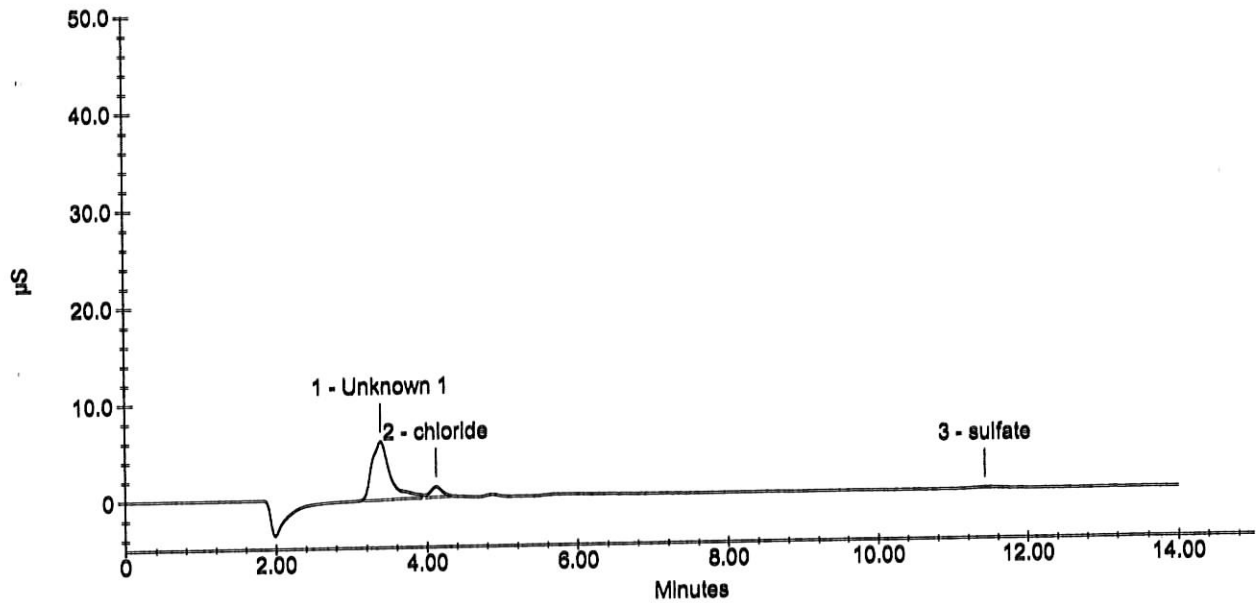
Sample Name : AY02603W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_092.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 11:18:12
System Operator : pd
Injection Number : 92
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	1013281	59897	
2	4.12	chloride	5.6275	117742	10676	
3	11.43	sulfate	2.2911	16177	907	

AY02603W01 1/5



Sample Analysis Report

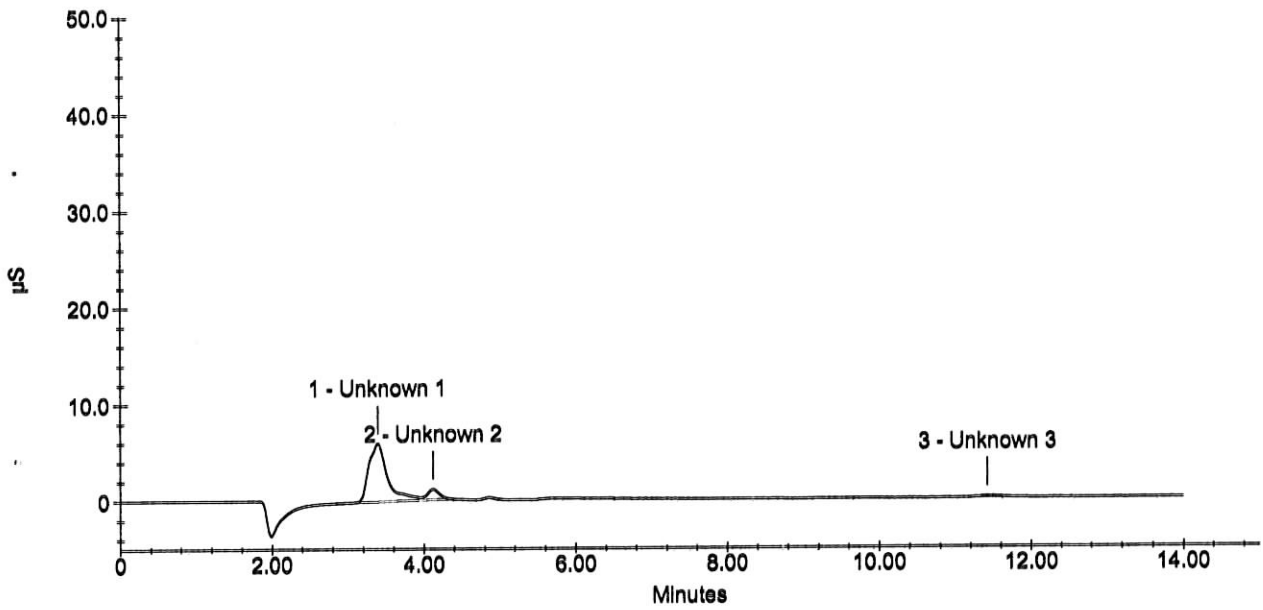
Sample Name : AY02603W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_092.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 11:18:12
System Operator : pd
Injection Number : 92
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	1013281	59897	
2	4.12	Unknown 2	0.0000	117742	10676	
3	11.43	Unknown 3	0.0000	16177	907	

AY02603W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101420
Sample Collection Date: No Date Specified

APPL ID: AY02604
ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

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Sample Analysis Report

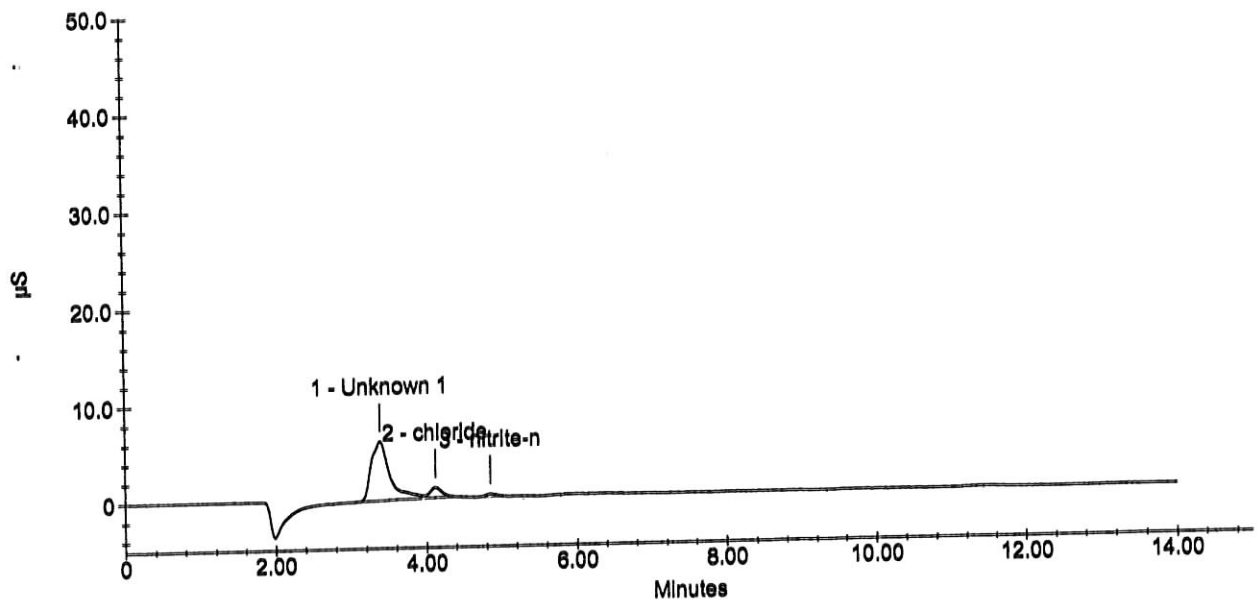
Sample Name : AY02604W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_093.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 11:34:51
System Operator : pd
Injection Number : 93
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	1035363	60697	
2	4.12	chloride	5.6161	115985	10410	
3	4.85	nitrite-n	0.2914	22240	2357	

AY02604W01 1/5



Sample Analysis Report

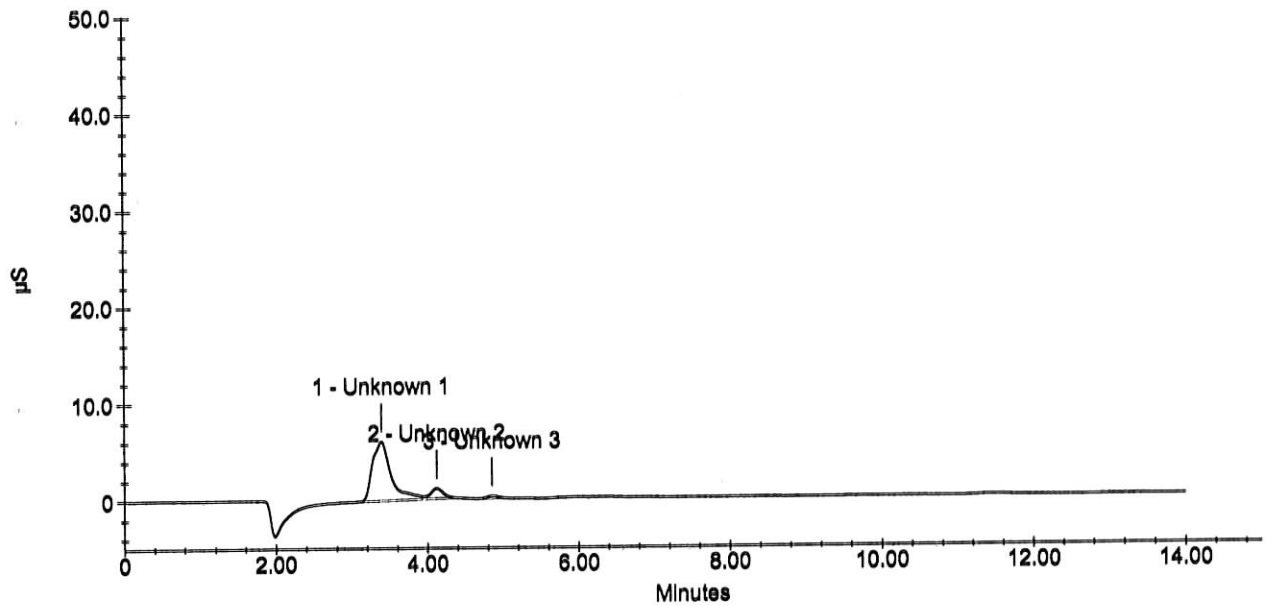
Sample Name : AY02604W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_093.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 11:34:51
System Operator : pd
Injection Number : 93
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	1035363	60697	
2	4.12	Unknown 2	0.0000	115985	10410	
3	4.85	Unknown 3	0.0000	22240	2357	

AY02604W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101421
Sample Collection Date: No Date Specified

APPL ID: AY02605
ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

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Sample Analysis Report

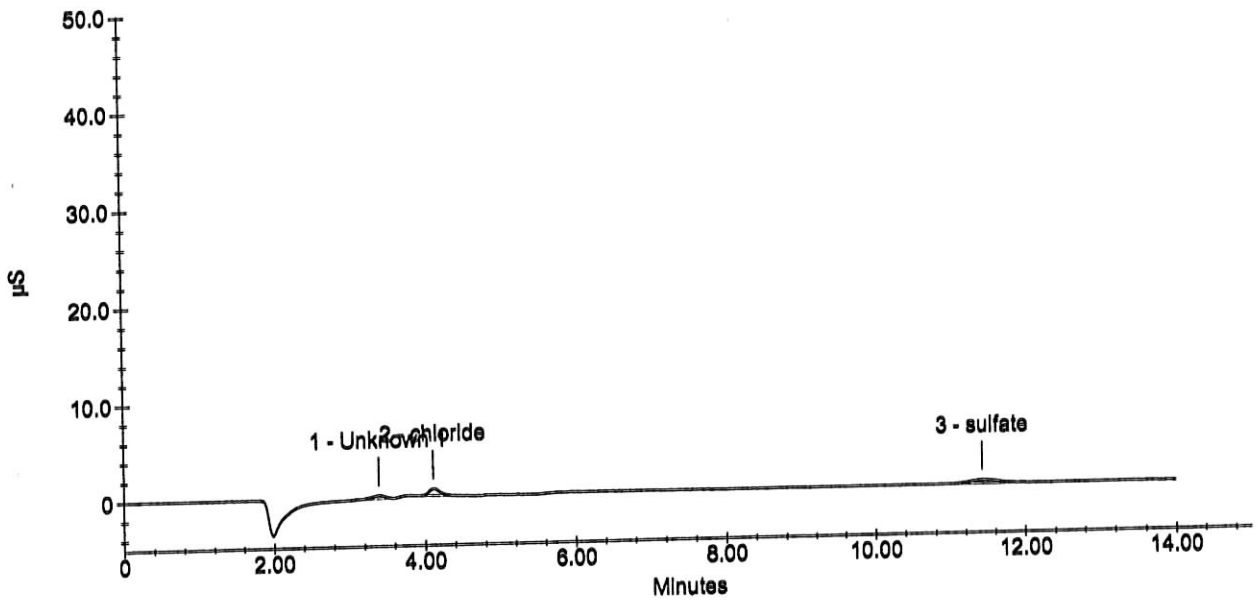
Sample Name : AY02605W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_094.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 11:51:29
System Operator : pd
Injection Number : 94
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	31794	3002	
2	4.11	chloride	5.2900	65766	6844	
3	11.43	sulfate	3.0270	87158	3405	

AY02605W01 1/5



Sample Analysis Report

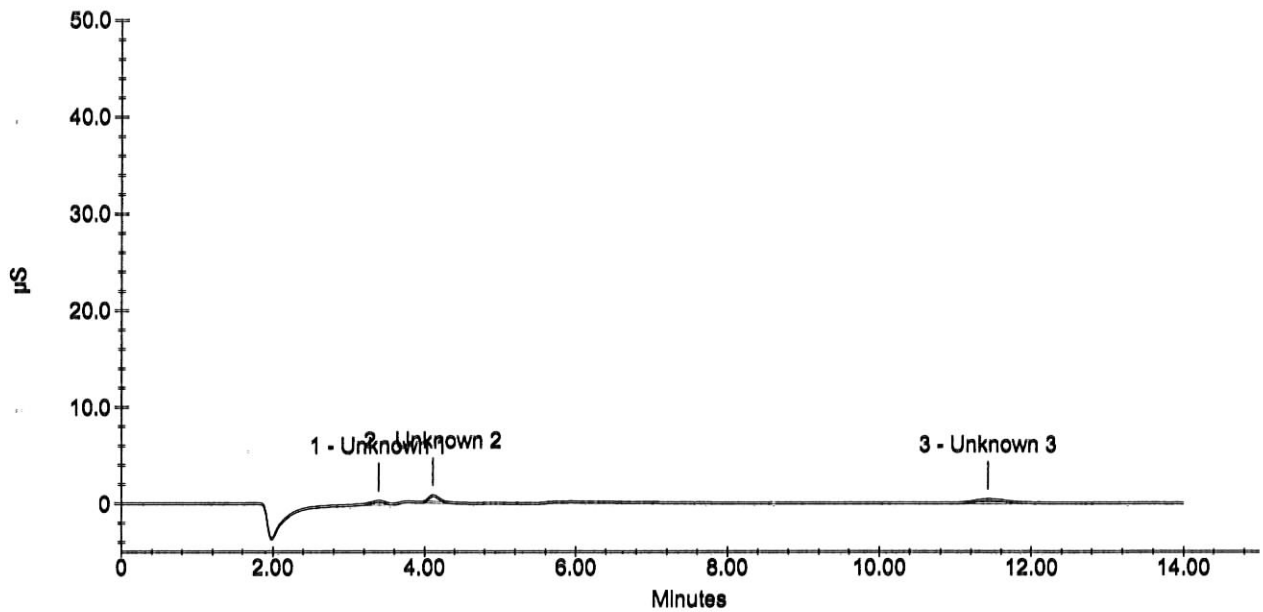
Sample Name : AY02605W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_094.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 11:51:29
System Operator : pd
Injection Number : 94
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	31794	3002	
2	4.11	Unknown 2	0.0000	65766	6844	
3	11.43	Unknown 3	0.0000	87158	3405	

AY02605W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101422
Sample Collection Date: No Date Specified

APPL ID: AY02606
ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

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Sample Analysis Report

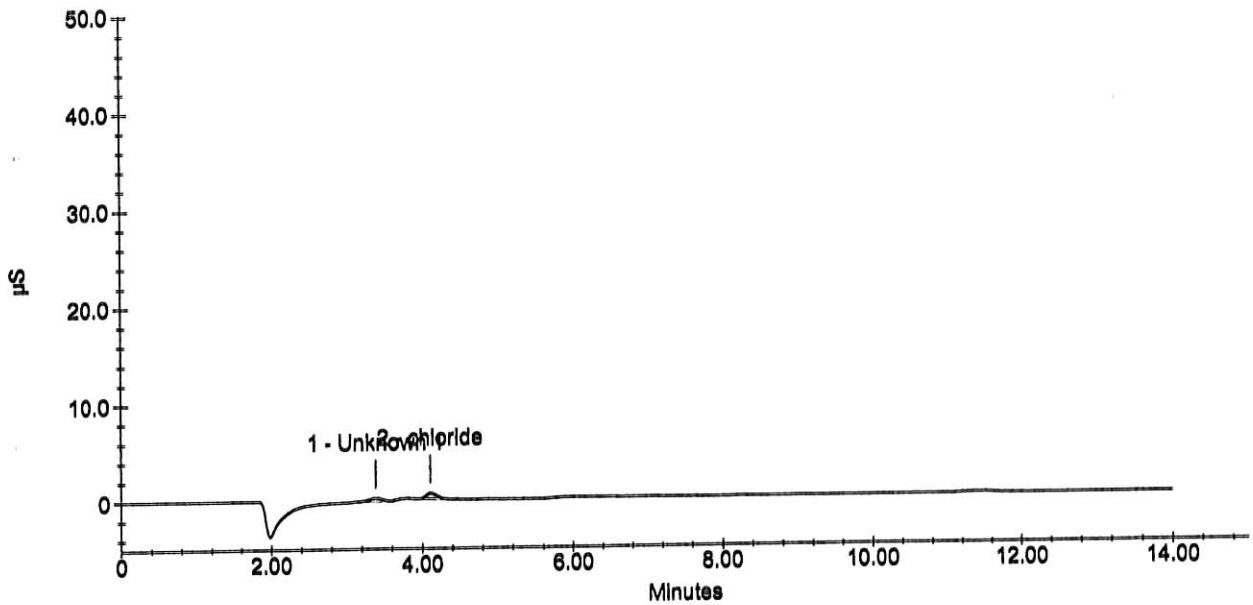
Sample Name : AY02606W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_095.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 12:08:07
System Operator : pd
Injection Number : 95
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	27421	2870	
2	4.11	chloride	5.2173	54561	5720	

AY02606W01 1/5



Sample Analysis Report

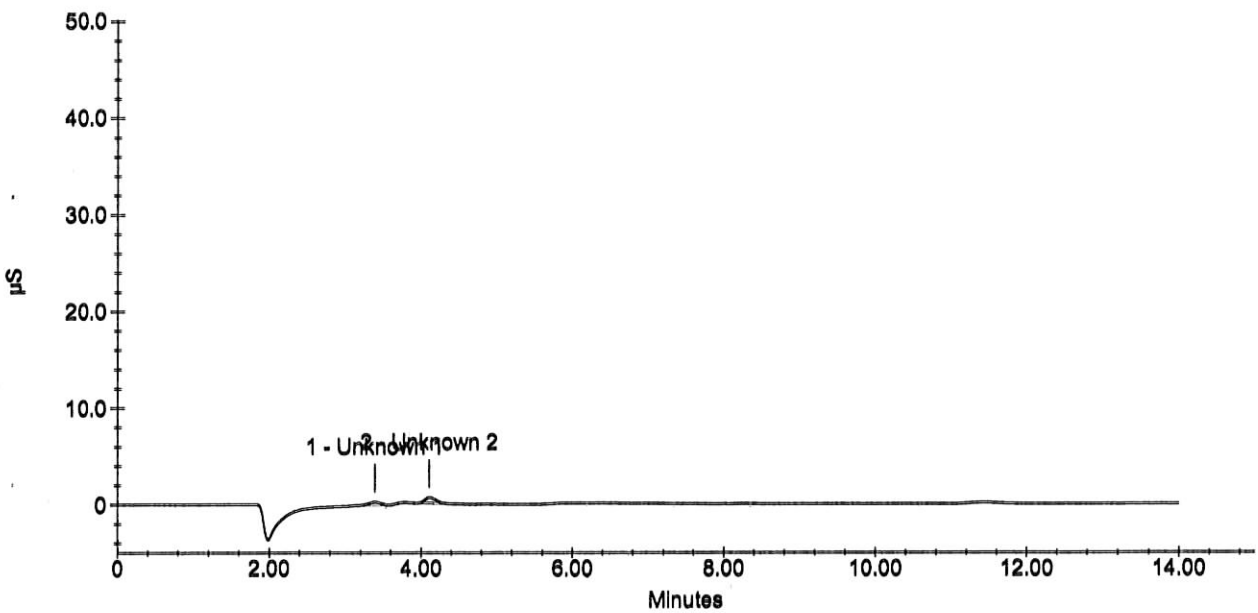
Sample Name : AY02606W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_095.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 12:08:07
System Operator : pd
Injection Number : 95
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	27421	2870	
2	4.11	Unknown 2	0.0000	54561	5720	

AY02606W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101761
Sample Collection Date: No Date Specified

APPL ID: AY02607
ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

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Sample Analysis Report

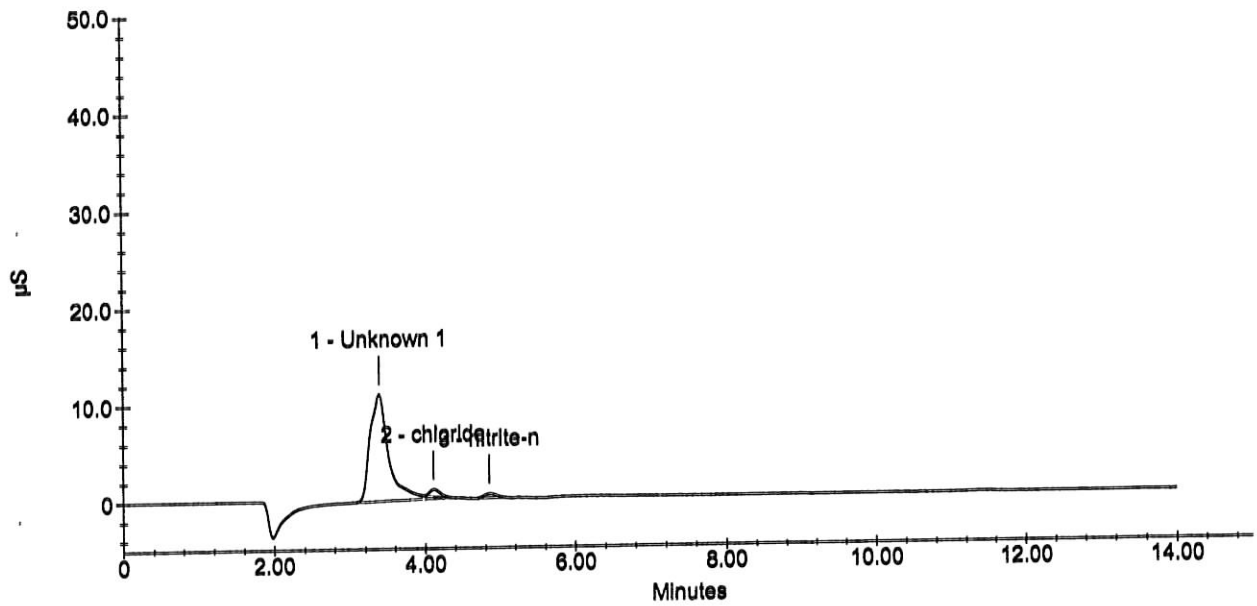
Sample Name : AY02607W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_096.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 12:24:44
System Operator : pd
Injection Number : 96
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	1879015	109901	
2	4.11	chloride	5.3844	80308	7756	
3	4.85	nitrite-n	0.3868	47477	4450	

AY02607W01 1/5



Sample Analysis Report

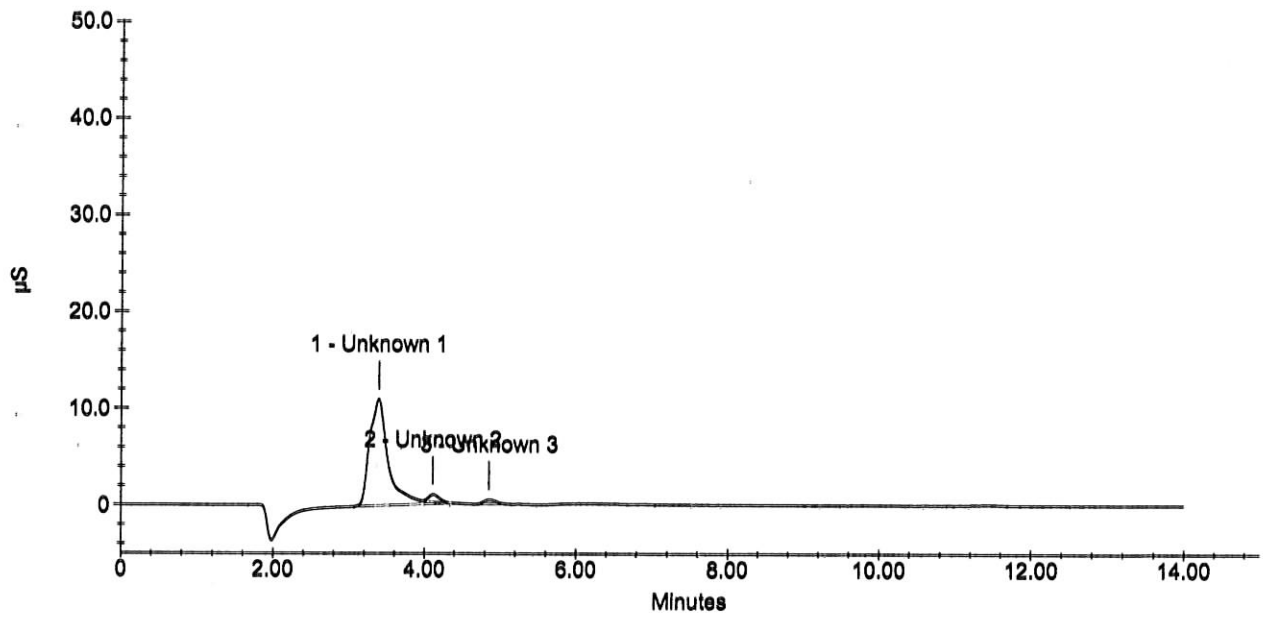
Sample Name : AY02607W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_096.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 12:24:44
System Operator : pd
Injection Number : 96
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	1879015	109901	
2	4.11	Unknown 2	0.0000	80308	7756	
3	4.85	Unknown 3	0.0000	47477	4450	

AY02607W01 1/5



APPL, Inc.

Current Date : 9/8/09
Current Time : 12:34:56

Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101762

Sample Collection Date: No Date Specified

APPL ID: AY02608

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

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Printed: 09/16/09 9:49:59 AM

Sample Analysis Report

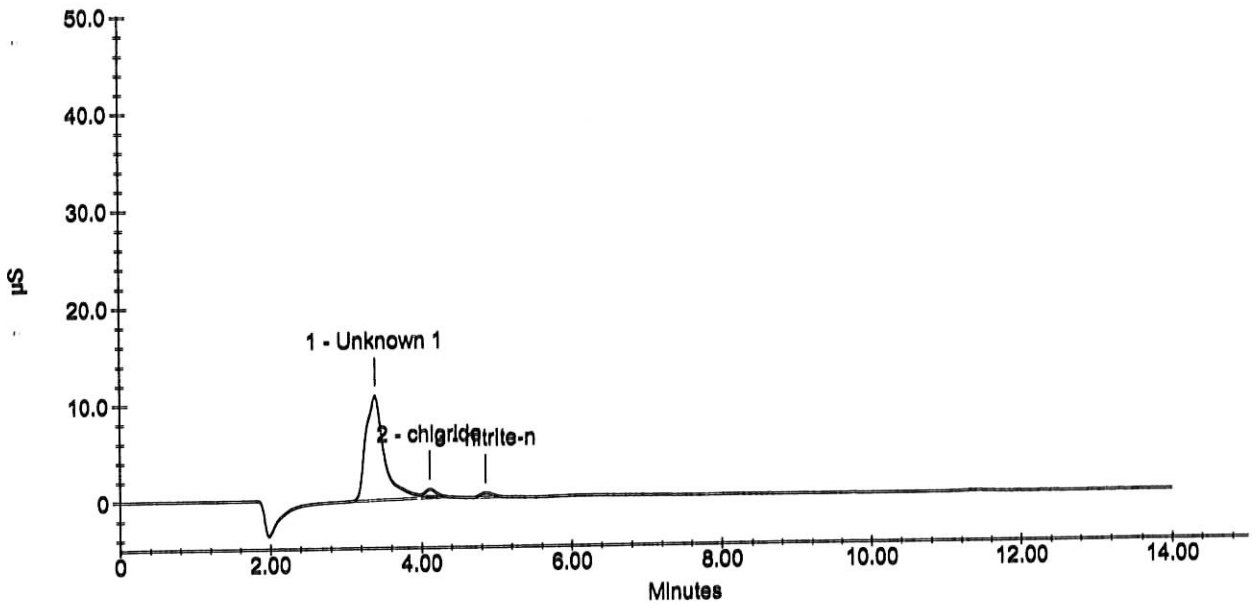
Sample Name : AY02608W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_097.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 12:41:22
System Operator : pd
Injection Number : 97
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	1833617	107321	
2	4.11	chloride	5.3476	74638	7319	
3	4.85	nitrite-n	0.3929	49096	4452	

AY02608W01 1/5



Sample Analysis Report

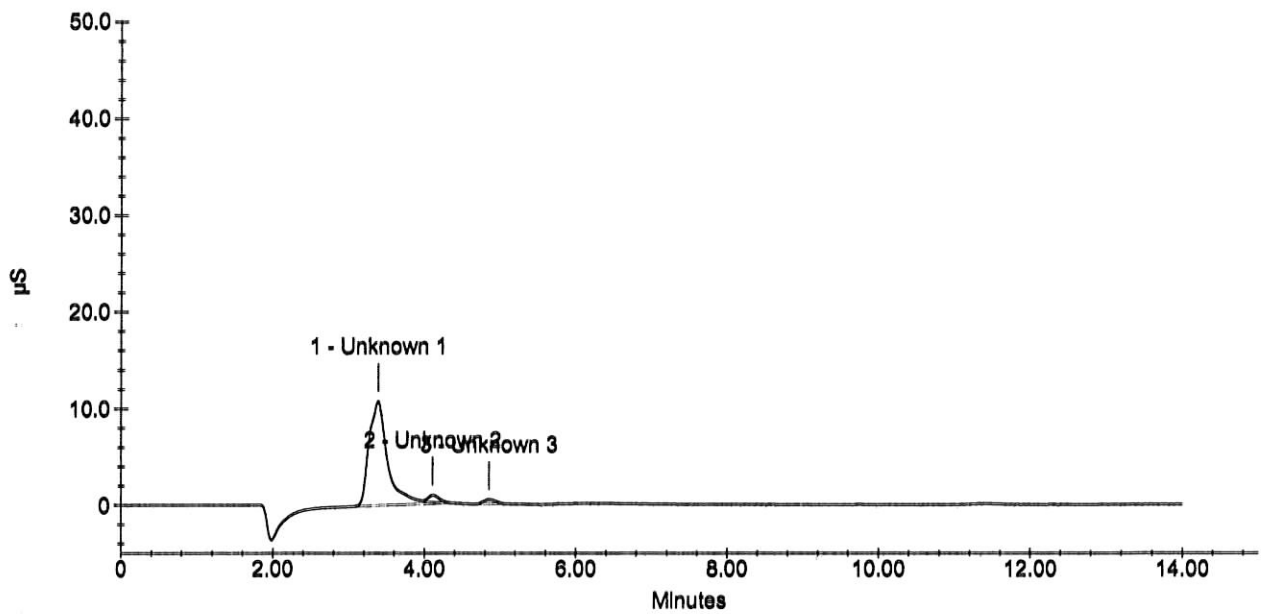
Sample Name : AY02608W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_097.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 12:41:22
System Operator : pd
Injection Number : 97
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	1833617	107321	
2	4.11	Unknown 2	0.0000	74638	7319	
3	4.85	Unknown 3	0.0000	49096	4452	

AY02608W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101763

Sample Collection Date: No Date Specified

APPL ID: AY02609

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

Form 1 - APPL Standard Wetlab - No MC
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Sample Analysis Report

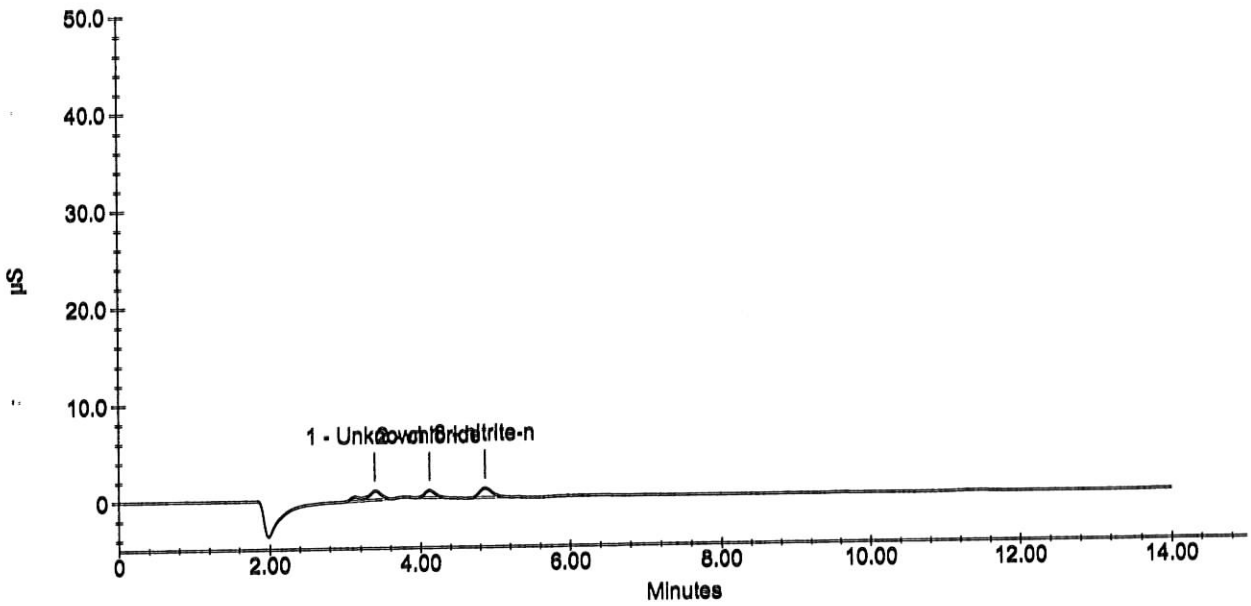
Sample Name : AY02609W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_098.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 12:58:00
System Operator : pd
Injection Number : 98
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	139518	9029	
2	4.12	chloride	5.3205	70465	7340	
3	4.87	nitrite-n	0.6280	111257	9639	

AY02609W01 1/5



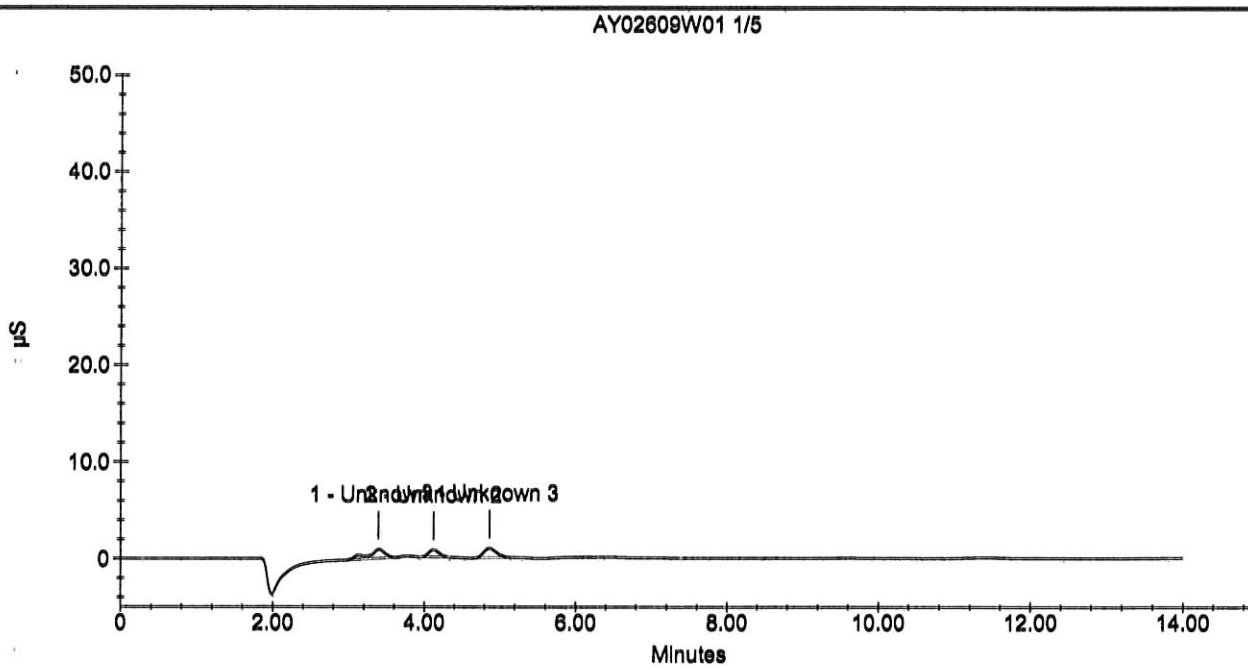
Sample Analysis Report

Sample Name : AY02609W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_098.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 12:58:00
System Operator : pd
Injection Number : 98
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	139518	9029	
2	4.12	Unknown 2	0.0000	70465	7340	
3	4.87	Unknown 3	0.0000	111257	9639	



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101764

Sample Collection Date: No Date Specified

APPL ID: AY02610

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

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Sample Analysis Report

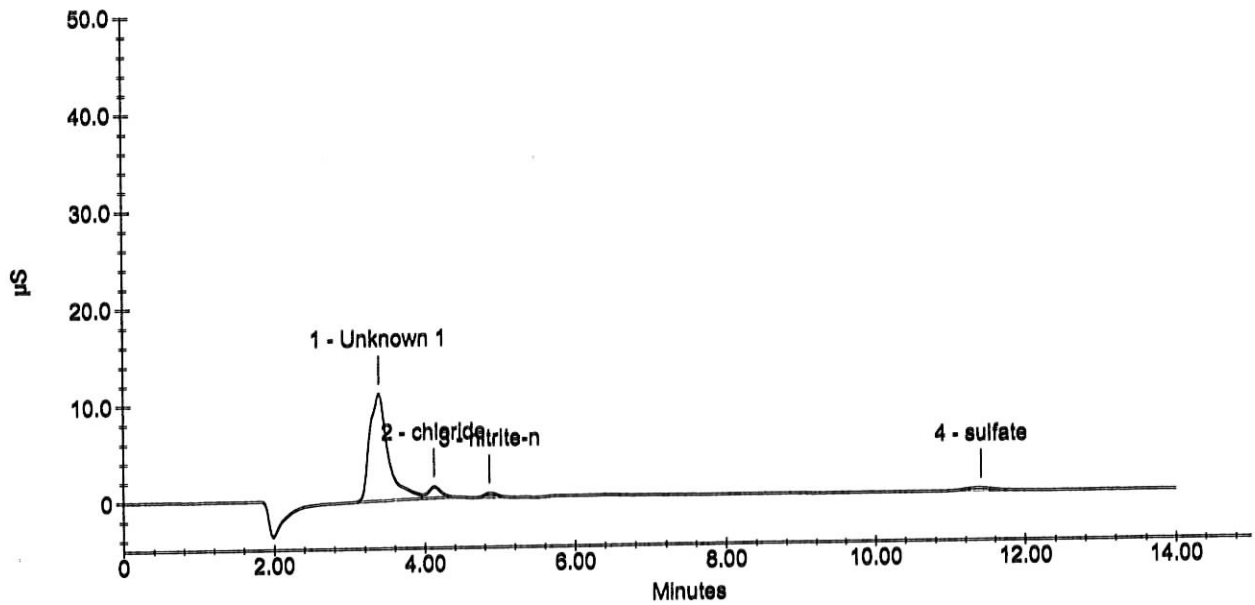
Sample Name : AY02610W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_099.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 13:14:39
System Operator : pd
Injection Number : 99
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	1895748	110160	
2	4.12	chloride	5.7451	135859	11428	
3	4.87	nitrite-n	0.3905	48459	4305	
4	11.41	sulfate	2.6737	53077	2345	

AY02610W01 1/5



Sample Analysis Report

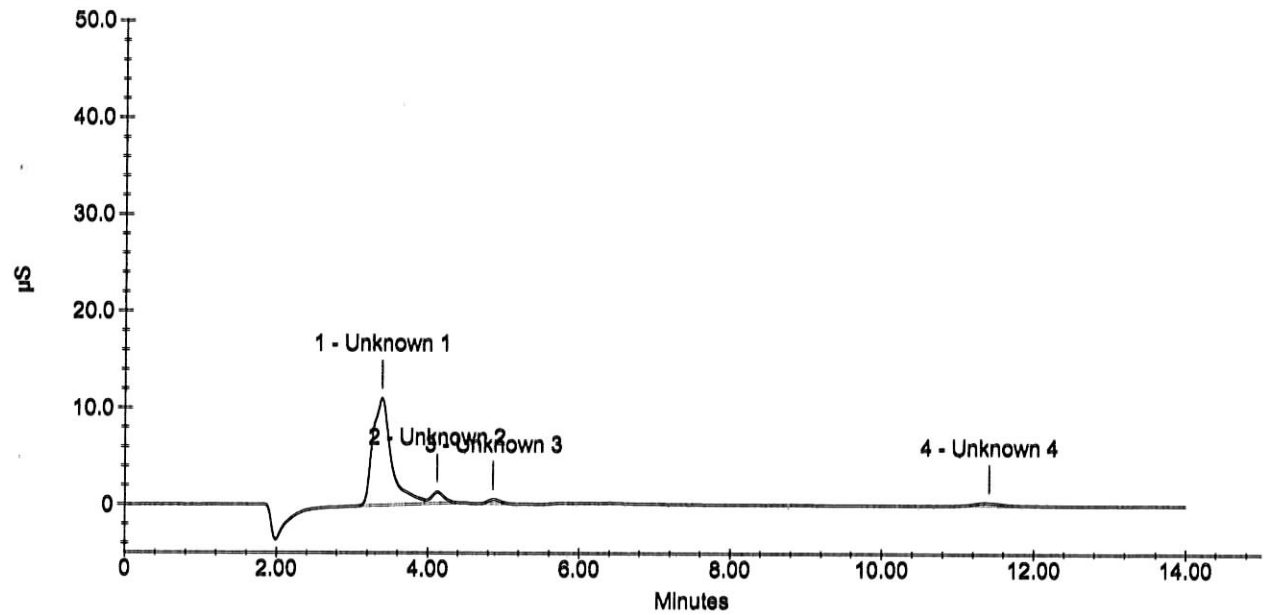
Sample Name : AY02610W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_099.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 13:14:39
System Operator : pd
Injection Number : 99
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	1895748	110160	
2	4.12	Unknown 2	0.0000	135859	11428	
3	4.87	Unknown 3	0.0000	48459	4305	
4	11.41	Unknown 4	0.0000	53077	2345	

AY02610W01 1/5



APPL, Inc.

Current Date : 9/8/09
Current Time : 12:35:21

Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101765
Sample Collection Date: No Date Specified

APPL ID: AY02611
ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

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Sample Analysis Report

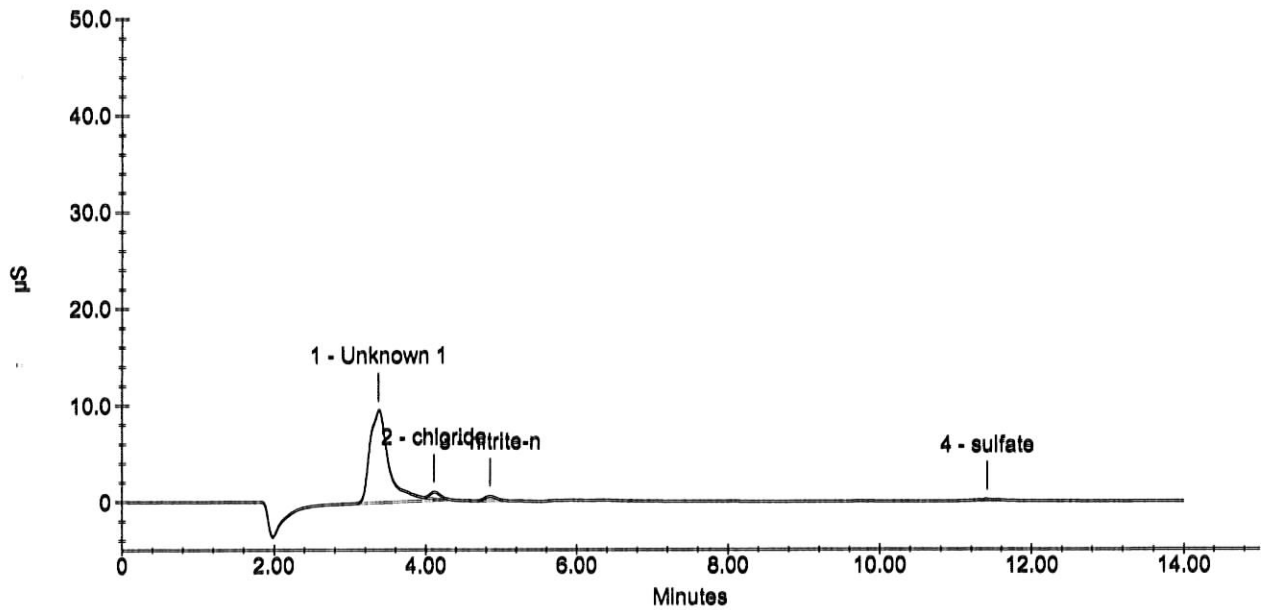
Sample Name : AY02611W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_107.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-01-09Low.met
Date Time Collected : 9/4/09 15:34:46
System Operator : pd
Injection Number : 107
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	3.37	Unknown 1	0.0000	1663904	94840	
2	4.11	chloride	5.9253	70984	7075	
3	4.85	nitrite-n	0.4935	45239	4258	
4	11.41	sulfate	3.2163	20560	1074	

AY02611W01 1/5



Sample Analysis Report

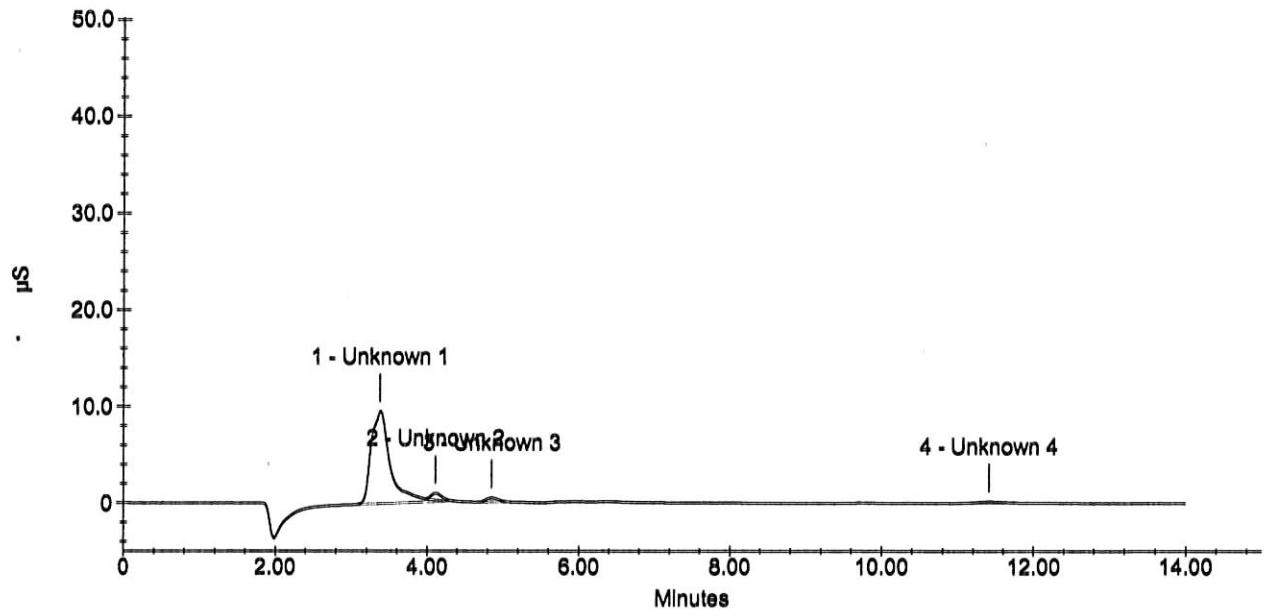
Sample Name : AY02611W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_107.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 15:34:46
System Operator : pd
Injection Number : 107
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	3.37	Unknown 1	0.0000	1663904	94840	
2	4.11	Unknown 2	0.0000	70984	7075	
3	4.85	Unknown 3	0.0000	45239	4258	
4	11.41	Unknown 4	0.0000	20560	1074	

AY02611W01 1/5



APPL, Inc.

Current Date : 9/8/09
Current Time : 12:39:03

Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101760
Sample Collection Date: No Date Specified

APPL ID: AY02612
ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

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Sample Analysis Report

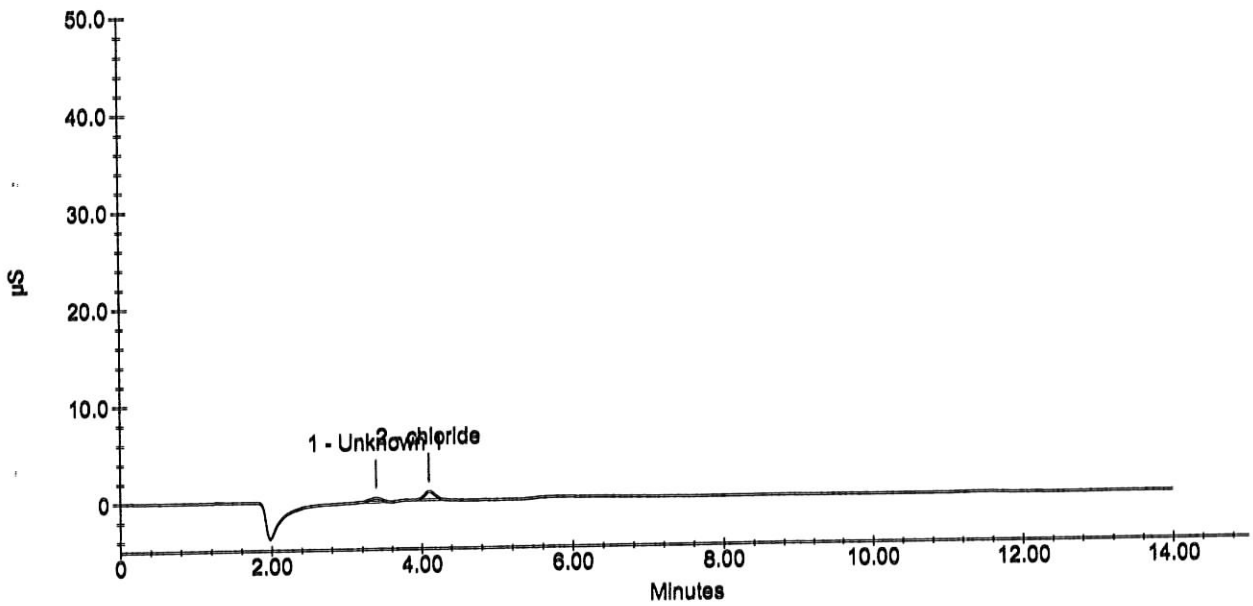
Sample Name : AY02612W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_117.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 20:28:29
System Operator : pd
Injection Number : 117
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	42103	3933	
2	4.09	chloride	5.3813	79830	8225	

AY02612W01 1/5



Sample Analysis Report

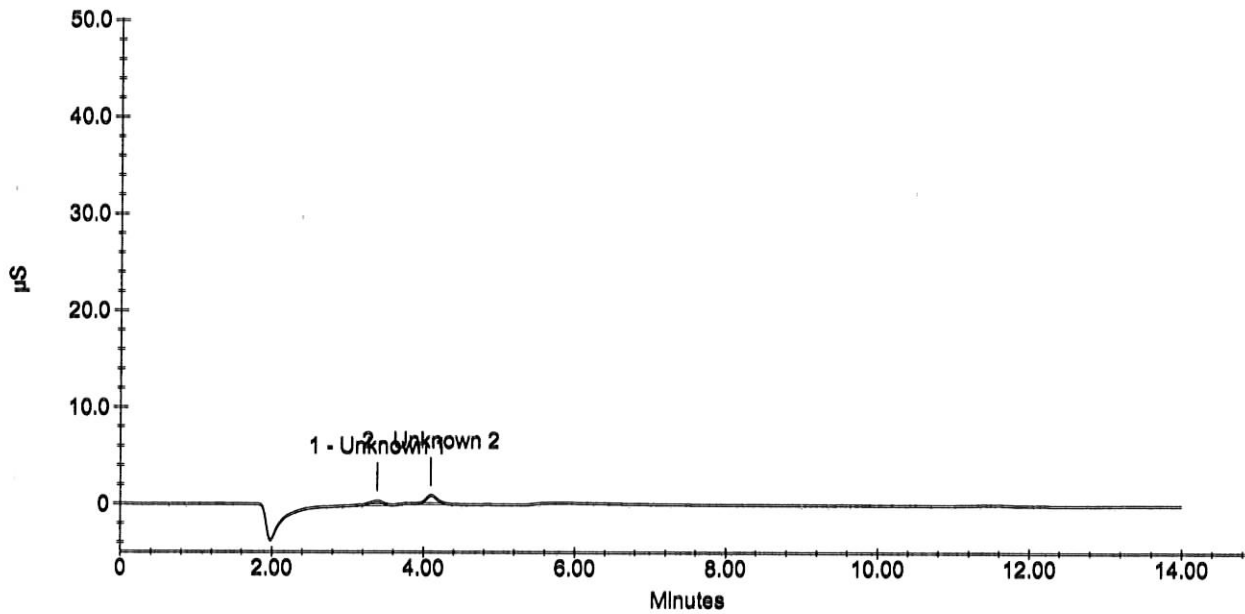
Sample Name : AY02612W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_117.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 20:28:29
System Operator : pd
Injection Number : 117
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	42103	3933	
2	4.09	Unknown 2	0.0000	79830	8225	

AY02612W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101487
Sample Collection Date: No Date Specified

APPL ID: AY02613
ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

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Sample Analysis Report

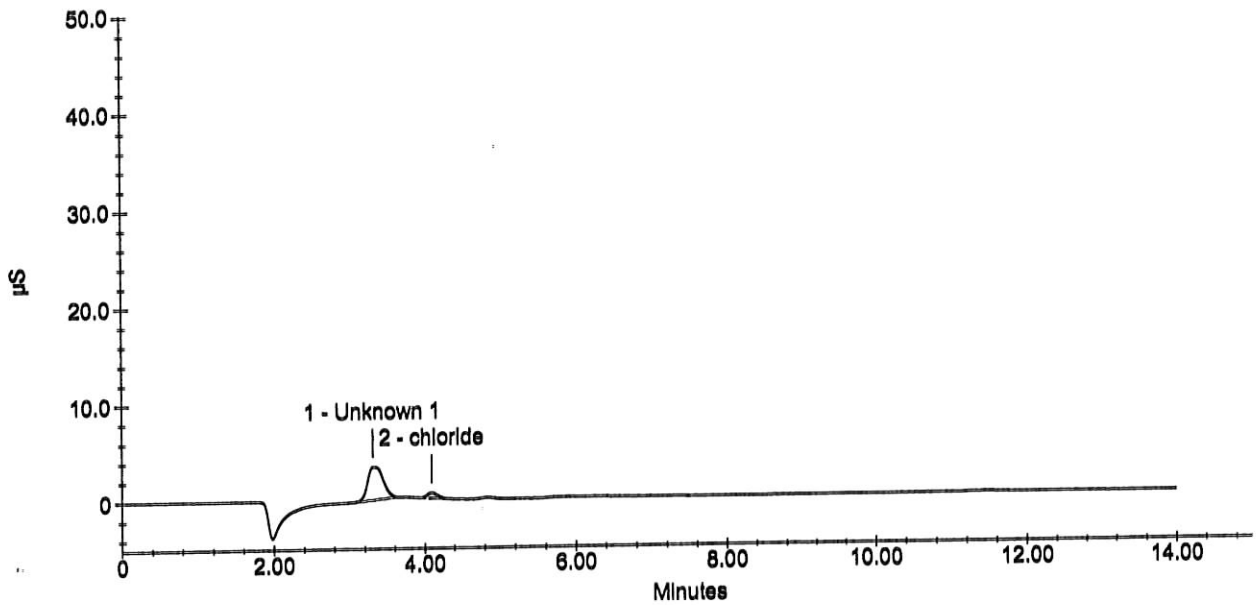
Sample Name : AY02613W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_118.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 20:45:03
System Operator : pd
Injection Number : 118
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	487226	33868	
2	4.09	chloride	5.1738	47871	5306	

AY02613W01 1/5



Sample Analysis Report

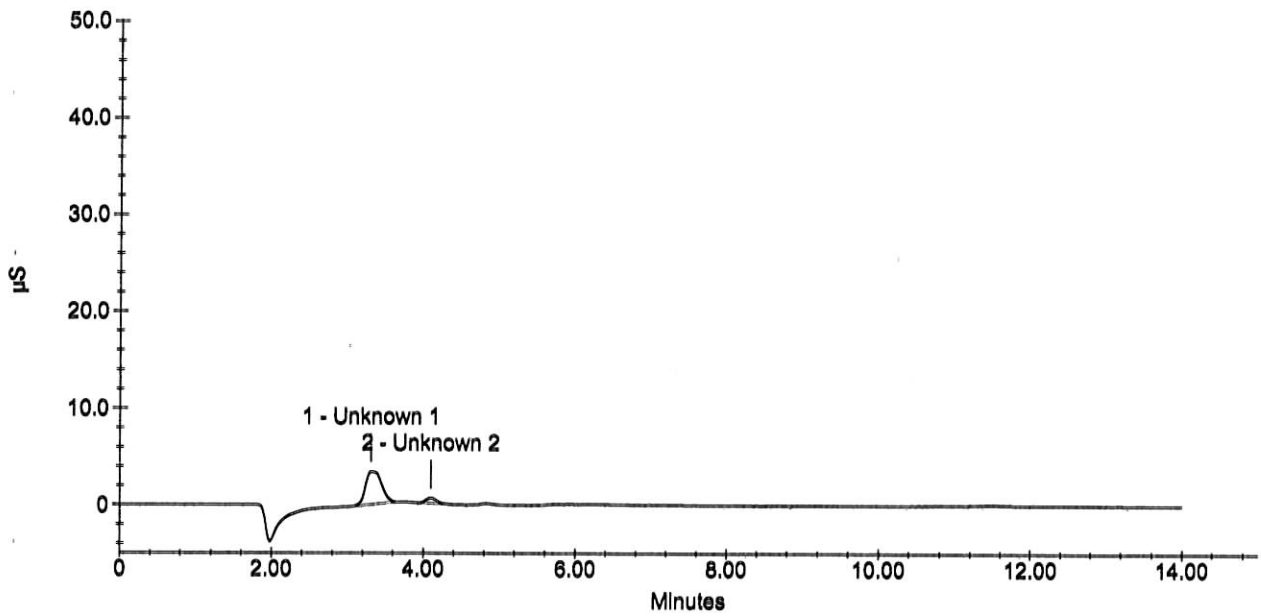
Sample Name : AY02613W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_118.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 20:45:03
System Operator : pd
Injection Number : 118
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	487226	33868	
2	4.09	Unknown 2	0.0000	47871	5306	

AY02613W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101488
Sample Collection Date: No Date Specified

APPL ID: AY02614
ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

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Sample Analysis Report

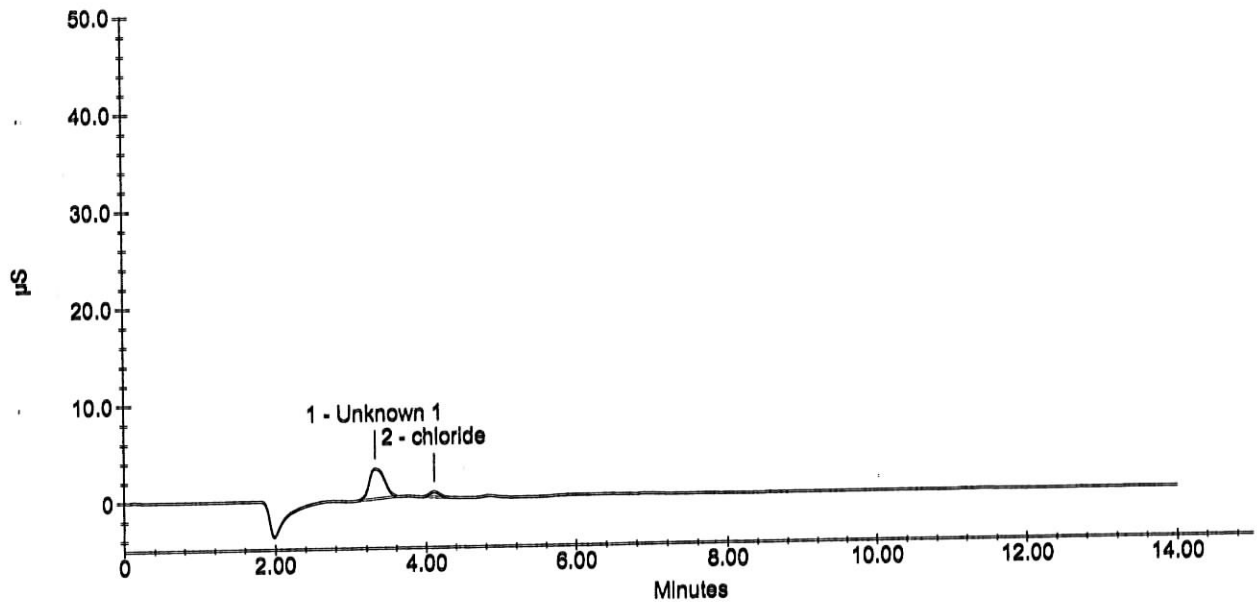
Sample Name : AY02614W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_110.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 18:32:28
System Operator : pd
Injection Number : 110
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	434982	30842	
2	4.11	chloride	5.1793	48714	5286	

AY02614W01 1/5



Sample Analysis Report

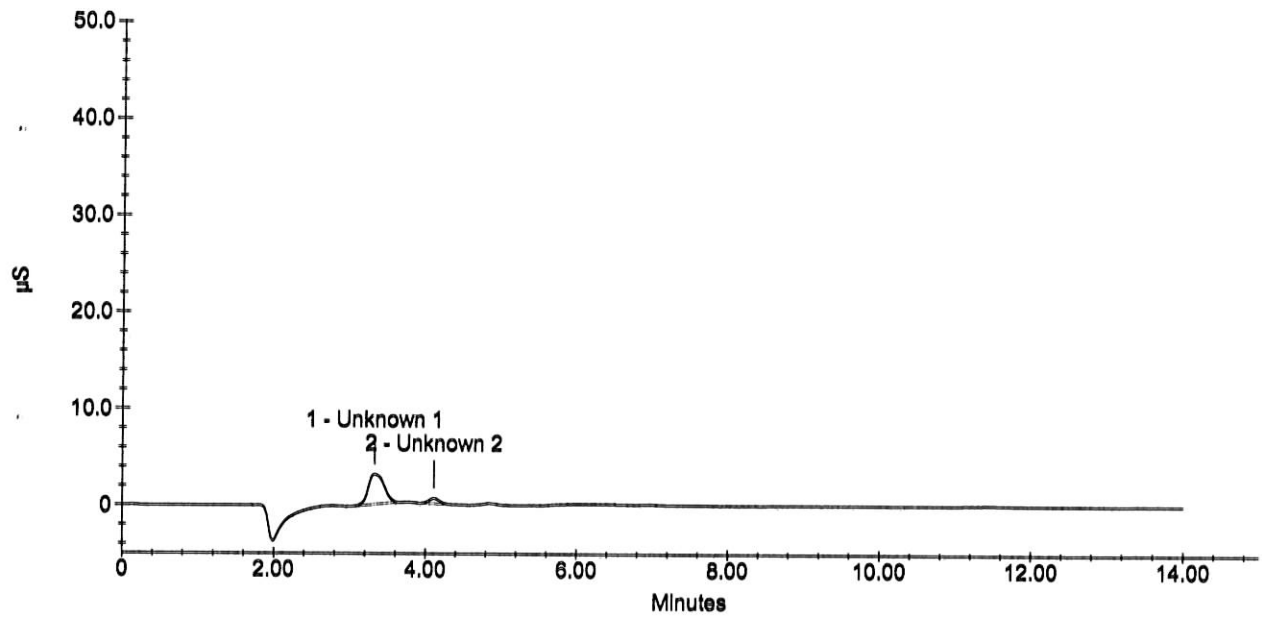
Sample Name : AY02614W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_110.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 18:32:28
System Operator : pd
Injection Number : 110
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	434982	30842	
2	4.11	Unknown 2	0.0000	48714	5286	

AY02614W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101489

Sample Collection Date: No Date Specified

APPL ID: AY02615

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

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Sample Analysis Report

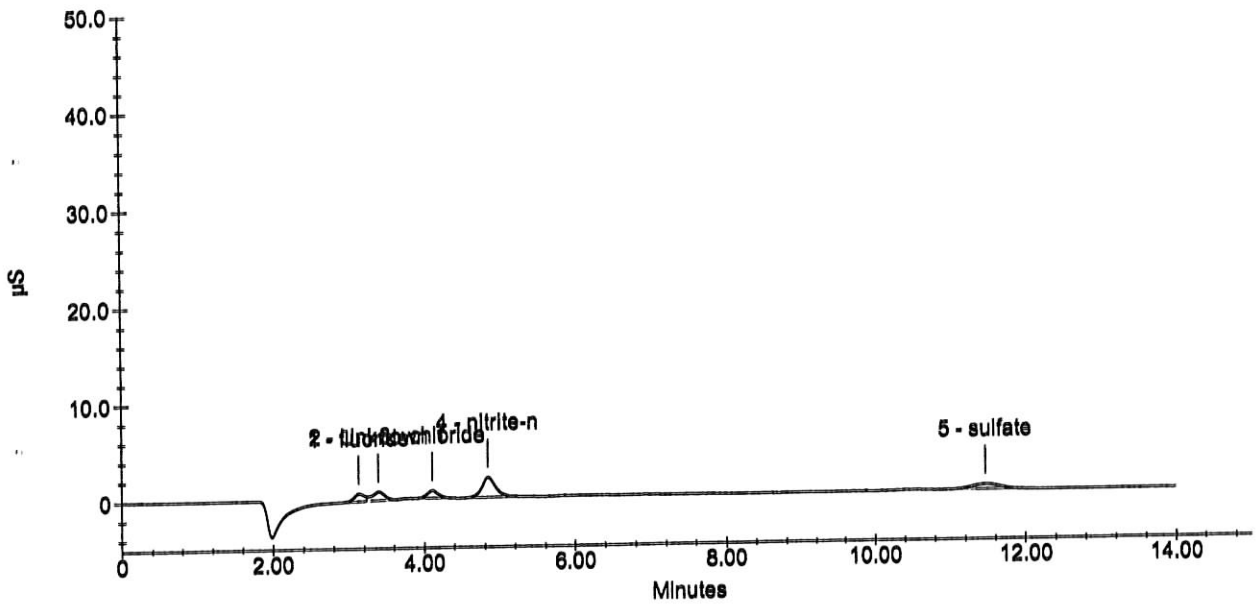
Sample Name : AY02615W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_111.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 18:49:03
System Operator : pd
Injection Number : 111
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	3.13	fluoride	0.6853	72065	7718	
2	3.39	Unknown 1	0.0000	90148	8609	
3	4.11	chloride	5.3182	70102	7406	
4	4.84	nitrite-n	1.1702	254620	20390	
5	11.47	sulfate	3.4016	123285	5001	

AY02615W01 1/5



Sample Analysis Report

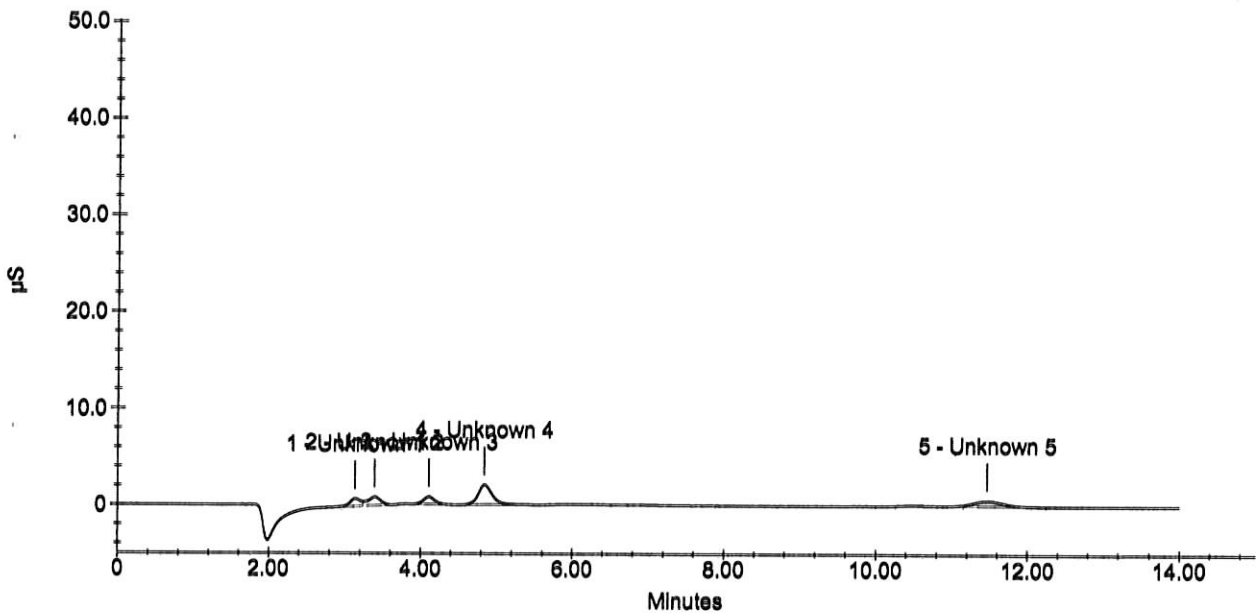
Sample Name : AY02615W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_111.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 18:49:03
System Operator : pd
Injection Number : 111
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	3.13	Unknown 1	0.0000	72065	7718	
2	3.39	Unknown 2	0.0000	90148	8609	
3	4.11	Unknown 3	0.0000	70102	7406	
4	4.84	Unknown 4	0.0000	254620	20390	
5	11.47	Unknown 5	0.0000	123285	5001	

AY02615W01 1/5



APPL, Inc.

Current Date : 9/8/09
Current Time : 12:36:46

Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101490
Sample Collection Date: No Date Specified

APPL ID: AY02616
ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

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Sample Analysis Report

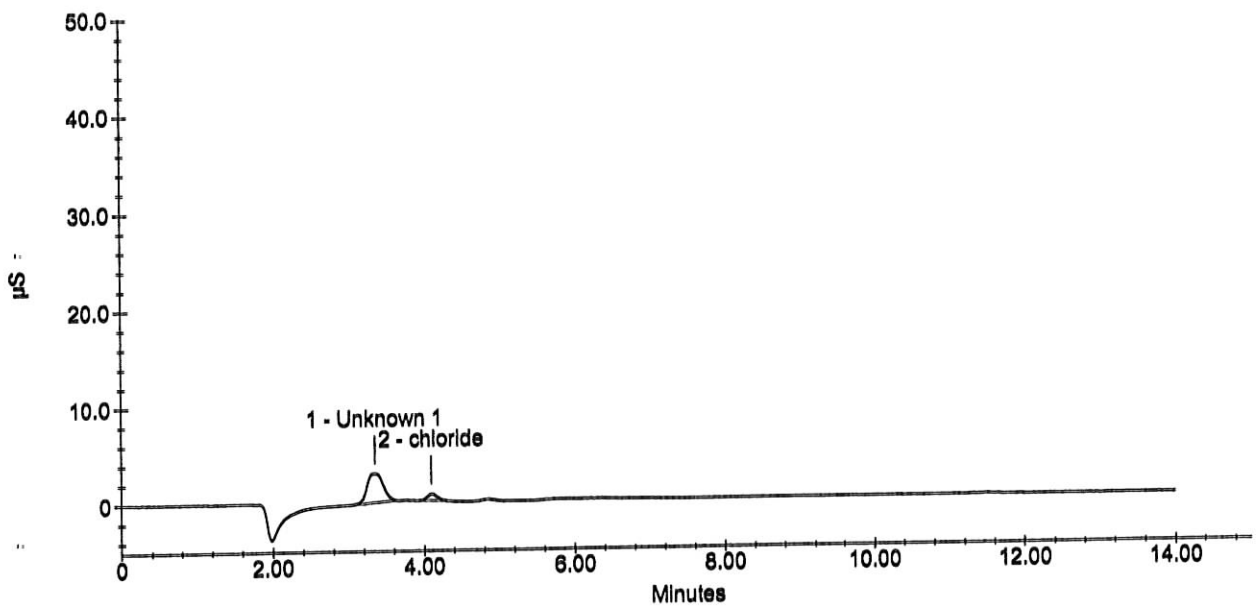
Sample Name : AY02616W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_112.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 19:05:42
System Operator : pd
Injection Number : 112
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	3.35	Unknown 1	0.0000	434179	29548	
2	4.09	chloride	5.2508	59727	6466	

AY02616W01 1/5



Sample Analysis Report

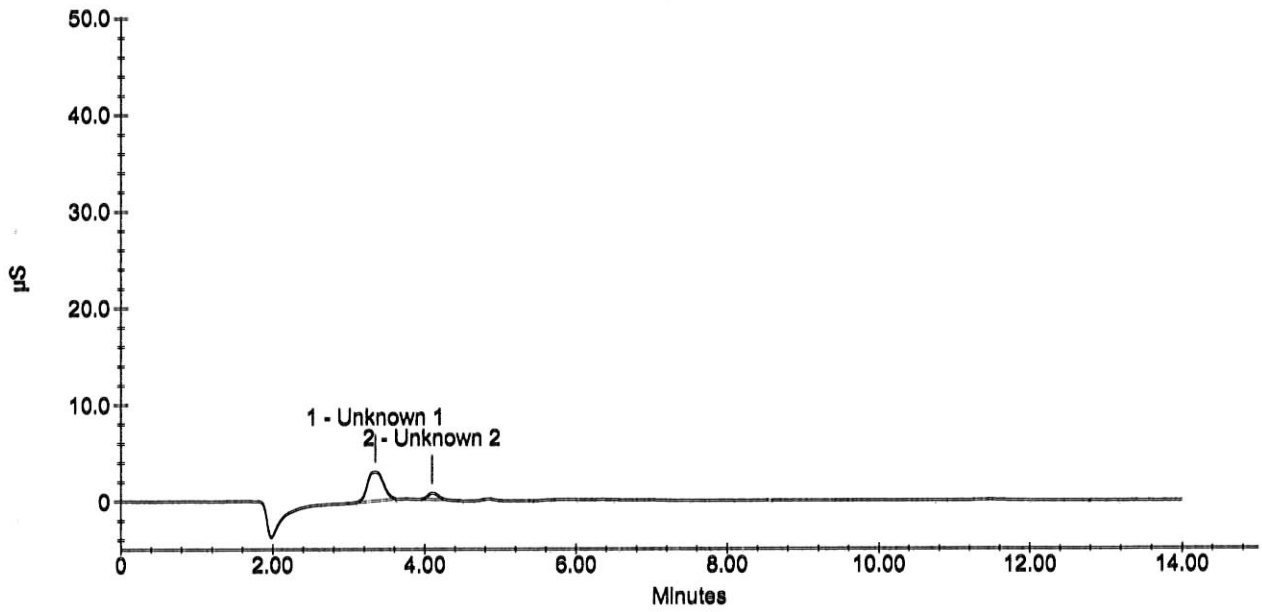
Sample Name : AY02616W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_112.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 19:05:42
System Operator : pd
Injection Number : 112
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	3.35	Unknown 1	0.0000	434179	29548	
2	4.09	Unknown 2	0.0000	59727	6466	

AY02616W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101491

Sample Collection Date: No Date Specified

APPL ID: AY02617

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

Form 1 - APPL Standard Wetlab - No MC
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Sample Analysis Report

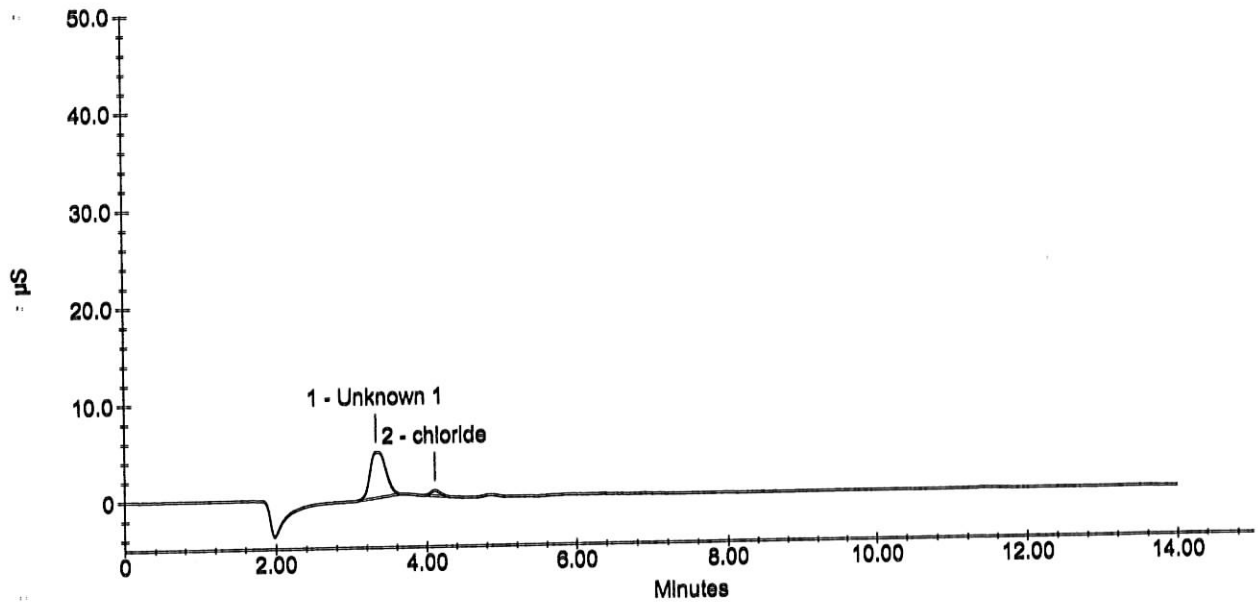
Sample Name : AY02617W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_113.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 19:22:16
System Operator : pd
Injection Number : 113
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	690861	47024	
2	4.11	chloride	5.1870	49893	5561	

AY02617W01 1/5



Sample Analysis Report

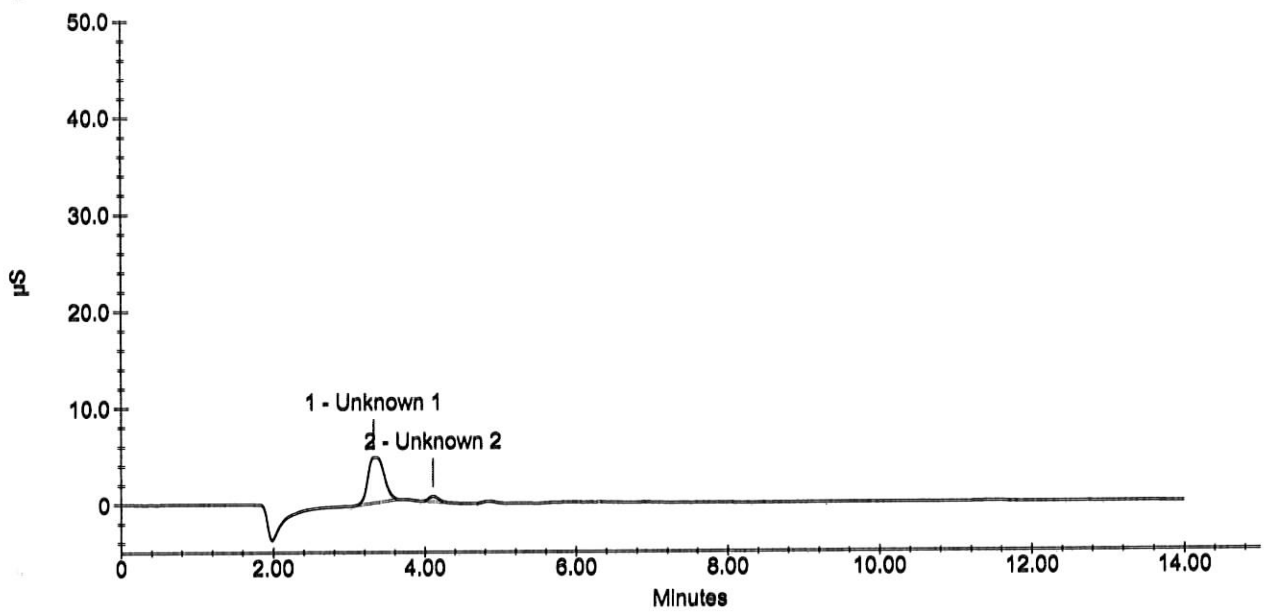
Sample Name : AY02617W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_113.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 19:22:16
System Operator : pd
Injection Number : 113
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	690861	47024	
2	4.11	Unknown 2	0.0000	49893	5561	

AY02617W01 1/5



Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: 101492

Sample Collection Date: No Date Specified

APPL ID: AY02618

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

Sample Analysis Report

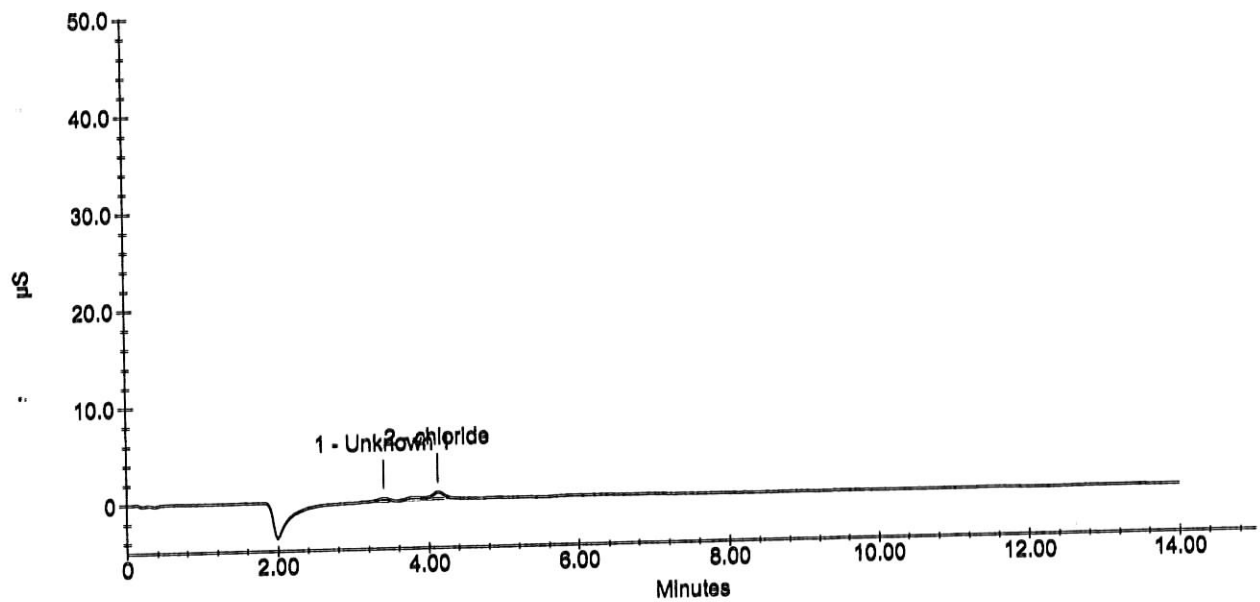
Sample Name : AY02618W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_114.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 19:38:49
System Operator : pd
Injection Number : 114
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	27019	2663	
2	4.12	chloride	5.5615	107582	6597	

AY02618W01 1/5



Sample Analysis Report

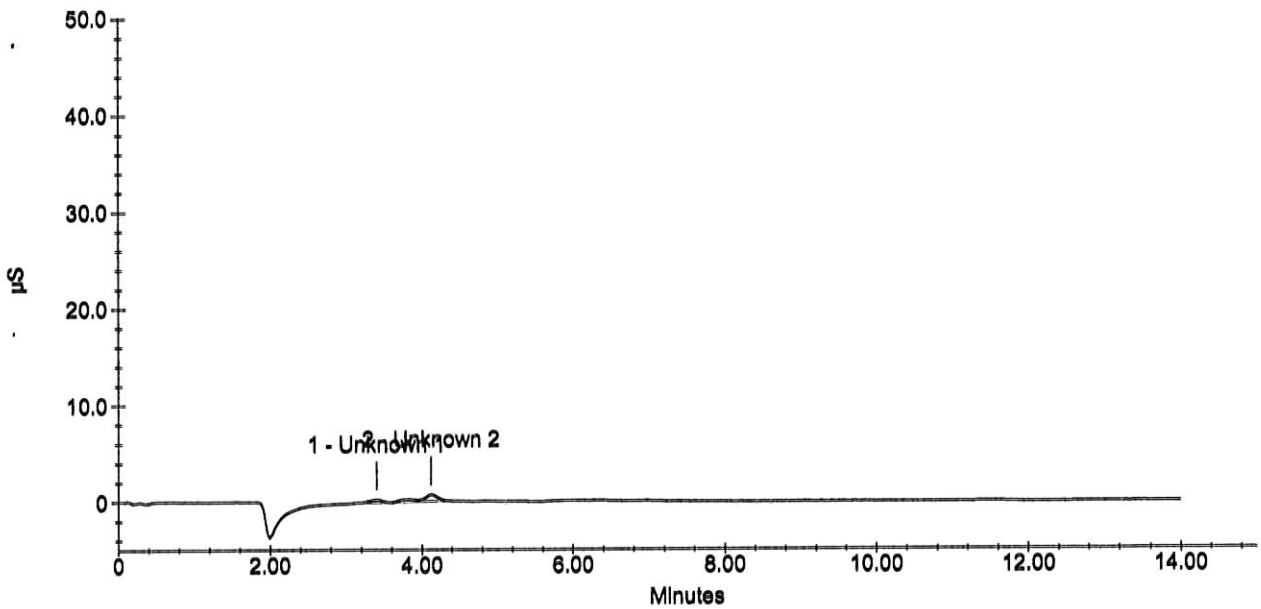
Sample Name : AY02618W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_114.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 19:38:49
System Operator : pd
Injection Number : 114
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	27019	2663	
2	4.12	Unknown 2	0.0000	107582	6597	

AY02618W01 1/5



APPL, Inc.

Current Date : 9/8/09
Current Time : 12:37:05

Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

Sample ID: METHOD BLANK 1

Sample Collection Date: No Date Specified

APPL ID: AY02619

ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

Sample Analysis Report

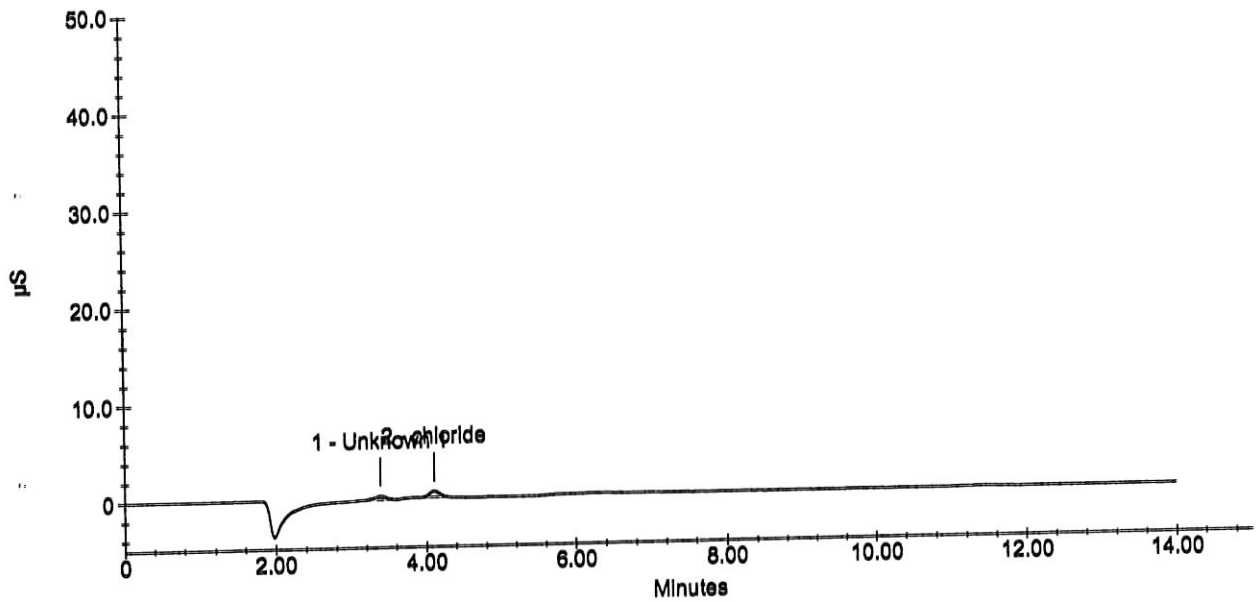
Sample Name : AY02619W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_115.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 19:55:22
System Operator : pd
Injection Number : 115
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	34790	3494	
2	4.11	chloride	5.2442	58715	6203	

AY02619W01 1/5



Sample Analysis Report

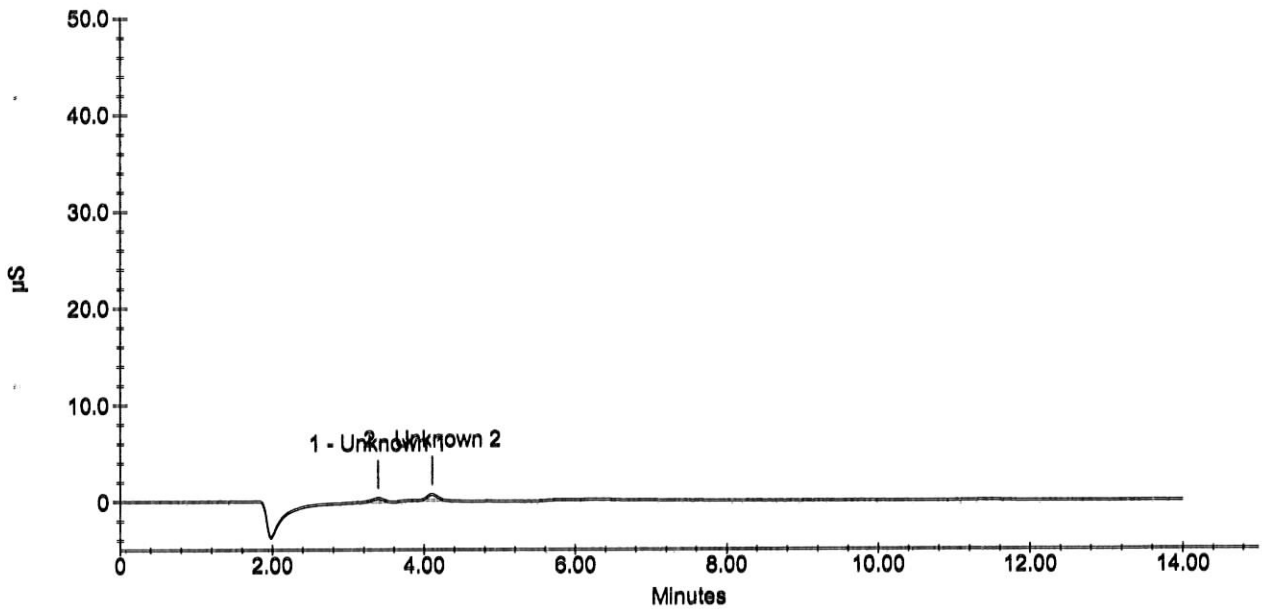
Sample Name : AY02619W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_115.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 19:55:22
System Operator : pd
Injection Number : 115
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.39	Unknown 1	0.0000	34790	3494	
2	4.11	Unknown 2	0.0000	58715	6203	

AY02619W01 1/5



APPL, Inc.

Current Date : 9/8/09
Current Time : 12:37:11

Wet Lab Analysis

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

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Ausha Scott

Project: 16512

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

APPL ID: AY02620
ARF: 59670

Method	Analyte	Result	PQL	Units	Prep Date	Analysis Date
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09

Form 1 - APPL Standard Wetlab - No MC
Printed: 09/16/09 9:49:59 AM

Sample Analysis Report

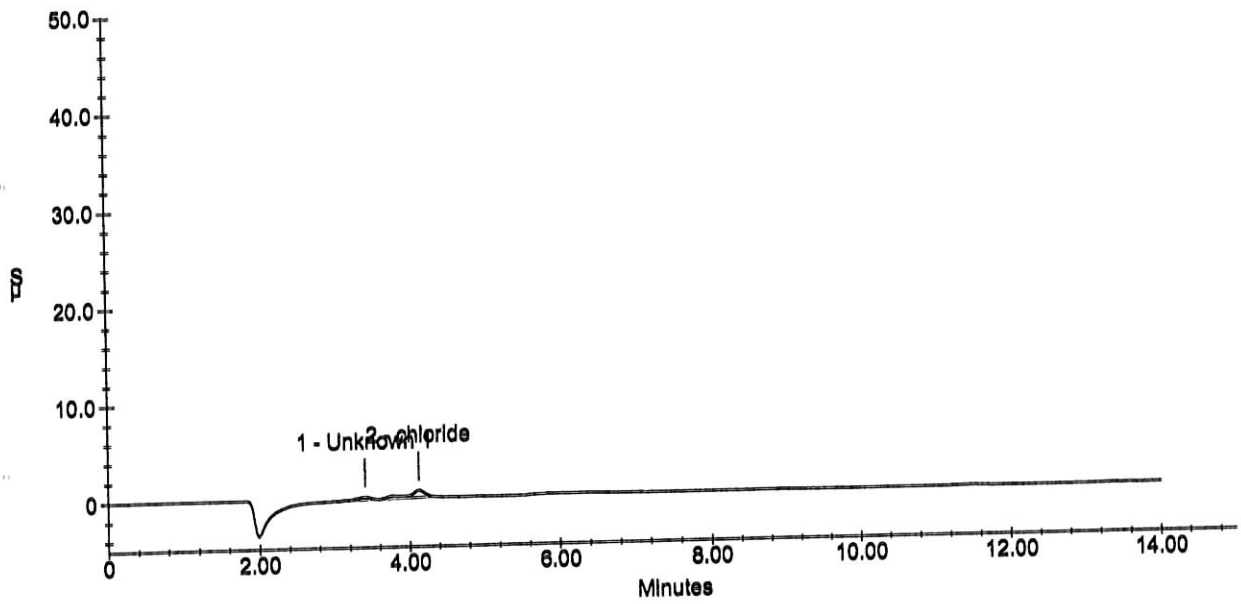
Sample Name : AY02620W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_116.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 20:11:56
System Operator : pd
Injection Number : 116
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	26408	2575	
2	4.12	chloride	5.6216	116830	7262	

AY02620W01 1/5



Sample Analysis Report

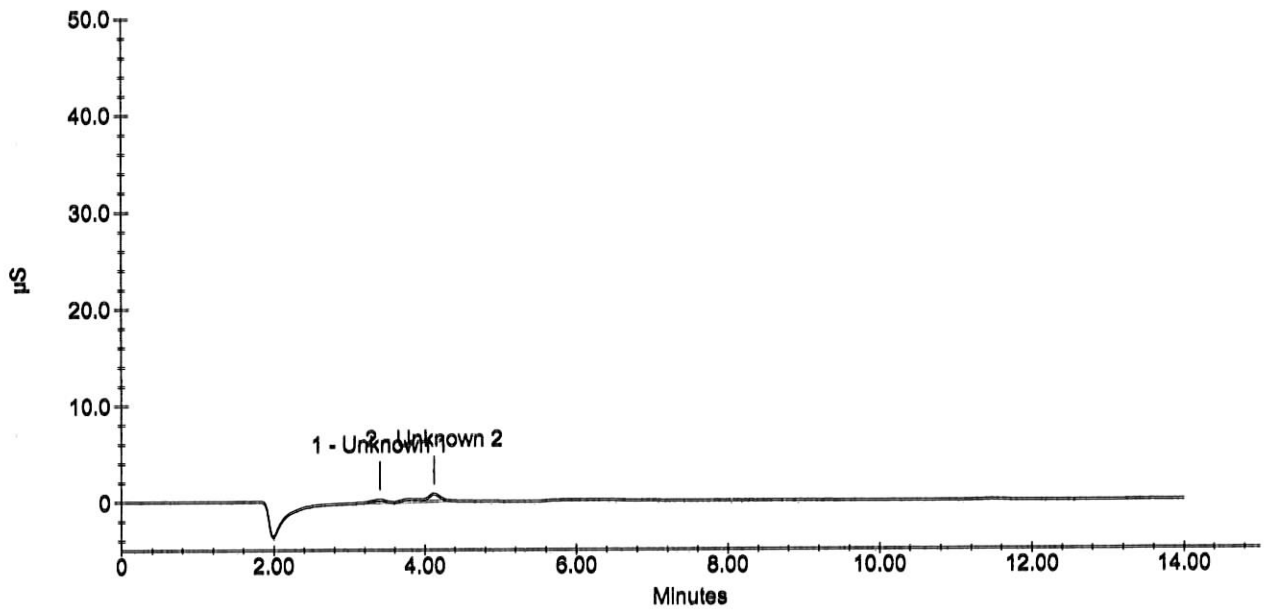
Sample Name : AY02620W01 1/5
Data File Name : i:\dionex\d1anions\data\090903a\090903A_116.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 20:11:56
System Operator : pd
Injection Number : 116
Multiplier : 5.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	3.40	Unknown 1	0.0000	26408	2575	
2	4.12	Unknown 2	0.0000	116830	7262	

AY02620W01 1/5



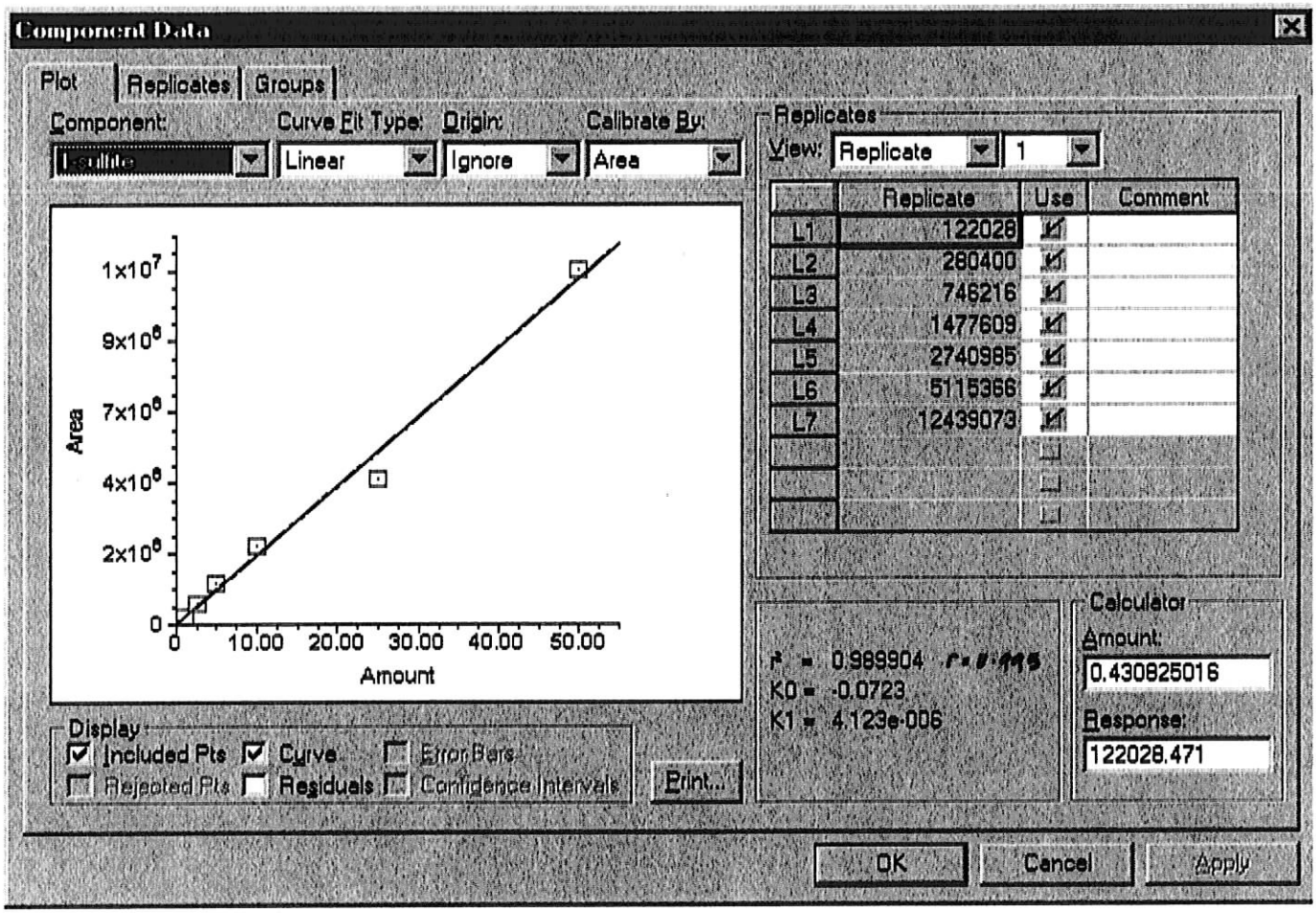
INORGANIC ANALYSIS
Calibration Data

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

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

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

ARF No.: 59670 SDG: 59670

Initial Calibration Source: Mallinkrodt

Continuing Calibration Source: J.T. Baker

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

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

(1) Control Limits: Wetlab 90-110

FORM II (PART 1) - IN ILM02.0

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

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

ARF No.: 59670 SDG: 59670

Preparation Blank Matrix (soil/water): water

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

Analysis Date: 8/25/09

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

INORGANIC ANALYSES
AUTO CALIBRATION

Analytical Method: 300/9056

Lab Name: APPL, Inc.

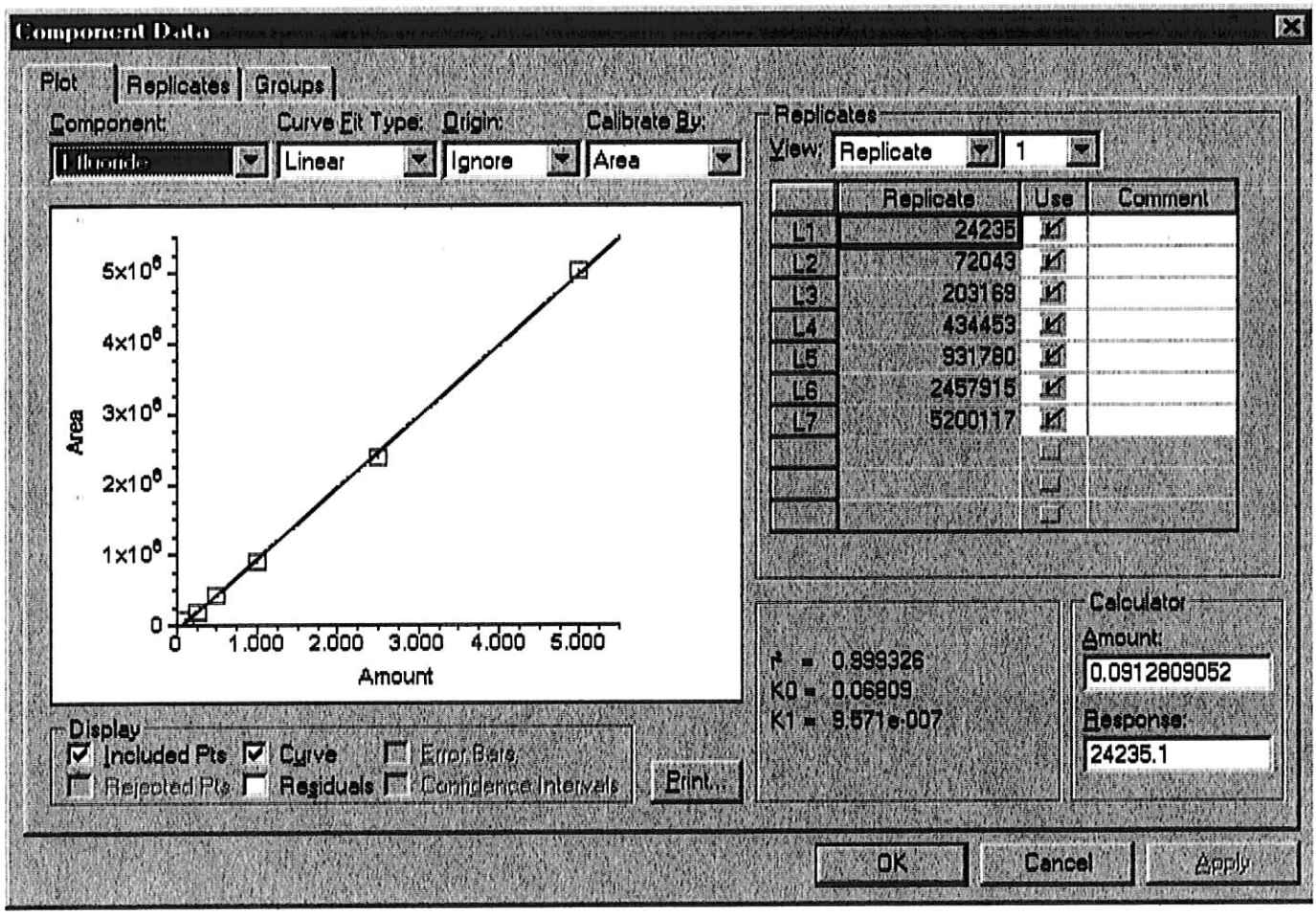
Instrument ID: Dionex

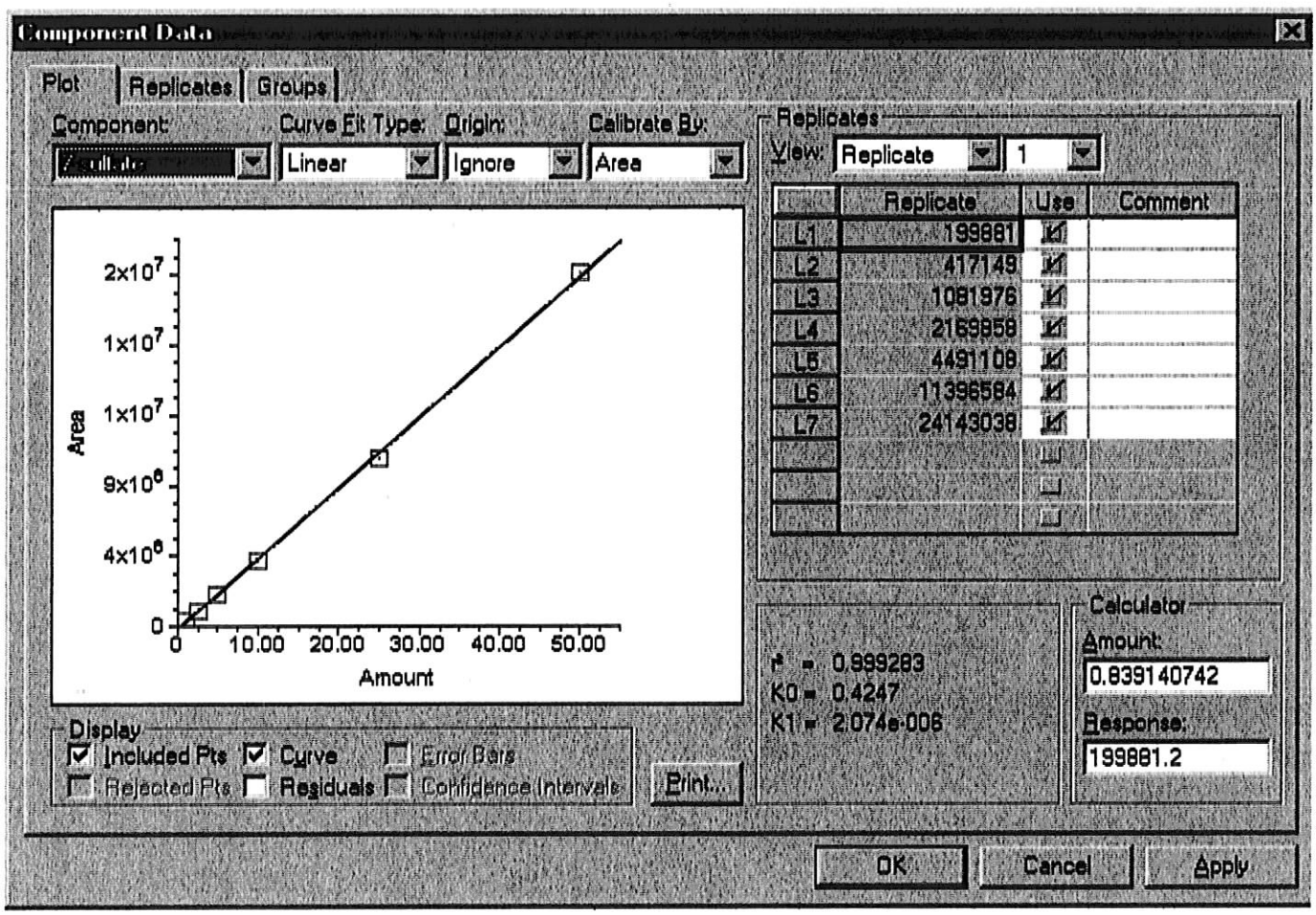
Autocal ID: 090901A

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

Analyte	1	2	3	4	5	6	7
	Autocal 09:49	Autocal 10:05	Autocal 10:22	Autocal 10:39	Autocal 10:56	Autocal 11:13	Autocal 11:46
Bromide	56674	111562	308911	622680	1254981	3243362	6783215
Chloride	328465	560105	1418965	2951918	6175426	17299188	38411160
Fluoride	24235	72042	203169	434452	931780	2457915	5200116
Nitrate-N	136291	274235	697947	1413219	2902160	7574257	16197782
Nitrite-N	36728	113670	288860	600571	1223625	3186979	6593543
Phosphate-P	135766	221784	541322	945574	1670807	3350958	6244935
Sulfate	199881	417149	1081975	2169858	4491108	11396583	24143038

Comments:


Component Data
Plot
Replicates
Groups
Component:
Curve Fit Type:
Origin:
Calibrate By:
Linear
Ignore
Area
Area
Amount
Replicates
View:
Replicate
1
Replicate
Use
Comment
L1 24235
L2 72043
L3 203169
L4 434453
L5 931780
L6 2457915
L7 5200117
r² = 0.999326
K0 = 0.06909
K1 = 9.671e-007
Calculator
Amount:
0.0912809052
Response:
24235.1
Display
Included Pts
Curve
Error Bars
Rejected Pts
Residuals
Confidence Intervals
Print...
OK
Cancel
Apply


Component Data
Plot
Replicates
Groups
Component:
Curve Fit Type:
Origin:
Calibrate By:
Linear
Ignore
Area
Replicates
View:
Replicate
1
Replicate
Use
Comment
L1 199881
L2 417149
L3 1081976
L4 2169858
L5 4491108
L6 11396584
L7 24143038
2x10^7
1x10^7
1x10^7
9x10^6
4x10^6
0
Area
0
10.00
20.00
30.00
40.00
50.00
Amount
r² = 0.999283
K0 = 0.4247
K1 = 2.074e-006
Calculator
Amount:
0.839140742
Response:
199881.2
Display
Included Pts
Curve
Error Bars
Rejected Pts
Residuals
Confidence Intervals
Print...
OK
Cancel
Apply

A.P.P.L. INC.

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

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

ARF No: 59670 SDG: 59670

Initial Calibration Source: CPI

Continuing Calibration Source: Environmental Express

Analysis Date: 9/1/2009

Analyte	Calibration Verification									M
	True ICV	Found 12:03	%R(1)	True CCV1	Found 13:10	%R(1)	True	Found	%R(1)	
fluoride	2.5	2.35817	94.3	2.5	2.44311	97.7				
sulfate	5	4.99147	99.8	25	23.8198	95.3				

(1) Control Limits: 90-110

ILM02.0

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

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

ARF No.: 59670 SDG: 59670

Preparation Blank Matrix (soil/water): water

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

Analyte	Calibration Blanks										M
	ICB 09/01/09 12:20	C	CCB 09/01/09 13:27	C		C		C		C	
fluoride	1.000	U	1.000	U							
sulfate	5.000	U	5.000	U							

INORGANIC ANALYSES
AUTO CALIBRATION

Analytical Method: 300/9056

Lab Name: APPL, Inc.

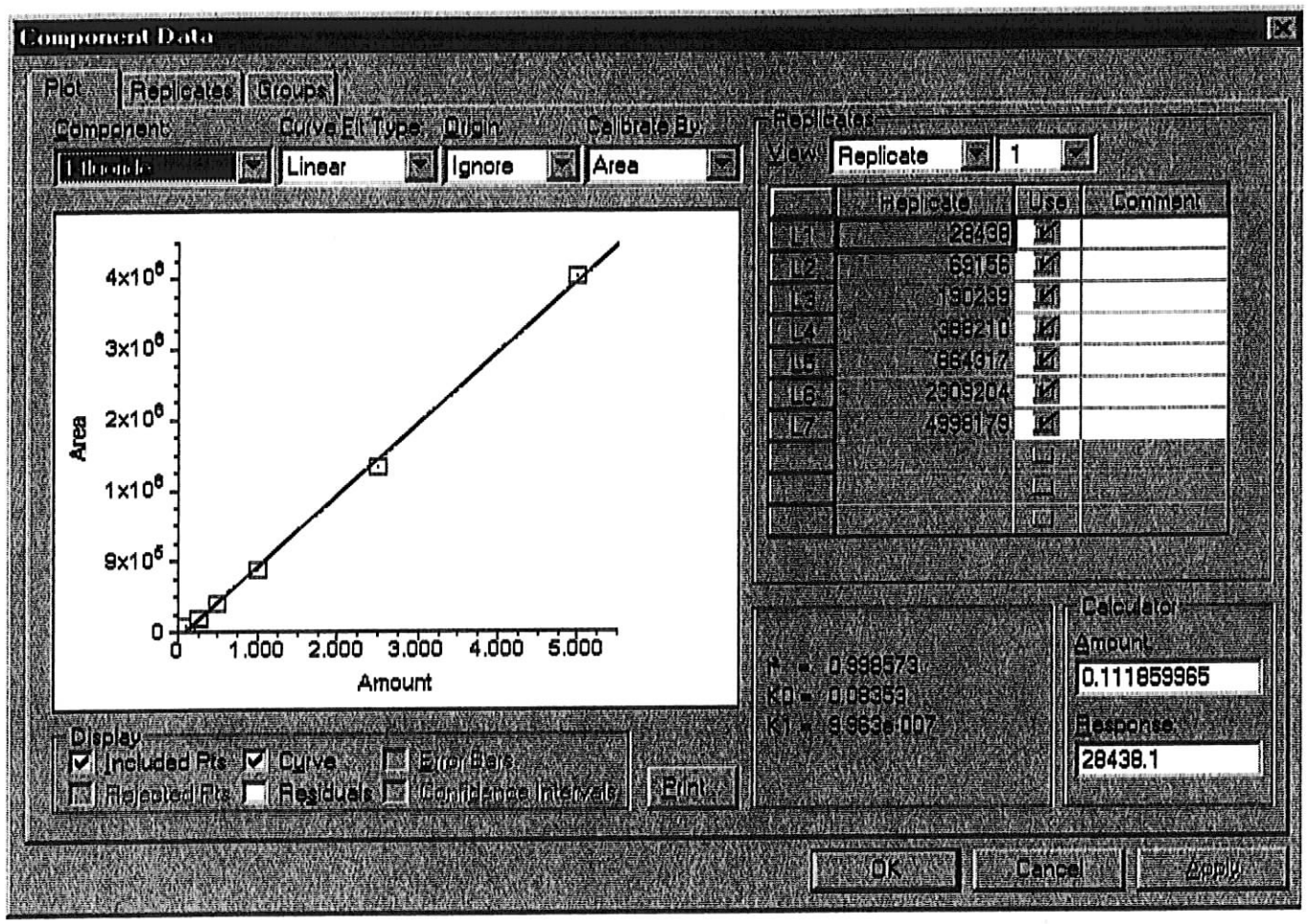
Instrument ID: Dionex

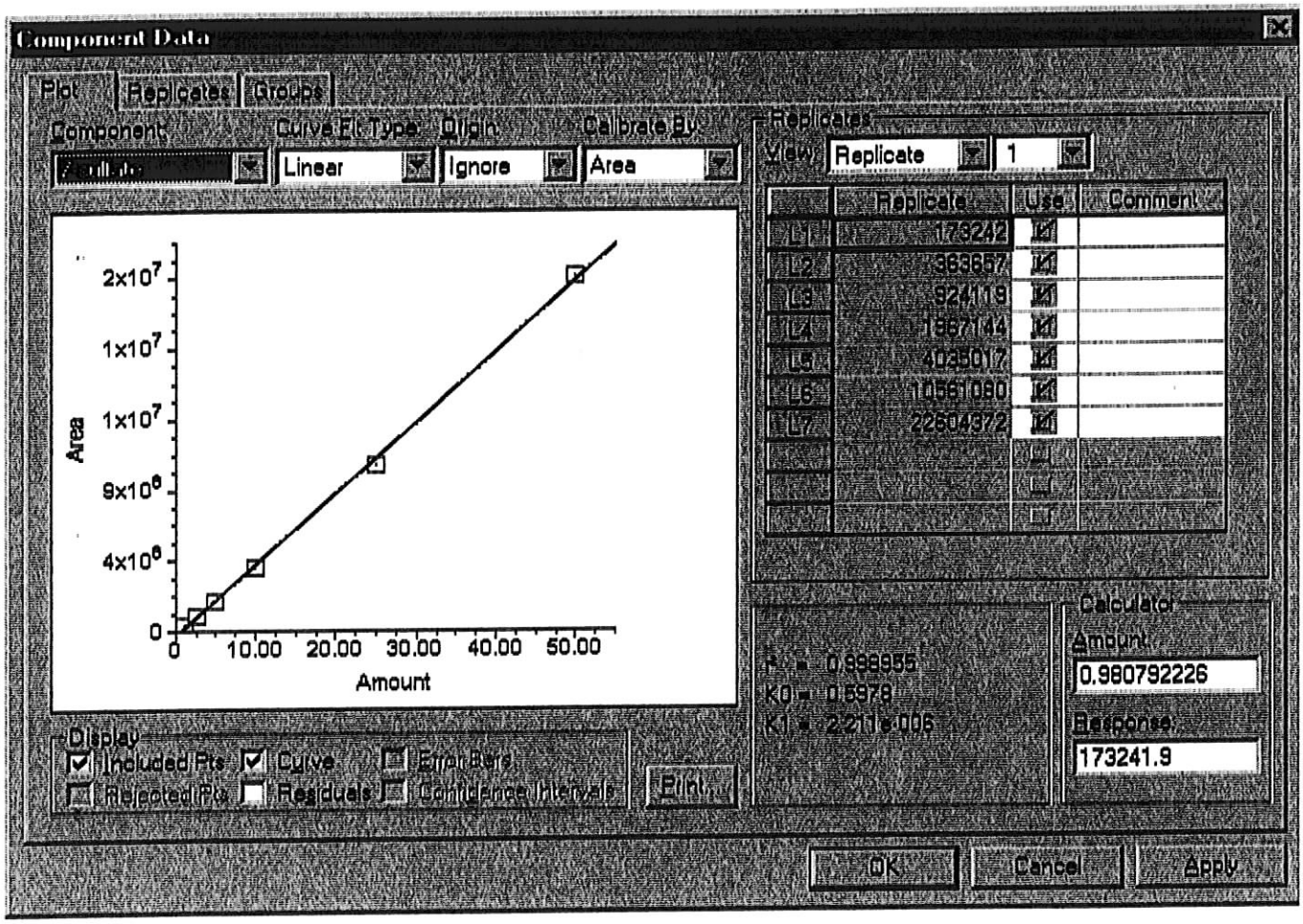
Autocal ID: 090908a

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

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

Comments:


Component Data
Plot
Replicates
Groups
Component:
Curve Fit Type:
Origin:
Calibrate By:
Linear
Ignore
Area
4x10^6
3x10^6
2x10^6
1x10^6
9x10^5
0
Area
0
1.000
2.000
3.000
4.000
5.000
Amount
Replicates
View:
Replicate
1
Replicate
Use
Comment
L1
28438
L2
69156
L3
180239
L4
388210
L5
664317
L6
2909204
L7
4998178
r = 0.998573
R0 = 0.08359
R1 = 9.963e-007
Calculator
Amount
0.111859965
Response
28438.1
Display
Included Pts
Curve
Error Bars
Rejected Pts
Residuals
Confidence Intervals
Print
OK
Cancel
Apply


Component Data
Plot
Replicates
Groups
Component:
Curve Fit Type:
Origin:
Calibrate By:
Linear
Ignore
Area
Replicates
View:
Replicate
1
Replicate
Use
Comment
L1
173242
L2
383657
L3
924119
L4
1967144
L5
4035017
L6
10561080
L7
22604372
2x10^7
1x10^7
1x10^7
9x10^6
4x10^6
0
Area
0
10.00
20.00
30.00
40.00
50.00
Amount
R = 0.999955
K0 = 0.5978
K1 = 2.211e-006
Calculate
Amount:
0.980792226
Response:
173241.9
Display
Included Pts
Curve
Error Bars
Rejected Pts
Residuals
Confidence Intervals
Print...
OK
Cancel
Apply

A.P.P.L. INC.

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

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

ARF No: 59670 SDG: 59670

Initial Calibration Source: CPI

Continuing Calibration Source: Environmental Express

Analysis Date: 9/8/2009

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

(1) Control Limits: 90-110

ILM02.0

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

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

ARF No.: 59670 SDG: 59670

Preparation Blank Matrix (soil/water): water

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

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

A.P.P.L. INC.

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

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

ARF No: 59670 SDG: 59670

Initial Calibration Source: CPI

Continuing Calibration Source: Environmental Express

Analysis Date: 9/9/2009

Analyte	Calibration Verification									M
	True CCV1	Found 9:26	%R(1)	True CCV1	Found 14:46	%R(1)	True	Found	%R(1)	
fluoride	2.5	2.43554	97.4	2.5	2.38477	95.4				
sulfate	25	24.4162	97.7	25	24.9593	99.8				

(1) Control Limits: 90-110

ILM02.0

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

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

ARF No.: 59670 SDG: 59670

Preparation Blank Matrix (soil/water): water

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

Analyte	Calibration Blanks										M
	CCB 09/09/09 09:10	C	CCB 09/09/09 14:31	C		C		C		C	
fluoride	1.000	U	1.000	U							
sulfate	5.000	U	5.000	U							

A.P.P.L. INC.

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

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

ARF No: 59670 SDG: 59670

Initial Calibration Source: CPI

Continuing Calibration Source: Environmental Express

Analysis Date: 09/03/09

Analyte	Calibration Verification									M
	True CCV1	Found 9:20	%R(1)	True CCV1	Found 15:12	%R(1)	True CCV1	Found 19:41	%R(1)	
fluoride	2.5	2.34461	93.8	2.5	2.35613	94.2	2.5	2.29427	91.8	
sulfate	25	23.1719	92.7	25	23.8806	95.5	25	23.8726	95.5	

(1) Control Limits: 90-110

ILM02.0

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

Lab Name: A.P.P.L. INC. Contract: Air Toxics Ltd.
ARF No: 59670 SDG: 59670
Initial Calibration Source: CPI
Continuing Calibration Source: Environmental Express
Analysis Date: 09/04/09

Analyte	Calibration Verification									M
	True CCV1	Found 1:54	%R(1)	True CCV1	Found 5:30	%R(1)	True CCV1	Found 9:55	%R(1)	
fluoride	2.5	2.33655	93.5	2.5	2.32581	93.0	2.5	2.32203	92.9	
sulfate	25	23.8666	95.5	25	24.5945	98.4	25	24.0426	96.2	

(1) Control Limits: 90-110

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

Lab Name: A.P.P.L. INC. Contract: Air Toxics Ltd.
ARF No: 59670 SDG: 59670
Initial Calibration Source: CPI
Continuing Calibration Source: Environmental Express
Analysis Date: 09/04/09

Analyte	Calibration Verification									M
	True CCV1	Found 13:31	%R(1)	True CCV1	Found 22:13	%R(1)	True	Found	%R(1)	
fluoride	2.5	2.34324	93.7	2.5	2.37310	94.9				
sulfate	25	24.0211	96.1	25	24.0449	96.2				

(1) Control Limits: 90-110

ILM02.0

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

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

ARF No.: 59670 SDG: 59670

Preparation Blank Matrix (soil/water): water

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

Analyte	Calibration Blanks										M
	B 09/03/09 10:09	C	B 09/03/09 16:02	C	B 09/03/09 21:40	C	B 09/04/09 02:11	C	B 09/04/09 06:36	C	
fluoride	1.000	U	1.000	U	1.000	U	1.000	U	1.0000	U	
sulfate	5.000	U	5.000	U	5.000	U	5.000	U	5.0000	U	

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

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

ARF No.: 59670 SDG: 59670

Initial Calibration Source: Mallinkrodt

Continuing Calibration Source: J.T. Baker

Analysis Date: 9/3/09 Concentration Units: mg/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found 9:37	%R(1)	Found 15:30	%R(1)	M
Sulfite	NA			25.00	26.7375	107.0	24.5208	98.1	P

(1) Control Limits: Wetlab 90-110

FORM II (PART 1) - IN ILM02.0

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

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

ARF No.: 59670 SDG: 59670

Initial Calibration Source: Mallinkrodt

Continuing Calibration Source: J.T. Baker

Analysis Date: 9/3/09 Concentration Units: mg/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found 20:52	%R(1)	Found 1:38	%R(1)	M
Sulfite	NA			25.00	23.3716	93.5	26.0613	104.2	P

(1) Control Limits: Wetlab 90-110

FORM II (PART 1) - IN ILM02.0

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

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

ARF No.: 59670 SDG: 59670

Initial Calibration Source: Mallinkrodt

Continuing Calibration Source: J.T. Baker

Analysis Date: 9/3/09 Concentration Units: mg/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found 6:04	%R(1)	Found 10:12	%R(1)	M
Sulfite	NA			25.00	23.9517	95.8	22.9274	91.7	P

(1) Control Limits: Wetlab 90-110

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

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

ARF No.: 59670 SDG: 59670

Initial Calibration Source: Mallinkrodt

Continuing Calibration Source: J.T. Baker

Analysis Date: 9/3/09 Concentration Units: mg/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found 14:29	%R(1)	Found 21:56	%R(1)	M
Sulfite	NA			25.00	22.5656	90.3	22.684	90.7	P

(1) Control Limits: Wetlab 90-110

FORM II (PART 1) - IN ILM02.0

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

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

ARF No.: 59670 SDG: 59670

Preparation Blank Matrix (soil/water): water

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

Analyte	Calibration Blanks										M
	B 09/04/09 10:28	C	B 09/04/09 15:18	C	B 09/04/09 22:30	C		C		C	
fluoride	1.000	U	1.000	U	1.000	U					
sulfate	5.000	U	5.000	U	5.000	U					

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

Lab Name: APPL Inc. Contract: Air Toxics

ARF No.: 59670 SDG: 59670

Preparation Blank Matrix (soil/water): water

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

Analyte	Callibration Blanks												M	
	1 09/03/09 10:09	C	2 09/03/09 16:02	C	3 09/03/09 21:40	C	4 09/04/09 2:11	C	5 09/04/09 6:36	C				
Sulfite	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U				P

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

Lab Name: APPL Inc. Contract: Air Toxics

ARF No.: 59670 SDG: 59670

Preparation Blank Matrix (soil/water): water

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

Analyte	Calibration Blanks												M	
	1 09/04/09 10:28	C	2 09/04/09 15:18	C	3 09/04/09 22:30	C	4	C	5	C				
Sulfite	5.0	U	5.0	U	5.0	U								P

Calibration Update Report

Sample Name : 090901AICAL#1
Data File Name : I:\dionex\d1anions\data\090901a\090901A_007.DXD

Method File Name : ...\epa300 09-01-09low.met
Schedule File Name : ...\090901a.sch
Date Time Collected : 9/1/09 09:49:04

Calibration Date : 9/1/09 10:05:29
System Operator : pd
Injection Number : 7

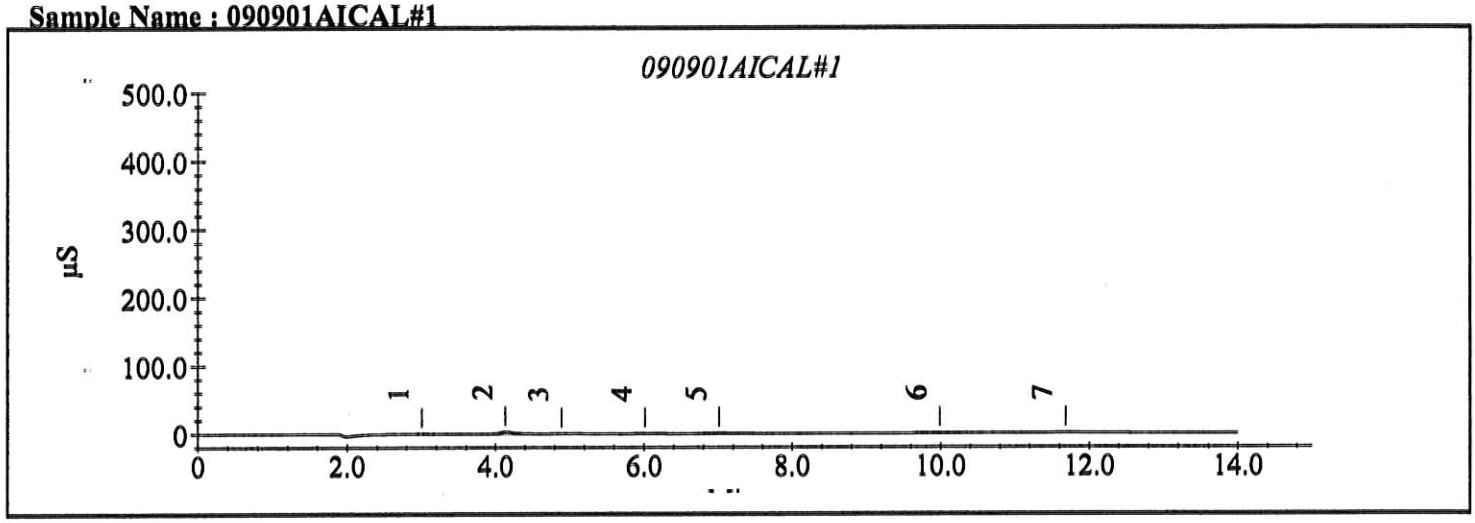
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	3.00	fluoride	48690	24235	24235
2	4.13	chloride	301559	328466	328466
3	4.89	nitrite-n	236240	36729	36729
4	6.01	bromide	55954	56674	56674
5	7.01	nitrate-n	132788	136291	136291
6	9.99	phosphate-p	133778	135766	135766
7	11.68	sulfate	189512	199881	199881

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	3.00	fluoride	0.05	24235	3215	-
2	4.13	chloride	0.50	328466	27174	-
3	4.89	nitrite-n	0.05	36729	3399	-
4	6.01	bromide	0.25	56674	3572	-
5	7.01	nitrate-n	0.10	136291	6827	-
6	9.99	phosphate-p	0.10	135766	4183	-
7	11.68	sulfate	0.50	199881	6634	-

Sample Name : 090901AICAL#1



Calibration Update Report

Sample Name : 090901AICAL#2
Data File Name : I:\dionex\d1anions\data\090901a\090901A_008.DXD

Method File Name : ...\epa300 09-01-09low.met
Schedule File Name : ...\090901a.sch
Date Time Collected : 9/1/09 10:05:54

Calibration Date : 9/1/09 10:22:18
System Operator : pd
Injection Number : 8

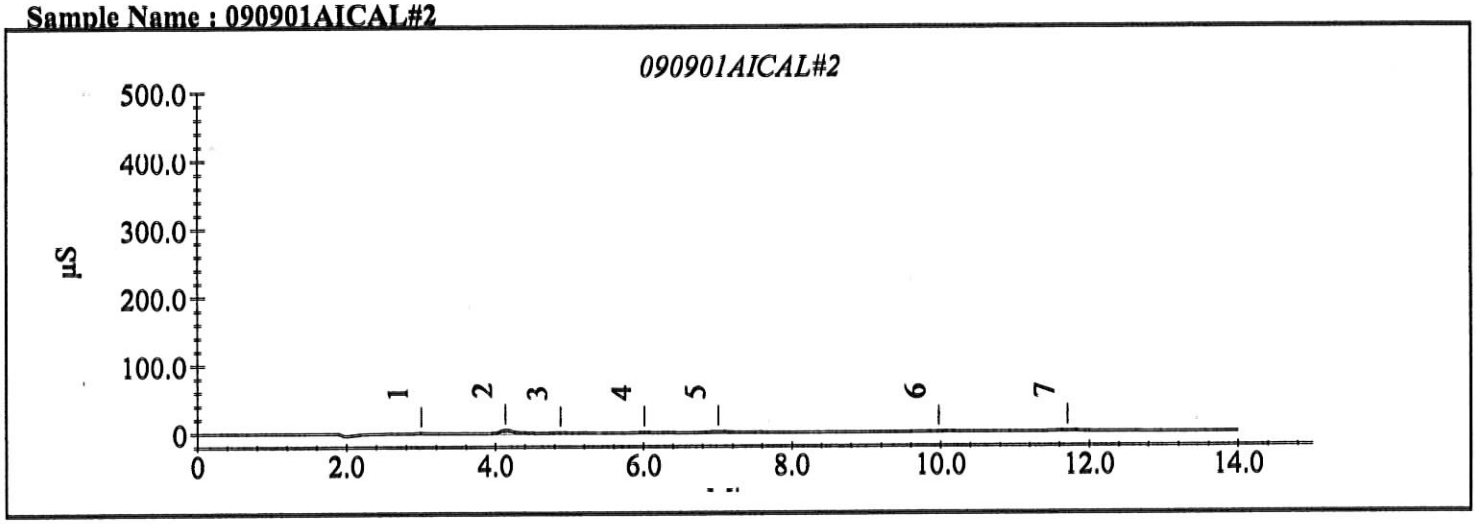
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	3.00	fluoride	78614	72043	72043
2	4.13	chloride	586743	560105	560105
3	4.88	nitrite-n	112074	113670	113670
4	6.01	bromide	119217	111562	111562
5	7.01	nitrate-n	269660	274235	274235
6	9.97	phosphate-p	219202	221784	221784
7	11.71	sulfate	401160	417149	417149

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	3.00	fluoride	0.10	72043	7358	
2	4.13	chloride	1.00	560105	46959	
3	4.88	nitrite-n	0.10	113670	7904	
4	6.01	bromide	0.50	111562	6988	
5	7.01	nitrate-n	0.20	274235	13609	
6	9.97	phosphate-p	0.20	221784	6928	
7	11.71	sulfate	1.00	417149	12699	

Sample Name : 090901AICAL#2



Calibration Update Report

Sample Name : 090901AICAL#3
Data File Name : I:\dionex\d1anions\data\090901a\090901A_009.DXD

Method File Name : ...\cpa300 09-01-09low.met
Schedule File Name : ...\090901a.sch
Date Time Collected : 9/1/09 10:22:42

Calibration Date : 9/1/09 10:39:07
System Operator : pd
Injection Number : 9

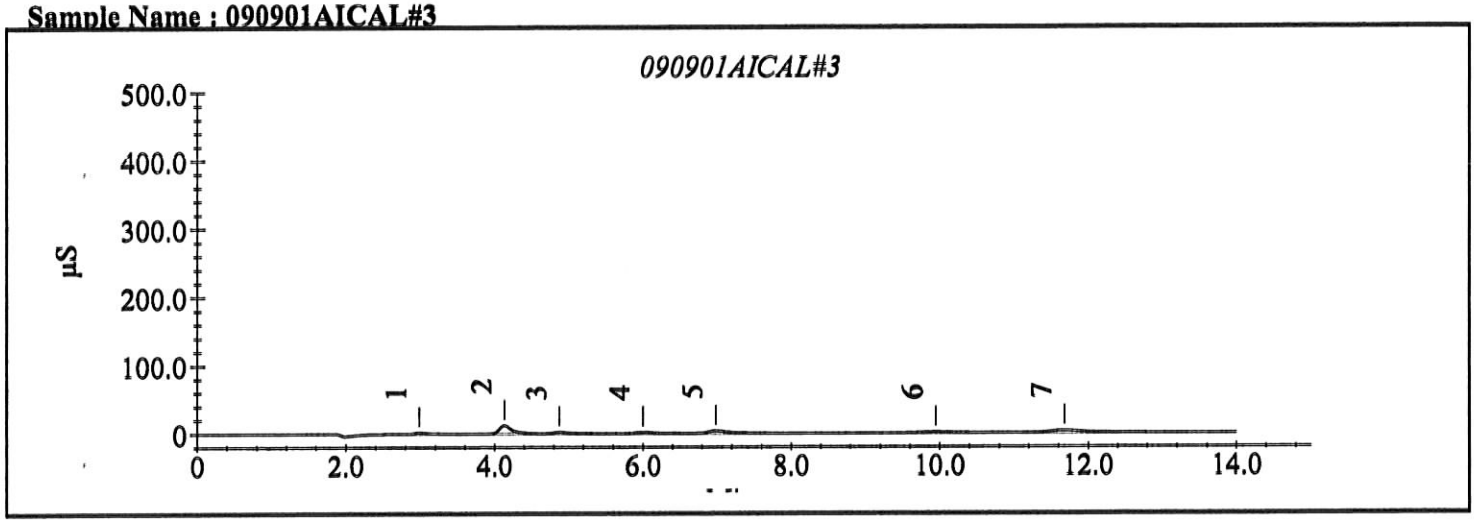
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	2.99	fluoride	213801	203169	203169
2	4.13	chloride	1465549	1418966	1418966
3	4.88	nitrite-n	295178	288860	288860
4	6.00	bromide	306969	308911	308911
5	6.99	nitrate-n	710752	697948	697948
6	9.95	phosphate-p	485908	541323	541323
7	11.68	sulfate	1038675	1081976	1081976

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	2.99	fluoride	0.25	203169	19213	
2	4.13	chloride	2.50	1418966	120244	
3	4.88	nitrite-n	0.25	288860	20109	
4	6.00	bromide	1.25	308911	18222	
5	6.99	nitrate-n	0.50	697948	34385	
6	9.95	phosphate-p	0.50	541323	15020	
7	11.68	sulfate	2.50	1081976	32321	

Sample Name : 090901AICAL#3



Calibration Update Report

Sample Name : 090901AICAL#4
Data File Name : I:\dionex\d1anions\data\090901a\090901A_010.DXD

Method File Name : ...\epa300 09-01-09low.met
Schedule File Name : ...\090901a.sch
Date Time Collected : 9/1/09 10:39:32

Calibration Date : 9/1/09 10:55:57
System Operator : pd
Injection Number : 10

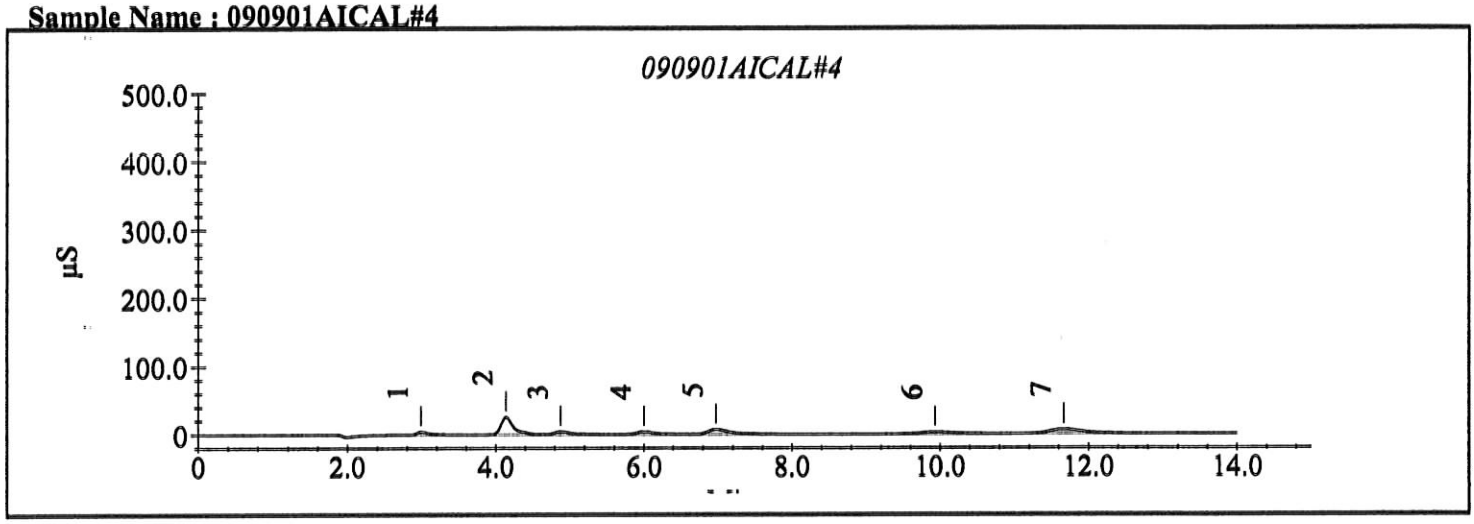
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	2.99	fluoride	442374	434453	434453
2	4.13	chloride	3039457	2951918	2951918
3	4.88	nitrite-n	602524	600572	600572
4	6.00	bromide	625912	622681	622681
5	6.97	nitrate-n	1409109	1413219	1413219
6	9.93	phosphate-p	946819	945575	945575
7	11.67	sulfate	2211126	2169858	2169858

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	2.99	fluoride	0.50	434453	40033	
2	4.13	chloride	5.00	2951918	253665	
3	4.88	nitrite-n	0.50	600572	41372	
4	6.00	bromide	2.50	622681	36792	
5	6.97	nitrate-n	1.00	1413219	69735	
6	9.93	phosphate-p	1.00	945575	26737	
7	11.67	sulfate	5.00	2169858	65001	

Sample Name : 090901AICAL#4



Calibration Update Report

Sample Name : 090901AICAL#5
Data File Name : I:\dionex\d1anions\data\090901a\090901A_011.DXD

Method File Name : ...\epa300 09-01-09low.met
Schedule File Name : ...\090901a.sch
Date Time Collected : 9/1/09 10:56:21

Calibration Date : 9/1/09 11:12:47
System Operator : pd
Injection Number : 11

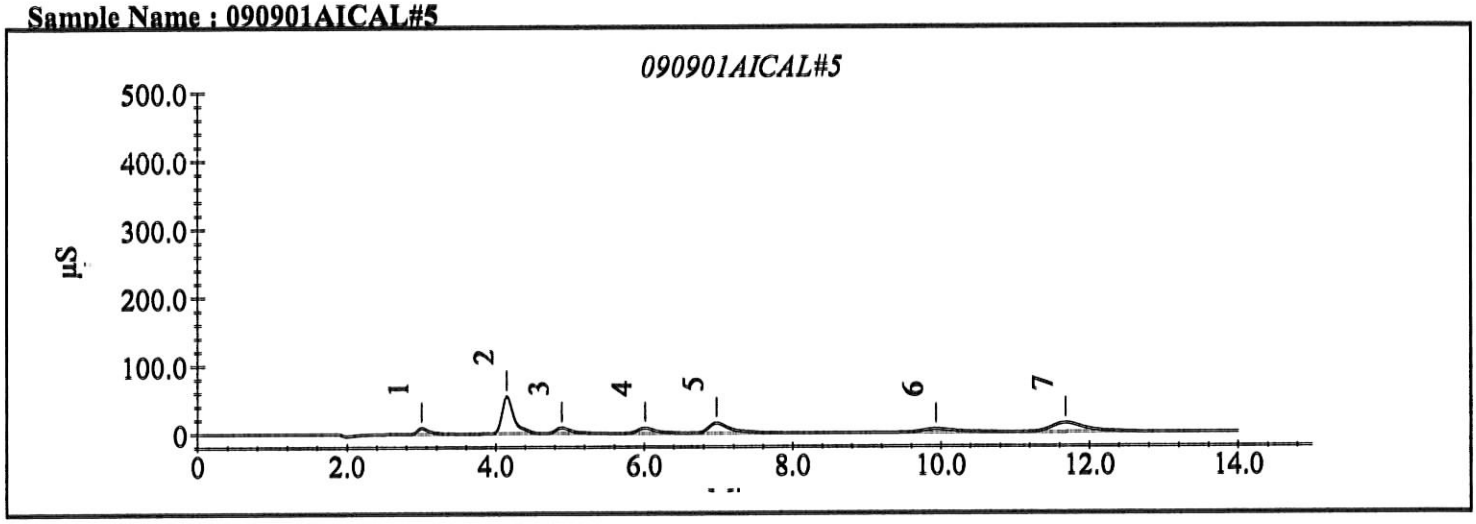
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	3.00	fluoride	934677	931780	931780
2	4.15	chloride	6259987	6175426	6175426
3	4.89	nitrite-n	1234353	1223625	1223625
4	6.01	bromide	1265477	1254982	1254982
5	6.97	nitrate-n	2879261	2902160	2902160
6	9.93	phosphate-p	1597742	1670808	1670808
7	11.68	sulfate	4400533	4491108	4491108

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	3.00	fluoride	1.00	931780	83710	
2	4.15	chloride	10.00	6175426	542342	
3	4.89	nitrite-n	1.00	1223625	84270	
4	6.01	bromide	5.00	1254982	75312	
5	6.97	nitrate-n	2.00	2902160	144144	
6	9.93	phosphate-p	2.00	1670808	48244	
7	11.68	sulfate	10.00	4491108	134607	

Sample Name : 090901AICAL#5



Calibration Update Report

Sample Name : 090901AICAL#6
Data File Name : i:\dionex\d1anions\data\090901a\090901A_012.DXD

Method File Name : ...\cpa300 09-01-09low.met
Schedule File Name : ...\090901a.sch
Date Time Collected : 9/1/09 11:13:11

Calibration Date : 9/1/09 11:29:35
System Operator : pd
Injection Number : 12

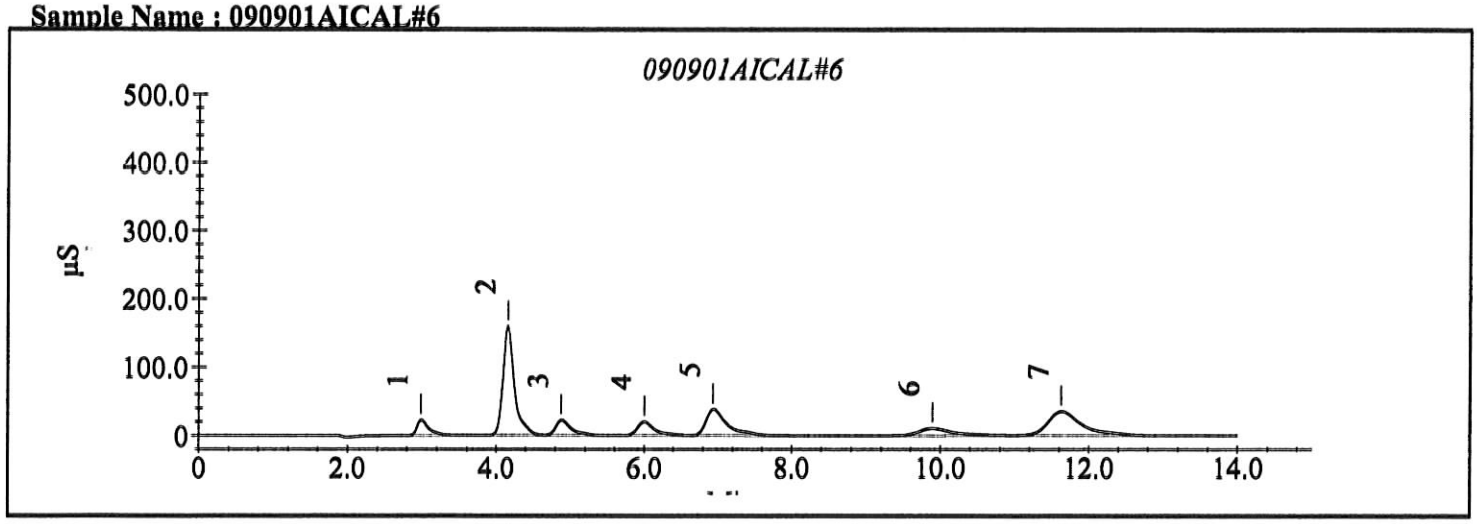
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	2.99	fluoride	2535562	2457915	2457915
2	4.16	chloride	17519359	17299189	17299189
3	4.88	nitrite-n	3205015	3186979	3186979
4	6.00	bromide	3247664	3243363	3243363
5	6.93	nitrate-n	7578610	7574257	7574257
6	9.89	phosphate-p	3383967	3350958	3350958
7	11.63	sulfate	11459964	11396584	11396584

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	2.99	fluoride	2.50	2457915	221929	
2	4.16	chloride	25.00	17299189	1591727	
3	4.88	nitrite-n	2.50	3186979	220286	
4	6.00	bromide	12.50	3243363	198280	
5	6.93	nitrate-n	5.00	7574257	380879	
6	9.89	phosphate-p	5.00	3350958	104589	
7	11.63	sulfate	25.00	11396584	351278	

Sample Name : 090901AICAL#6



Calibration Update Report

Sample Name : 090901AICAL#7
Data File Name : I:\dionex\d1anions\data\090901a\090901A_014.DXD

Method File Name : ...\epa300 09-01-09low.met
Schedule File Name : ...\090901a.sch
Date Time Collected : 9/1/09 11:46:36

Calibration Date : 9/1/09 12:03:01
System Operator : pd
Injection Number : 14

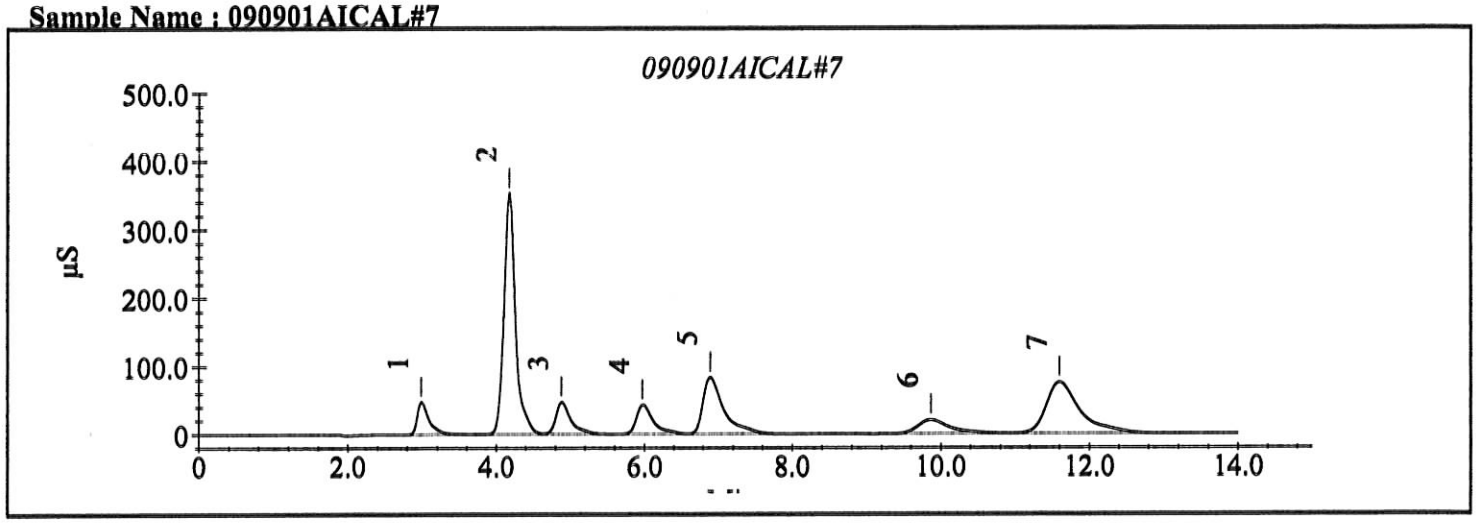
Peak Information : All Components

Peak #	Retention Time	Component Name	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
1	2.99	fluoride	5473423	5200117	5200117
2	4.17	chloride	39061015	38411161	38411161
3	4.88	nitrite-n	6865418	6593543	6593543
4	5.97	bromide	6960624	6783216	6783216
5	6.89	nitrate-n	16424505	16197782	16197782
6	9.87	phosphate-p	6333255	6244936	6244936
7	11.60	sulfate	24403050	24143038	24143038

Peak Information : All Components

Peak #	Retention Time	Component Name	Amount (mg/L)	Peak Area	Peak Height	Limit Exceeded
1	2.99	fluoride	5.00	5200117	470016	
2	4.17	chloride	50.00	38411161	3520535	
3	4.88	nitrite-n	5.00	6593543	468794	
4	5.97	bromide	25.00	6783216	424429	
5	6.89	nitrate-n	10.00	16197782	832326	
6	9.87	phosphate-p	10.00	6244936	203461	
7	11.60	sulfate	50.00	24143038	755418	

Sample Name : 090901AICAL#7



Sample Analysis Report

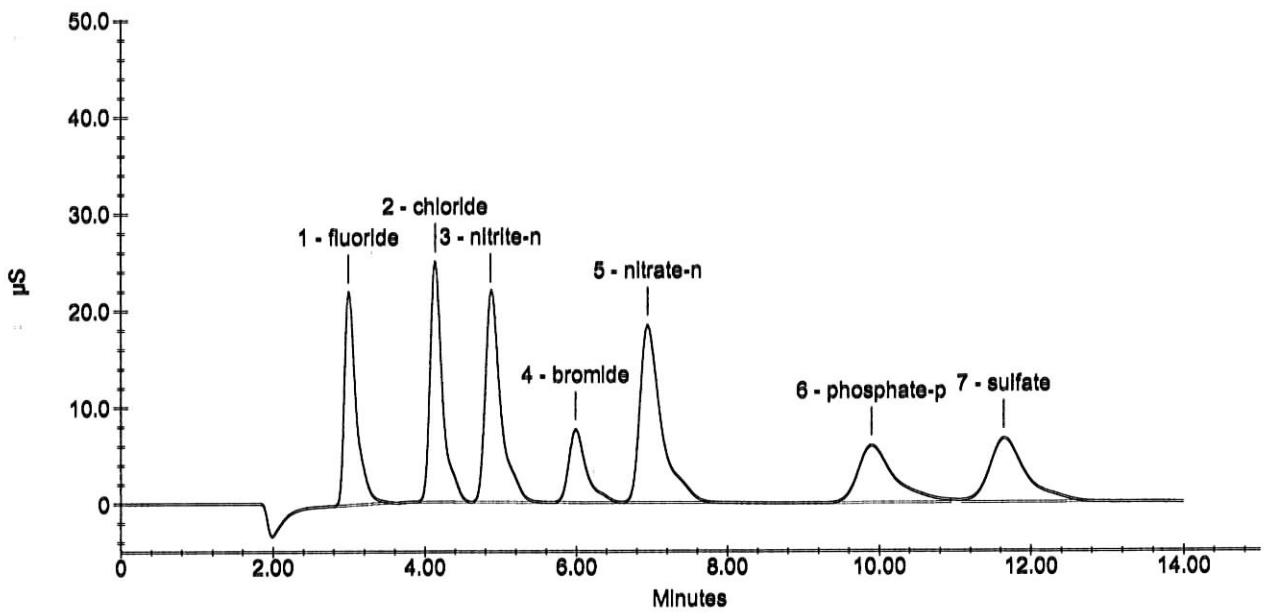
Sample Name : 090901A ICV
Data File Name : i:\dionex\d1anions\data\090901a\090901A_015.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/1/09 12:03:24
System Operator : pd
Injection Number : 15
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	2.99	fluoride	2.3582	2392822	219518	
2	4.13	chloride	4.6734	2849938	248044	
3	4.87	nitrite-n	2.4031	3122360	217125	
4	5.99	bromide	4.7304	1230466	75201	
5	6.95	nitrate-n	2.3564	3637675	183091	
6	9.89	phosphate-p	2.8592	1979082	59244	
7	11.64	sulfate	4.9915	2202421	65990	

090901A ICV



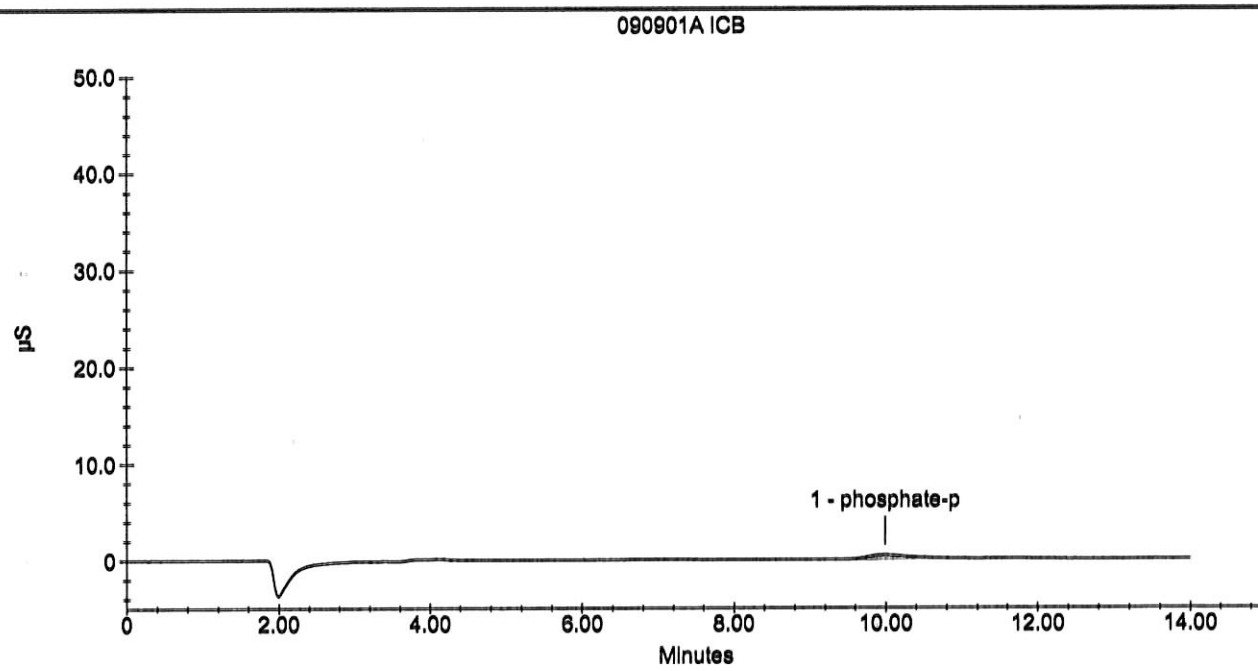
Sample Analysis Report

Sample Name : 090901A ICB
Data File Name : i:\dionex\d1anions\data\090901a\090901A_016.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/1/09 12:20:13
System Operator : pd
Injection Number : 16
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	9.99	phosphate-p	-0.1799	121064	3974	-



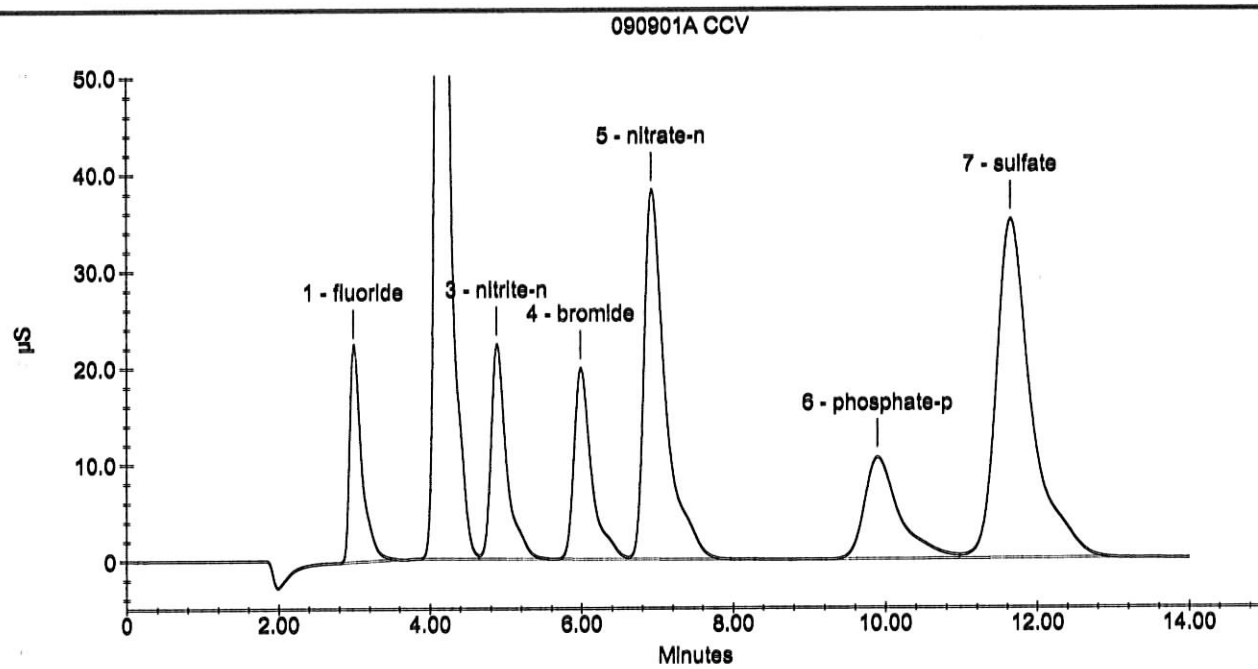
Sample Analysis Report

Sample Name : 090901A CCV
Data File Name : i:\dionex\d1anions\data\090901a\090901A_019.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/1/09 13:10:25
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	2.4431	2481578	221688	
2	4.15	chloride	23.1809	17102352	1556995	
3	4.88	nitrite-n	2.4271	3154050	221405	
4	5.99	bromide	11.9792	3197304	197134	
5	6.92	nitrate-n	4.7256	7473453	380757	
6	9.89	phosphate-p	5.0997	3348839	104909	
7	11.64	sulfate	23.8198	11282759	350188	



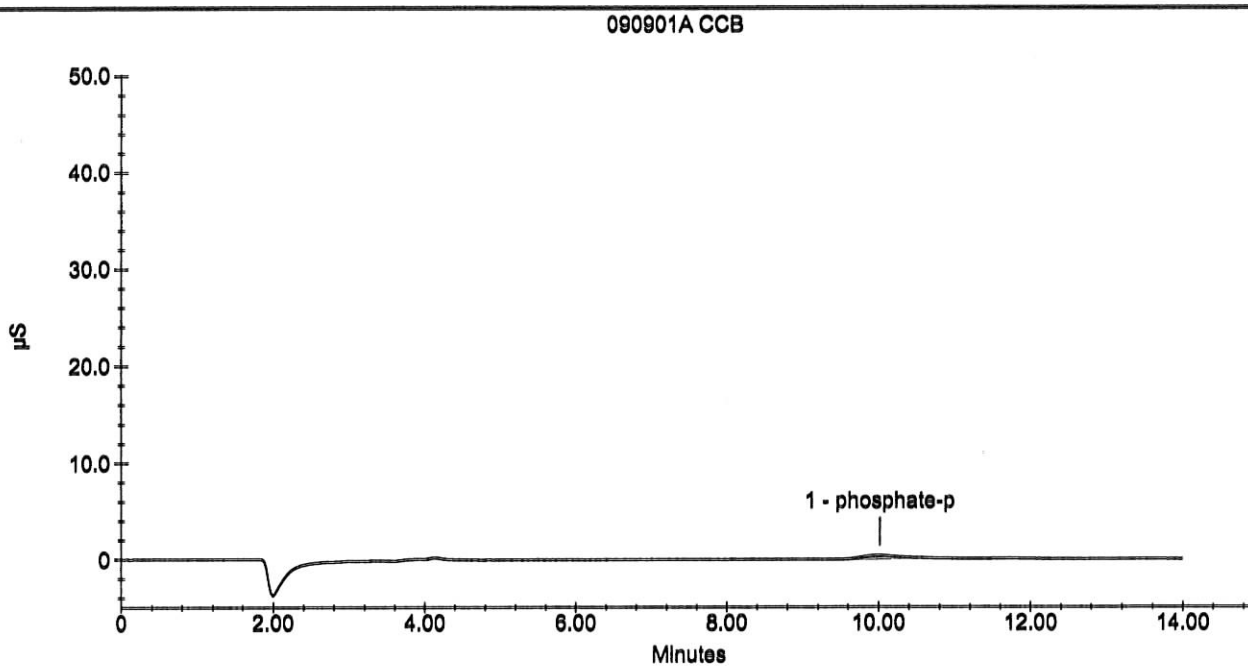
Sample Analysis Report

Sample Name : 090901A CCB
Data File Name : i:\dionex\d1anions\data\090901a\090901A_020.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/1/09 13:27:13
System Operator : pd
Injection Number : 20
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.01	phosphate-p	-0.2413	83523	3009	-



Calibration Update Report

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

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

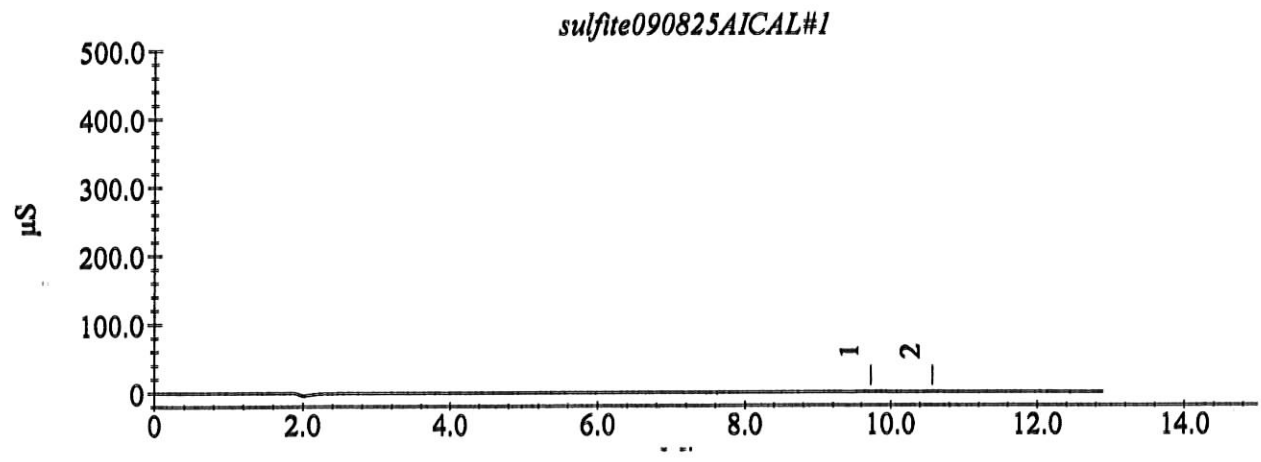
Calibration Date : 8/26/09 12:48:29
System Operator : PD
Injection Number : 12

Peak Information : All Components

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

Peak Information : All Components

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



Calibration Update Report

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

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

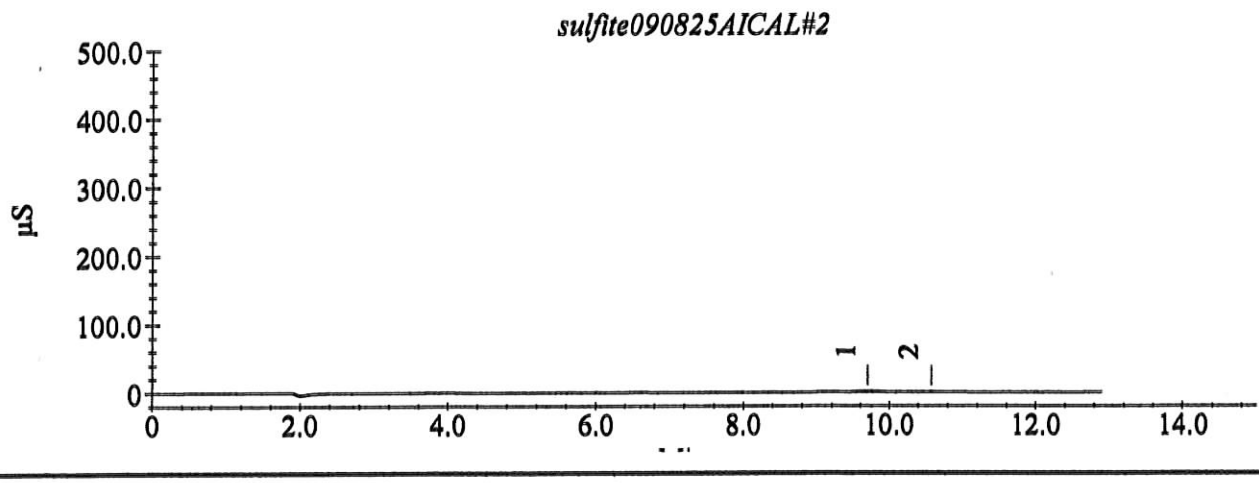
Calibration Date : 8/26/09 12:48:41
System Operator : PD
Injection Number : 13

Peak Information : All Components

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

Peak Information : All Components

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



Calibration Update Report

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

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

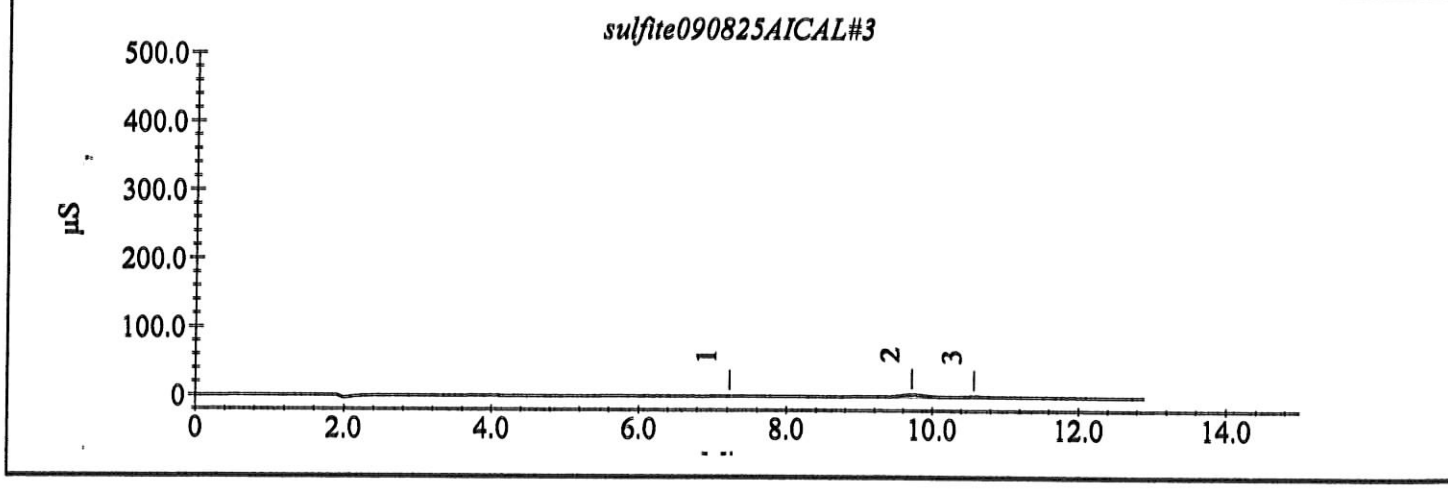
Calibration Date : 8/26/09 12:48:48
System Operator : PD
Injection Number : 14

Peak Information : All Components

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

Peak Information : All Components

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



Calibration Update Report

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

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

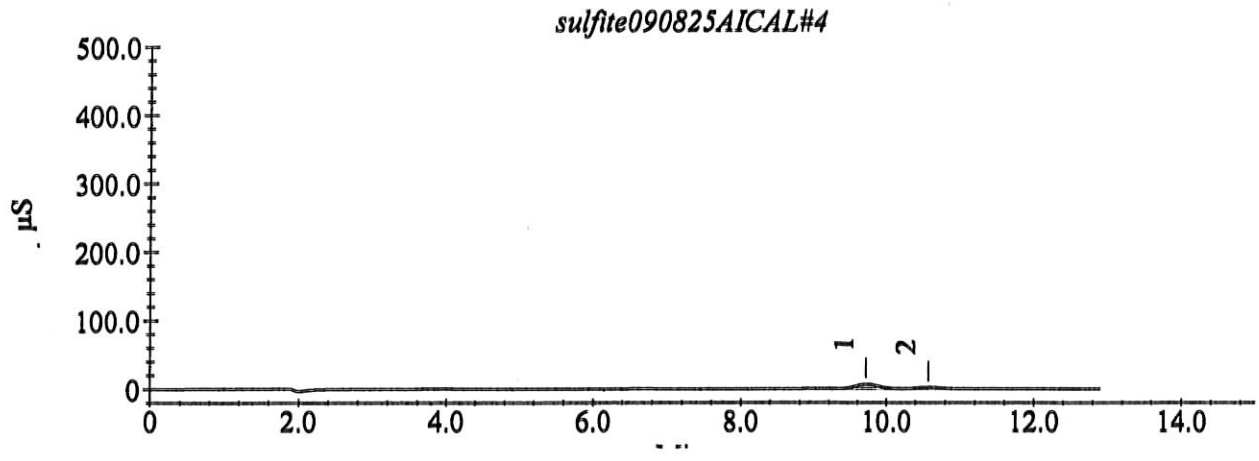
Calibration Date : 8/26/09 12:48:55
System Operator : PD
Injection Number : 15

Peak Information : All Components

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

Peak Information : All Components

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



Calibration Update Report

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

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

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

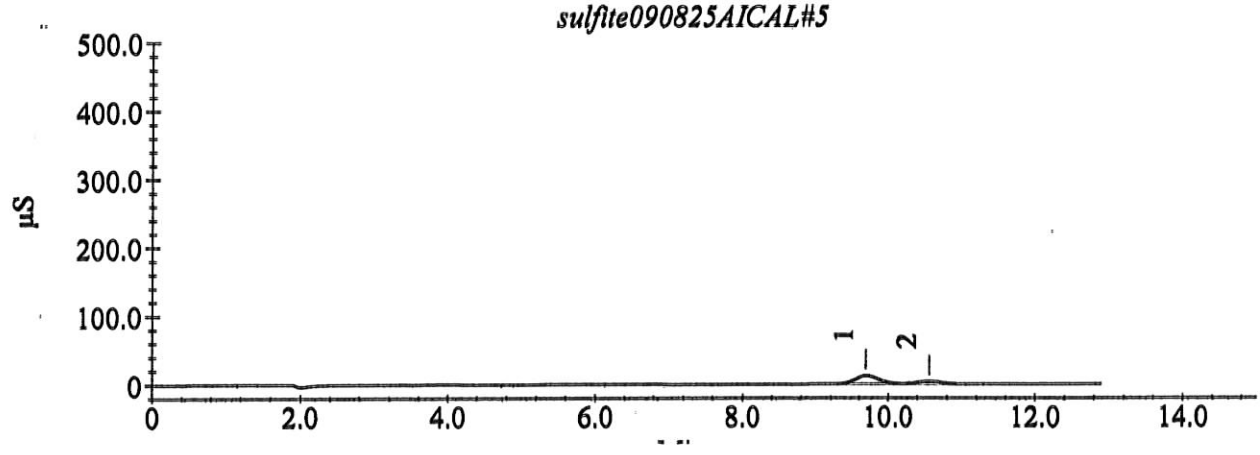
Peak Information : All Components

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

Peak Information : All Components

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

sulfite090825AICAL#5



Calibration Update Report

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

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

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

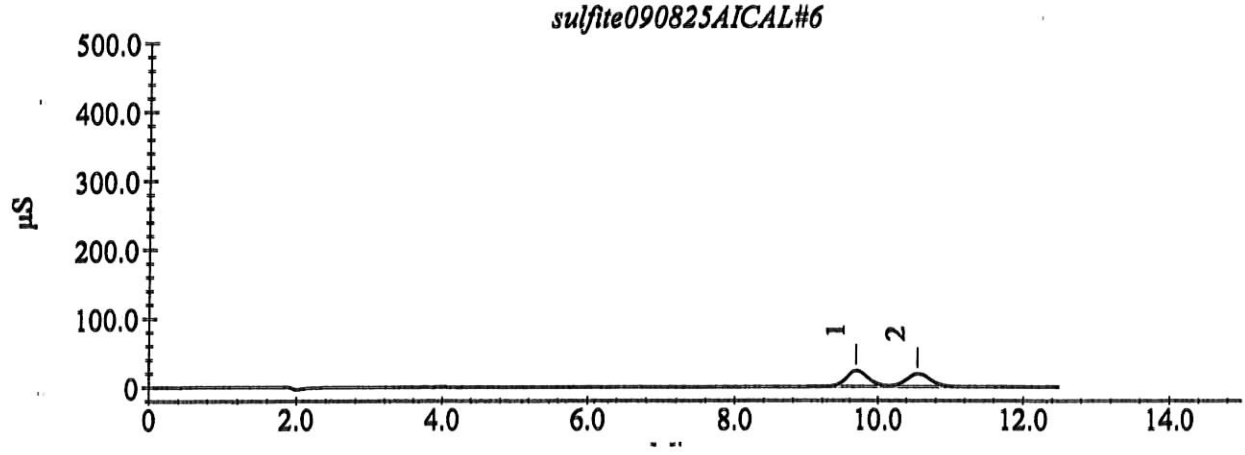
Peak Information : All Components

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

Peak Information : All Components

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

sulfite090825AICAL#6



Calibration Update Report

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

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

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

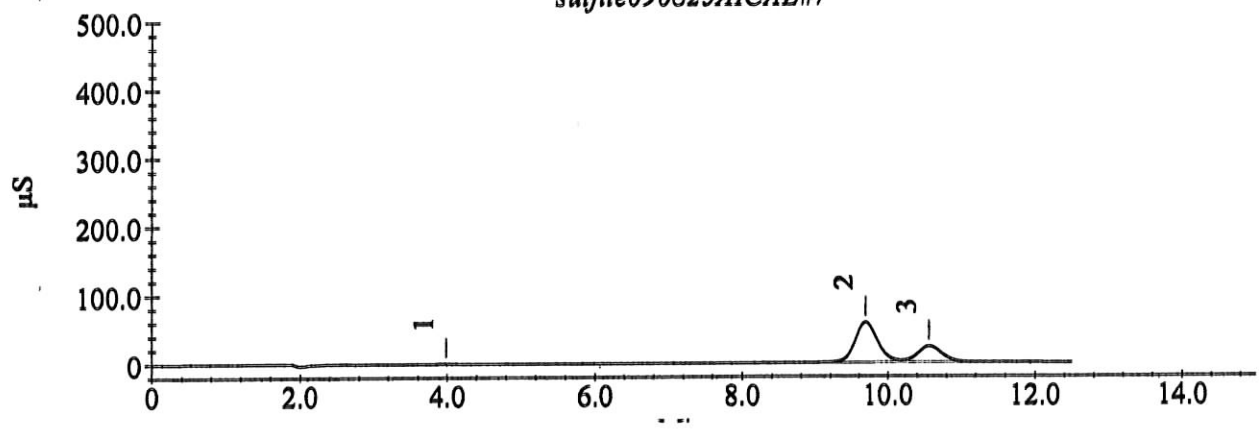
Peak Information : All Components

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

Peak Information : All Components

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

sulfite090825AICAL#7



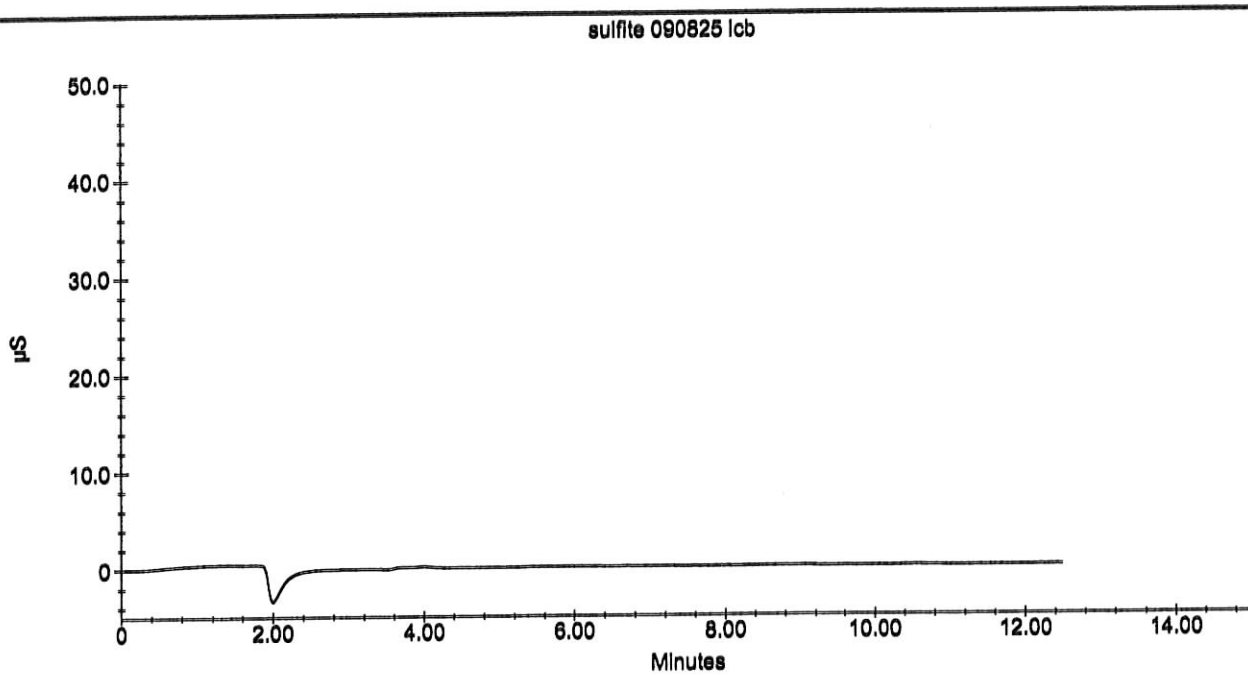
Sample Analysis Report

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

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 8/25/09 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



Sample Analysis Report

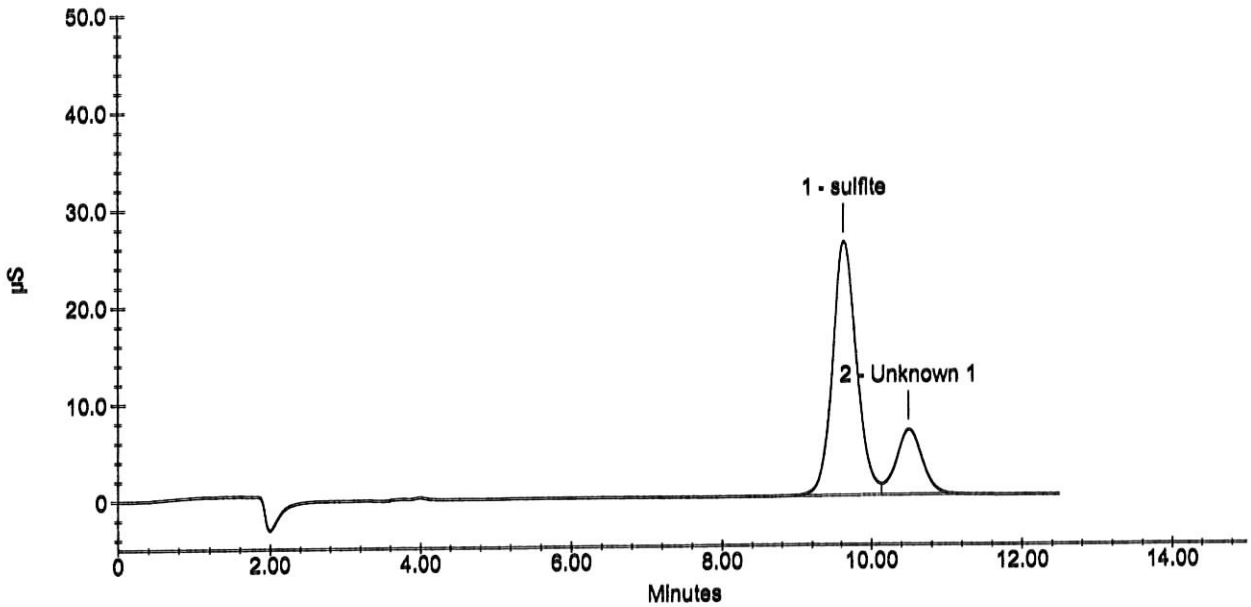
Sample Name : sulfite 090825 icv 25.0PPM
Data File Name : I:\DIONEX\D1ANIONS\DATA\090825A\090825A_023.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 8/25/09 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 icv 25.0PPM



APPL, Inc.

Current Date : 8/25/09
Current Time : 15:46:01

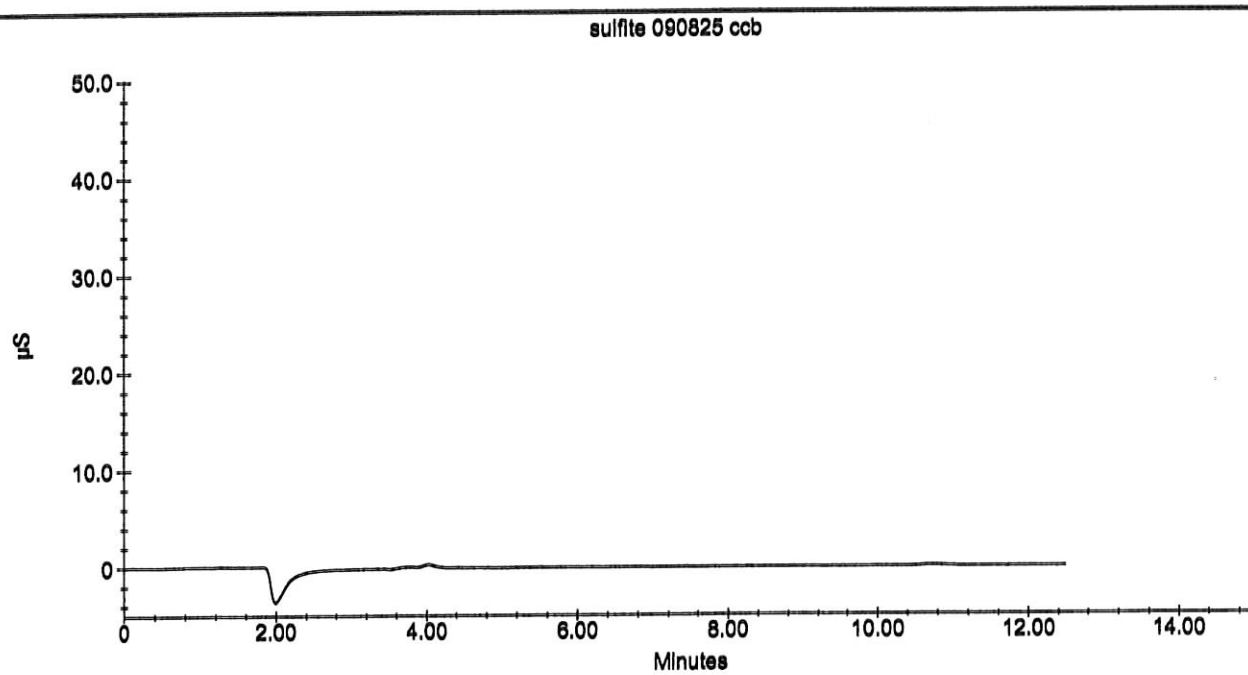
Sample Analysis Report

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

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 8/25/09 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



Sample Analysis Report

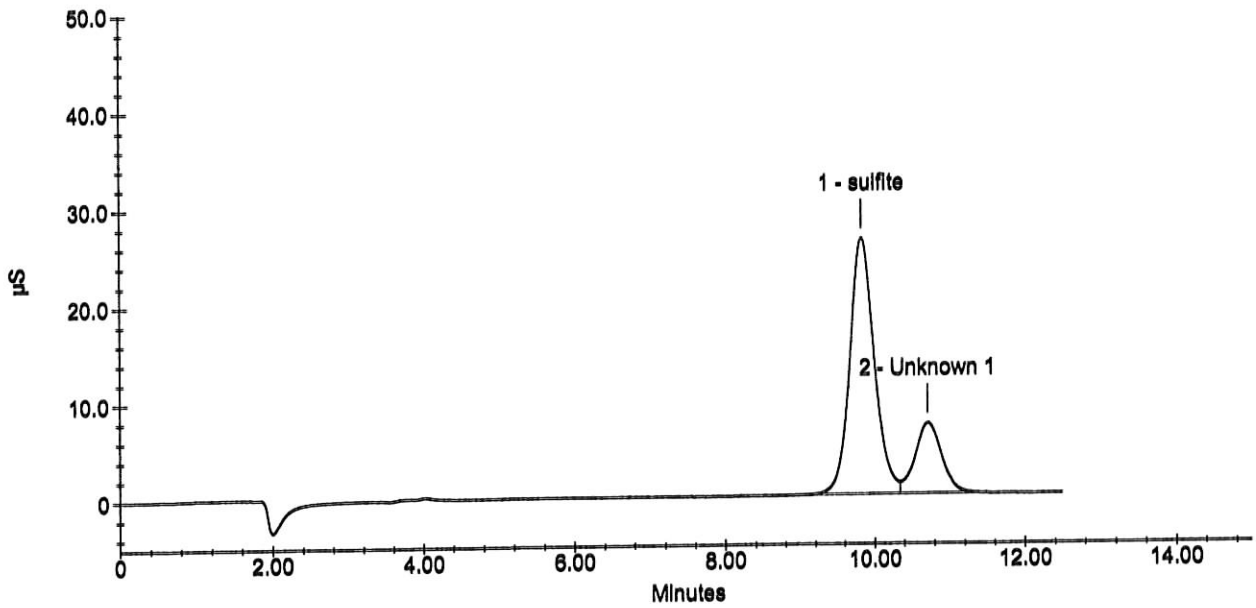
Sample Name : sulfite 090825 CCV 25.00PPM
Data File Name : i:\dionex\d1anions\data\090825a\090825a_026.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 8/25/09 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 : 090908AICAL#1
Data File Name : I:\dionex\d1anions\data\090908a\090908a_022.DXD

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

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

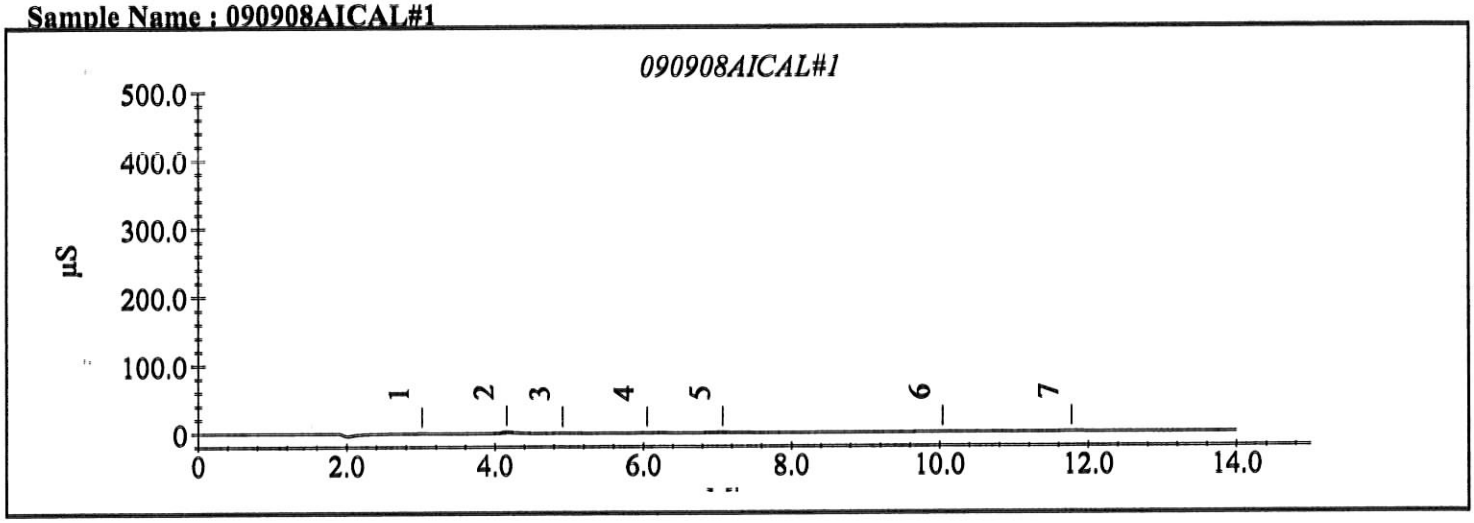
Peak Information : All Components

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

Peak Information : All Components

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

Sample Name : 090908AICAL#1



Calibration Update Report

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

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

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

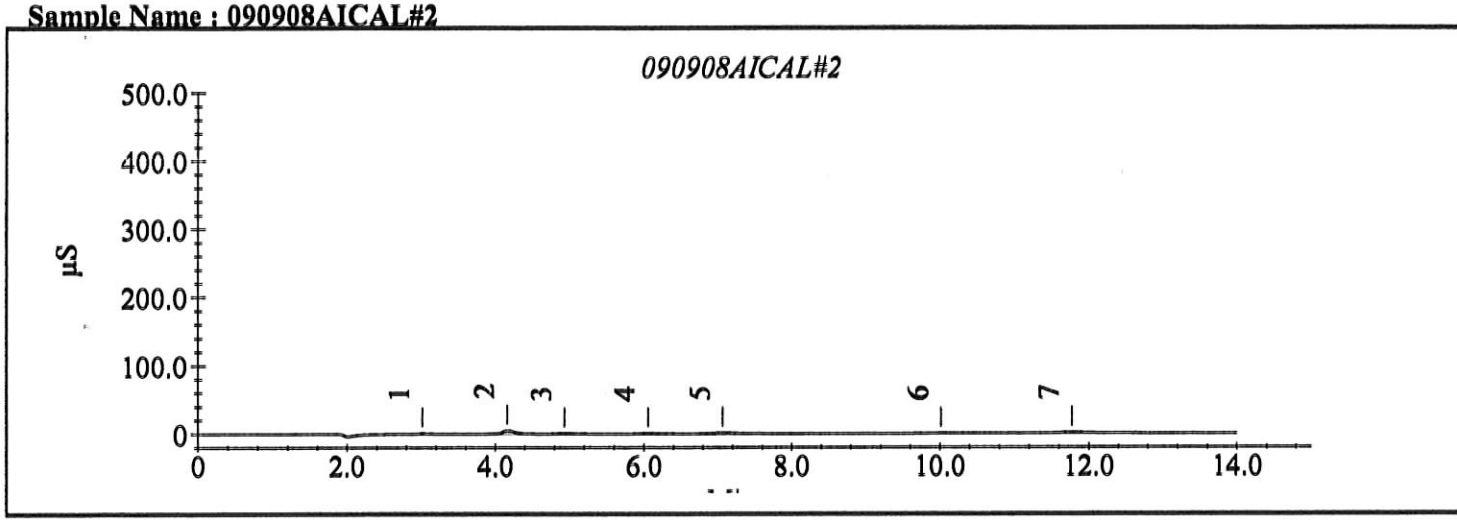
Peak Information : All Components

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

Peak Information : All Components

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

Sample Name : 090908AICAL#2



Calibration Update Report

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

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

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

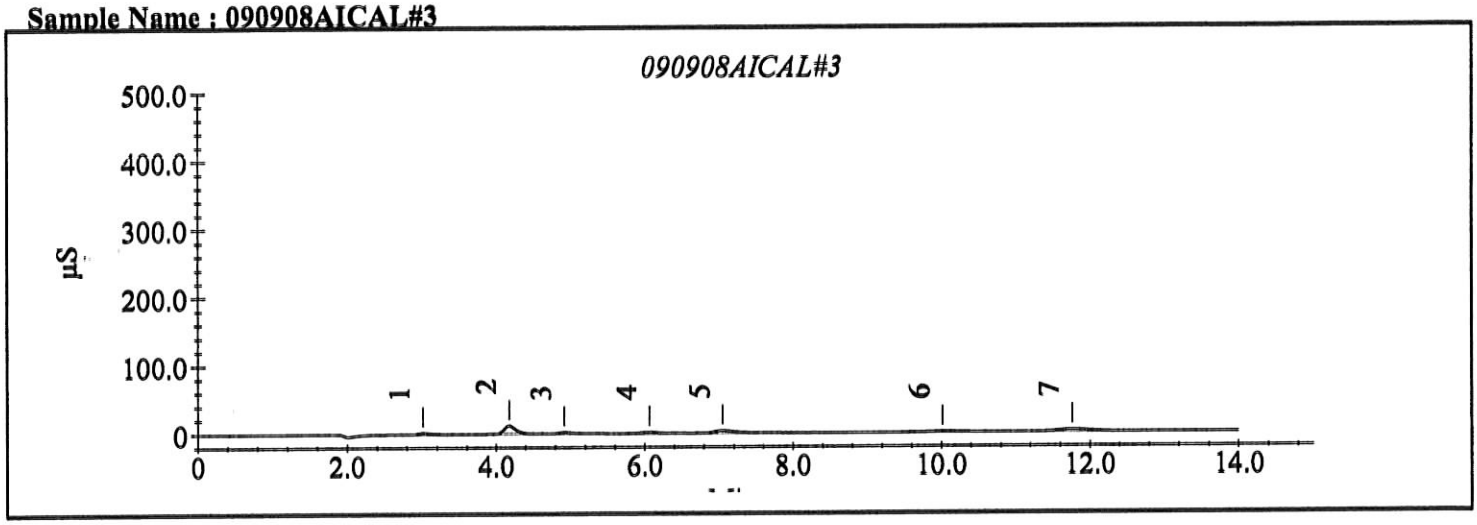
Peak Information : All Components

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

Peak Information : All Components

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

Sample Name : 090908AICAL#3



Calibration Update Report

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

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

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

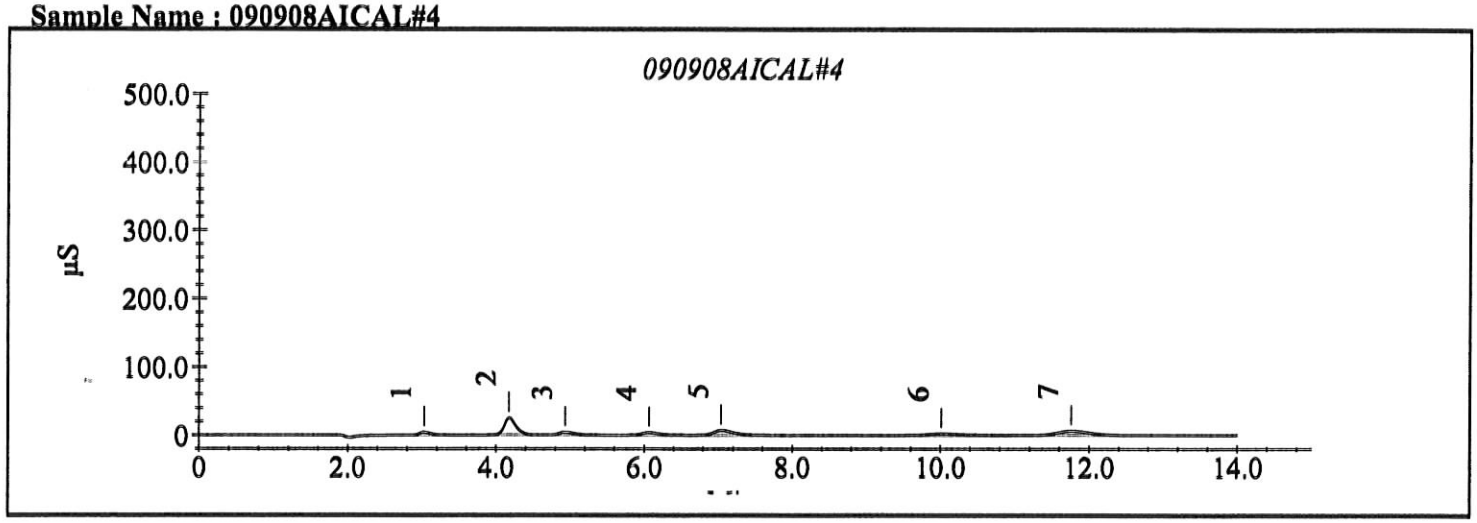
Peak Information : All Components

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

Peak Information : All Components

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

Sample Name : 090908AICAL#4



Calibration Update Report

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

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

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

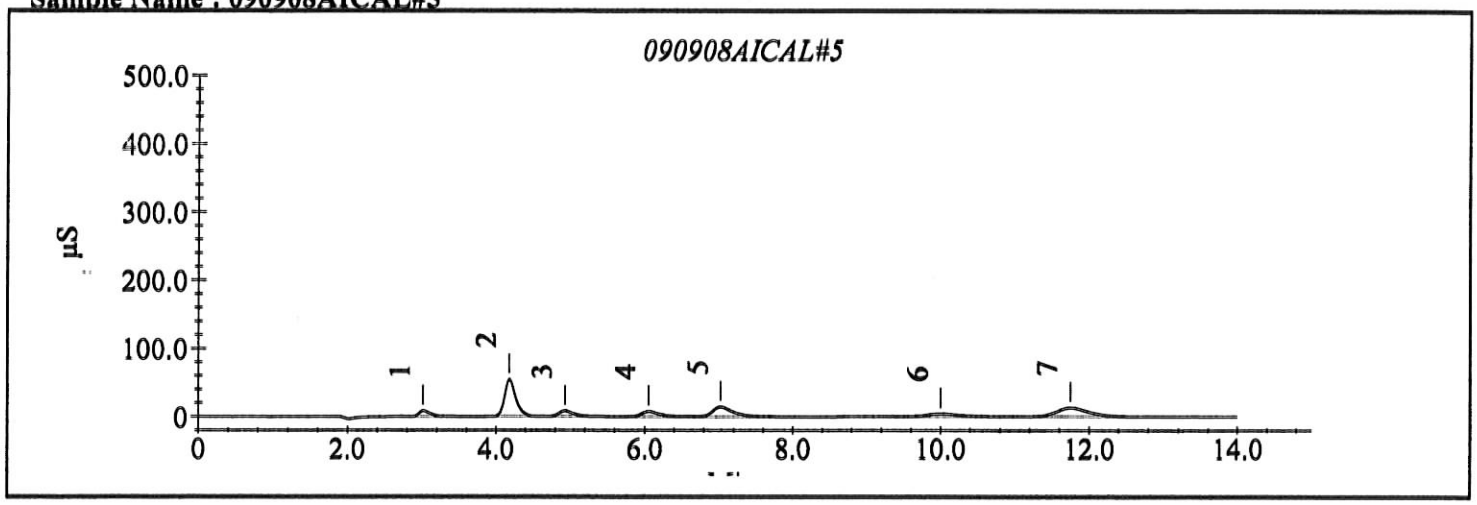
Peak Information : All Components

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

Peak Information : All Components

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

Sample Name : 090908AICAL#5



Calibration Update Report

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

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

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

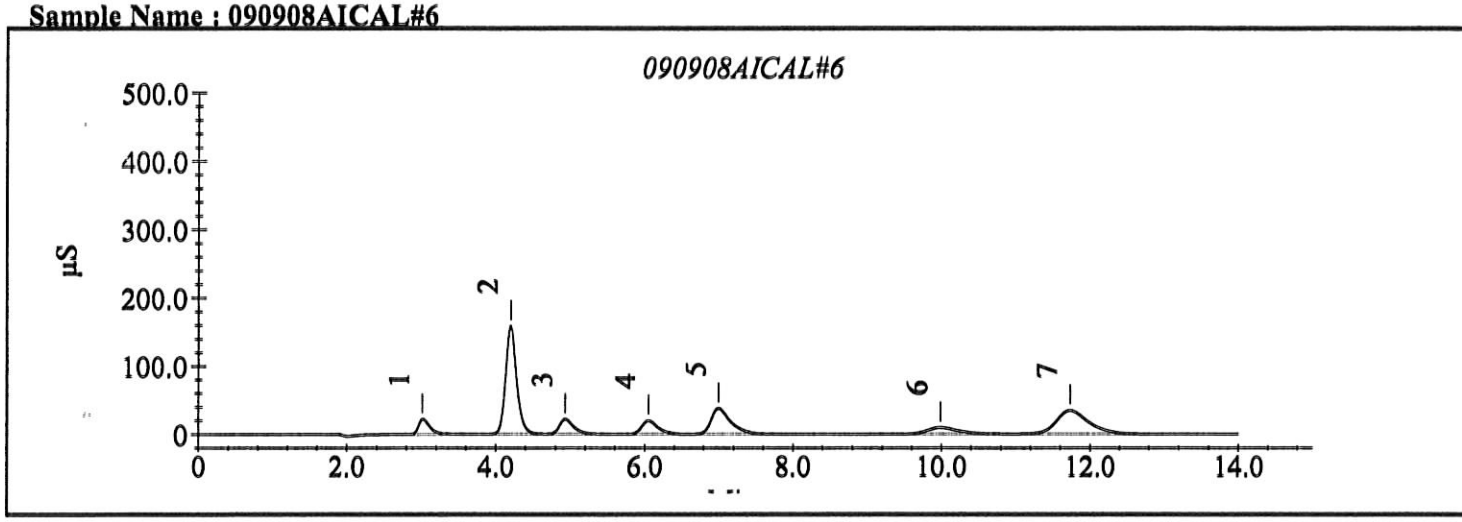
Peak Information : All Components

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

Peak Information : All Components

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

Sample Name : 090908AICAL#6



Calibration Update Report

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

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

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

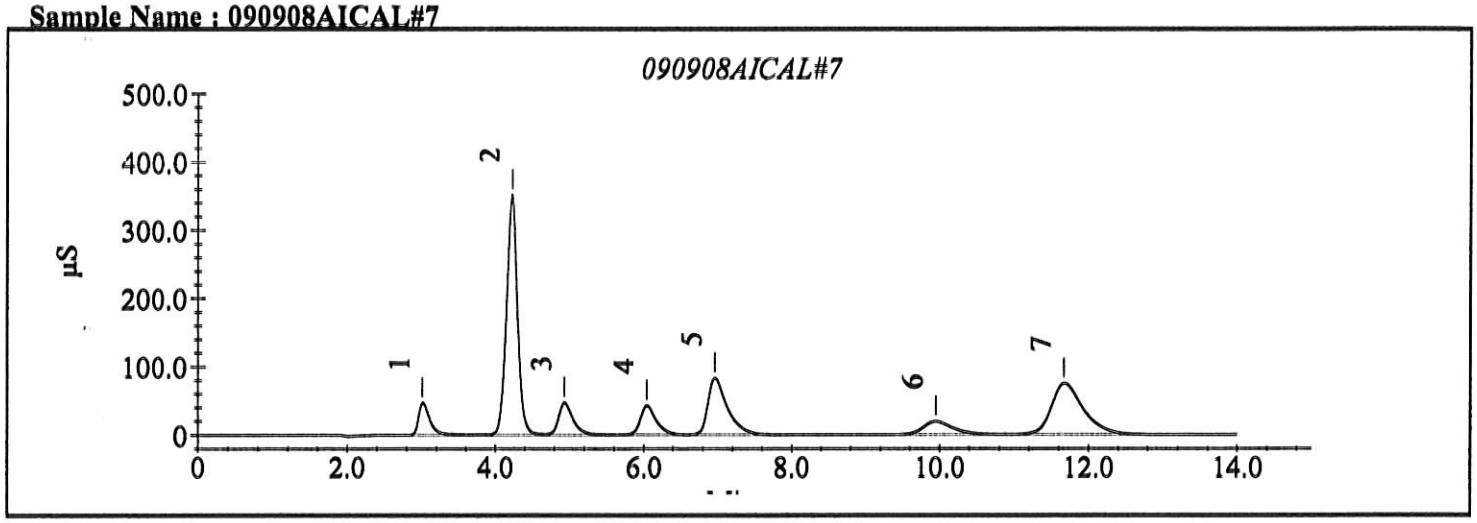
Peak Information : All Components

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

Peak Information : All Components

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

Sample Name : 090908AICAL#7



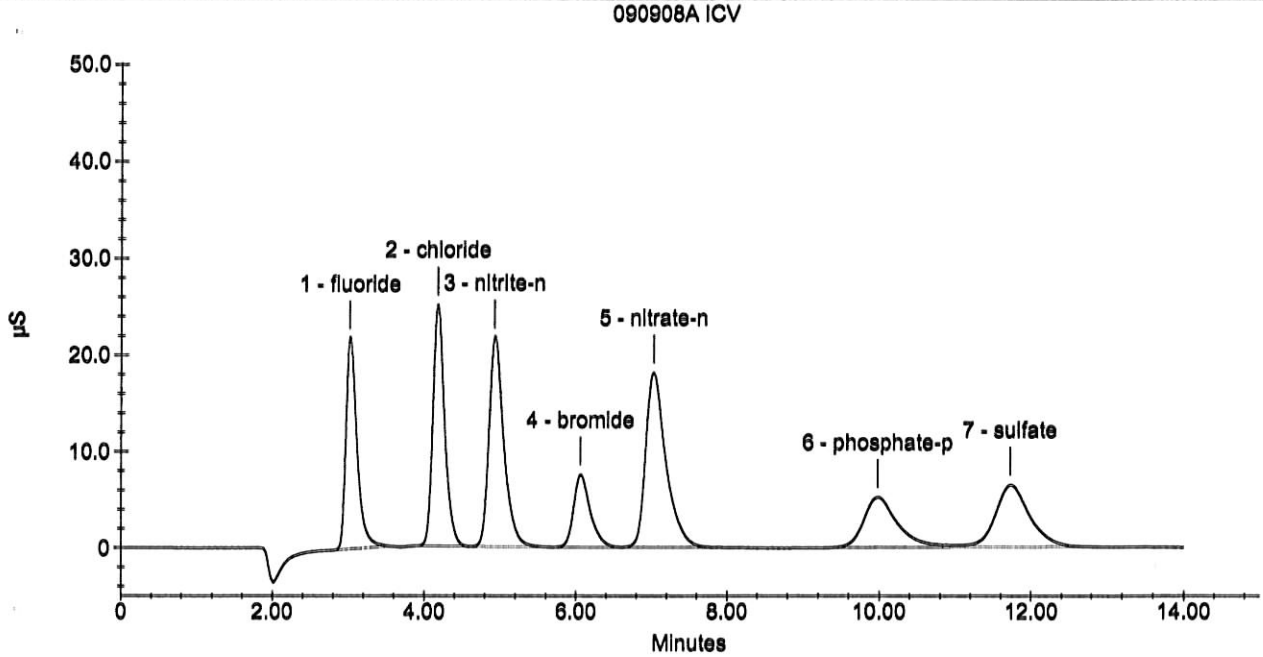
Sample Analysis Report

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

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

Peak Information : All Peaks

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



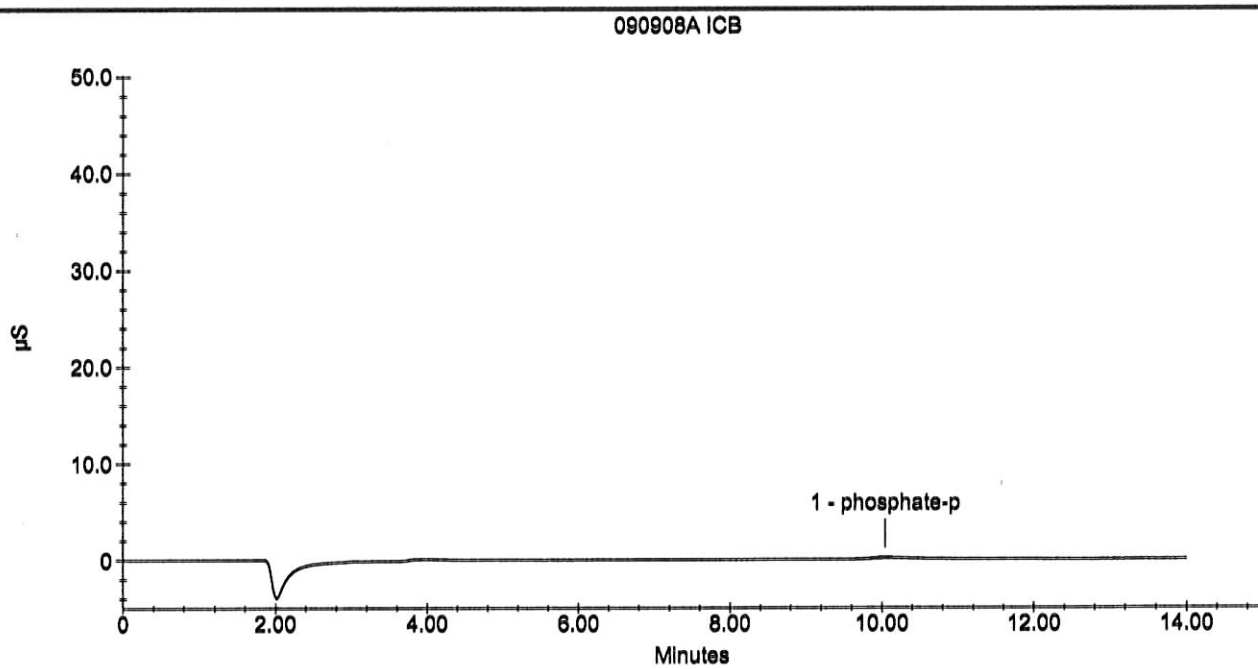
Sample Analysis Report

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

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

Peak Information : All Peaks

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



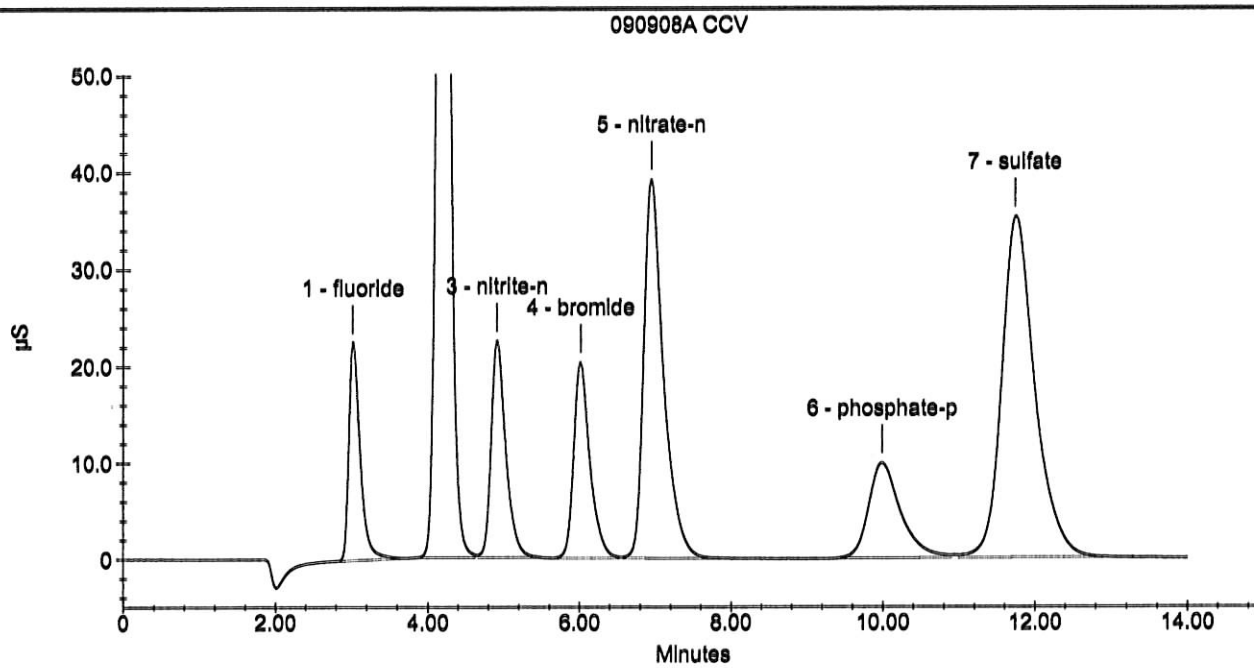
Sample Analysis Report

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

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

Peak Information : All Peaks

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



APPL, Inc.

Current Date : 9/9/09
Current Time : 08:43:33

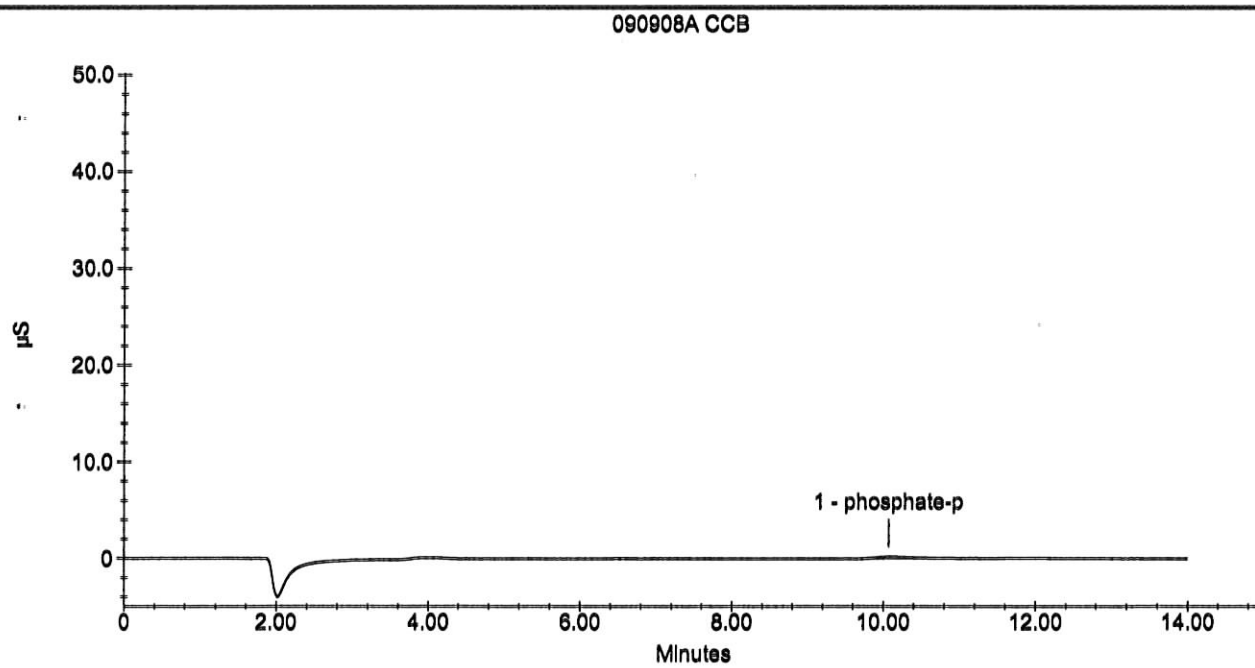
Sample Analysis Report

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

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

Peak Information : All Peaks

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



APPL, Inc.

Current Date : 9/9/09
Current Time : 08:46:54

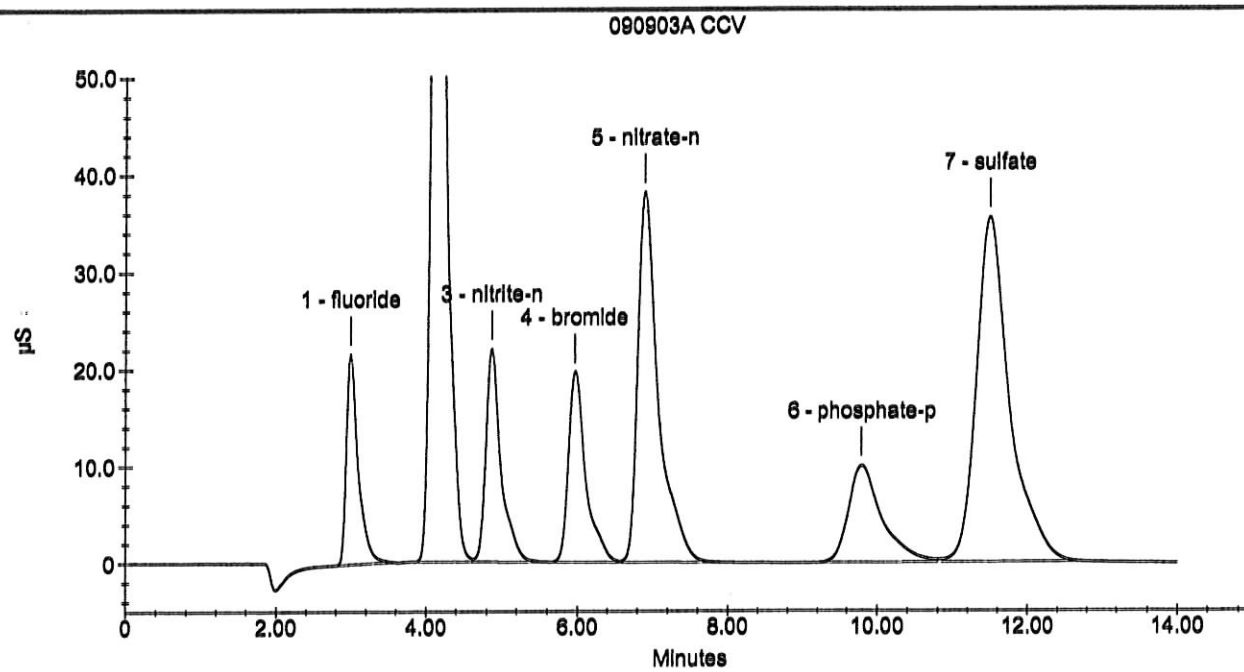
Sample Analysis Report

Sample Name : 090903A CCV
Data File Name : i:\dionex\d1anions\data\090903a\090903A_002.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/3/09 09:20:07
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	2.99	fluoride	2.3446	2378656	216329	
2	4.13	chloride	22.7896	16800949	1553850	
3	4.87	nitrite-n	2.3653	3072358	219046	
4	5.96	bromide	11.6886	3118474	195146	
5	6.89	nitrate-n	4.5958	7263329	379955	
6	9.79	phosphate-p	4.6061	3047071	99129	
7	11.49	sulfate	23.1720	10970299	354224	



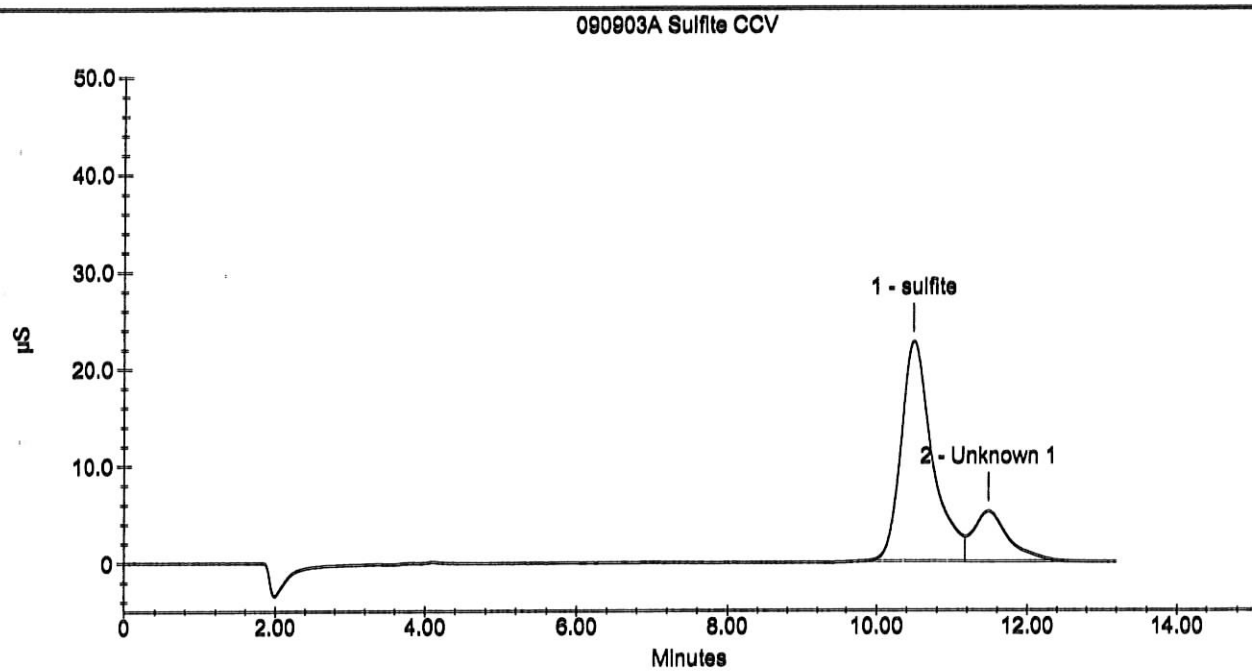
Sample Analysis Report

Sample Name : 090903A Sulfite CCV
Data File Name : i:\dionex\d1anions\data\090903a\090903A_003.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/3/09 09:37:06
System Operator : pd
Injection Number : 3
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.48	sulfite	26.7375	6502489	225024	
2	11.48	Unknown 1	0.0000	1645839	50979	



Sample Analysis Report

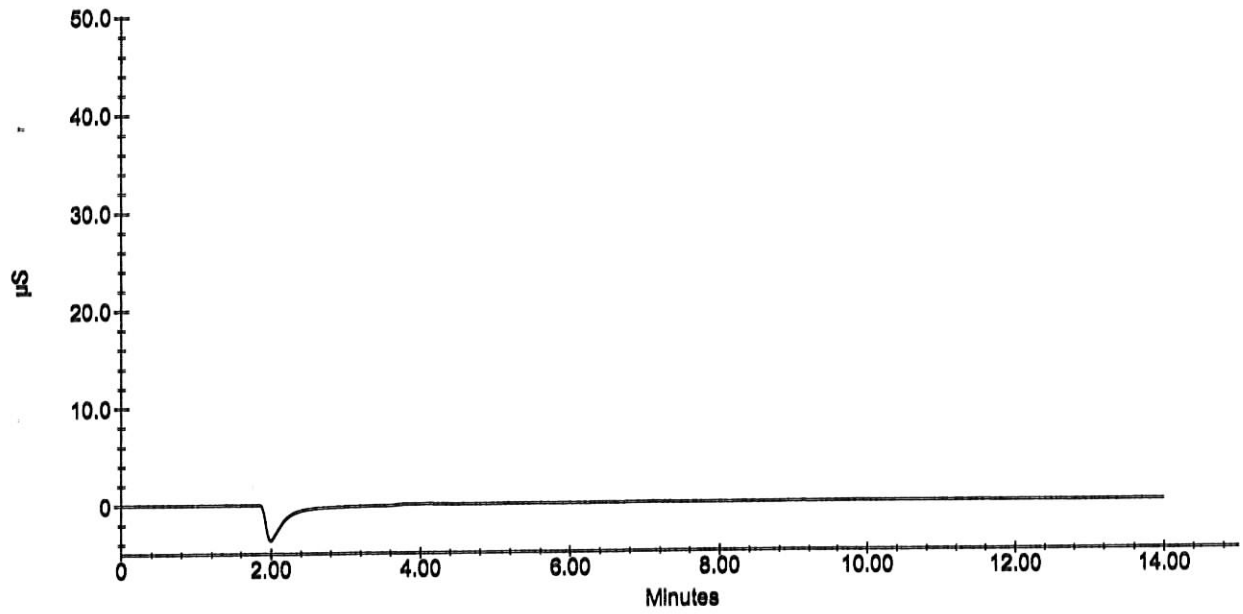
Sample Name : 090903A 300/Sulfite BLK
Data File Name : i:\dionex\d1anions\data\090903a\090903A_005.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/3/09 10:09:30
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

090903A 300/Sulfite BLK



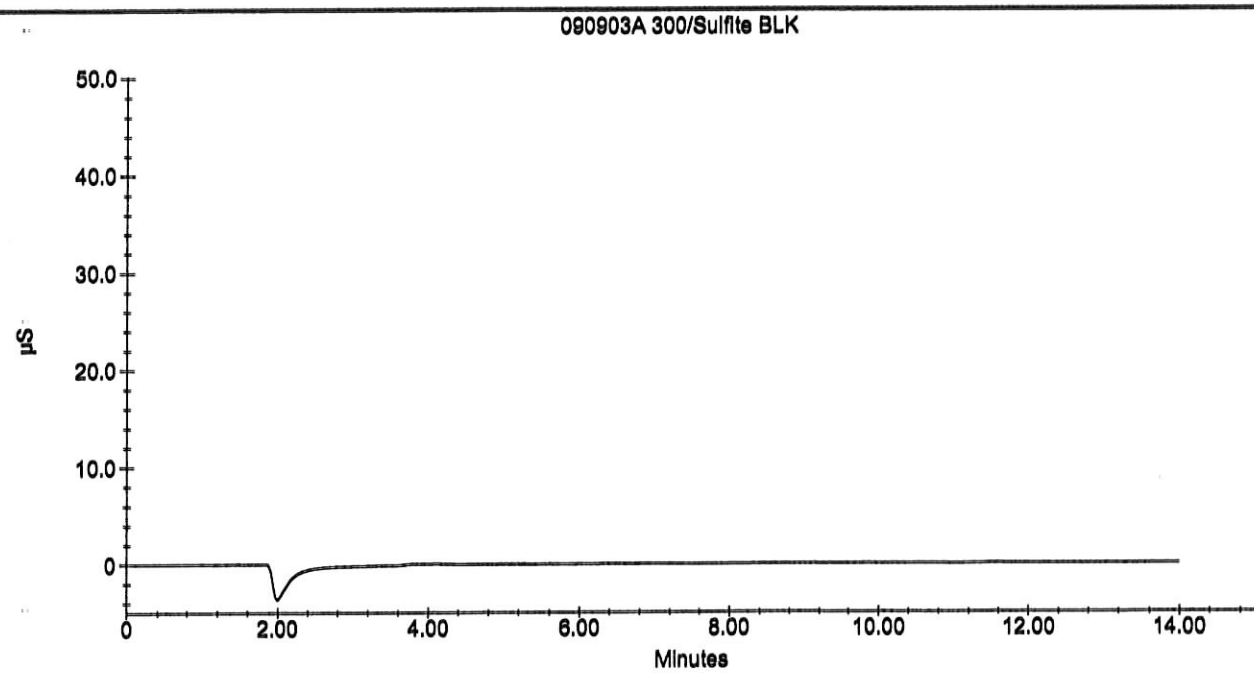
Sample Analysis Report

Sample Name : 090903A 300/Sulfite BLK
Data File Name : i:\dionex\d1anions\data\090903a\090903A_005.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/3/09 10:09:30
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



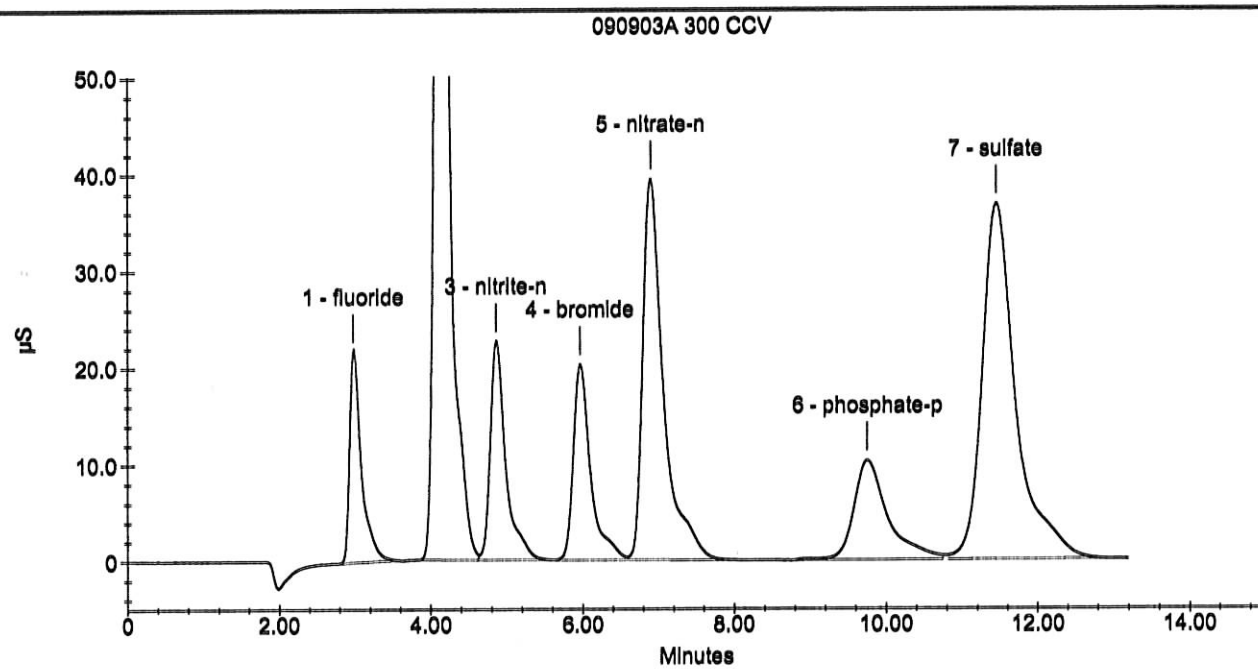
Sample Analysis Report

Sample Name : 090903A 300 CCV
Data File Name : i:\dionex\d1anions\data\090807a\090903A_023.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-01-09Low.met
Date Time Collected : 9/3/09 15:12:56
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	2.97	fluoride	2.3561	2390691	217230	
2	4.13	chloride	23.3689	17247092	1599272	
3	4.85	nitrite-n	2.4360	3165797	225202	
4	5.96	bromide	11.9978	3202369	201513	
5	6.89	nitrate-n	4.7160	7457841	393003	
6	9.75	phosphate-p	4.8192	3177379	102545	
7	11.44	sulfate	23.8807	11312085	366559	



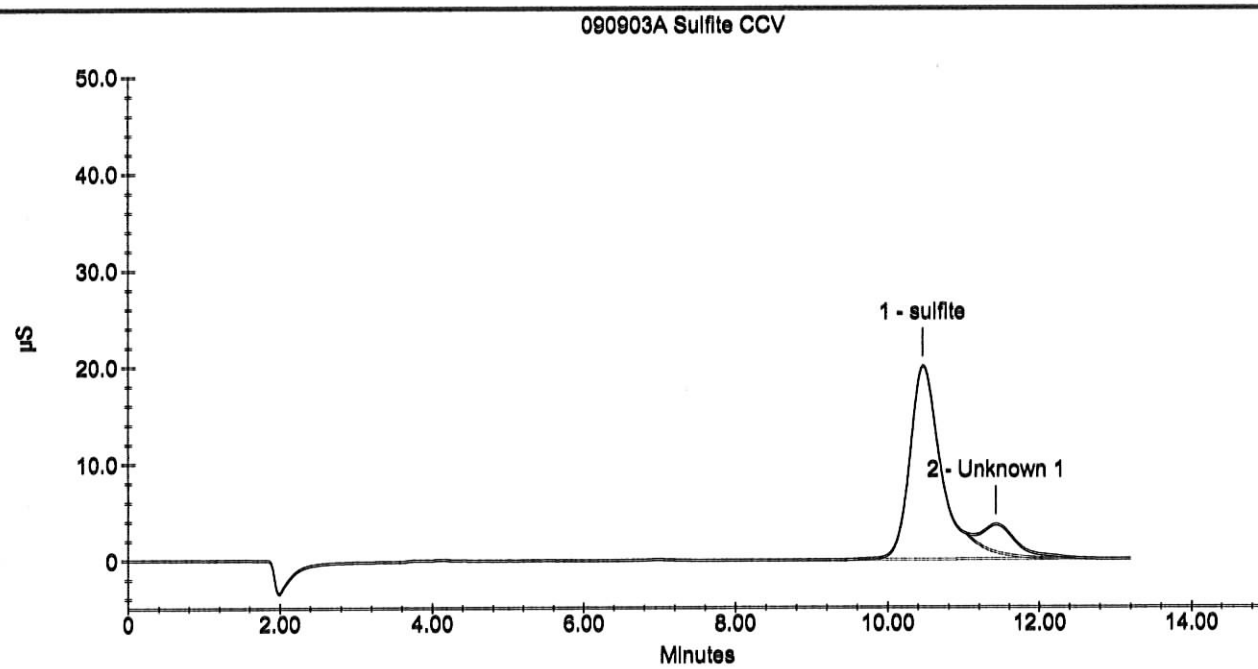
Sample Analysis Report

Sample Name : 090903A Sulfite CCV
Data File Name : i:\dionex\d1anions\data\090903a\090903A_024.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/3/09 15:30:37
System Operator : pd
Injection Number : 24
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.45	sulfite	24.5208	5964854	198796	
2	11.43	Unknown 1	0.0000	904427	28854	



Sample Analysis Report

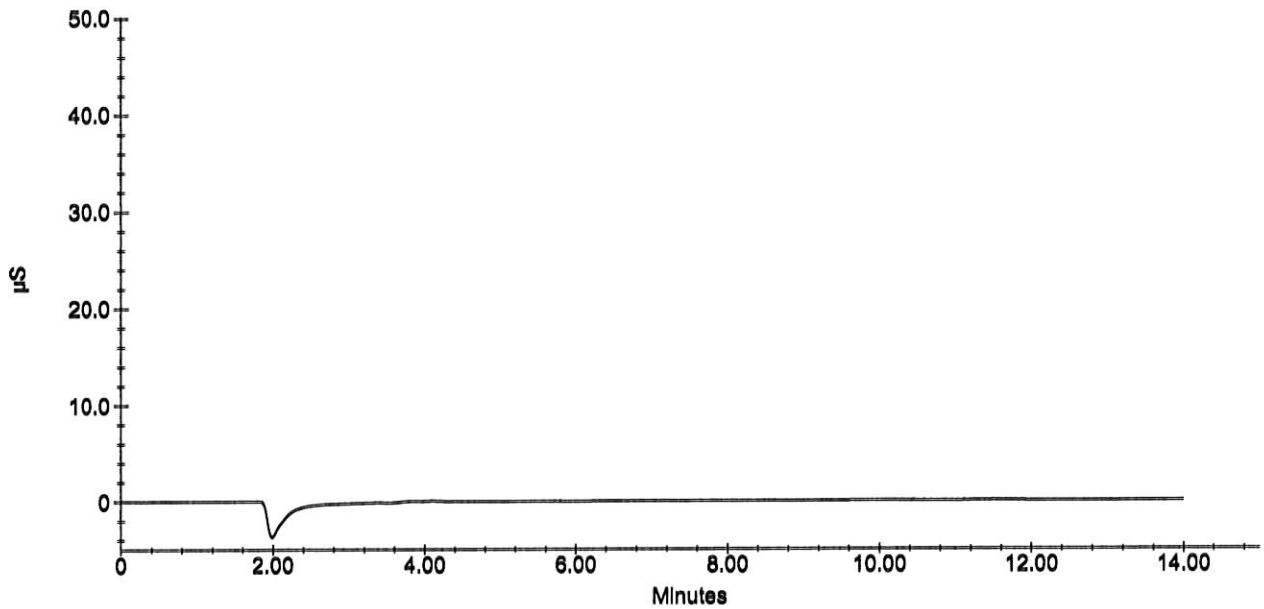
Sample Name : 090903A 300/Sulfite BLK
Data File Name : i:\dionex\d1anions\data\090903a\090903A_026.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/3/09 16:02:14
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

090903A 300/Sulfite BLK



Sample Analysis Report

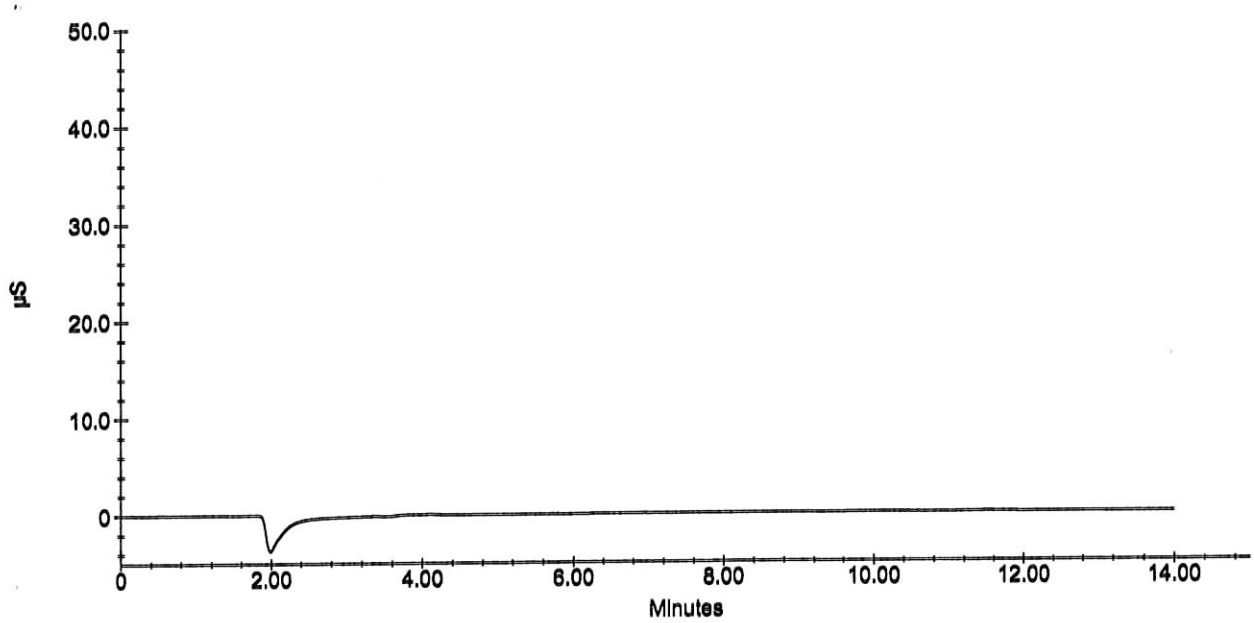
Sample Name : 090903A 300/Sulfite BLK
Data File Name : i:\dionex\d1anions\data\090903a\090903A_026.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/3/09 16:02:14
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

090903A 300/Sulfite BLK



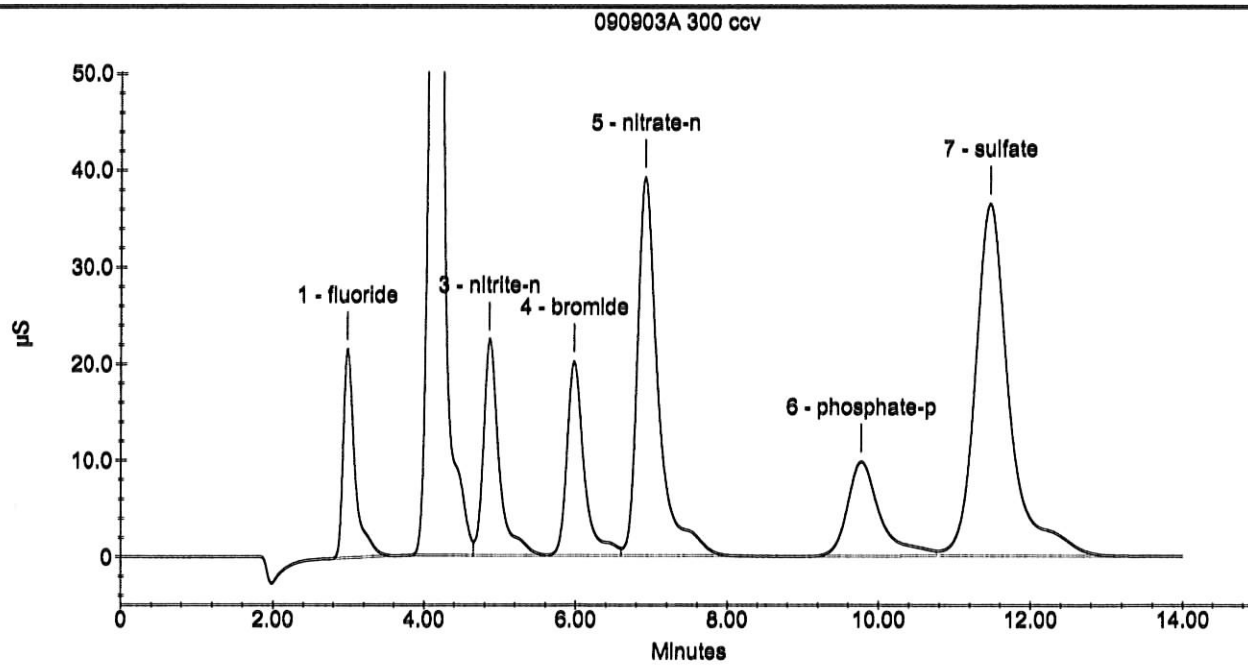
Sample Analysis Report

Sample Name : 090903A 300 ccv
Data File Name : i:\dionex\d1anions\data\090903a\090903A_038.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-01-09Low.met
Date Time Collected : 9/3/09 7:41:02 PM
System Operator : pd
Injection Number : 38
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	2.294	2326058	214994	
2	4.13	chloride	23.344	17227899	1578213	
3	4.85	nitrite-n	2.448	3182245	222394	
4	5.97	bromide	11.968	3194206	200212	
5	6.91	nitrate-n	4.736	7490810	390242	
6	9.76	phosphate-p	4.407	2925649	97091	
7	11.45	sulfate	23.873	11308213	363394	



Sample Analysis Report

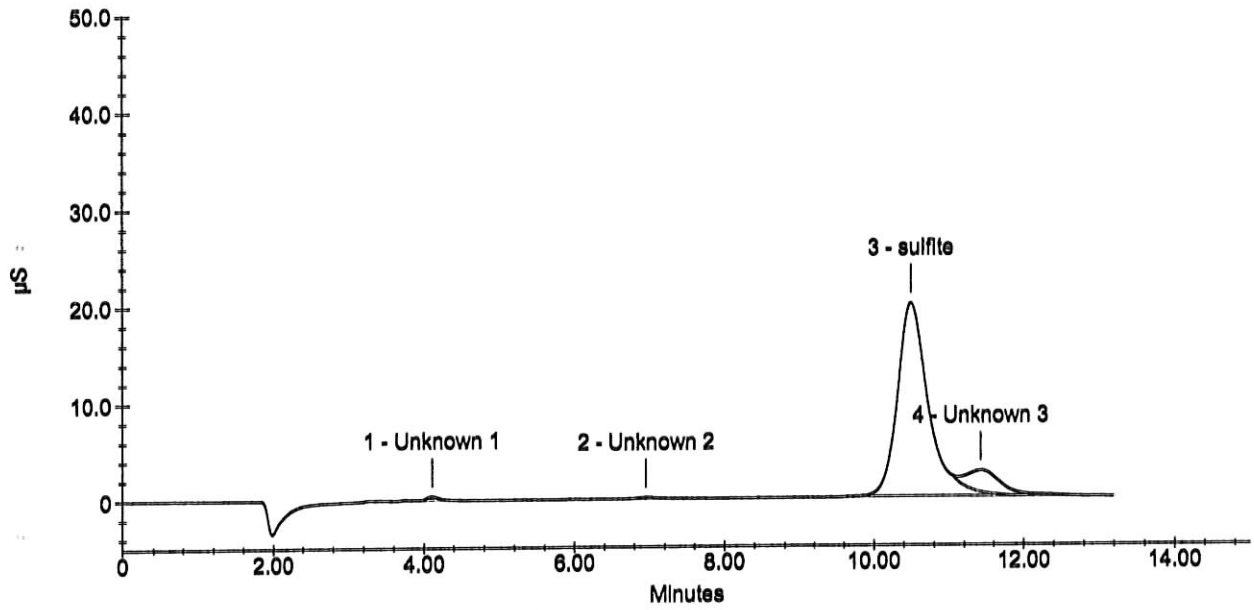
Sample Name : 090903A Sulfite CCV
Data File Name : i:\dionex\d1anions\data\090903a\090903A_043.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/3/09 20:52:29
System Operator : pd
Injection Number : 43
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	4.11	Unknown 1	0.0000	32104	3408	
2	6.96	Unknown 2	0.0000	13072	1020	
3	10.49	sulfite	23.3716	5686131	198583	
4	11.43	Unknown 3	0.0000	724434	22260	

090903A Sulfite CCV



Sample Analysis Report

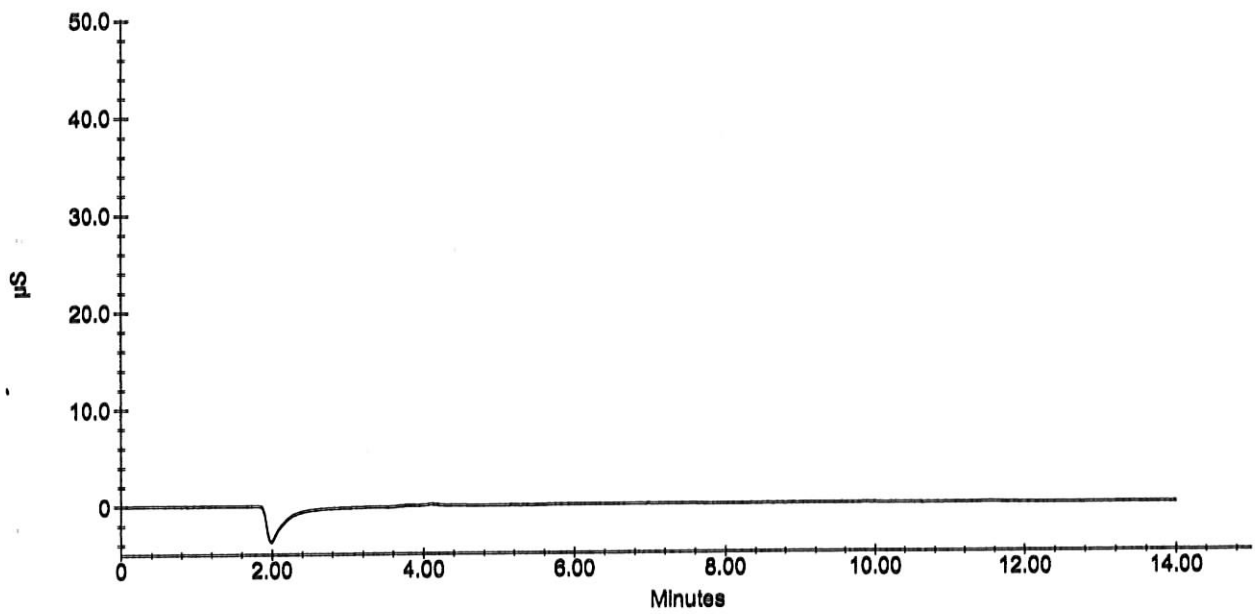
Sample Name : 090903A 300/Sulfite BLK
Data File Name : i:\dionex\d1anions\data\090903a\090903A_046.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/3/09 21:40:40
System Operator : pd
Injection Number : 46
Multiplier : 1.00

Peak Information : All Peaks

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

090903A 300/Sulfite BLK



Sample Analysis Report

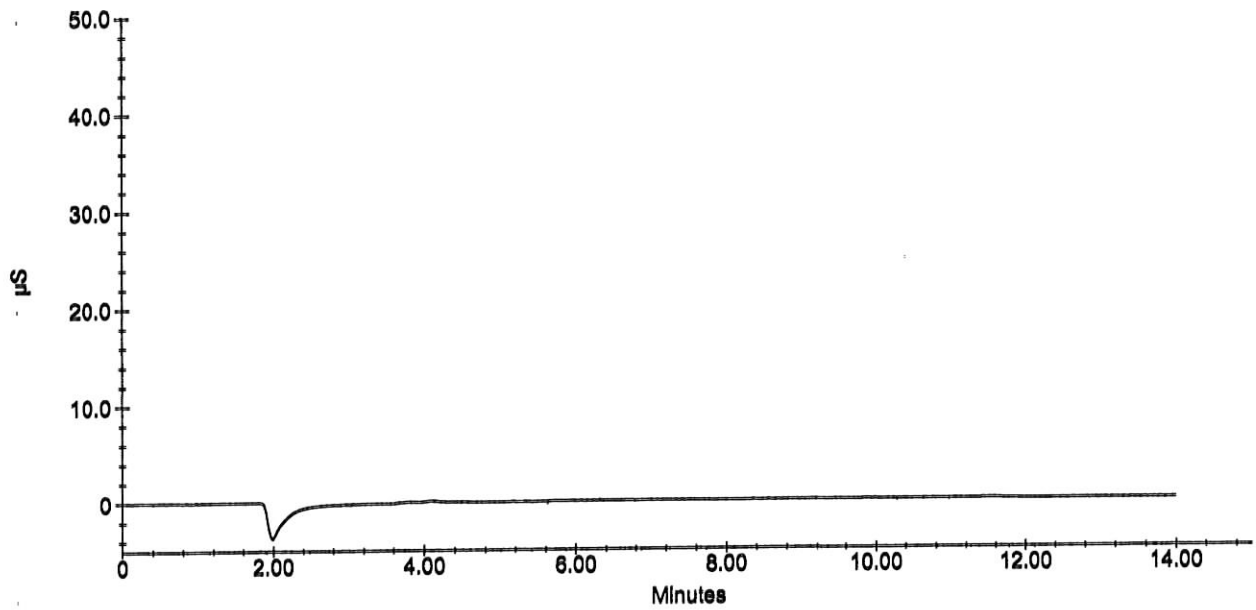
Sample Name : 090903A 300/Sulfite BLK
Data File Name : i:\dionex\d1anions\data\090903a\090903A_046.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/3/09 21:40:40
System Operator : pd
Injection Number : 46
Multiplier : 1.00

Peak Information : All Peaks

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

090903A 300/Sulfite BLK



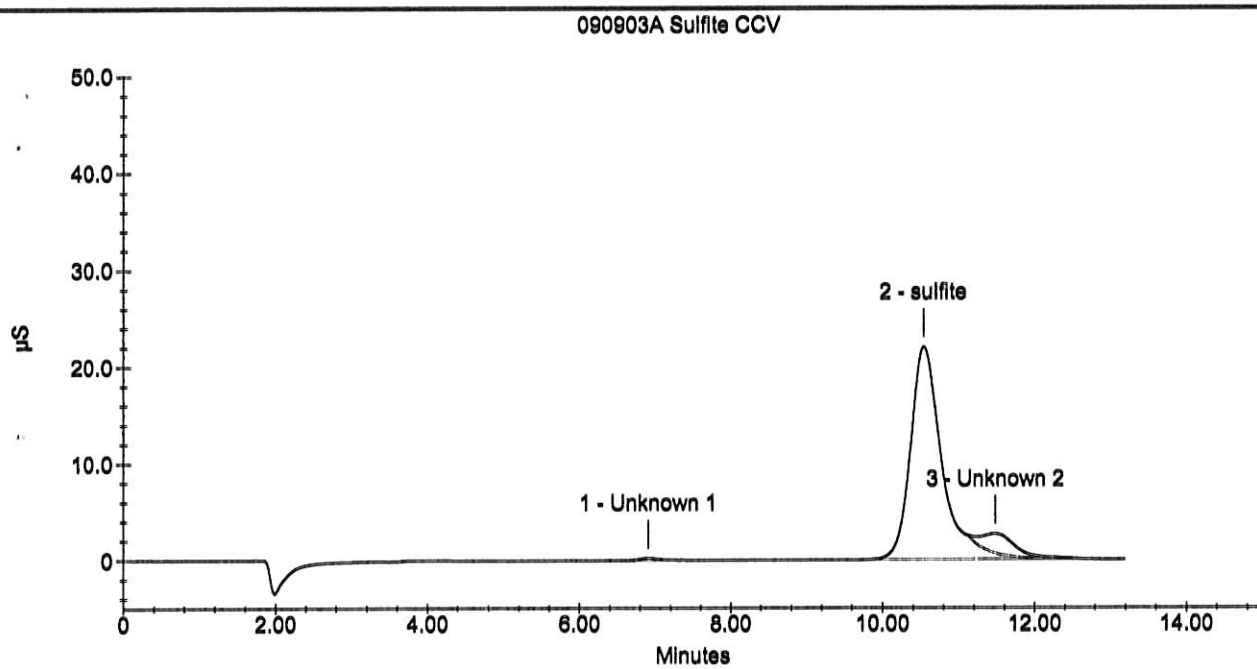
Sample Analysis Report

Sample Name : 090903A Sulfite CCV
Data File Name : i:\dionex\d1anions\data\090903a\090903A_057.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/4/09 01:38:50
System Operator : pd
Injection Number : 57
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	6.91	Unknown 1	0.0000	28108	1901	
2	10.53	sulfite	26.0613	6338486	219499	
3	11.48	Unknown 2	0.0000	623744	20124	



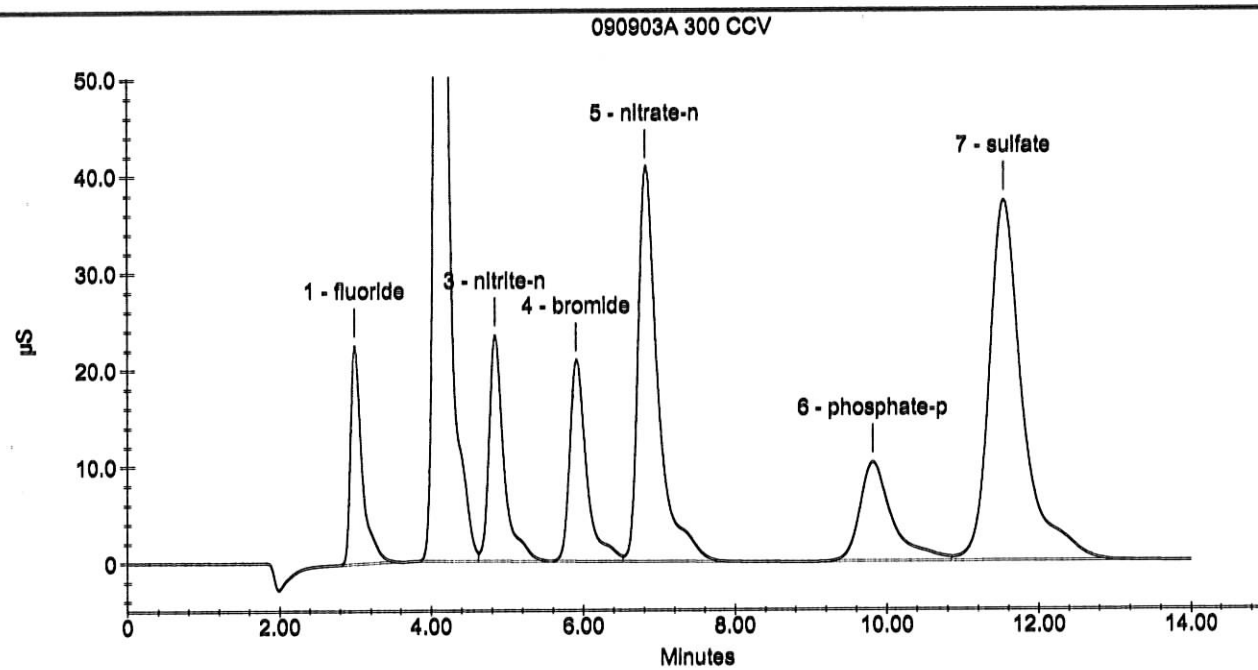
Sample Analysis Report

Sample Name : 090903A 300 CCV
Data File Name : i:\dionex\d1anions\data\090903a\090903A_058.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 01:54:42
System Operator : pd
Injection Number : 58
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	2.3366	2370236	224971	
2	4.12	chloride	23.3591	17239556	1605449	
3	4.84	nitrite-n	2.4443	3176729	232884	
4	5.91	bromide	12.0069	3204839	207224	
5	6.81	nitrate-n	4.7260	7474080	405797	
6	9.81	phosphate-p	4.6171	3053799	102073	
7	11.53	sulfate	23.8667	11305352	371621	



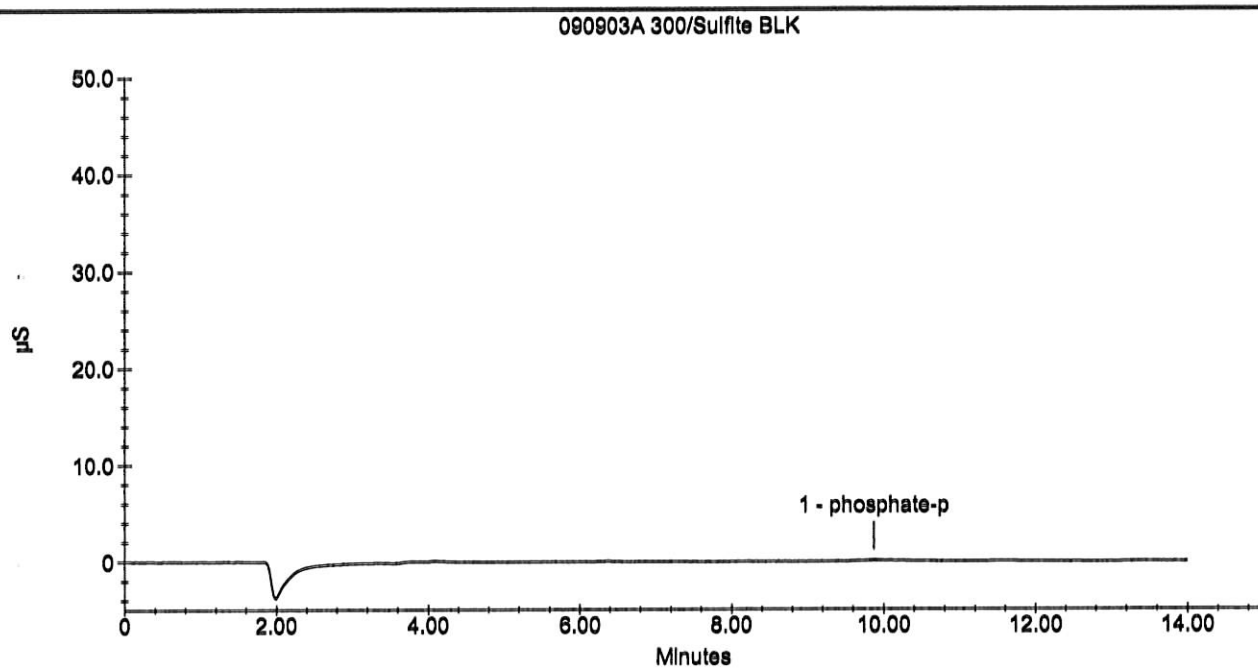
Sample Analysis Report

Sample Name : 090903A 300/Sulfite BLK
Data File Name : i:\dionex\d1anions\data\090903a\090903A_059.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 02:11:33
System Operator : pd
Injection Number : 59
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	9.87	phosphate-p	-0.3579	12236	683	-



Sample Analysis Report

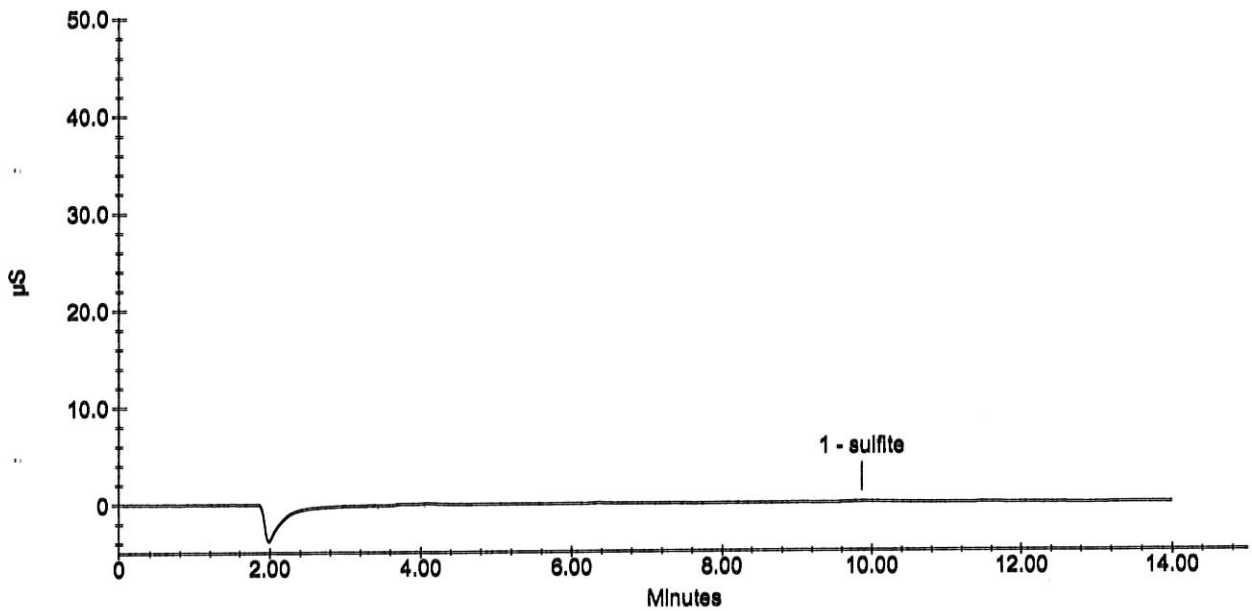
Sample Name : 090903A 300/Sulfite BLK
Data File Name : i:\dionex\d1anions\data\090903a\090903A_059.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 02:11:33
System Operator : pd
Injection Number : 59
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	9.87	sulfite	-0.0218	12236	683	-

090903A 300/Sulfite BLK



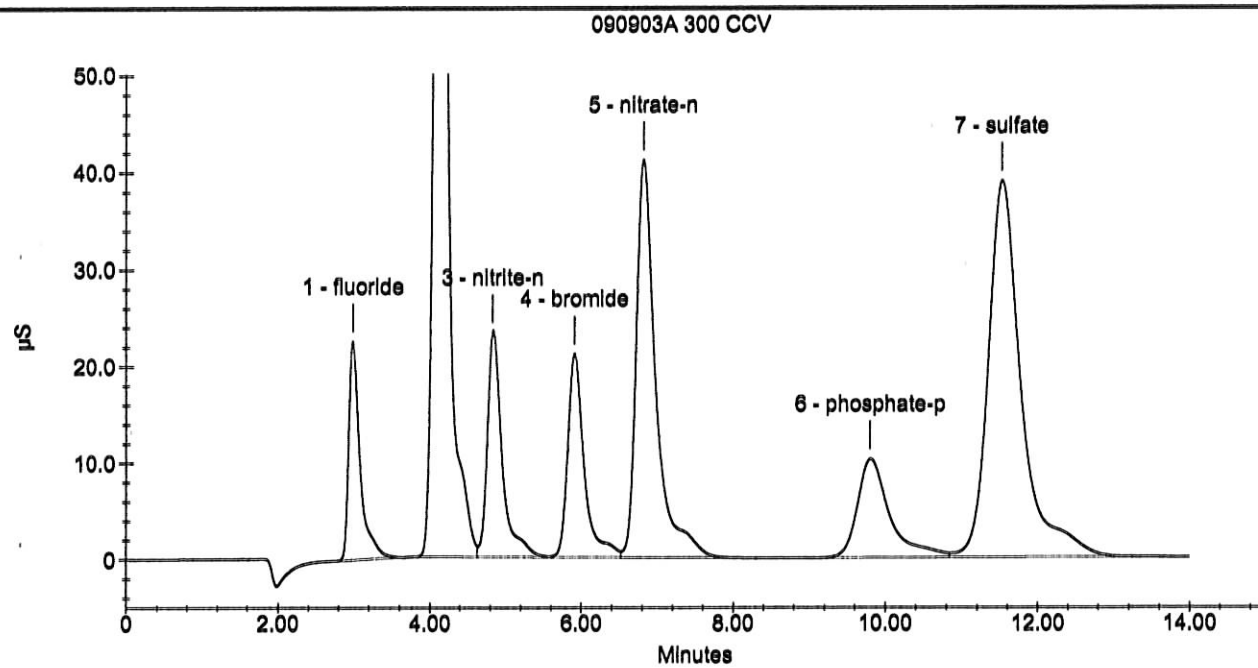
Sample Analysis Report

Sample Name : 090903A 300 CCV
Data File Name : i:\dionex\d1anions\data\090903a\090903A_071.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 05:30:54
System Operator : pd
Injection Number : 71
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	2.3258	2359016	225428	
2	4.12	chloride	23.4350	17297977	1630010	
3	4.83	nitrite-n	2.4459	3178871	231617	
4	5.91	bromide	11.9660	3193727	209960	
5	6.81	nitrate-n	4.6957	7424984	409809	
6	9.80	phosphate-p	4.5424	3008171	101821	
7	11.52	sulfate	24.5945	11656353	387969	



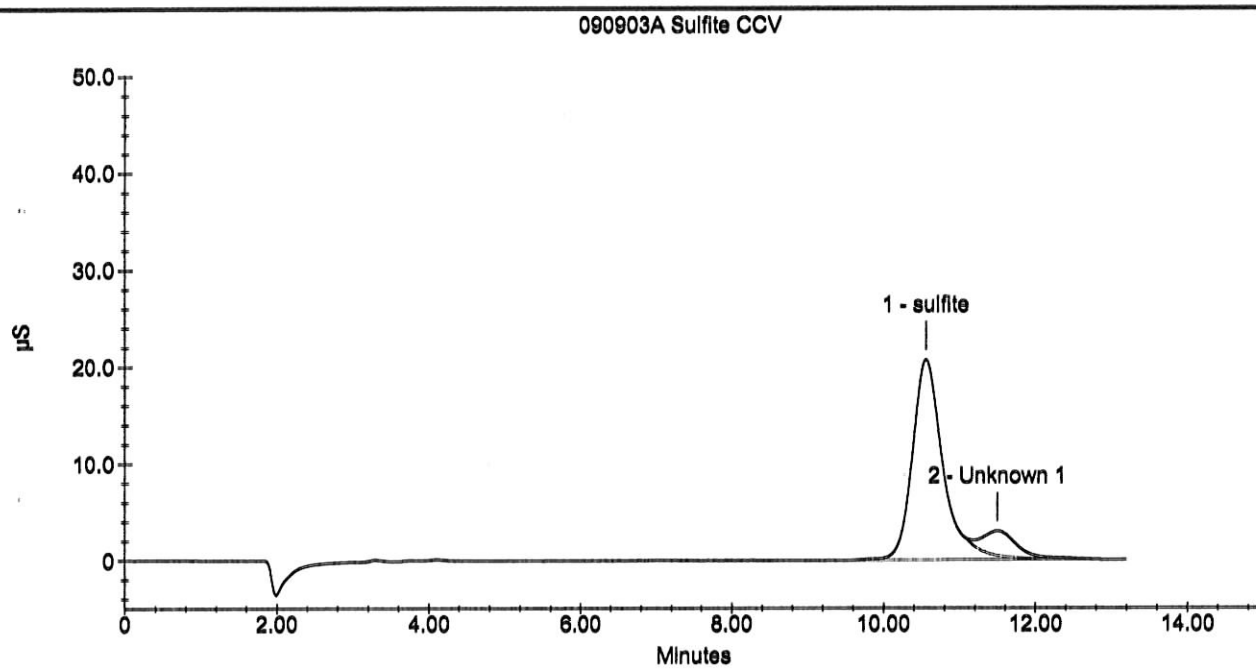
Sample Analysis Report

Sample Name : 090903A Sulfite CCV
Data File Name : i:\dionex\d1anions\data\090903a\090903A_073.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/4/09 06:04:32
System Operator : pd
Injection Number : 73
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.55	sulfite	23.9517	5826822	206129	
2	11.49	Unknown 1	0.0000	803232	25440	



Sample Analysis Report

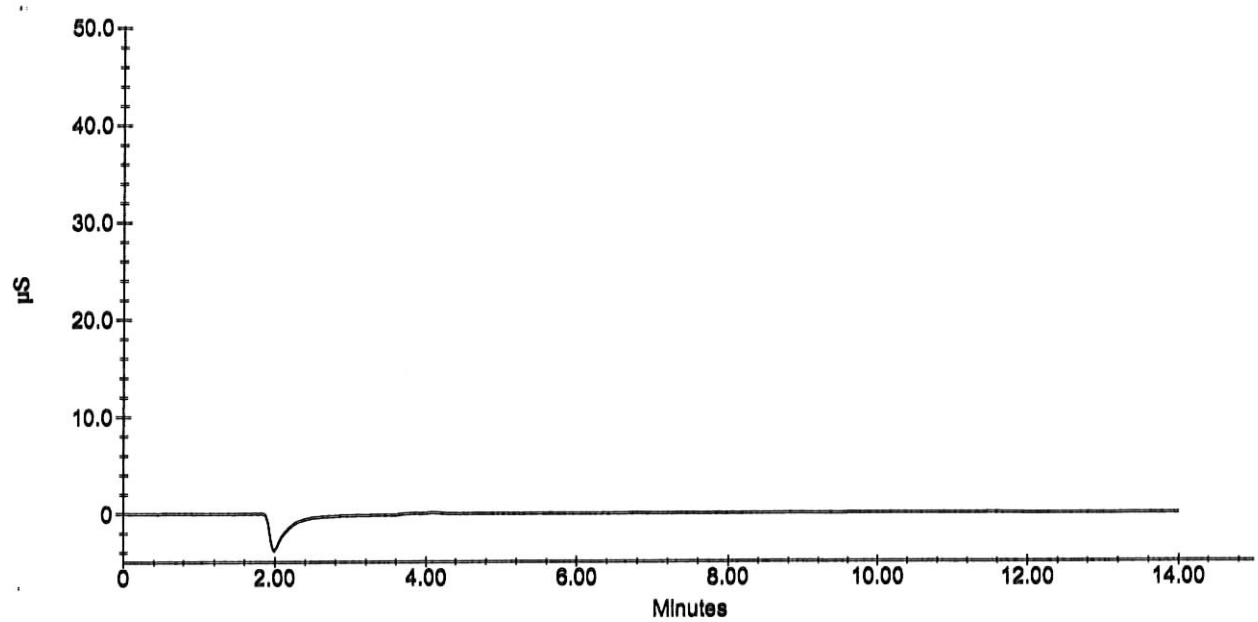
Sample Name : 090903A 300/Sulfite BLK
Data File Name : i:\dionex\d1anions\data\090903a\090903A_075.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 06:36:12
System Operator : pd
Injection Number : 75
Multiplier : 1.00

Peak Information : All Peaks

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

090903A 300/Sulfite BLK



Sample Analysis Report

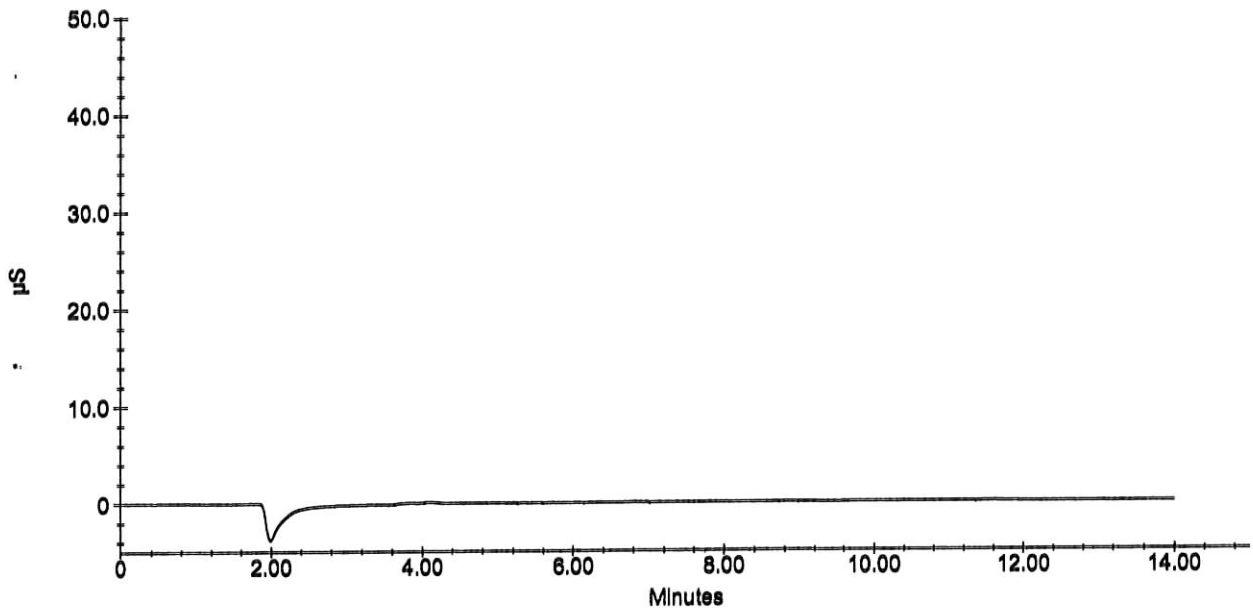
Sample Name : 090903A 300/Sulfite BLK
Data File Name : i:\dionex\d1anions\data\090903a\090903A_075.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 06:36:12
System Operator : pd
Injection Number : 75
Multiplier : 1.00

Peak Information : All Peaks

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

090903A 300/Sulfite BLK



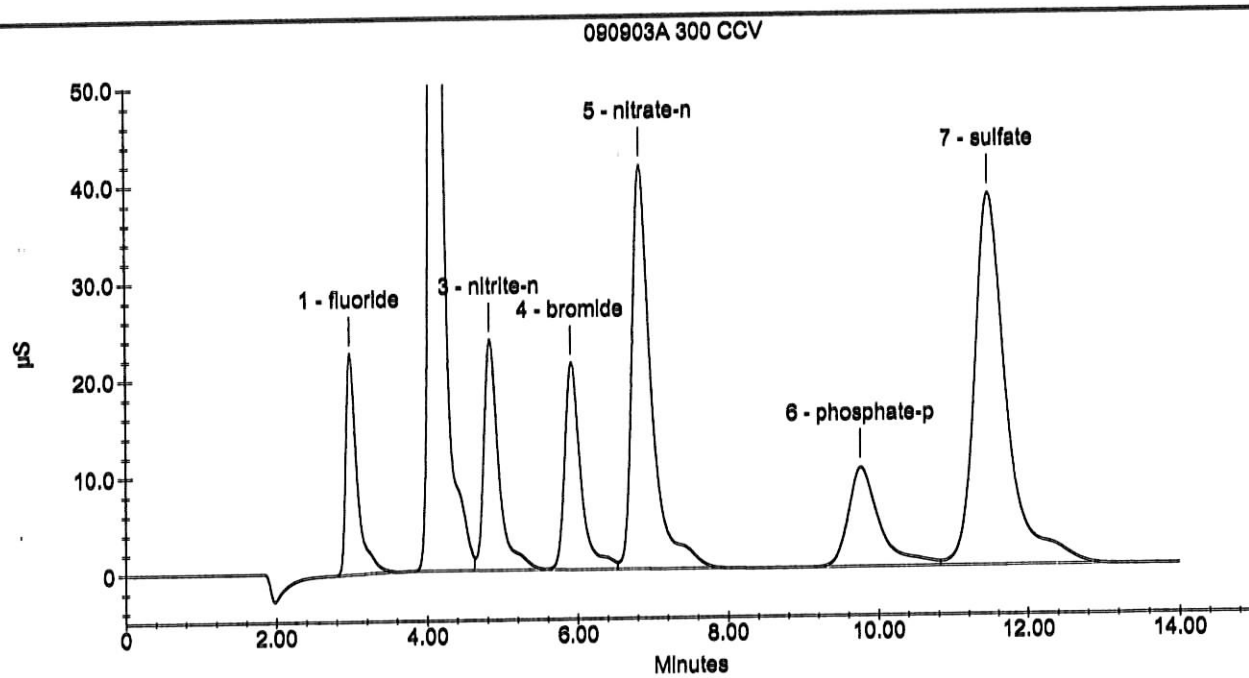
Sample Analysis Report

Sample Name : 090903A 300 CCV
Data File Name : i:\dionex\d1anions\data\090903a\090903A_087.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 09:55:44
System Operator : pd
Injection Number : 87
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	2.3220	2355062	225896	
2	4.12	chloride	23.5336	17373890	1670096	
3	4.83	nitrite-n	2.4757	3218344	235440	
4	5.91	bromide	12.0489	3216227	211058	
5	6.83	nitrate-n	4.7579	7525745	414293	
6	9.76	phosphate-p	4.4901	2976187	101654	
7	11.47	sulfate	24.0427	11390219	381664	



Sample Analysis Report

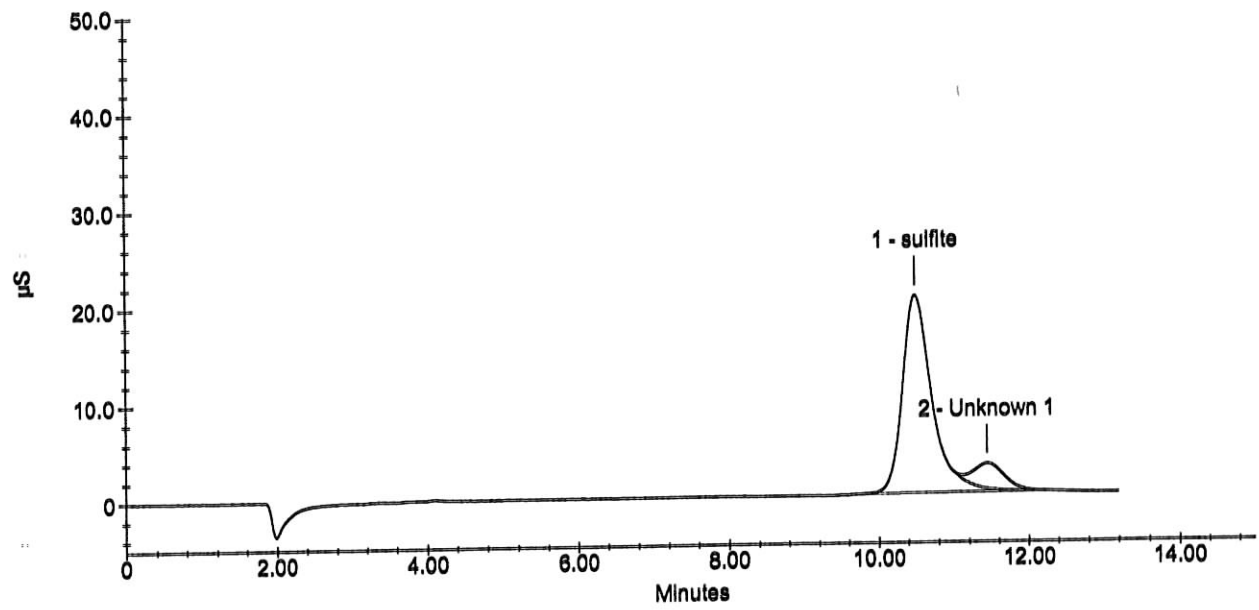
Sample Name : 090903A Sulfite CCV
Data File Name : i:\dionex\d1anions\data\090903a\090903A_088.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/4/09 10:12:34
System Operator : pd
Injection Number : 88
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.49	sulfite	22.9274	5578377	203480	
2	11.44	Unknown 1	0.0000	734937	25831	

090903A Sulfite CCV



Sample Analysis Report

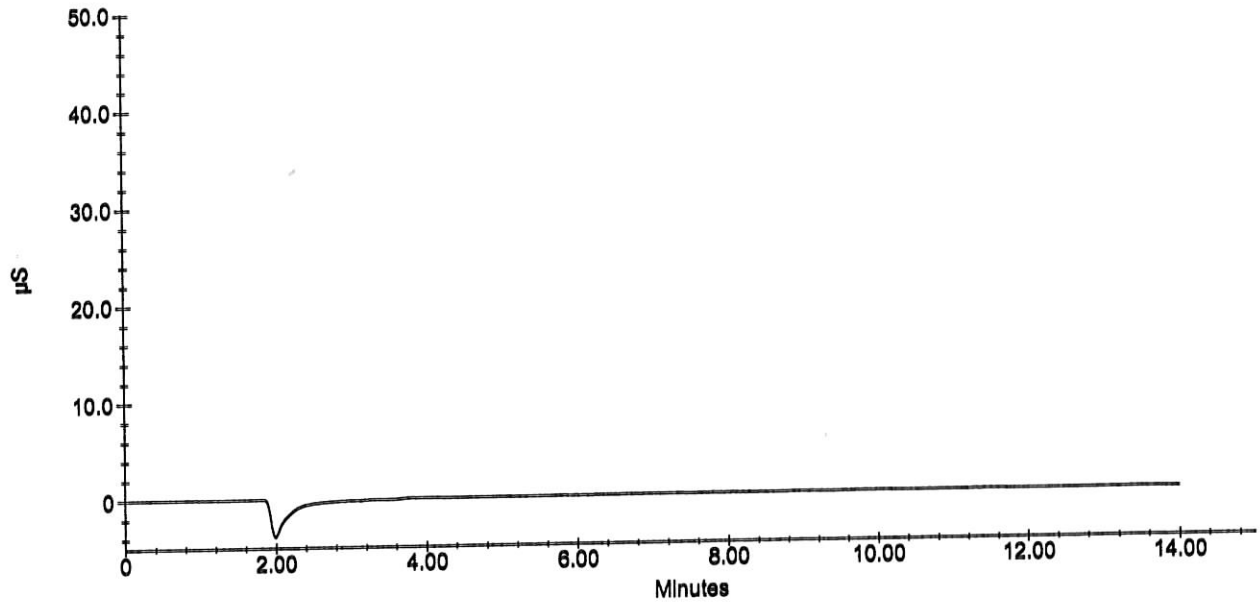
Sample Name : 090903A 300/Sulfite BLK
Data File Name : i:\dionex\d1anions\data\090903a\090903A_089.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 10:28:20
System Operator : pd
Injection Number : 89
Multiplier : 1.00

Peak Information : All Peaks

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

090903A 300/Sulfite BLK



Sample Analysis Report

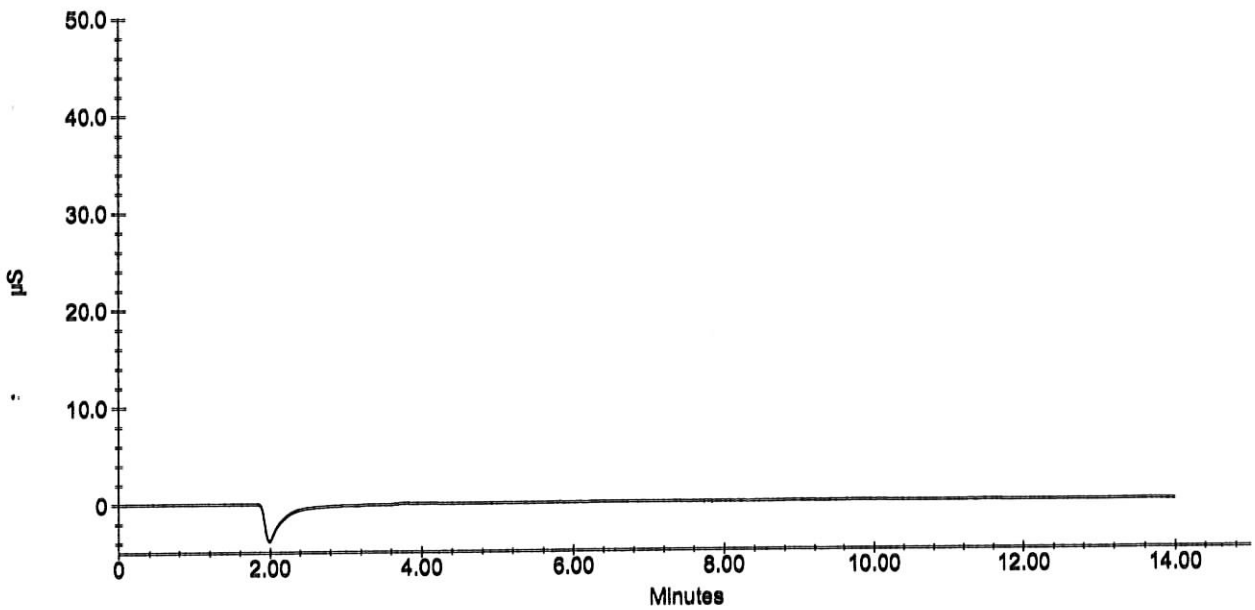
Sample Name : 090903A 300/Sulfite BLK
Data File Name : i:\dionex\d1anions\data\090903a\090903A_089.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 10:28:20
System Operator : pd
Injection Number : 89
Multiplier : 1.00

Peak Information : All Peaks

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

090903A 300/Sulfite BLK



Sample Analysis Report

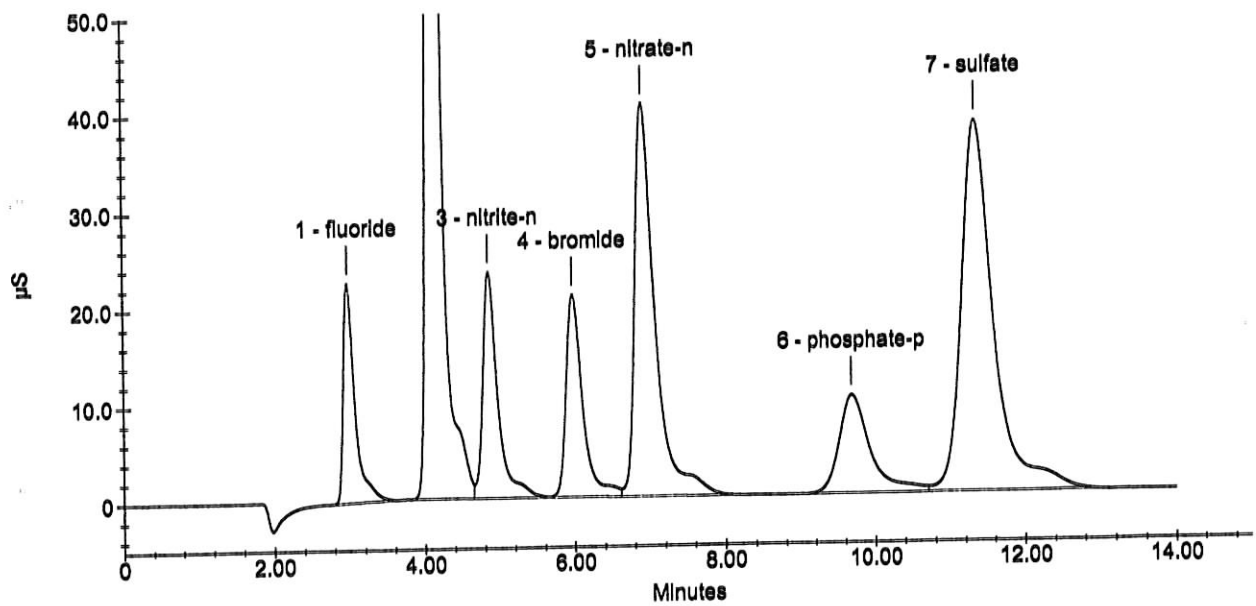
Sample Name : 090903A 300 CCV
Data File Name : i:\dionex\d1anions\data\090903a\090903A_100.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 13:31:18
System Operator : pd
Injection Number : 100
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	2.3432	2377225	226366	
2	4.12	chloride	23.5869	17414931	1637462	
3	4.85	nitrite-n	2.4701	3210921	232507	
4	5.97	bromide	12.0300	3211097	207860	
5	6.91	nitrate-n	4.7519	7515942	403740	
6	9.68	phosphate-p	4.4153	2930445	100996	
7	11.35	sulfate	24.0212	11379851	381729	

090903A 300 CCV



Sample Analysis Report

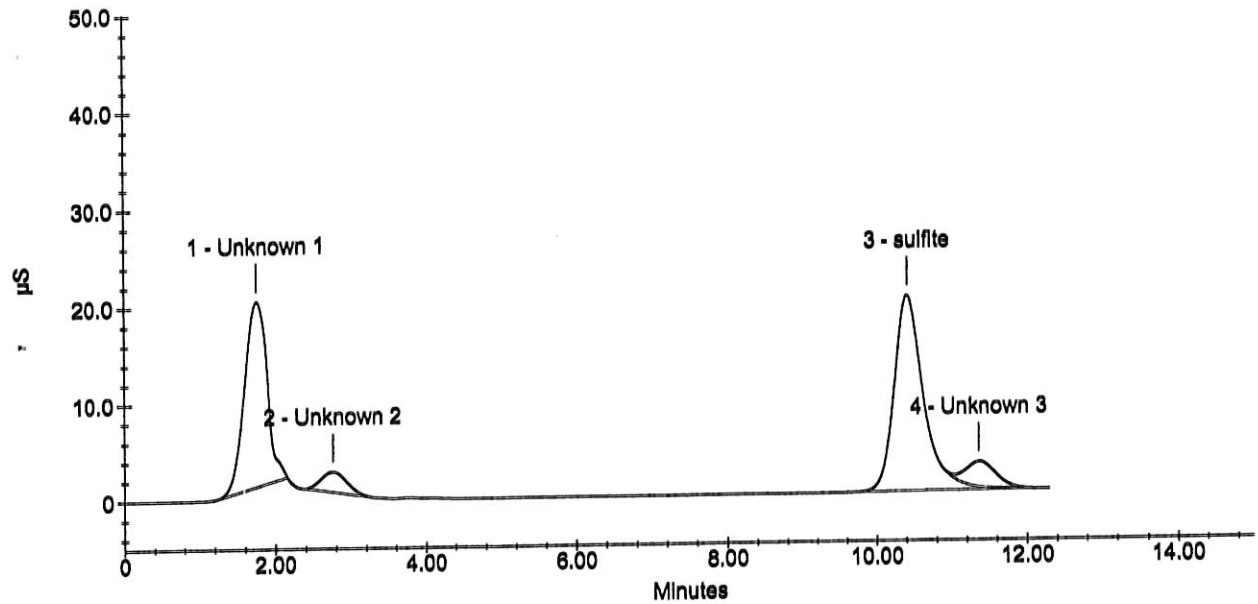
Sample Name : 090903A Sulfite CCV
Data File Name : i:\dionex\d1anions\data\090903a\090903A_103.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/4/09 14:29:22
System Operator : pd
Injection Number : 103
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	1.76	Unknown 1	0.0000	4004866	190516	
2	2.76	Unknown 2	0.0000	495954	20874	
3	10.41	sulfite	22.5656	5490631	201213	
4	11.36	Unknown 3	0.0000	728799	26183	

090903A Sulfite CCV



Sample Analysis Report

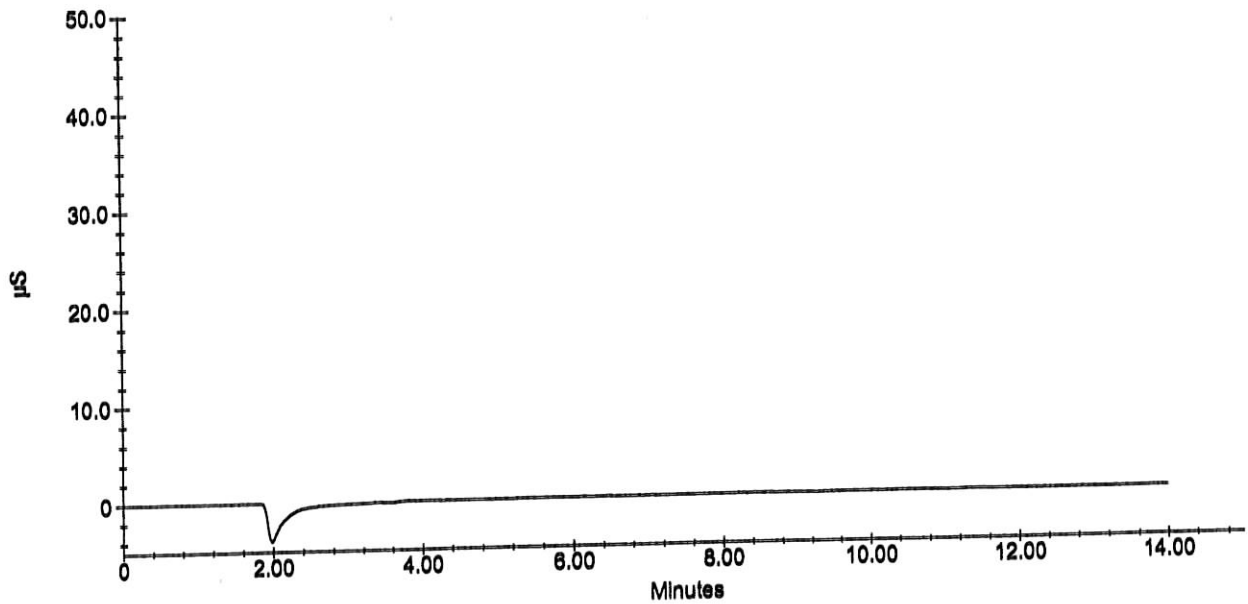
Sample Name : 090903A 300/Sulfite BLK
Data File Name : i:\dionex\d1anions\data\090903a\090903A_106.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 15:18:10
System Operator : pd
Injection Number : 106
Multiplier : 1.00

Peak Information : All Peaks

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

090903A 300/Sulfite BLK



Sample Analysis Report

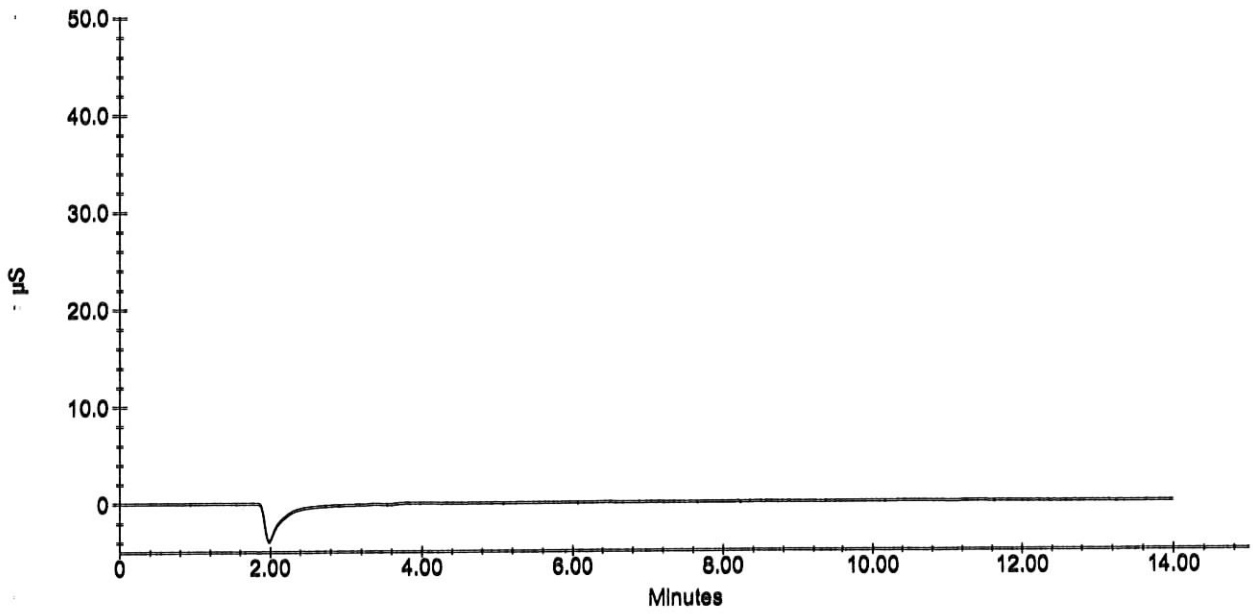
Sample Name : 090903A 300/Sulfite BLK
Data File Name : i:\dionex\d1anions\data\090903a\090903A_106.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 15:18:10
System Operator : pd
Injection Number : 106
Multiplier : 1.00

Peak Information : All Peaks

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

090903A 300/Sulfite BLK



Sample Analysis Report

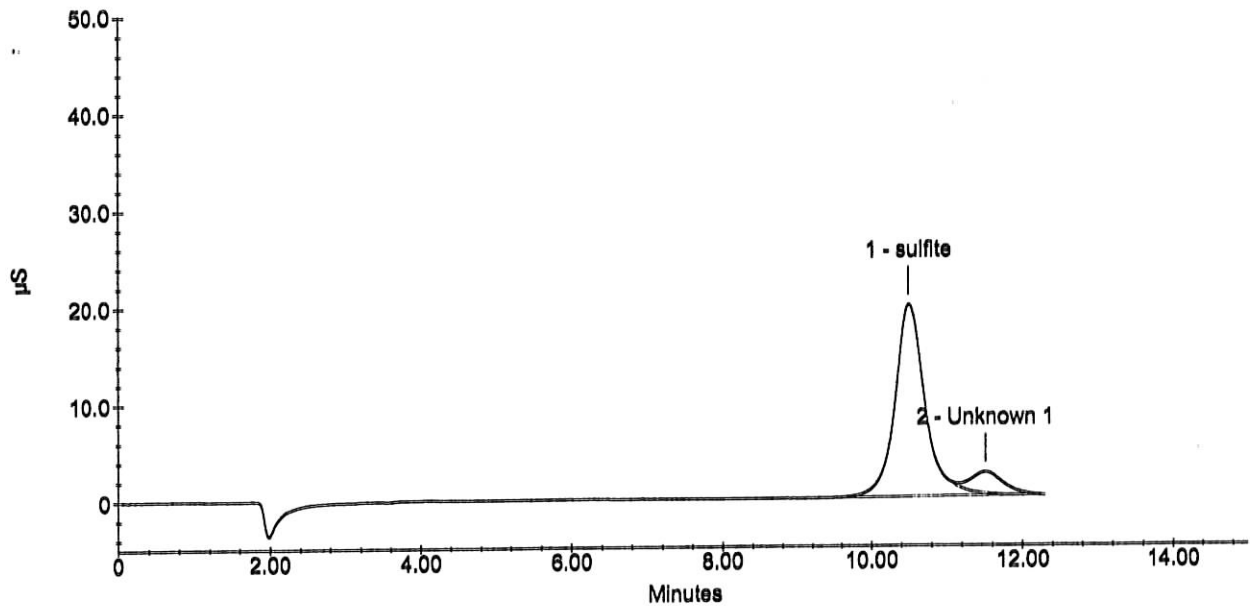
Sample Name : 090903A Sulfite CCV
Data File Name : i:\dionex\d1anions\data\090903a\090903a_121.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 9:56:50 PM
System Operator : pd
Injection Number : 121
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.49	sulfite	22.684	5519421	196996	
2	11.51	Unknown 1	0.000	650281	21938	

090903A Sulfite CCV



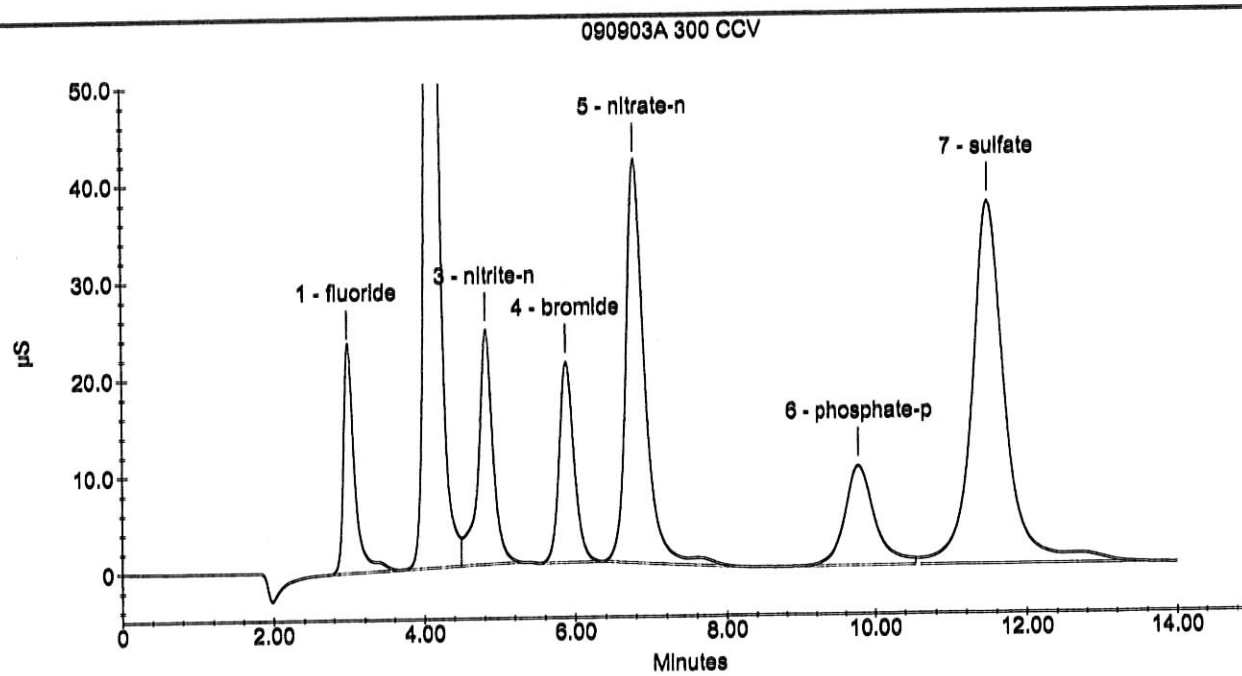
Sample Analysis Report

Sample Name : 090903A 300 CCV
Data File Name : I:\DIONEX\D1ANIONS\DATA\090903A\090903A_122.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-01-09Low.met
Date Time Collected : 9/4/09 10:13:17 PM
System Operator : pd
Injection Number : 122
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	2.373	2408423	231630	
2	4.12	chloride	22.548	16615087	1656574	
3	4.81	nitrite-n	2.559	3327930	240349	
4	5.88	bromide	10.521	2801706	206126	
5	6.77	nitrate-n	4.540	7172727	412976	
6	9.77	phosphate-p	4.356	2894220	102754	
7	11.49	sulfate	24.045	11391309	372782	



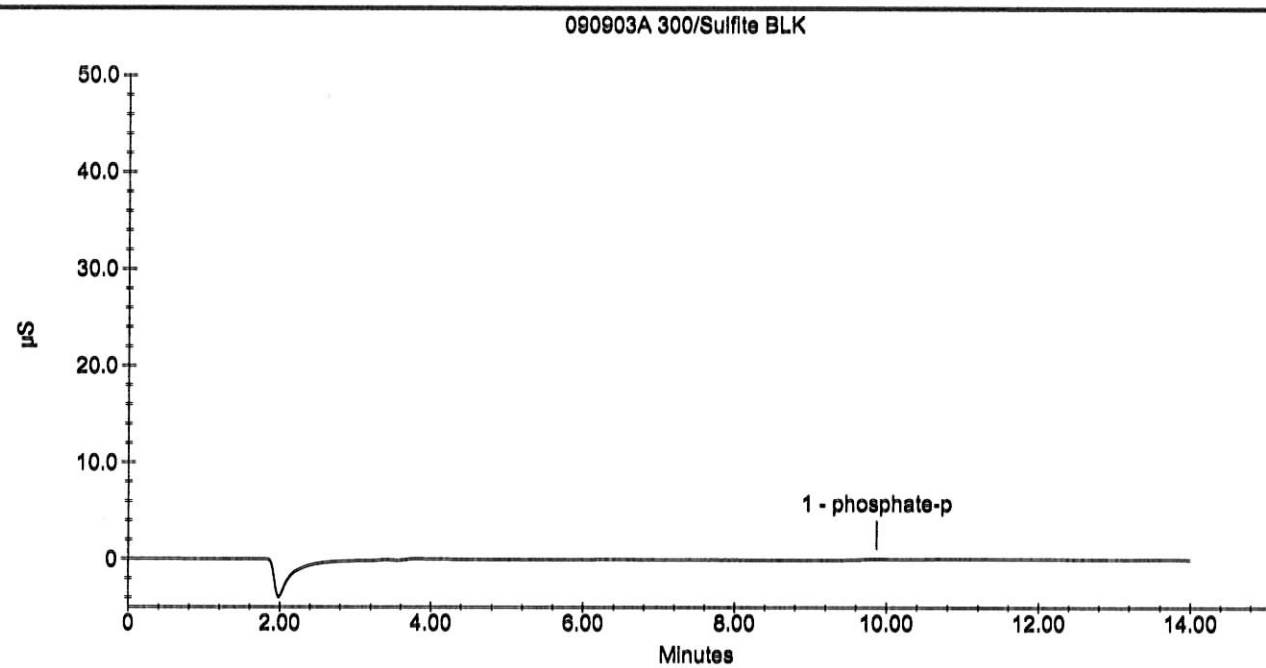
Sample Analysis Report

Sample Name : 090903A 300/Sulfite BLK
Data File Name : i:\dionex\d1anions\data\090903a\090903A_123.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-01-09Low.met
Date Time Collected : 9/4/09 22:30:03
System Operator : pd
Injection Number : 123
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	9.87	phosphate-p	-0.1018	13053	711	-



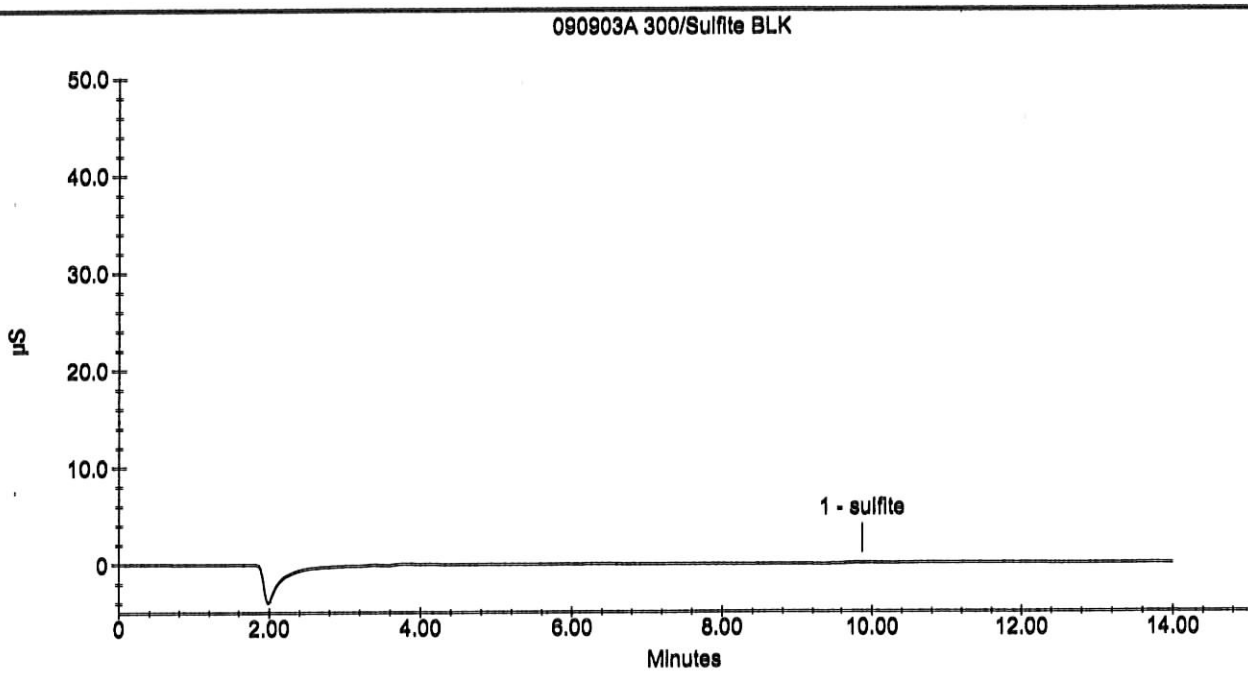
Sample Analysis Report

Sample Name : 090903A 300/Sulfite BLK
Data File Name : i:\dionex\d1anions\data\090903a\090903A_123.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 22:30:03
System Operator : pd
Injection Number : 123
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	9.87	sulfite	-0.0185	13053	711	-



Sample Analysis Report

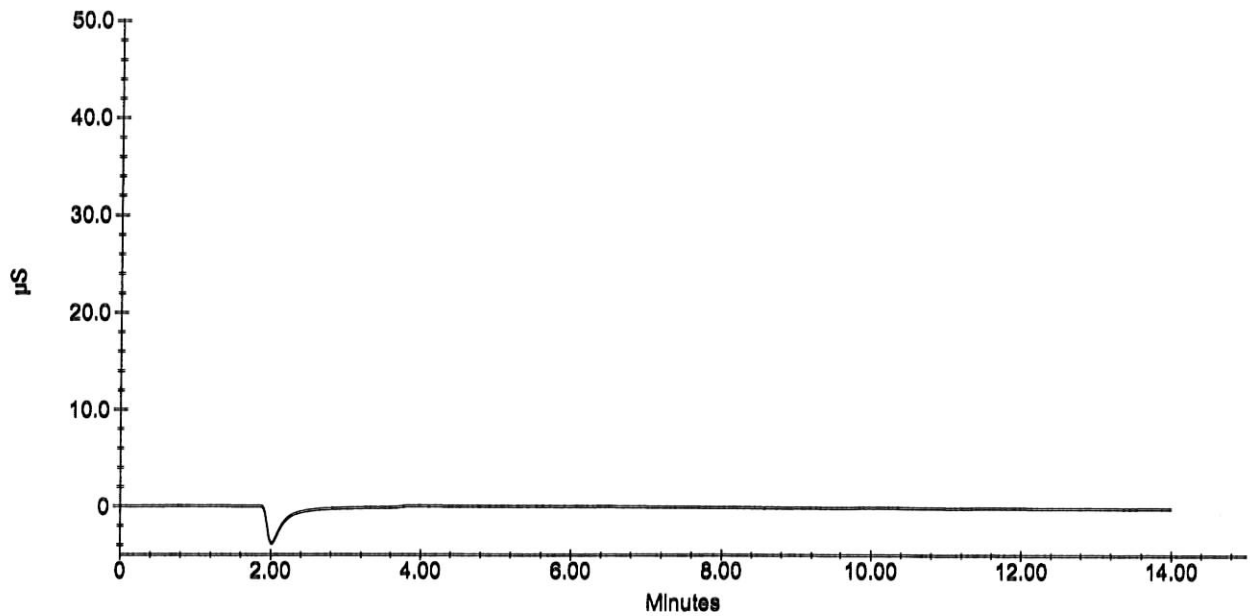
Sample Name : 090909A 300 /SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090909a\090909A_002.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/9/09 09:10:12
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

090909A 300 /SULFITE CCB



Sample Analysis Report

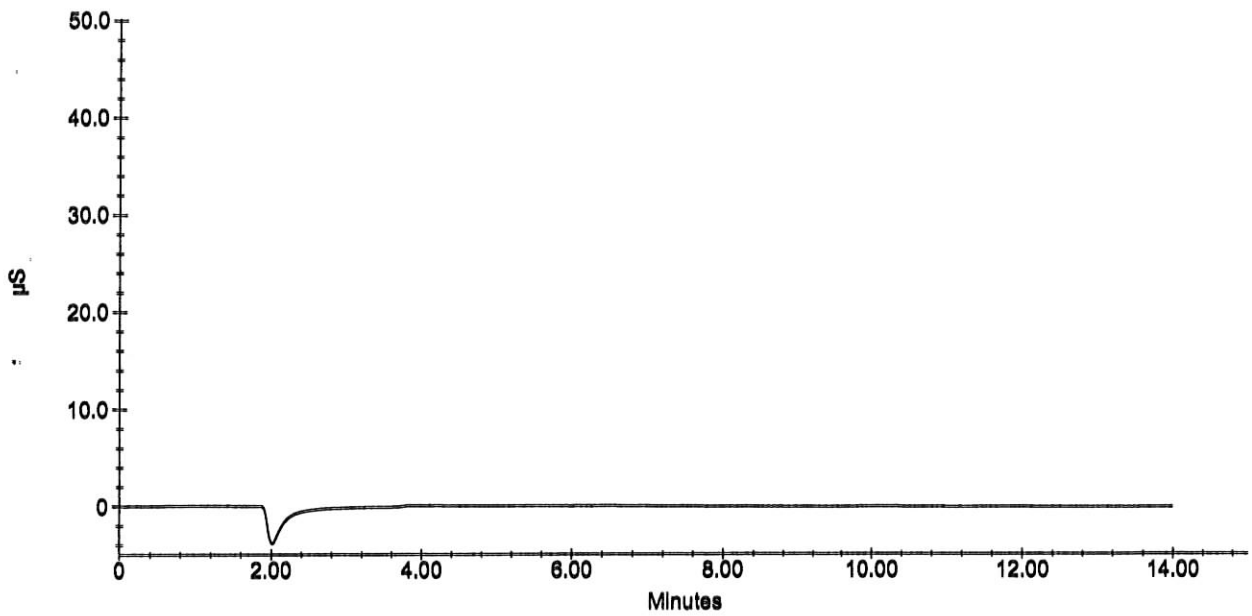
Sample Name : 090909A 300 /SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090909a\090909A_002.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/9/09 09:10:12
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

090909A 300 /SULFITE CCB



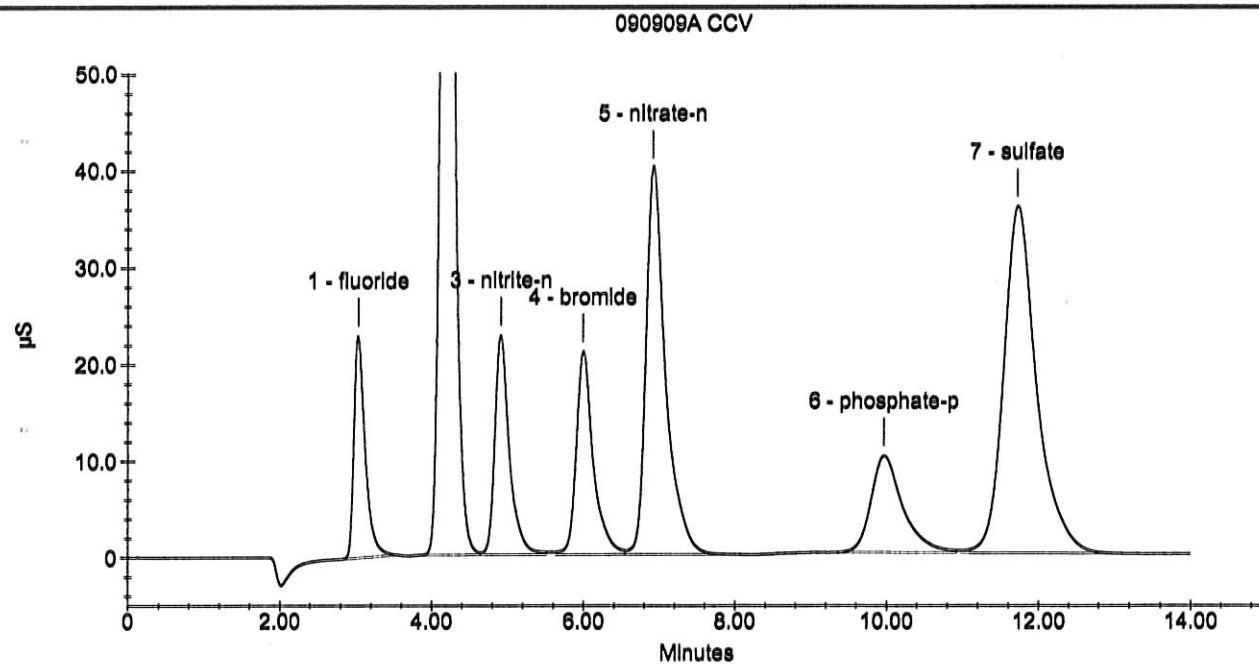
Sample Analysis Report

Sample Name : 090909A CCV
Data File Name : i:\dionex\d1anions\data\090909a\090909A_003.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/9/09 09:26:51
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	3.03	fluoride	2.4355	2360675	228969	
2	4.19	chloride	23.8329	16615912	1645642	
3	4.91	nitrite-n	2.4604	3031627	226813	
4	5.99	bromide	13.0192	3277571	209032	
5	6.91	nitrate-n	4.9149	7245853	398540	
6	9.96	phosphate-p	5.1795	2911679	99697	
7	11.71	sulfate	24.4163	10774469	357337	



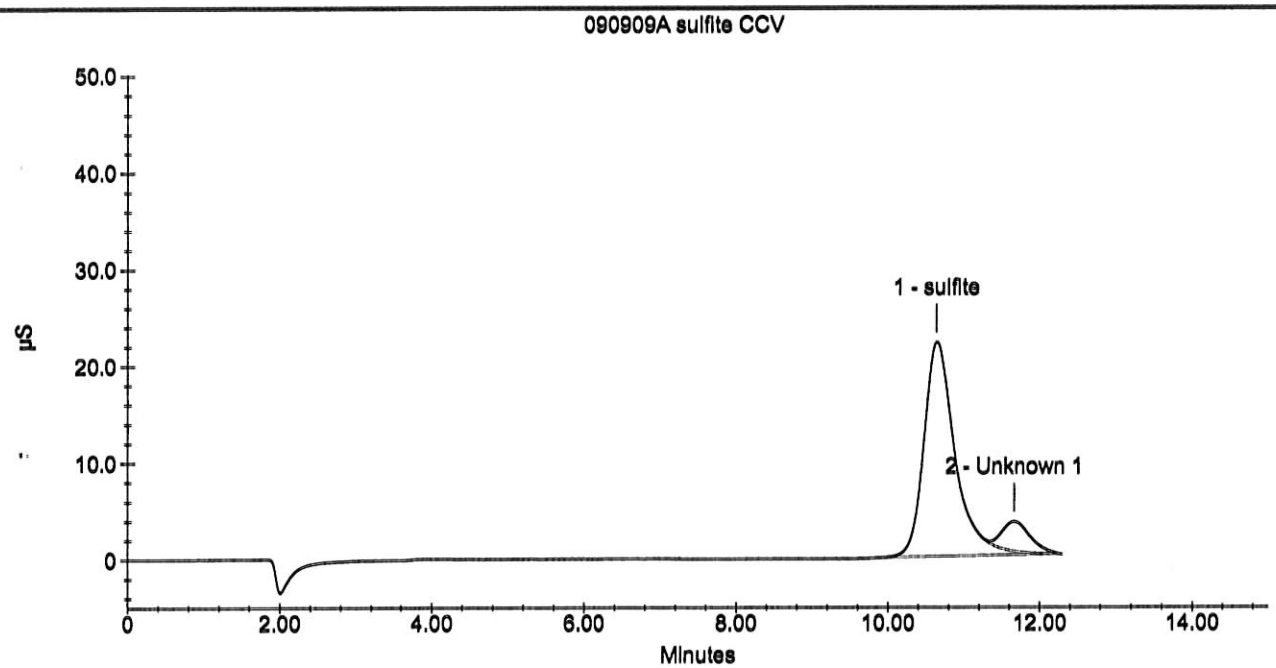
Sample Analysis Report

Sample Name : 090909A sulfite CCV
Data File Name : i:\dionex\d1anions\data\090909a\090909A_008.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/9/09 10:49:18
System Operator : pd
Injection Number : 8
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.64	sulfite	26.1053	6349168	220630	
2	11.67	Unknown 1	0.0000	795262	30878	



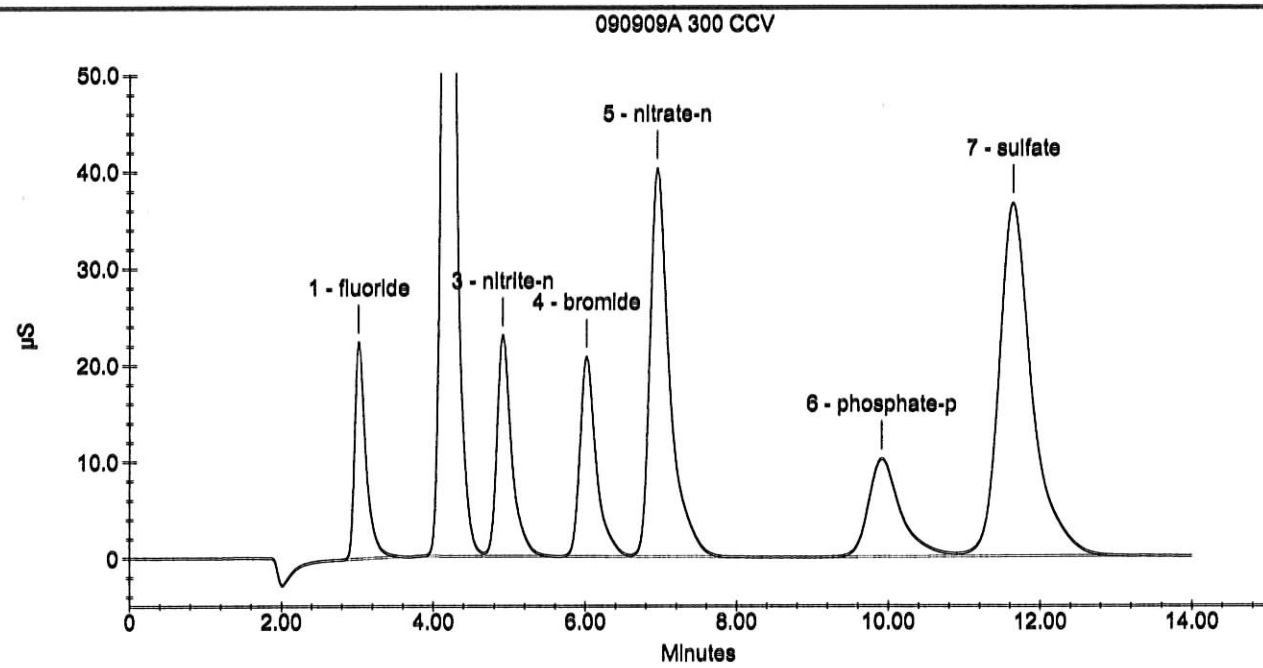
Sample Analysis Report

Sample Name : 090909A 300 CCV
Data File Name : i:\dionex\d1anions\data\090909a\090909A_022.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/9/09 14:46:25
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	3.01	fluoride	2.3848	2309715	223087	
2	4.17	chloride	24.3199	16971622	1630864	
3	4.91	nitrite-n	2.4781	3054017	227654	
4	6.01	bromide	12.4023	3118832	206078	
5	6.95	nitrate-n	4.9407	7285053	400761	
6	9.91	phosphate-p	5.2974	2976424	101124	
7	11.64	sulfate	24.9593	11020120	364867	



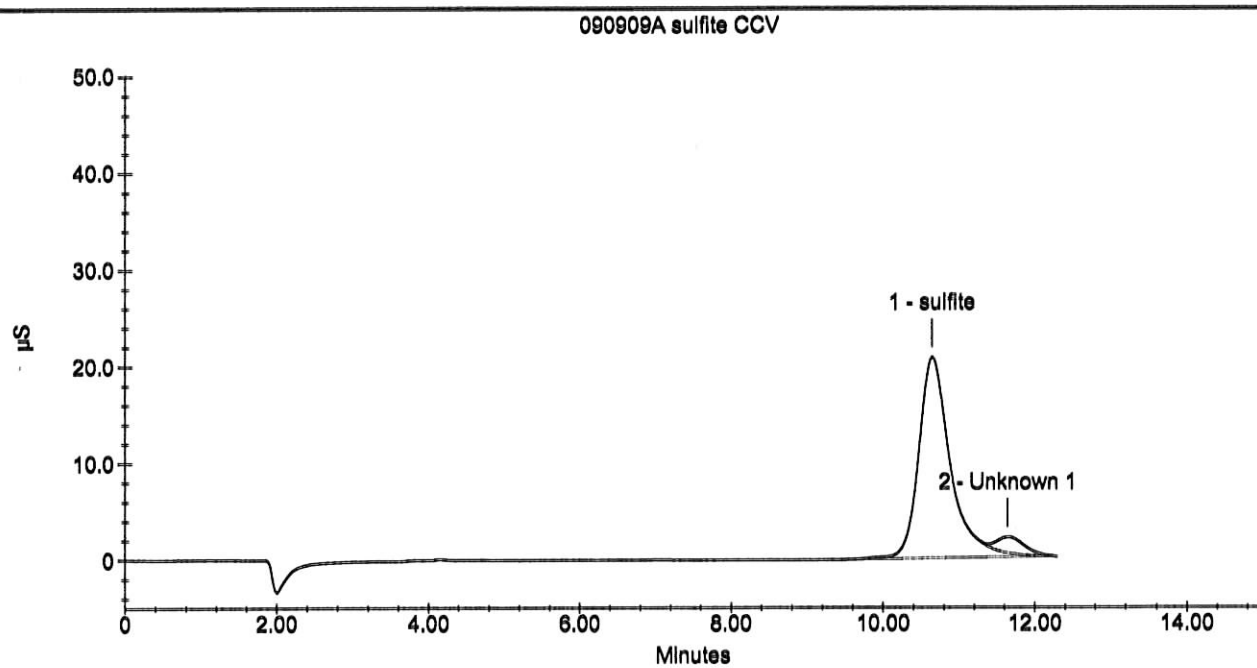
Sample Analysis Report

Sample Name : 090909A sulfite CCV
Data File Name : i:\dionex\d1anions\data\090909a\090909A_019.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/9/09 14:01:27
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	10.64	sulfite	24.7977	6032004	207100	
2	11.64	Unknown 1	0.0000	423095	16620	



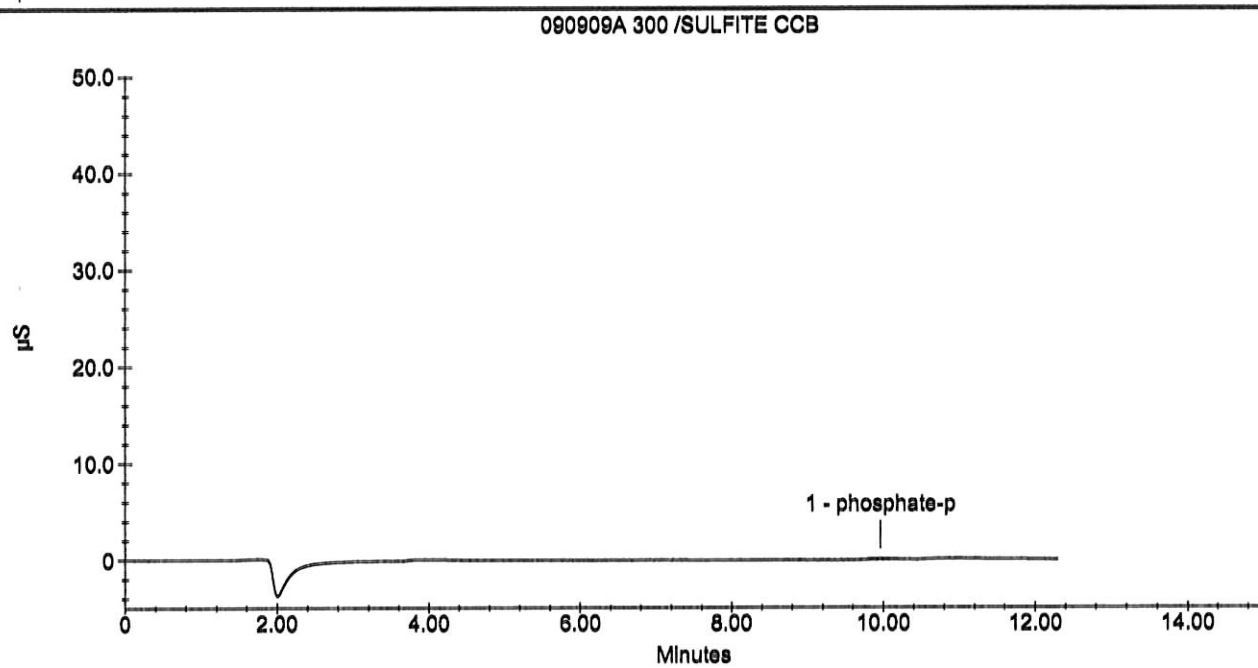
Sample Analysis Report

Sample Name : 090909A 300 /SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090909a\090909A_021.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/9/09 14:31:33
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	9.96	phosphate-p	-0.1015	13185	709	-



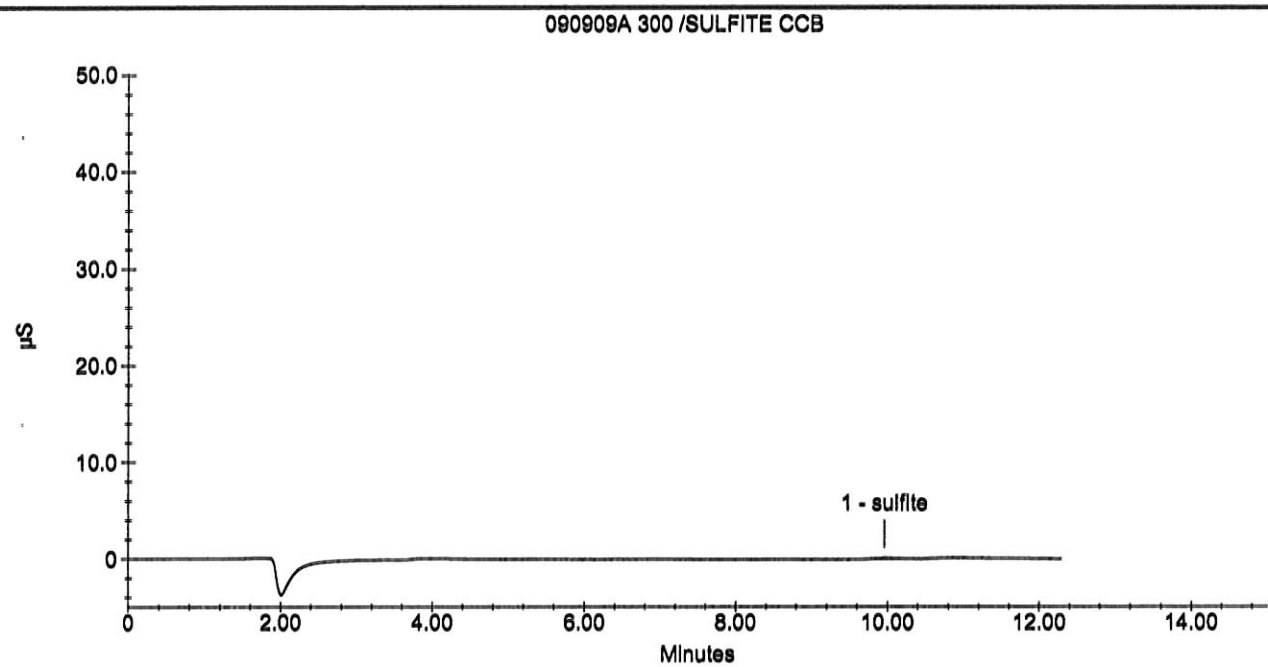
Sample Analysis Report

Sample Name : 090909A 300 /SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090909a\090909A_021.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/9/09 14:31:33
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	9.96	sulfite	-0.0179	13185	709	-



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	09/03/09	09/03/09	S300WS-090903A-AY0255
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/03/09	09/03/09	S300WS-090903A-AY0255
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/03/09	09/03/09	S300WS-090903A1-AY025
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/03/09	09/03/09	S300WS-090903A1-AY025
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/09/09	09/09/09	S300WS-090909A-AY0257
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/09/09	09/09/09	S300WS-090909A-AY0257
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09	S300WS-090903A2-AY025
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09	S300WS-090903A2-AY025
EPA 300.0	Fluoride	Not detected	1.0	mg/L	09/04/09	09/04/09	S300WS-090903A3-AY026
EPA 300.0	Sulfate/Sulfite total	Not detected	5.0	mg/L	09/04/09	09/04/09	S300WS-090903A3-AY026

Printed: 09/16/09 9:47:37 AM

Sample Analysis Report

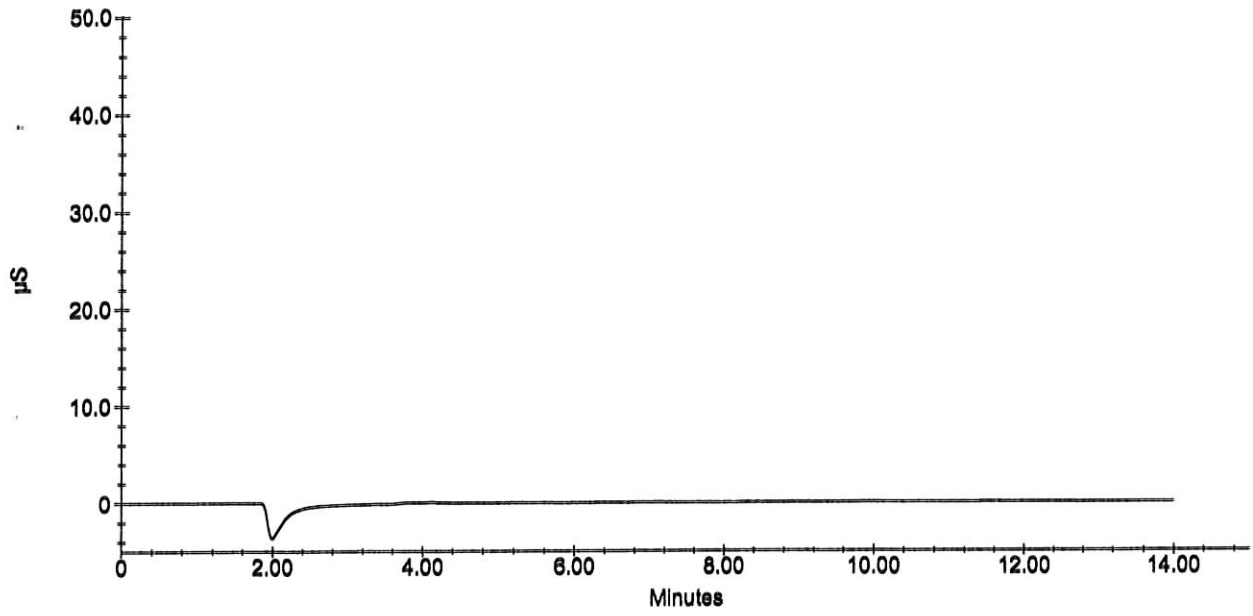
Sample Name : 090903A 300/Sulfite BLK
Data File Name : i:\dionex\d1anions\data\090903a\090903A_005.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/3/09 10:09:30
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

090903A 300/Sulfite BLK



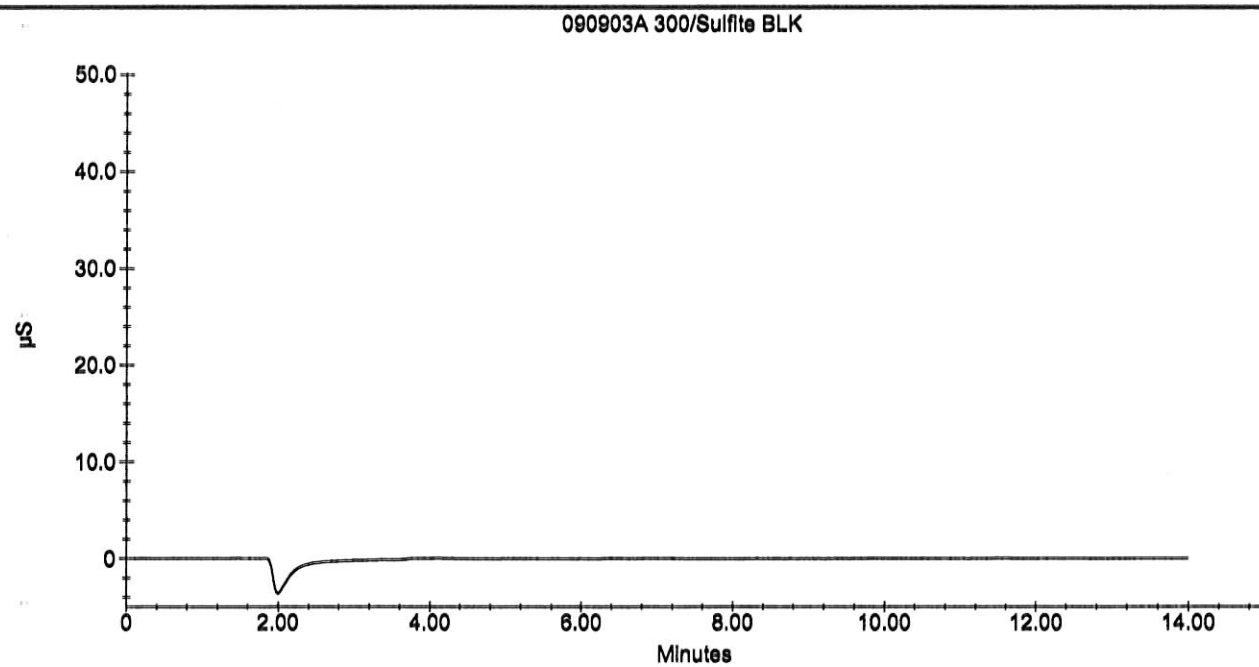
Sample Analysis Report

Sample Name : 090903A 300/Sulfite BLK
Data File Name : i:\dionex\d1anions\data\090903a\090903A_005.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/3/09 10:09:30
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



Sample Analysis Report

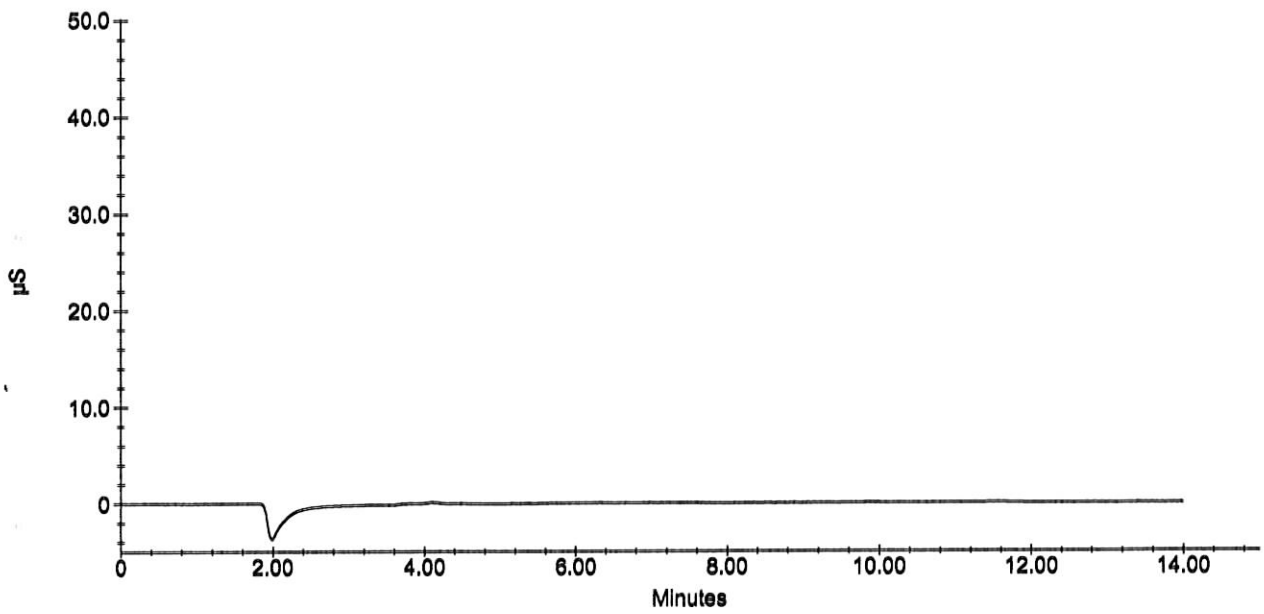
Sample Name : 090903A 300/Sulfite BLK
Data File Name : i:\dionex\d1anions\data\090903a\090903A_046.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/3/09 21:40:40
System Operator : pd
Injection Number : 46
Multiplier : 1.00

Peak Information : All Peaks

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

090903A 300/Sulfite BLK



Sample Analysis Report

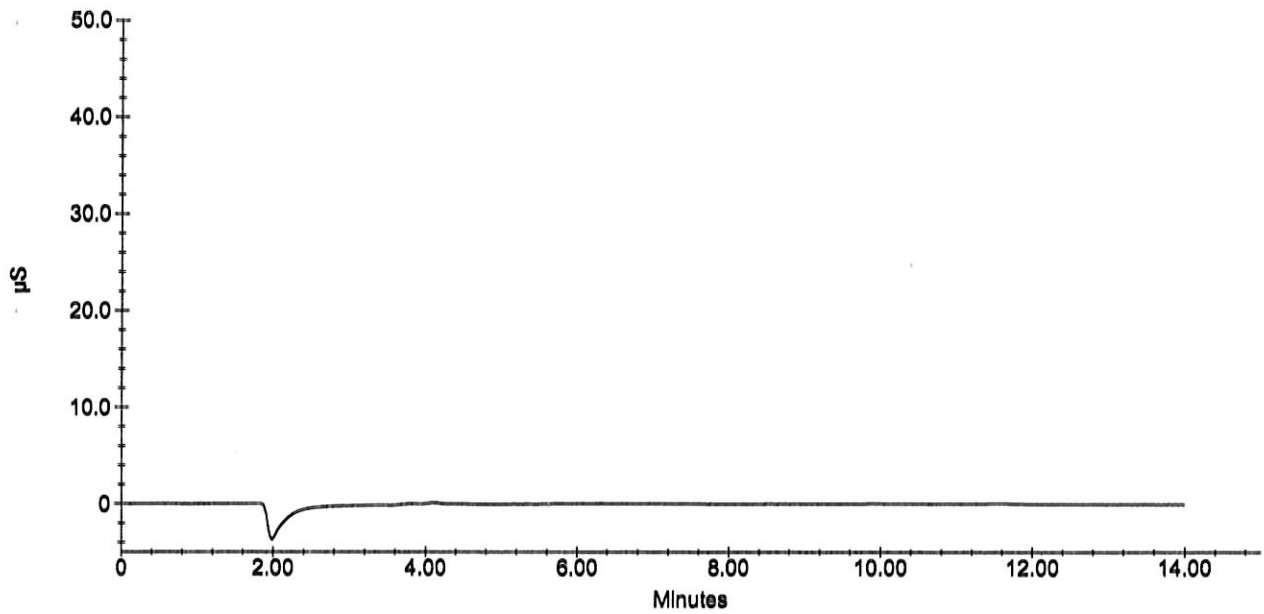
Sample Name : 090903A 300/Sulfite BLK
Data File Name : i:\dionex\d1anions\data\090903a\090903A_046.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/3/09 21:40:40
System Operator : pd
Injection Number : 46
Multiplier : 1.00

Peak Information : All Peaks

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

090903A 300/Sulfite BLK



Sample Analysis Report

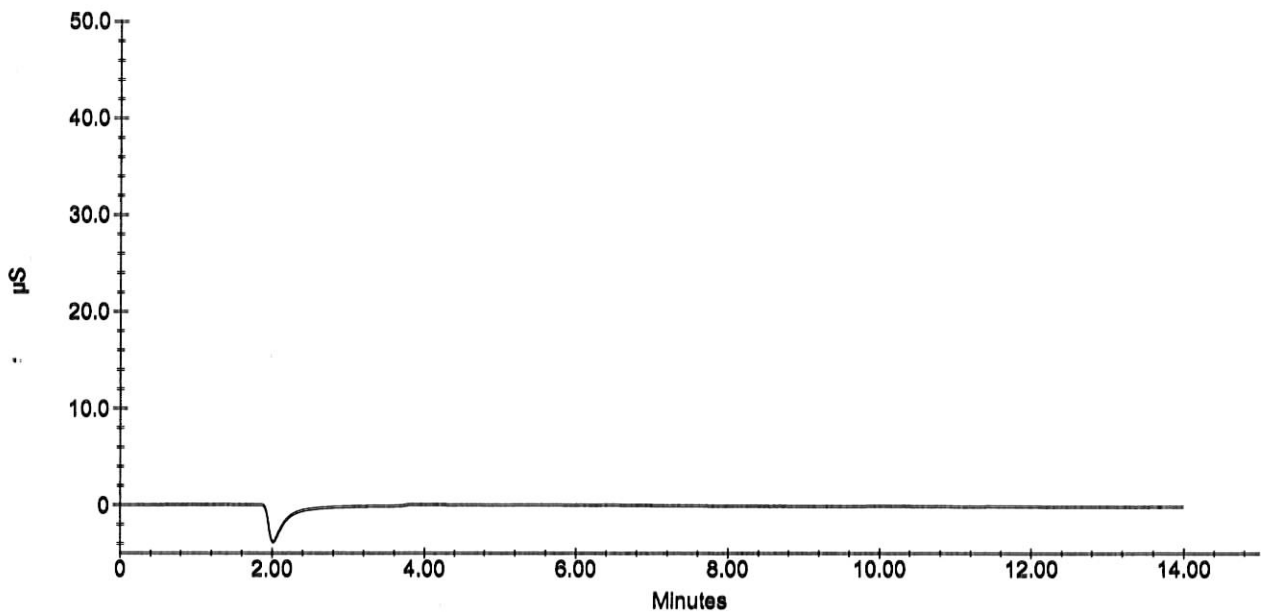
Sample Name : 090909A 300 /SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090909a\090909A_002.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-08-09Low.met
Date Time Collected : 9/9/09 09:10:12
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

090909A 300 /SULFITE CCB



Sample Analysis Report

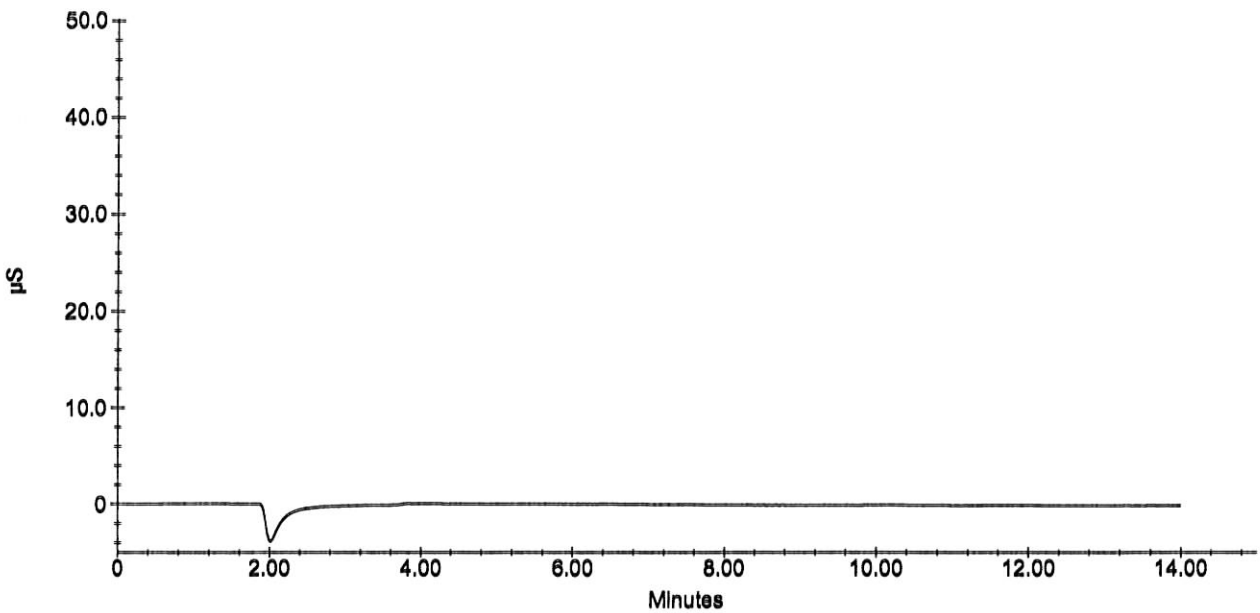
Sample Name : 090909A 300 /SULFITE CCB
Data File Name : i:\dionex\d1anions\data\090909a\090909A_002.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/9/09 09:10:12
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

090909A 300 /SULFITE CCB



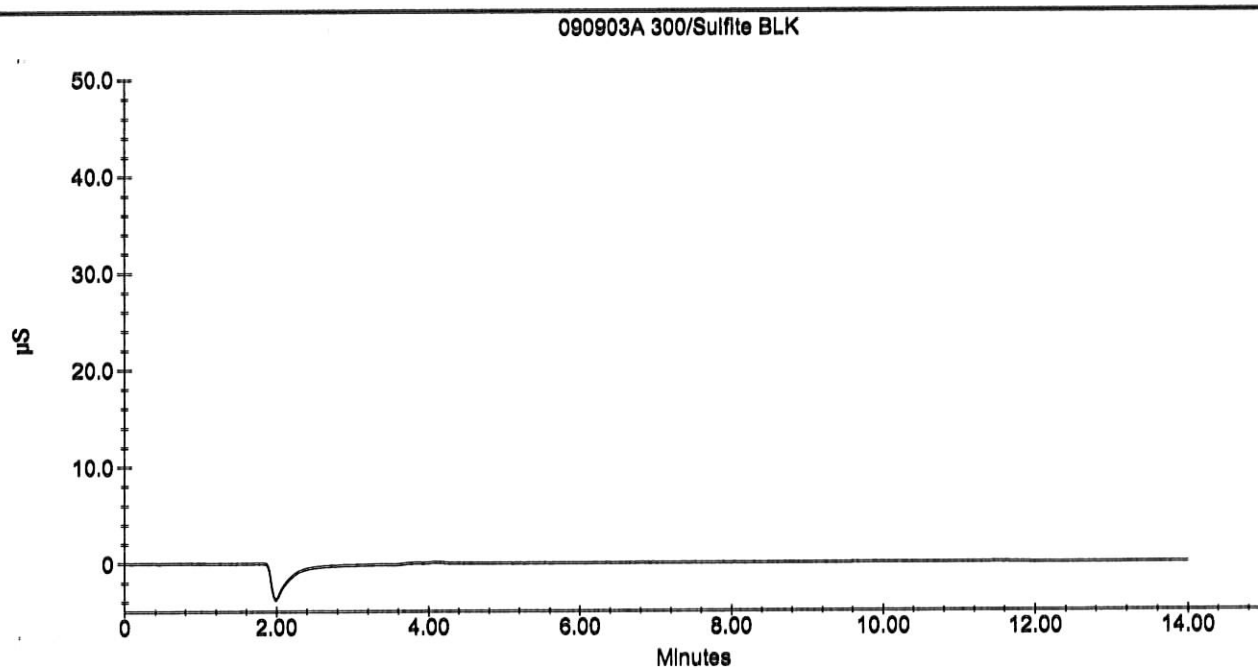
Sample Analysis Report

Sample Name : 090903A 300/Sulfite BLK
Data File Name : i:\dionex\d1anions\data\090903a\090903A_075.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 06:36:12
System Operator : pd
Injection Number : 75
Multiplier : 1.00

Peak Information : All Peaks

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



Sample Analysis Report

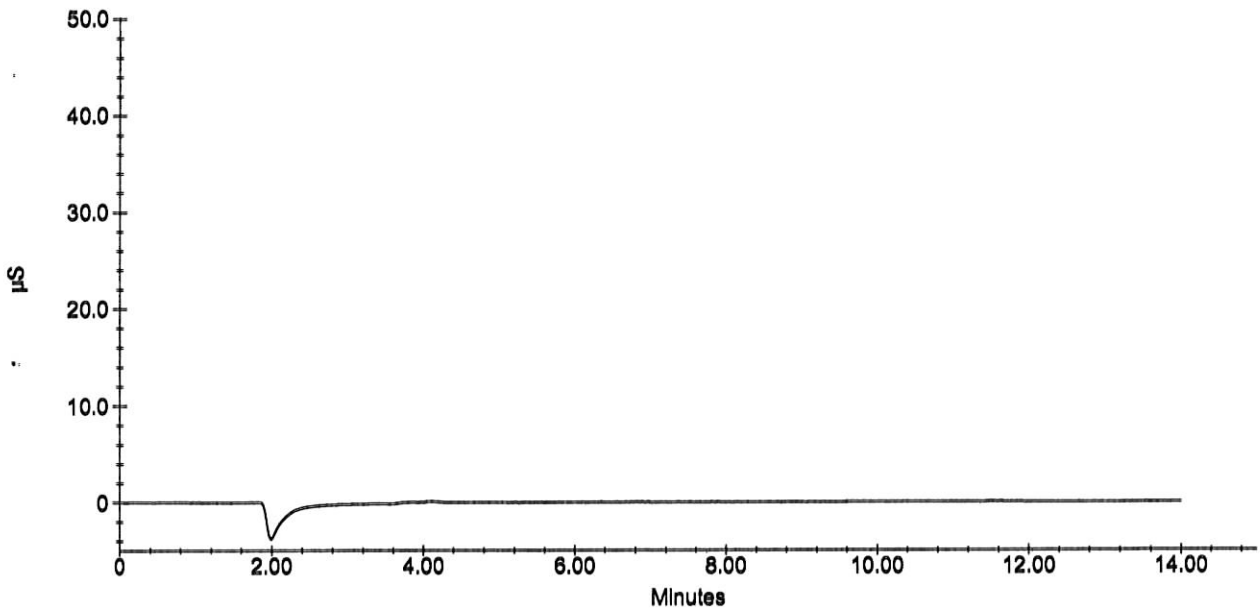
Sample Name : 090903A 300/Sulfite BLK
Data File Name : i:\dionex\d1anions\data\090903a\090903A_075.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 06:36:12
System Operator : pd
Injection Number : 75
Multiplier : 1.00

Peak Information : All Peaks

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

090903A 300/Sulfite BLK



Sample Analysis Report

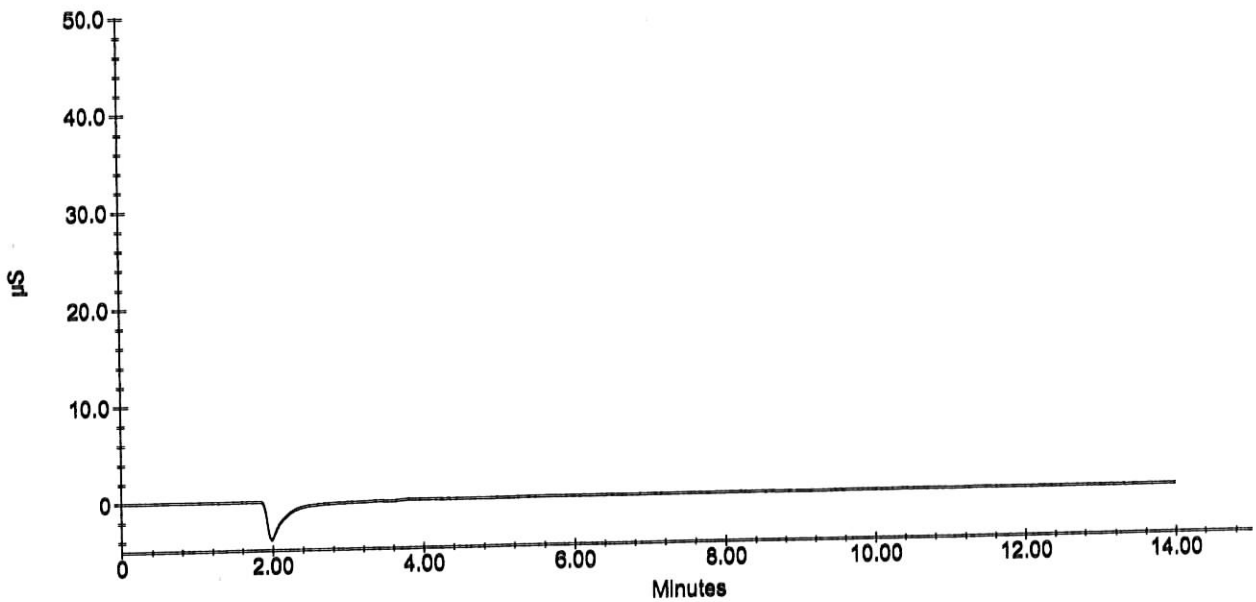
Sample Name : 090903A 300/Sulfite BLK
Data File Name : i:\dionex\d1anions\data\090903a\090903A_106.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 15:18:10
System Operator : pd
Injection Number : 106
Multiplier : 1.00

Peak Information : All Peaks

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

090903A 300/Sulfite BLK



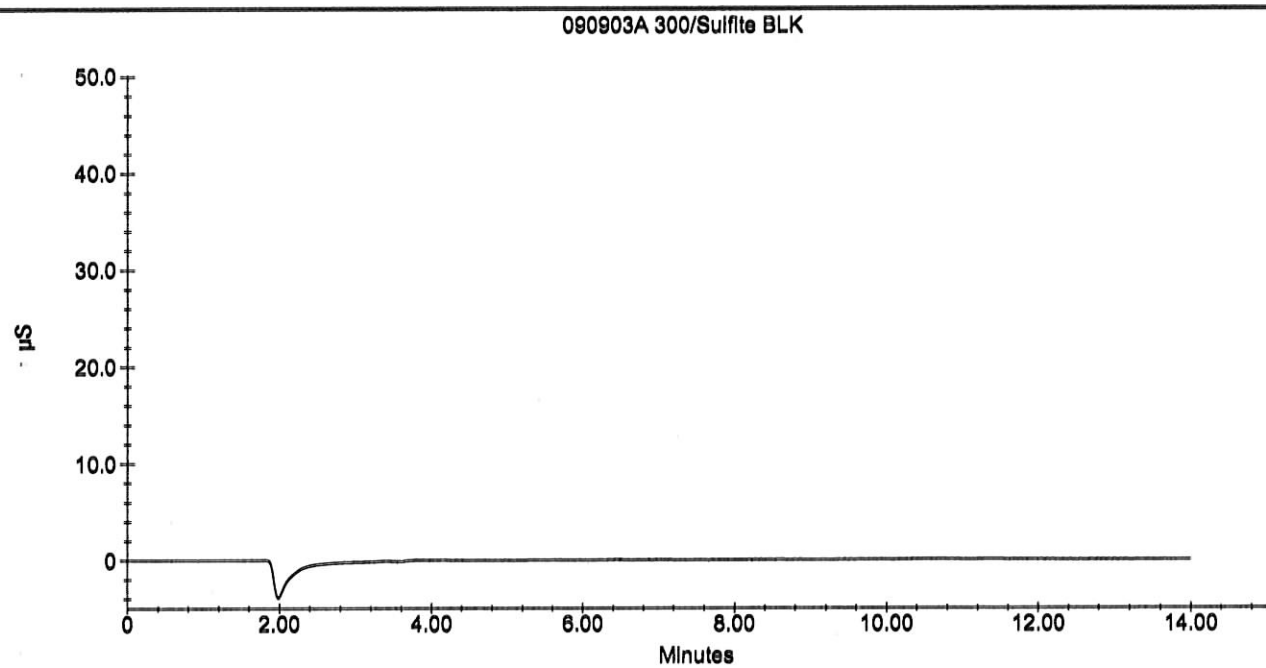
Sample Analysis Report

Sample Name : 090903A 300/Sulfite BLK
Data File Name : i:\dionex\d1anions\data\090903a\090903A_106.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/4/09 15:18:10
System Operator : pd
Injection Number : 106
Multiplier : 1.00

Peak Information : All Peaks

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



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	5.0	4.86	97.2	90-110	09/03/09	09/03/09	S300WS-090903A-AY02559
EPA 300.0	Sulfate/Sulfite total	50.0	47.4	94.8	90-110	09/03/09	09/03/09	S300WS-090903A-AY02559

Comments: _____

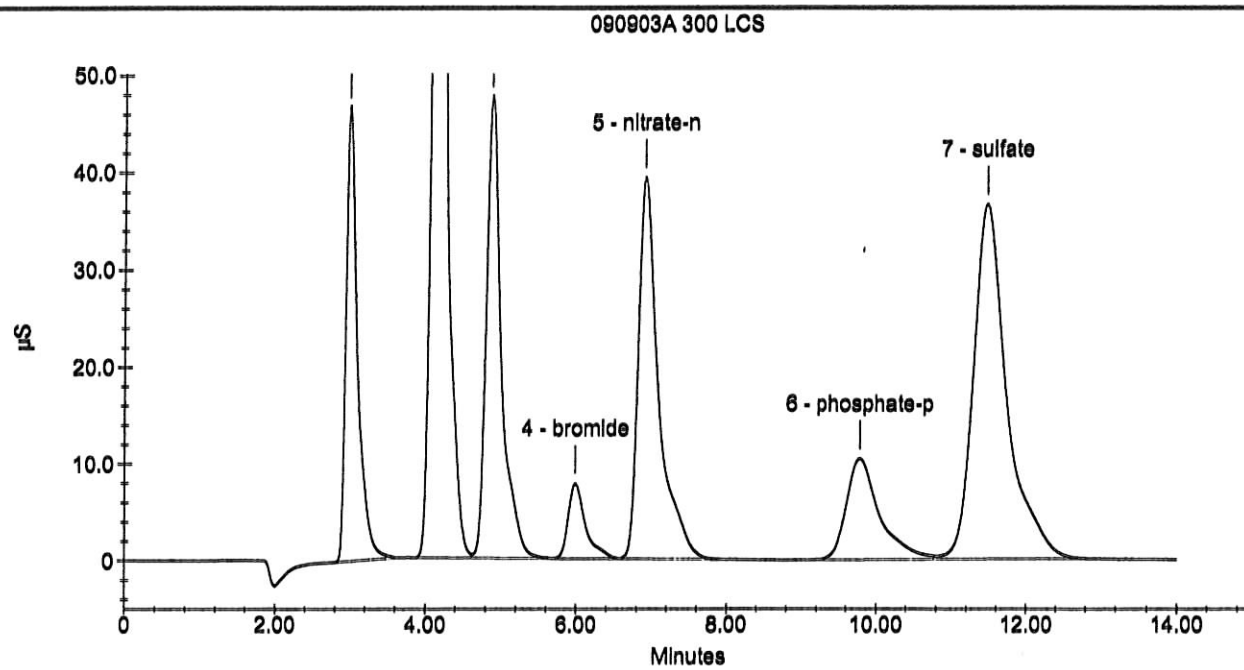
Sample Analysis Report

Sample Name : 090903A 300 LCS
Data File Name : i:\dionex\d1anions\data\090903a\090903A_006.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/3/09 10:26:07
System Operator : pd
Injection Number : 6
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	2.99	fluoride	4.8577	5004474	466535	
2	4.13	chloride	23.3051	17197926	1575819	
3	4.87	nitrite-n	5.0384	6606389	474119	+
4	5.99	bromide	4.7273	1229648	77206	
5	6.91	nitrate-n	4.7325	7484593	391949	
6	9.77	phosphate-p	4.8088	3171011	103853	
7	11.47	sulfate	23.8095	11277759	364793	



Sample Analysis Report

sulfite with glycol

Sample Name : 090903A 300°LCS
Data File Name : i:\dionex\d1anions\data\090903a\090903A_007.DXD

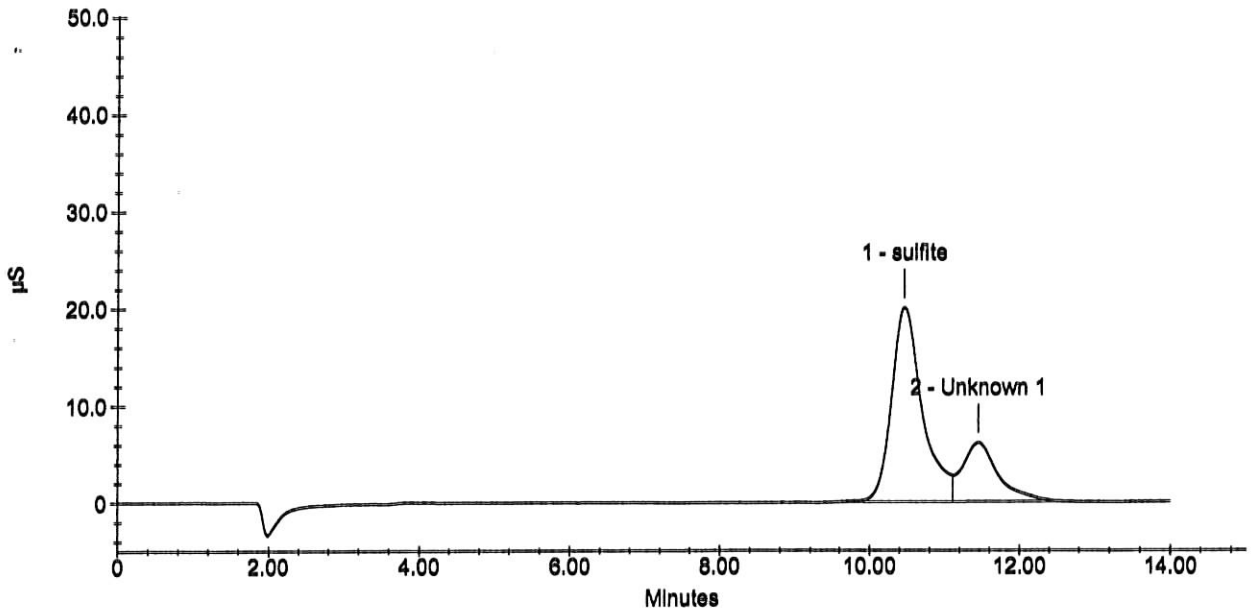
Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/3/09 10:42:58
System Operator : pd
Injection Number : 7
Multiplier : 1.00

10:42 10 59 8? 9/11/09 17

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.45	sulfite	23.5563	5730928	199210	
2	11.44	Unknown 1	0.0000	1998797	60561	

090903A 300 LCS



Laboratory Control Spike Recovery

WETLAB

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Method	Compound Name	Spike Level mg/L	SPK Result mg/L	SPK % Recovery	Recovery Limits	Extract Date	Analysis Date	QC Group
EPA 300.0	Fluoride	5.0	4.80	96.0	90-110	09/03/09	09/03/09	S300WS-090903A1-AY02571
EPA 300.0	Sulfate/Sulfite total	50.0	46.8	93.6	90-110	09/03/09	09/03/09	S300WS-090903A1-AY02571

Comments: _____

Printed: 09/16/09 9:47:31 AM
APPL Standard LCS

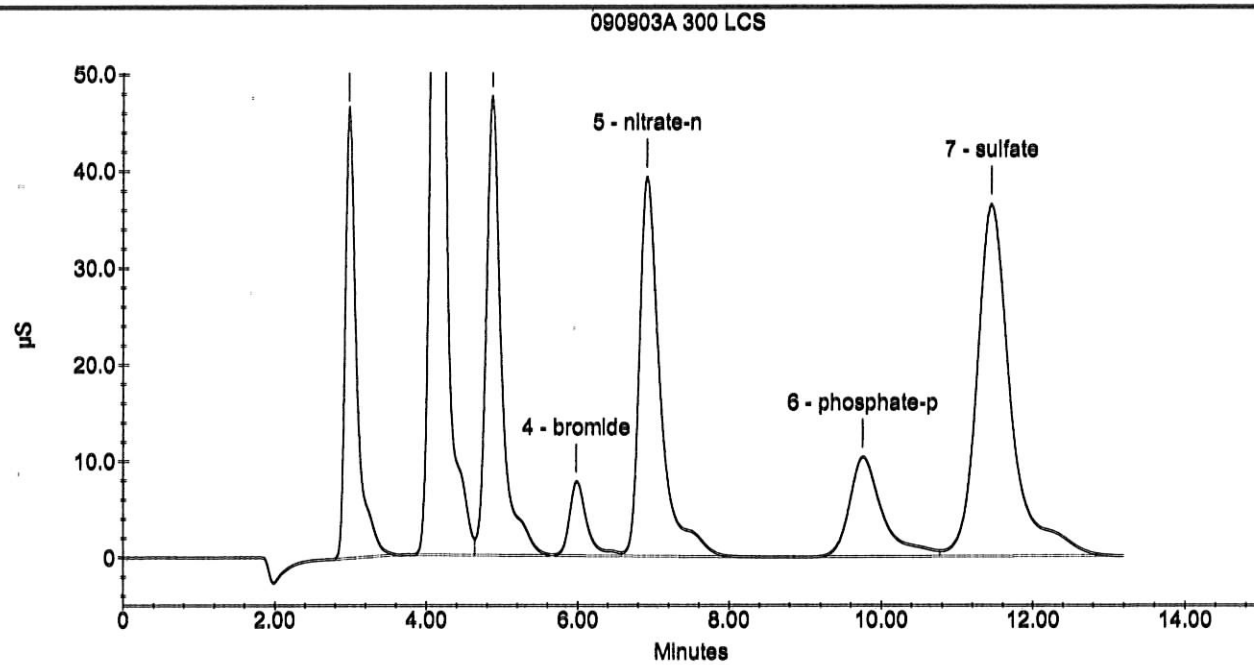
Sample Analysis Report

Sample Name : 090903A 300 LCS
Data File Name : i:\dionex\d1anions\data\090903a\090903A_039.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPA300 09-01-09Low.met
Date Time Collected : 9/3/09 7:57:50 PM
System Operator : pd
Injection Number : 39
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	4.796	4939966	461890	
2	4.13	chloride	23.216	17129541	1572237	
3	4.87	nitrite-n	5.067	6644140	473957	+
4	5.97	bromide	4.711	1225144	76038	
5	6.91	nitrate-n	4.746	7506692	391457	
6	9.75	phosphate-p	4.703	3106190	102624	
7	11.44	sulfate	23.824	11284962	363472	



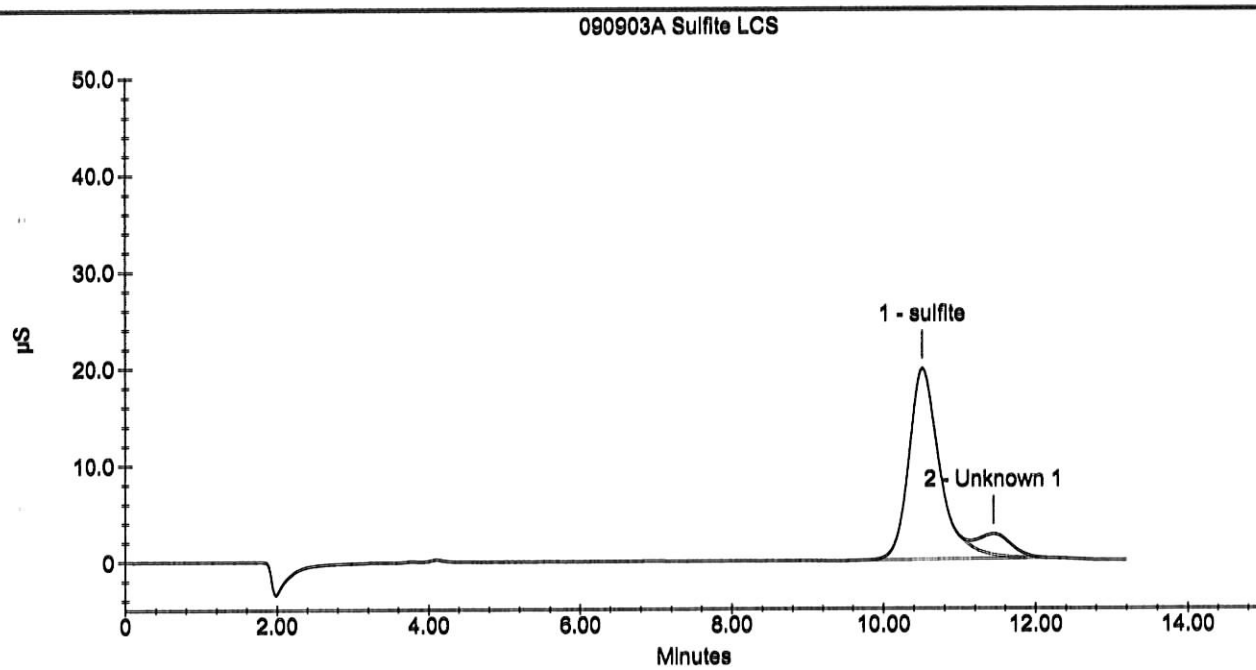
Sample Analysis Report

Sample Name : 090903A Sulfite LCS
Data File Name : i:\dionex\d1anions\data\090903a\090903A_044.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/3/09 21:08:18
System Operator : pd
Injection Number : 44
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.51	sulfite	22.9803	5591214	196697	
2	11.44	Unknown 1	0.0000	629361	21453	



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	4.94	98.8	90-110	09/09/09	09/09/09	$300WS-090909A-AY02579
EPA 300.0	Sulfate/Sulfite total	50.0	51.4	103	90-110	09/09/09	09/09/09	$300WS-090909A-AY02579

Comments: _____

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Printed: 09/16/09 9:47:31 AM
APPL Standard LCS

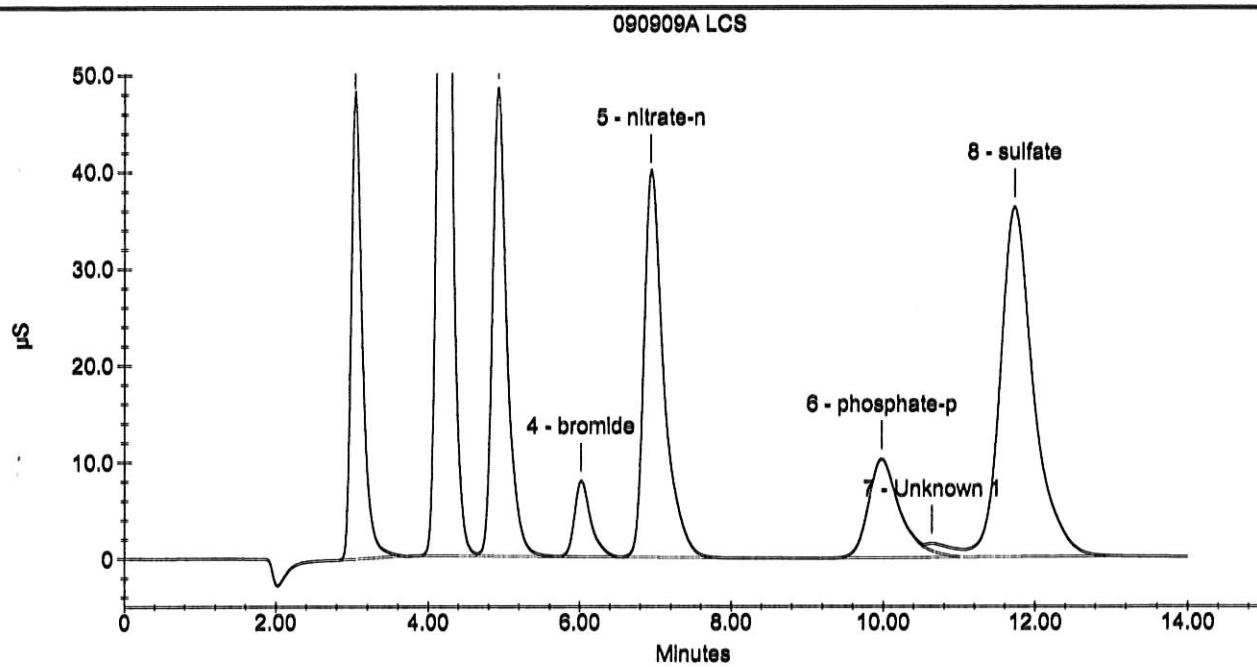
Sample Analysis Report

Sample Name : 090909A LCS
Data File Name : i:\dionex\d1anions\data\090909a\090909A_004.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-08-09low.met
Date Time Collected : 9/9/09 09:43:58
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	3.03	fluoride	4.9369	4871246	475367	
2	4.19	chloride	23.8989	16664064	1615981	
3	4.92	nitrite-n	5.0734	6335807	482655	+
4	6.01	bromide	4.8472	1174685	78021	
5	6.93	nitrate-n	4.8760	7186848	397255	
6	9.97	phosphate-p	5.2829	2968455	102017	
7	10.64	Unknown 1	0.0000	229778	7681	
8	11.72	sulfate	24.9022	10994285	361176	



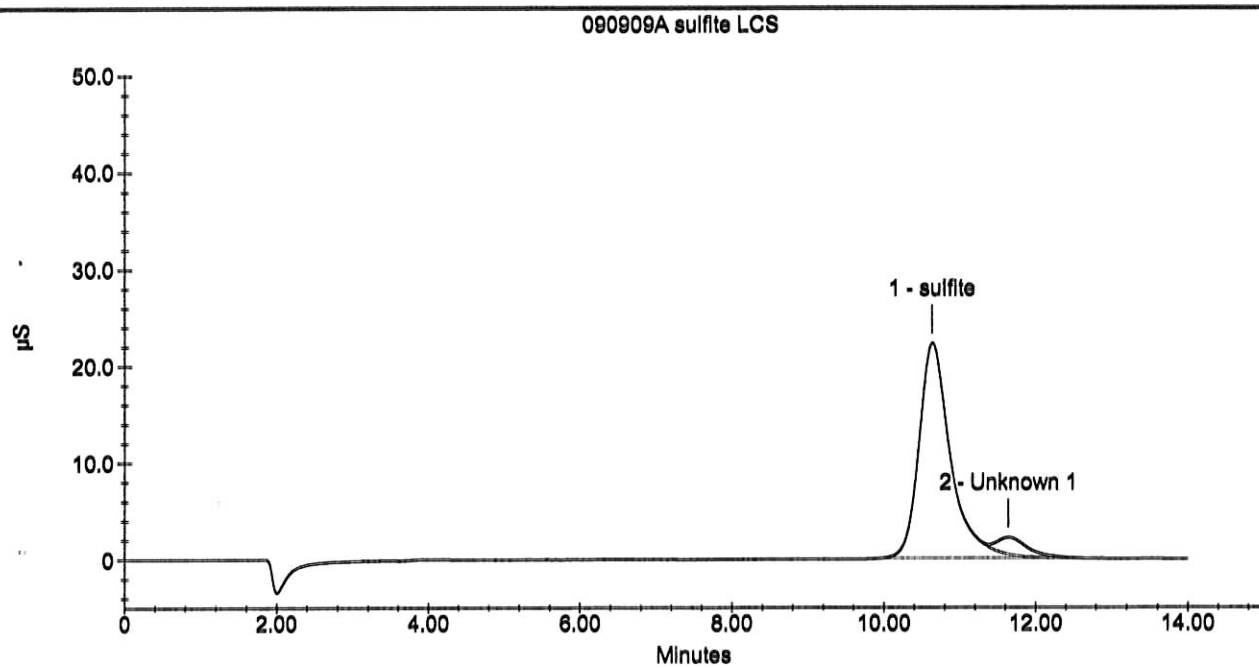
Sample Analysis Report

Sample Name : 090909A sulfite LCS
Data File Name : i:\dionex\d1anions\data\090909a\090909A_012.DXD

Method File Name : I:\DIONEX\D1ANIONS\METHODS\EPAsufite 08-25-09Low.met
Date Time Collected : 9/9/09 11:54:24
System Operator : pd
Injection Number : 12
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.63	sulfite	26.4755	6438955	221613	
2	11.64	Unknown 1	0.0000	499245	17420	



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	4.83	96.6	90-110	09/04/09	09/04/09	$300WS-090903A2-AY02591
EPA 300.0	Sulfate/Sulfite total	50.0	46.8	93.6	90-110	09/04/09	09/04/09	$300WS-090903A2-AY02591

Comments: _____

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Printed: 09/16/09 9:47:31 AM
APPL Standard LCS

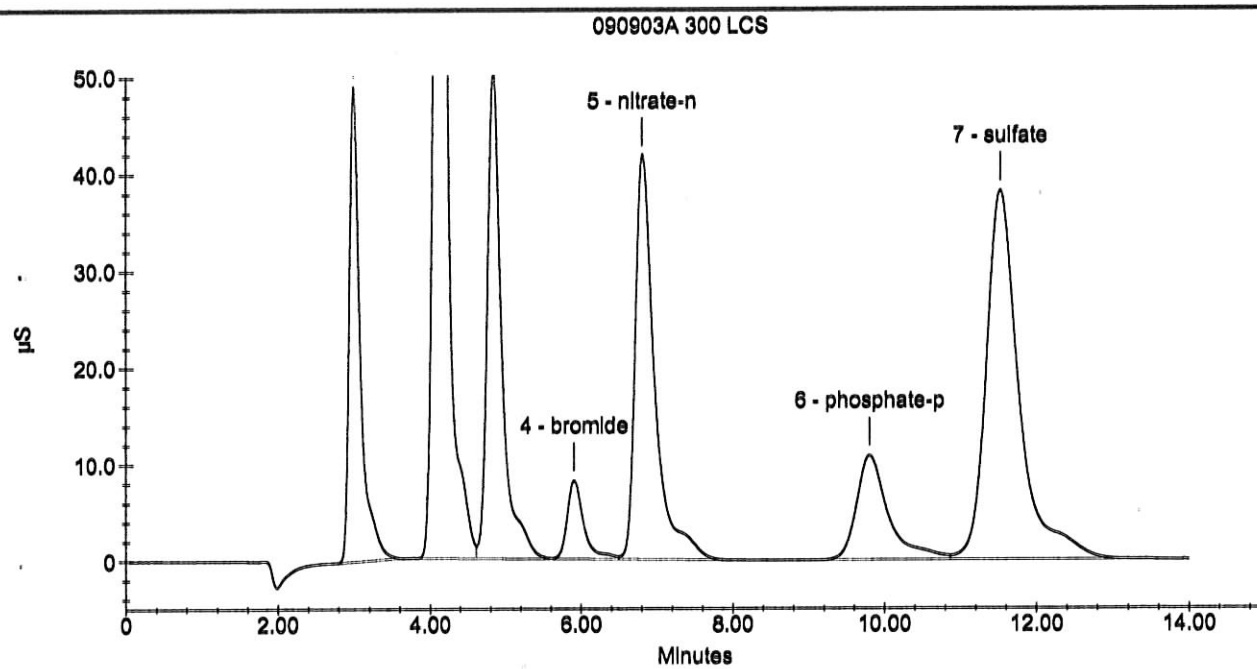
Sample Analysis Report

Sample Name : 090903A 300 LCS
Data File Name : i:\dionex\d1anions\data\090903a\090903A_072.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 05:47:40
System Operator : pd
Injection Number : 72
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	4.8312	4976744	489902	
2	4.12	chloride	23.5159	17360261	1659869	
3	4.83	nitrite-n	5.1171	6710394	502468	+
4	5.91	bromide	4.7523	1236428	80960	
5	6.80	nitrate-n	4.7686	7542958	416351	
6	9.80	phosphate-p	4.8131	3173649	107884	
7	11.52	sulfate	24.1335	11434012	380896	



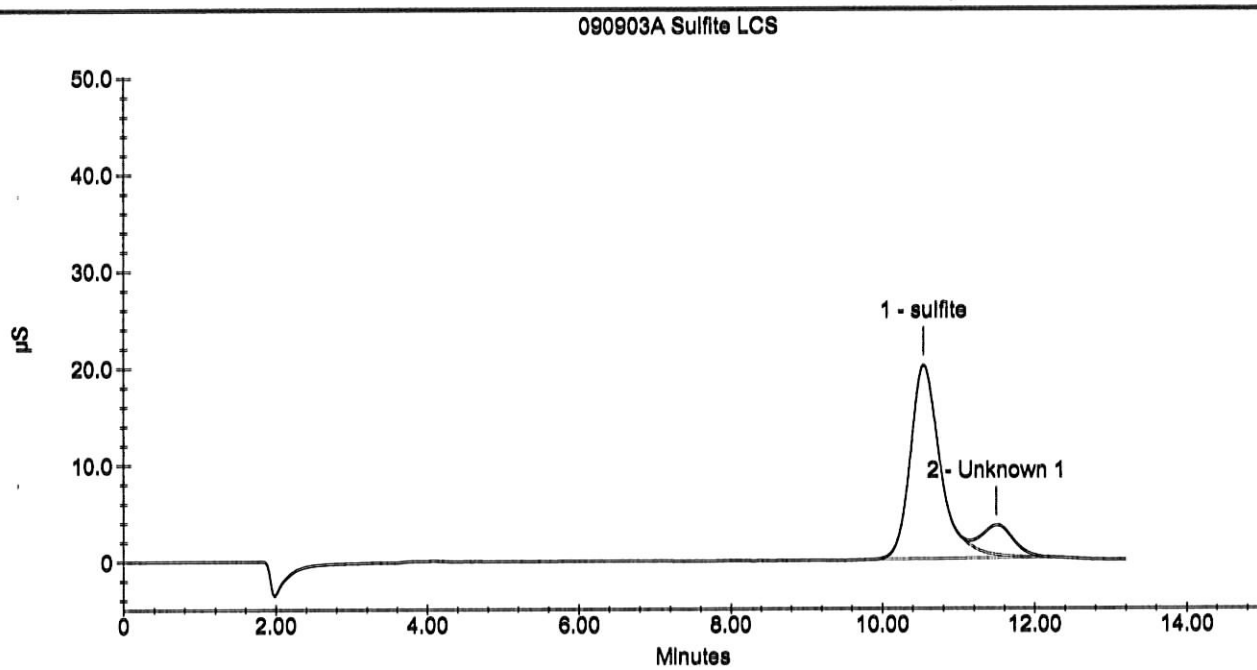
Sample Analysis Report

Sample Name : 090903A Sulfite LCS
Data File Name : i:\dionex\d1anions\data\090903a\090903A_074.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/4/09 06:20:20
System Operator : pd
Injection Number : 74
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.53	sulfite	22.7088	5525357	199303	
2	11.49	Unknown 1	0.0000	868724	30383	



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	4.88	97.6	90-110	09/04/09	09/04/09	S300WS-090903A3-AY02611
EPA 300.0	Sulfate/Sulfite total	50.0	47.0	94.0	90-110	09/04/09	09/04/09	S300WS-090903A3-AY02611

Comments: _____

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Printed: 09/16/09 9:47:31 AM
APPL Standard LCS

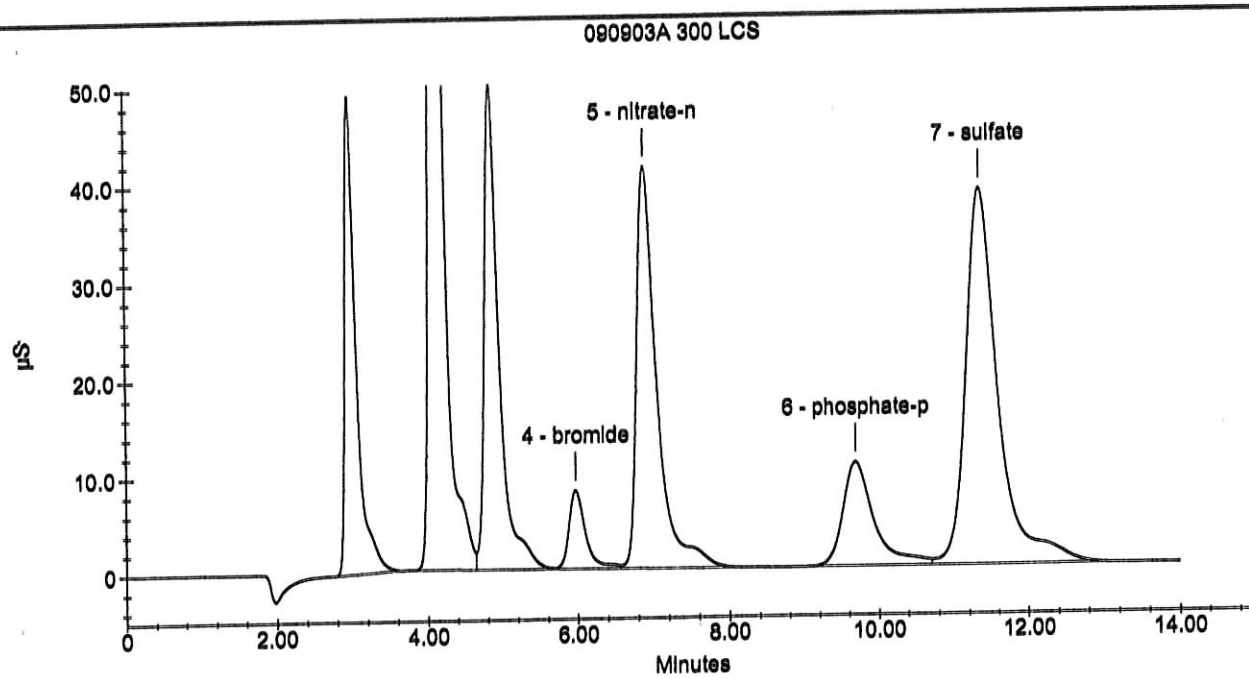
Sample Analysis Report

Sample Name : 090903A 300 LCS
Data File Name : i:\dionex\d1anions\data\090903a\090903A_101.DXD

Method File Name : i:\dionex\d1anions\methods\epa300 09-01-09low.met
Date Time Collected : 9/4/09 13:48:09
System Operator : pd
Injection Number : 101
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	4.8812	5029075	491514	
2	4.12	chloride	23.6833	17489218	1660312	
3	4.85	nitrite-n	5.1413	6742475	498920	+
4	5.97	bromide	4.7595	1238369	80777	
5	6.89	nitrate-n	4.7972	7589265	412808	
6	9.69	phosphate-p	4.7020	3105701	107018	
7	11.36	sulfate	24.3133	11520754	386614	



Sample Analysis Report

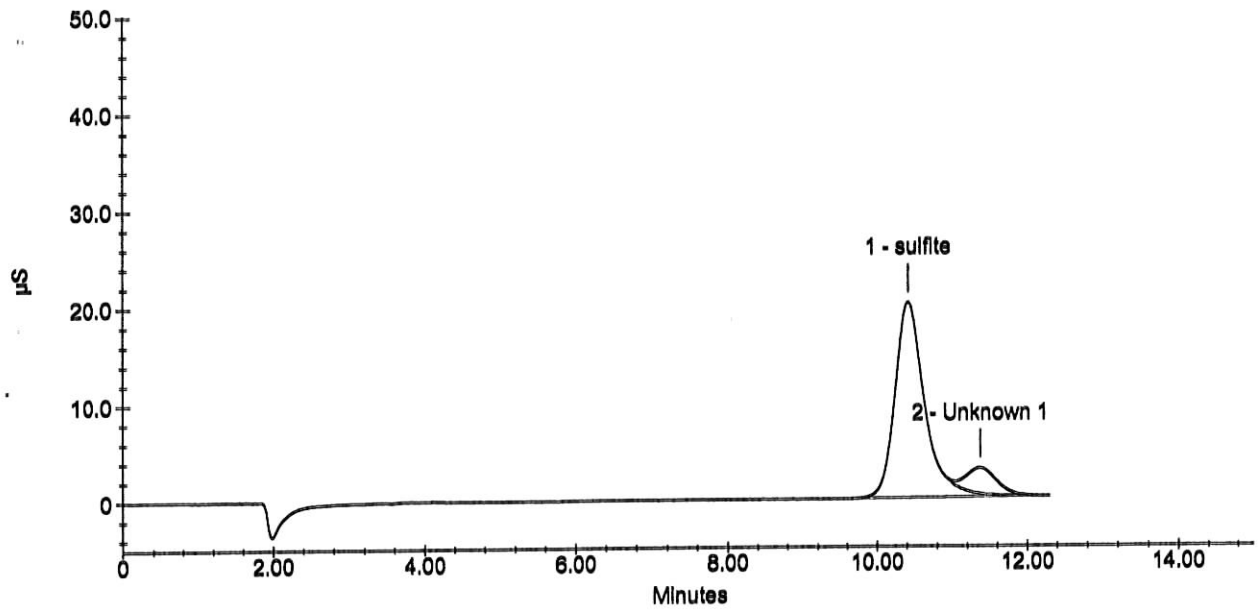
Sample Name : 090903A Sulfite LCS
Data File Name : i:\dionex\d1anions\data\090903a\090903A_104.DXD

Method File Name : i:\dionex\d1anions\methods\epasufite 08-25-09low.met
Date Time Collected : 9/4/09 14:44:18
System Operator : pd
Injection Number : 104
Multiplier : 1.00

Peak Information : All Peaks

Peak Number	Peak Retention Time	Component Name	Component Amount (mg/L)	Peak Area	Peak Height	Limit Exceed
1	10.41	sulfite	22.6926	5521440	200910	
2	11.37	Unknown 1	0.0000	744899	26802	

090903A Sulfite LCS



PD

PD
08/25/09
08/26/09

Hexavalent Chromium - EPA Method 7199/218.6 prepared 08/25/09

Intermediate Stock Standards

1mL	100ppm	Cr+6 Intermediate EXP.02/01/1	/100 mL DI H2O	=> 1000ppb	Cr+6
1mL	100ppm	Cr+6 Intermediate EXP.02/01/1	/100 mLs DI H2O	=> 1000ppb	Cr+6 ICV

Calibration Standards

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

LCS/LCSD

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

MS/MSD

0.25mL	1000ppb	Cr+6 perpared 8/25//09	/25 mL sample	=> 10ppb	Cr+6

All standards expire: 08/26/09

08/25/06
P.O

Sulfite STD

Primary STD for Sulfite:

① Sodium Sulfite Anhydrous from Mallinckrodt
Lot # 8064 KEAZ po 08/25/06
Weight 1.5742 g of ~~Na_2SO_3~~ Na_2SO_3 dilute to 1000 ml/ Dz H2O → 1000 ppm Sulfite

② Second Source STD 1000 ppm
Lot # H37338
Weight 1.5742 g of Na_2SO_3 from J.T. Baker → 1 L with Dz Water → 1000 ppm SO_3

Working STD:	Volume of stock	Final Volume
ICal 8 100 ppm	10 ml	100 ml
ICal 7 50 ppm	5.0 ml	100 ml
ICal 6 25 ppm	2.5 ml	100 ml
ICal 5 10 ppm	1.0 ml	100 ml

Standards Prep Log Book# 53 page# 031

P.D
08/25/09 Working STD Volume of Stock final volume
Exp ICal 4 5 ppm 0.5ml 1000ml
08/26/09 ICal 3 2.5 ppm 5ml of ICal 6 100ml 50ml
ICal 2 1.0 ppm 5ml of ICal 5 P.D 08/25/09 120ml 50ml
ICal 1 0.5 ppm 5ml of ICal 4 50ml

P.D 08/25/09
ICV. 25ml of 1000ppm ICV STD → 100ml/DI H2O
Give 25 ppm SO3

CCV 2.5ml of STOCK 1000ppm STD Primary Source
→ 100ml with D2 H2O → 25 ppm SO3

[illegible] 8/26/09

Standards for Ferrous Iron

Ferrous Iron Standard Solution, 200µg/mL: Add 10mL conc.H_2SO_4 (G35026 JT Baker) to 50mL DI and dissolve 0.702gm Ferrous Ammonium Sulfate (EM Science Lot 40188002.) Dilute to a final volume of 500mL. (Solution is stable for 7 days)

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

ICV 200µg/mL: Add 10mL of conc. H_2SO_4 (G35026 JT Baker) to 50mL DI And dissolve 0.702gm Ferrous Ammonium Sulfate (5064KBJZ Mallinckrodt) and Dilute to final volume of 500mL DI
(This solution is good for 7 days)

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

8-27-09 EPA 218.6 Cr^{+6}
1ml x 100ppm Cr^{+6} (8-10-09) → 1000 ppb Cr^{+6}
1ml x 1000 ppb Cr^{+6} (8-27-09
CK (4) 8-27-09

Book Editor
P.D
09/03/09
Exp 09/04/09
Book Editor

Prepared CCV as ICal #6 in page # 029
Stock ①: Weight 1.5744 g of Na_2SO_3 → 100 ml/DI.
Pipet 0.250 ml of stock SO_3 ① → 100 ml/DI.
Concentration of CCV: 25 ppm

09/04/09
P.D
Exp 09/05/09

Prepared CCV as above for SO_3
Exp 09/05/09

09/09/09
P.D
Exp 09/10/09

Prepared CCV as above for SO_3
Exp 09/10/09

300/9056 Injection Log

Directory: I:\Dionex\D1Anions\data\

RunID	Injected		Sample Name	Misc Info	FileName	Multiplier
12	25 Aug 2009	12:26	sulfite090825AICAL#1		090825a	1.
13	25 Aug 2009	12:41	sulfite090825AICAL#2		090825a	1.
14	25 Aug 2009	12:57	sulfite090825AICAL#3		090825a	1.
15	25 Aug 2009	13:12	sulfite090825AICAL#4		090825a	1.
16	25 Aug 2009	13:28	sulfite090825AICAL#5		090825a	1.
17	25 Aug 2009	13:43	sulfite090825AICAL#6		090825a	1.
18	25 Aug 2009	13:59	sulfite090825AICAL#7		090825a	1.
22	25 Aug 2009	15:12	sulfite 090825 icb		090825a	1.
23	25 Aug 2009	15:28	sulfite 090825 icv 25.0PPM		090825a	1.
25	25 Aug 2009	16:09	sulfite 090825 ccb		090825a	1.
26	25 Aug 2009	16:24	sulfite 090825 CCV 25.00PPM		090825a	1.

300/9056 Injection Log

Directory: I:\Dionex\D1Anions\data\

RunID	Injected		Sample Name	Misc Info	FileName	Multiplier
7	01 Sep 2009	09:49	090901AICAL#1		090901A	1.
8	01 Sep 2009	10:05	090901AICAL#2		090901A	1.
9	01 Sep 2009	10:22	090901AICAL#3		090901A	1.
10	01 Sep 2009	10:39	090901AICAL#4		090901A	1.
11	01 Sep 2009	10:56	090901AICAL#5		090901A	1.
12	01 Sep 2009	11:13	090901AICAL#6		090901A	1.
14	01 Sep 2009	11:46	090901AICAL#7		090901A	1.
15	01 Sep 2009	12:03	090901A ICV		090901A	1.
16	01 Sep 2009	12:20	090901A ICB		090901A	1.
19	01 Sep 2009	13:10	090901A CCV		090901A	1.
20	01 Sep 2009	13:27	090901A CCB		090901A	1.

300/9056 Injection Log

Directory: I:\Dionex\D1Anions\data\

RunID	Injected		Sample Name	Misc Info	FileName	Multiplier
22	08 Sep 2009	17:54	090908AICAL#1		090908a	1.
23	08 Sep 2009	18:11	090908AICAL#2		090908a	1.
24	08 Sep 2009	18:28	090908AICAL#3		090908a	1.
25	08 Sep 2009	18:44	090908AICAL#4		090908a	1.
26	08 Sep 2009	19:01	090908AICAL#5		090908a	1.
27	08 Sep 2009	19:18	090908AICAL#6		090908a	1.
29	08 Sep 2009	19:51	090908AICAL#7		090908a	1.
30	08 Sep 2009	20:08	090908A ICV		090908a	1.
31	08 Sep 2009	20:25	090908A ICB		090908a	1.
33	08 Sep 2009	20:58	090908A CCV		090908a	1.
34	08 Sep 2009	21:15	090908A CCB		090908a	1.

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

Injection:	Sample Name:	Date Time Collected:
2	090909A 300 /SULFITE CCB	09/09/09 9:10
3	090909A 300 CCV	09/09/09 9:26
4	090909A 300 LCS	09/09/09 9:43
8	090909A sulfite CCV	09/09/09 10:49
12	090909A sulfite LCS	09/09/09 11:54
14	AY02579W01 1/5	09/09/09 12:37
19	090909A sulfite CCV	09/09/09 14:01
21	090909A 300 /SULFITE CCB	09/09/09 14:31
22	090909A 300 CCV	09/09/09 14:46

APPL, Inc.
Analysis listing Dionex
9/3/2009

Injection:	Sample Name:	Date Time Collected:
2	090903A CCV	9/3/2009 9:20
3	090903A Sulfite CCV	9/3/2009 9:37
5	090903A 300/Sulfite BLK	9/3/2009 10:09
6	090903A 300 LCS	9/3/2009 10:26
7	090903A Sulfite LCS	9/3/2009 10:42
14	AY02559w01 1/5	9/3/2009 12:39
15	AY02560W01 1/5	9/3/2009 12:56
16	AY02561W01 1/5	9/3/2009 13:12
17	AY02562W01 1/5	9/3/2009 13:29
23	090903A 300 CCV	9/3/2009 15:12
24	090903A Sulfite CCV	9/3/2009 15:30
26	090903A 300/Sulfite BLK	9/3/2009 16:02
30	AY02563W01 1/5	9/3/2009 17:27
31	AY02564W01 1/5	9/3/2009 17:44
32	AY02565W01 1/5	9/3/2009 18:01
33	AY02566W01 1/5	9/3/2009 18:17
34	AY02567W01 1/5	9/3/2009 18:34
35	AY02568W01 1/5	9/3/2009 18:51
36	AY02569W01 1/5	9/3/2009 19:07
37	AY02570W01 1/5	9/3/2009 19:24
38	090903A 300 ccv	9/3/2009 19:41
39	090903A 300 LCS	9/3/2009 19:57
43	090903A Sulfite CCV	9/3/2009 20:52
44	090903A Sulfite LCS	9/3/2009 21:08
46	090903A 300/Sulfite BLK	9/3/2009 21:40
47	AY02571W01 1/5	9/3/2009 21:57
48	AY02572W01 1/5	9/3/2009 22:13
49	AY02573W01 1/5	9/3/2009 22:30
50	AY02574W01 1/5	9/3/2009 22:47
51	AY02575W01 1/5	9/3/2009 23:03
52	AY02576W01 1/5	9/3/2009 23:20
53	AY02577W01 1/5	9/3/2009 23:37
54	AY02578W01 1/5	9/3/2009 23:53
56	AY02580W01 1/5	9/4/2009 1:08
57	090903A Sulfite CCV	9/4/2009 1:38
58	090903A 300 CCV	9/4/2009 1:54
59	090903A 300/Sulfite BLK	9/4/2009 2:11
61	AY02581W01 1/5	9/4/2009 2:44
62	AY02582W01 1/5	9/4/2009 3:01
63	AY02583W01 1/5	9/4/2009 3:17
64	AY02584W01 1/5	9/4/2009 3:34
65	AY02585W01 1/5	9/4/2009 3:51
66	AY02586W01 1/5	9/4/2009 4:07
67	AY02587W01 1/5	9/4/2009 4:24
68	AY02588W01 1/5	9/4/2009 4:41
69	AY02589W01 1/5	9/4/2009 4:57

70	AY02590W01 1/5	9/4/2009 5:14
71	090903A 300 CCV	9/4/2009 5:30
72	090903A 300 LCS	9/4/2009 5:47
73	090903A Sulfite CCV	9/4/2009 6:04
74	090903A Sulfite LCS	9/4/2009 6:20
75	090903A 300/Sulfite BLK	9/4/2009 6:36
77	AY02591W01 1/5	9/4/2009 7:09
78	AY02592W01 1/5	9/4/2009 7:26
79	AY02593W01 1/5	9/4/2009 7:42
80	AY02594W01 1/5	9/4/2009 7:59
81	AY02595W01 1/5	9/4/2009 8:15
82	AY02596W01 1/5	9/4/2009 8:32
83	AY02597W01 1/5	9/4/2009 8:49
84	AY02598W01 1/5	9/4/2009 9:05
85	AY02599W01 1/5	9/4/2009 9:22
86	AY02600W01 1/5	9/4/2009 9:39
87	090903A 300 CCV	9/4/2009 9:55
88	090903A Sulfite CCV	9/4/2009 10:12
89	090903A 300/Sulfite BLK	9/4/2009 10:28
90	AY02601W01 1/5	9/4/2009 10:44
91	AY02602W01 1/5	9/4/2009 11:01
92	AY02603W01 1/5	9/4/2009 11:18
93	AY02604W01 1/5	9/4/2009 11:34
94	AY02605W01 1/5	9/4/2009 11:51
95	AY02606W01 1/5	9/4/2009 12:08
96	AY02607W01 1/5	9/4/2009 12:24
97	AY02608W01 1/5	9/4/2009 12:41
98	AY02609W01 1/5	9/4/2009 12:58
99	AY02610W01 1/5	9/4/2009 13:14
100	090903A 300 CCV	9/4/2009 13:31
101	090903A 300 LCS	9/4/2009 13:48
103	090903A Sulfite CCV	9/4/2009 14:29
104	090903A Sulfite LCS	9/4/2009 14:44
106	090903A 300/Sulfite BLK	9/4/2009 15:18
107	AY02611W01 1/5	9/4/2009 15:34
110	AY02614W01 1/5	9/4/2009 18:32
111	AY02615W01 1/5	9/4/2009 18:49
112	AY02616W01 1/5	9/4/2009 19:05
113	AY02617W01 1/5	9/4/2009 19:22
114	AY02618W01 1/5	9/4/2009 19:38
115	AY02619W01 1/5	9/4/2009 19:55
116	AY02620W01 1/5	9/4/2009 20:11
117	AY02612W01 1/5	9/4/2009 20:28
118	AY02613W01 1/5	9/4/2009 20:45
121	090903A Sulfite CCV	9/4/2009 21:56
122	090903A 300 CCV	9/4/2009 22:13
123	090903A 300/Sulfite BLK	9/4/2009 22:30