

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES



January 21, 2009

Ms. Sheri O'Connor
URS
8181 E. Tufts Ave
Denver, CO 80237

Re: ALS Paragon Workorder: 09-01-040
Client Project Name: Williams-Rio Blanca
Client Project Number: 22240417.00001

Dear Ms. O'Connor:

Five water samples were received from URS on January 9, 2008. The samples were scheduled for Metals (pages 1-301) and Inorganics (pages 1-103) analyses.

The results for these analyses are contained in the enclosed reports.

Thank you for your confidence in ALS Paragon. Should you have any questions, please call.

Sincerely,

ALS Paragon
Debbie Fazio
Project Manager

DJF/eh

Enclosure (s): CD and Anion/Cation Summary Report

Anion / Cation Summary Report

Lab ID: 0901040-1

QC Type: SMP

Field ID FE-RG-24-13-398-PW-GPTF

Analyte	Final Result	Report Units	mEq
BICARBONATE AS CaCO3	980.7294	MG/L	19.60
CHLORIDE	6164.362	MG/L	173.87
FLUORIDE	2	MG/L	0.00
NITRATE AS N	4	MG/L	0.00
NITRITE AS N	2	MG/L	0.00
SULFATE	20	MG/L	0.00

Anion Result Sum 7173.09

Analyte	Final Result	Report Units	mEq
CALCIUM	60.15832	MG/L	3.00
IRON	8.354776	MG/L	0.45
MAGNESIUM	10	MG/L	0.00
MANGANESE	0.16082	MG/L	0.01
POTASSIUM	196.6293	MG/L	5.03
SODIUM	3714.614	MG/L	161.58

Cation Result Sum 3989.92

Total Result: 11163.01 MG/L

TDS Result: 10940.001 MG/L

RPD: 2.02%

Anion mEq Sum: 193.47

Cation mEq Sum: 170.06

RPD: 12.88%

Lab ID: 0901040-2

QC Type: SMP

Field ID FE-RG-13-1-398-PW-GPTF

Analyte	Final Result	Report Units	mEq
BICARBONATE AS CaCO3	902.2709	MG/L	18.03
CHLORIDE	9139.668	MG/L	257.80
FLUORIDE	2	MG/L	0.00
NITRATE AS N	4	MG/L	0.00
NITRITE AS N	2	MG/L	0.00
SULFATE	25.77855	MG/L	0.54

Anion Result Sum 10075.72

Analyte	Final Result	Report Units	mEq
CALCIUM	168.5535	MG/L	8.41
IRON	62.05185	MG/L	3.33
MAGNESIUM	15.53912	MG/L	1.28
MANGANESE	0.9914501	MG/L	0.04
POTASSIUM	325.6814	MG/L	8.33
SODIUM	4764.043	MG/L	207.22

Cation Result Sum 5336.86

Total Result: 15412.58 MG/L

TDS Result: 15240.001 MG/L

RPD: 1.13%

Anion mEq Sum: 276.36

Cation mEq Sum: 228.61

RPD: 18.91%

Lab ID: 0901040-3

QC Type: SMP

Field ID FE-RG-12-4-398-PW-GPTF

Analyte	Final Result	Report Units	mEq
BICARBONATE AS CaCO3	1382.828	MG/L	27.63
CHLORIDE	8481.543	MG/L	239.23
FLUORIDE	2	MG/L	0.00
NITRATE AS N	4	MG/L	0.00
NITRITE AS N	2	MG/L	0.00

Anion / Cation Summary Report

SULFATE	20	MG/L	0.00
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Anion Result Sum	9892.37
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Analyte	Final Result	Report Units	mEq
CALCIUM	134.3934	MG/L	6.71
IRON	4.437858	MG/L	0.24
MAGNESIUM	14.83565	MG/L	1.22
MANGANESE	0.11653	MG/L	0.00
POTASSIUM	373.2994	MG/L	9.55
SODIUM	4749.913	MG/L	206.61

Cation Result Sum	5277.00
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Total Result: **15169.37** MG/L

Anion mEq Sum: **266.87**

TDS Result: **14480.001** MG/L

Cation mEq Sum: **224.33**

RPD: **4.65%**

RPD: **17.32%**

Lab ID: **0901040-4**

QC Type: SMP

Field ID FE-RG-31-8-398-PW-GPTF

Analyte	Final Result	Report Units	mEq
BICARBONATE AS CaCO3	1596.627	MG/L	31.91
CHLORIDE	3006.436	MG/L	84.80
FLUORIDE	1	MG/L	0.00
NITRATE AS N	2	MG/L	0.00
NITRITE AS N	1	MG/L	0.00
SULFATE	12.47857	MG/L	0.26

Anion Result Sum	4619.54
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Analyte	Final Result	Report Units	mEq
CALCIUM	34.35605	MG/L	1.71
IRON	15.2443	MG/L	0.82
MAGNESIUM	10	MG/L	0.00
MANGANESE	0.13369	MG/L	0.00
POTASSIUM	138.8222	MG/L	3.55
SODIUM	2434.671	MG/L	105.90

Cation Result Sum	2633.23
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Total Result: **7252.77** MG/L

Anion mEq Sum: **116.97**

TDS Result: **7650.0005** MG/L

Cation mEq Sum: **111.99**

RPD: **5.33%**

RPD: **4.35%**

Lab ID: **0901040-5**

QC Type: SMP

Field ID FE-RG-24-20-398-PW-GPTF

Analyte	Final Result	Report Units	mEq
BICARBONATE AS CaCO3	1963.42	MG/L	39.24
CHLORIDE	3440.827	MG/L	97.05
FLUORIDE	1	MG/L	0.00
NITRATE AS N	2	MG/L	0.00
NITRITE AS N	1	MG/L	0.00
SULFATE	25.78328	MG/L	0.54

Anion Result Sum	5434.03
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Analyte	Final Result	Report Units	mEq
CALCIUM	27.59928	MG/L	1.38
IRON	7.105319	MG/L	0.38
MAGNESIUM	10	MG/L	0.00
MANGANESE	0.08450001	MG/L	0.00
POTASSIUM	149.7092	MG/L	3.83

Anion / Cation Summary Report

SODIUM	2978.018	MG/L	129.54
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Cation Result Sum	3172.52
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Total Result:	8606.55	MG/L
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TDS Result:	8720	MG/L
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RPD:	1.31%
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Anion mEq Sum:	136.83
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Cation mEq Sum:	135.13
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RPD:	1.25%
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Below is a list of Lab IDs for this Order Number that were logged in for metals analyses. Note: if this area is empty then either no metals analyses were requested or the cations of interest were not requested.

0901040-1	0901040-2	0901040-3	0901040-4	0901040-5
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ALS Paragon

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0901040

Client Name: URS

Client Project Name: Williams-Rio Blanca

Client Project Number: 22240417.00001

Client PO Number: Williams 2008

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
FE-RG-24-13-398-PW-GPTF	0901040-1		WATER	07-Jan-09	9:00
FE-RG-13-1-398-PW-GPTF	0901040-2		WATER	07-Jan-09	10:13
FE-RG-12-4-398-PW-GPTF	0901040-3		WATER	07-Jan-09	11:15
FE-RG-31-8-398-PW-GPTF	0901040-4		WATER	07-Jan-09	11:35
FE-RG-24-20-398-PW-GPTF	0901040-5		WATER	07-Jan-09	13:00

Pink – sample management

CONDITION OF SAMPLE UPON RECEIPT FORM

Paragon Analytics

Client: URSWorkorder No: 0701040Project Manager: DFInitials: CDTDate: 1-9-09

1. Does this project require any special handling in addition to standard Paragon procedures?	YES	<input checked="" type="radio"/> NO
2. Are custody seals on shipping containers intact?	<input checked="" type="radio"/> NONE	YES NO
3. Are Custody seals on sample containers intact?	<input checked="" type="radio"/> NONE	YES NO
4. Is there a COC (Chain-of-Custody) present or other representative documents?	<input checked="" type="radio"/> YES	YES NO
5. Are the COC and bottle labels complete and legible ?	<input checked="" type="radio"/> YES	<input checked="" type="radio"/> NO
6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)	<input checked="" type="radio"/> YES	YES NO
7. Were airbills / shipping documents present and/or removable?	DROP OFF <input checked="" type="radio"/> YES	YES NO
8. Are all aqueous samples requiring preservation preserved correctly ? (excluding volatiles)	N/A	YES <input checked="" type="radio"/> NO
9. Are all aqueous non-preserved samples pH 4-9 ?	N/A	<input checked="" type="radio"/> YES NO
10. Is there sufficient sample for the requested analyses?	<input checked="" type="radio"/> YES	YES NO
11. Were all samples placed in the proper containers for the requested analyses?	<input checked="" type="radio"/> YES	YES NO
12. Are all samples within holding times for the requested analyses?	<input checked="" type="radio"/> YES	YES NO
13. Were all sample containers received intact ? (not broken or leaking, etc.)	<input checked="" type="radio"/> YES	YES NO
14. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: _____ < green pea _____ > green pea	<input checked="" type="radio"/> N/A	YES NO
15. Do perchlorate LCMS-MS samples have headspace? (at least 1/3 of container required)	<input checked="" type="radio"/> N/A	YES NO
16. Were samples checked for and free from the presence of residual chlorine ? (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	<input checked="" type="radio"/> N/A	YES NO
17. Were the samples shipped on ice ?	<input checked="" type="radio"/> YES	YES NO
18. Were cooler temperatures measured at 0.1-6.0°C? IR gun used*: #2 <input checked="" type="radio"/> #4	RAD ONLY <input checked="" type="radio"/> YES	YES NO
Cooler #: <u>1</u>		
Temperature (°C): <u>3.0</u>		
No. of custody seals on cooler: <u>0</u>		
DOT Survey/ Acceptance Information	External µR/hr reading: <u>13</u>	
	Background µR/hr reading: <u>11</u>	
Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? <input checked="" type="radio"/> YES / NO / NA (If no, see Form 008.)		

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND #16.

Times: Sample 1 - 900 A | Original pH all samples - 5. 2ml concentrated
 2 - 1013 A | HNO₃ added @ 1145 on 1-9-09. Samples 1-4 final
 3 - 1115 A | pH 2 Sample 5 final pH 3 HNO₃ lot no.
 4 - 1135 A | G04026.
 5 - 100 P

If applicable, was the client contacted? ☒ YES / NO / NAContact: Shari O'ConnorDate/Time: 1/9/09

Project Manager Signature / Date:

Debbie Fazio 1/9/09Login email

*IR Gun #2: Oakton, SN 29922500201-0066

*IR Gun #4: Oakton, SN 2372220101-0002

23
1-9-09

CONDITION OF SAMPLE UPON RECEIPT FORM

Paragon Analytics

Client: URS CorpWorkorder No: 0901040Project Manager: DJFInitials: df Date: 1/9/09**Additional Information:**

Some samples were received with insufficient time remaining to meet NO₂, NO₃ and Ophos holding times. Specifics will be narrated.

Was the laboratory directed to proceed with the analysis of any samples yielding the presence of residual chlorine? YES / NO / NA

NOTE:

No pH adjustments shall be made without prior consent of Project Manager. After pH adjustments, hold metals and radchem samples ≥ 24 hrs. before analysis.

Was the pH of any sample adjusted by the laboratory? YES (See Table below) / NO

pH Excursion:

Paragon Sample ID	Client Sample ID	Initial pH	Final pH	Reagent Used	Volume Added (mL)	Lot No. of Reagent	Requested Analysis	Initials / Date / Time

If applicable, was the client contacted? YES / NO / NA Contact: Sheri O'Connor Date/Time: 1/9/09
Project Manager Signature / Date: Debbie Fazio 1/9/09 login email

1 From This portion can be removed for Recipient's records.

Date 1/8/09 FedEx Tracking Number 867568776598

Sender's Name DAVID SLACK Phone 970 384-4741

Company URS CORP

Address 713 COOPER AVE STE 100

City GLENWOOD SPRINGS State CO ZIP 81601-3425

2 Your Internal Billing Reference 22240417.54210.00001

3 To Recipient's Name DEB FAZIO Phone 970 490-1511

Company PARAGON ANALYTICS

Recipient's Address 225 COMMERCE DRIVE

We cannot deliver to P.O. boxes or P.O. ZIP codes

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City FORT COLLINS State CO ZIP 80524

0394215400



8675 6877 6598

RECIPIENT: PEEL HERE

Recipient

4a Express Package Service

☒ FedEx Priority Overnight
Next business morning, *Friday
shipments will be delivered on Monday
unless SATURDAY Delivery is selected.

☐ FedEx 2Day
Second business day, *Thursday
shipments will be delivered on Monday
unless SATURDAY Delivery is selected.
* Call for Confirmation.

☐ FedEx Express Saver
Third business day, *Saturday Delivery NOT available.
Minimum charge: One-pound rate.

3.00

4b Express Freight Service

☐ FedEx 1Day Freight*
Next business day, **Friday
shipments will be delivered on Monday
unless SATURDAY Delivery is selected.
* Call for Confirmation.

☐ FedEx Pak*
Includes FedEx Small Pak,
FedEx Large Pak, and FedEx Surety Pak.

☐ FedEx Envelope*
☐ FedEx Pak*
☐ FedEx Box
☐ FedEx Tube

☐ FedEx Tube

5 Packaging

☐ Special Handling

☐ SATURDAY Delivery

☐ HOLD Weekday at FedEx Location

☐ HOLD Sat at FedEx Location

☐ Does this shipment contain dangerous goods?

☒ No ☐ Yes ☐ Shipper's Declaration not required.

☐ Dry Ice ☐ Dry Ice 3, UN1845

☐ Cargo Aircraft

☐ Payment Bill to: ☐ Recipient ☐ Third Party ☐ Credit Card

☐ Sender ☐ Recipient ☐ Third Party ☐ Credit Card

☐ Total Packages ☐ Total Weight

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ALS Paragon



Inorganics Case Narrative

URS

Williams-Rio Blanca -- 22240417.00001

Work Order Number: 0901040

1. This report consists of 5 water samples.
2. The samples were received cool and intact by ALS Paragon on 01/09/09.
3. The samples were prepared for analysis based on SW-846, 3rd Edition procedures, Methods for the Chemical Analysis of Waters and Wastes (MCAWW), May 1994 procedures, and Environmental Monitoring Systems Laboratory (EMSL) Rev 2.1 procedures.
4. The samples were analyzed following SW-846, MCAWW, and EMSL procedures for the following methods:

<u>Analyte</u>	<u>Method</u>	<u>SOP #</u>
Alkalinity	310.1	1106 Rev 7
Bicarbonate	310.1	1106 Rev 7
Carbonate	310.1	1106 Rev 7
pH	9040B	1126 Rev 16
TDS	160.1	1101 Rev 10
Bromide	300.0	1113 Rev 11
Chloride	300.0	1113 Rev 11
Fluoride	300.0	1113 Rev 11
Nitrate as N	300.0	1113 Rev 11
Nitrite as N	300.0	1113 Rev 11
Orthophosphate as P	300.0	1113 Rev 11
Sulfate	300.0	1113 Rev 11

5. All standards and solutions were used within their recommended shelf life.
6. The samples were prepared and analyzed within the established hold time for each analysis with the exception of samples 0901040-1, -2, and -3 for nitrate as N, nitrite as N, and orthophosphate as P. The samples were received with insufficient time remaining to meet the holding time. The client has been notified.



All in house quality control procedures were followed, as described below.

7. General quality control procedures.

- n A preparation (method) blank and laboratory control sample (LCS) were prepared and analyzed with the samples in each applicable preparation batch. There were not more than 20 samples in each preparation batch.
- n The method blank associated with each applicable batch was below the reporting limit for the requested analytes. This indicates that no contaminants were introduced to the samples during preparation and analysis.
- n The LCS was within the acceptance limits for each applicable analysis.
- n All initial and continuing calibration blanks (ICB/CCB) associated with each applicable analytical batch were below the reporting limit for the requested analytes with the exception of CCB2 thru CCB4 for chloride. The samples bracketed by these CCBs contained more than ten times the concentration of chloride that was detected in the CCBs.
- n All initial and continuing calibration verifications (ICV/CCV) associated with each applicable analytical batch were within the acceptance criteria for the requested analytes with the exception of CCV4 for fluoride. The analyte that exceeded acceptance criteria was not reported from the samples bracketed by this CCV.

8. Matrix specific quality control procedures.

Sample 0901040-1 was designated as the quality control sample for the pH analysis. Per method requirements, matrix QC was performed for the remaining analyses. Since a sample from this order number was not the selected quality control (QC) sample, matrix specific QC results are not included in this report.

Similarity of matrix and therefore relevance of the QC results should not be automatically inferred for any sample other than the native sample selected for QC.

- n A sample duplicate was prepared and analyzed with the pH batch. All guidance criteria for precision were met.
9. Electrical conductivity screening indicated that the concentration of dissolved salts was high in the samples. Therefore, it was necessary to dilute the samples prior to injection into the ion chromatograph in order to minimize the amount of salts loaded into the analytical column.

It was necessary to further dilute the samples in order to bring the chloride concentrations into the analytical range of the ion chromatograph (IC).

Reduced aliquots were taken of the samples for the alkalinity, bicarbonate, and carbonate analysis. Reporting limits were elevated accordingly.

Reduced aliquots were taken of the samples for the TDS analysis. Reporting limits were elevated accordingly.



10. Manual integrations are performed when needed to provide consistent and defensible data following the guidelines in SOP 939 Revision 3. Whenever manual integrations are performed, before and after chromatograms of the peak that were manually integrated are included in the report along with the reason why the re-integration was necessary.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS Paragon certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Megan Johnson
Megan Johnson
Inorganics Primary Data Reviewer

1/20/09
Date

Q. A. L.
Inorganics Final Data Reviewer

1/19/09
Date



Inorganic Data Reporting Qualifiers

The following qualifiers are used by the laboratory when reporting results of inorganic analyses.

- Concentration qualifier -- A “J” is entered if the reported value was obtained from a reading that was less than the Reporting Limit but greater than or equal to ALS Paragon’s Method Detection Limit. If the analyte was analyzed for but not detected a “U” is entered.
- QC qualifier -- Specified entries and their meanings are as follows:
 - N - Spiked sample recovery not within control limits.
 - * - Duplicate analysis (relative percent difference) not within control limits.
 - Z - Calibration spike recovery not within control limits.

ALS Paragon

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0901040

Client Name: URS

Client Project Name: Williams-Rio Blanca

Client Project Number: 22240417.00001

Client PO Number: Williams 2008

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
FE-RG-24-13-398-PW-GPTF	0901040-1		WATER	07-Jan-09	9:00
FE-RG-13-1-398-PW-GPTF	0901040-2		WATER	07-Jan-09	10:13
FE-RG-12-4-398-PW-GPTF	0901040-3		WATER	07-Jan-09	11:15
FE-RG-31-8-398-PW-GPTF	0901040-4		WATER	07-Jan-09	11:35
FE-RG-24-20-398-PW-GPTF	0901040-5		WATER	07-Jan-09	13:00

Chain of Custody

[illegible]

CONDITION OF SAMPLE UPON RECEIPT FORM

Paragon Analytics

Client: URS
Project Manager: DFWorkorder No: 0701040
Initials: CDT Date: 1-9-09

1. Does this project require any special handling in addition to standard Paragon procedures?	YES	<input checked="" type="radio"/> NO
2. Are custody seals on shipping containers intact?	<input checked="" type="radio"/> NONE	YES NO
3. Are Custody seals on sample containers intact?	<input checked="" type="radio"/> NONE	YES NO
4. Is there a COC (Chain-of-Custody) present or other representative documents?	<input checked="" type="radio"/> YES	YES NO
5. Are the COC and bottle labels complete and legible ?	<input checked="" type="radio"/> YES	<input checked="" type="radio"/> NO
6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)	<input checked="" type="radio"/> YES	YES NO
7. Were airbills / shipping documents present and/or removable?	DROP OFF <input checked="" type="radio"/> YES	YES NO
8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles)	N/A	YES <input checked="" type="radio"/> NO
9. Are all aqueous non-preserved samples pH 4-9?	N/A	<input checked="" type="radio"/> YES NO
10. Is there sufficient sample for the requested analyses?	<input checked="" type="radio"/> YES	YES NO
11. Were all samples placed in the proper containers for the requested analyses?	<input checked="" type="radio"/> YES	YES NO
12. Are all samples within holding times for the requested analyses?	<input checked="" type="radio"/> YES	YES NO
13. Were all sample containers received intact? (not broken or leaking, etc.)	<input checked="" type="radio"/> YES	YES NO
14. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: _____ < green pea _____ > green pea	<input checked="" type="radio"/> N/A	YES NO
15. Do perchlorate LCMS-MS samples have headspace? (at least 1/3 of container required)	<input checked="" type="radio"/> N/A	YES NO
16. Were samples checked for and free from the presence of residual chlorine? (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	<input checked="" type="radio"/> N/A	YES NO
17. Were the samples shipped on ice?	<input checked="" type="radio"/> YES	YES NO
18. Were cooler temperatures measured at 0.1-6.0°C? IR gun used*: #2 <input checked="" type="radio"/> #4	RAD ONLY <input checked="" type="radio"/> YES	YES NO
Cooler #: <u>1</u>		
Temperature (°C): <u>3.0</u>		
No. of custody seals on cooler: <u>0</u>		
External µR/hr reading: <u>13</u>		
Background µR/hr reading: <u>11</u>		
Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? <input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> NA (If no. see Form 008.)		

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND #16.

Times: Sample 1 - 900 A | Original pH all samples - 5. 2ml concentrated
 2 - 1013 A | HNO₃ added @ 1145 on 1-9-09. Samples 1-4 final
 3 - 1115 A | pH < 2 Sample 5 final pH 3 HNO₃ lot no.
 4 - 1135 A | G04026.
 5 - 100 P

If applicable, was the client contacted? ☒ YES ☐ NO ☐ NAContact: Shari O'ConnorDate/Time: 1/9/09

Project Manager Signature / Date:

Dubie Fazio 1/9/09Logio email

*IR Gun #2: Oakton, SN 29922500201-0066

*IR Gun #4: Oakton, SN 2372220101-0002

CONDITION OF SAMPLE UPON RECEIPT FORM

Paragon Analytics

Client: URS Corp Workorder No: 0901040
Project Manager: DJF Initials: df Date: 1/9/09

Additional Information:

Some samples were received with insufficient time remaining to meet NO₂, NO₃ and Ophos holding times. Specifics will be narrated.

Was the laboratory directed to proceed with the analysis of any samples yielding the presence of residual chlorine? **YES / NO / NA**

NOTE:

No pH adjustments shall be made without prior consent of Project Manager. After pH adjustments, hold metals and radchem samples ≥ 24 hrs. before analysis.

Was the pH of any sample adjusted by the laboratory? **YES (See Table below) / NO**

pH Excursion:

Paragon Sample ID	Client Sample ID	Initial pH	Final pH	Reagent Used	Volume Added (mL)	Lot No. of Reagent	Requested Analysis	Initials / Date / Time

If applicable, was the client contacted? **YES** / NO / NA Contact: Sheri O'Connor

Date/Time: 1/9/09

Project Manager Signature / Date: Debbie Fazio 1/9/09

login email

FedEx® *USAirbill*
Express

 FedEx
Tracking
Number

8675 6877 6598

1 From This portion can be removed for Recipient's records.

Date 1/8/01 FedEx Tracking Number

Sender's Name DAVID SLACK

Phone 970 384-4741

Company URS CORP

Address 710 COOPER AVE STE 100

Dept./Floor/Suite/Room

City GLENWOOD SPRINGS State CO ZIP 81601-3425

2 Your Internal Billing Reference 22240417.54210.00001

3 To

Recipient's Name DEB FAZIO Phone 970 490-1511

Company PARAGON ANALYTICS

Recipient's Address 225 COMMERCE DRIVE

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City FORT COLLINS

State CO ZIP 80524

0394215400



8675 6877 6598

Recipient

4a Express Package Service

☒ **FedEx Priority Overnight**
Next business morning** Friday
Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ **FedEx Standard Overnight**
Next business afternoon*
Saturday Delivery NOT available.

☐ **FedEx First**
Earliest next business day
Delivery to specific locations only.

☐ **FedEx 2Day**
Second business day** Thursday
Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ **FedEx Express Saver**
Third business day**
Saturday Delivery NOT available.

☐ **FedEx 3Day**
Third business day** Thursday
Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ **FedEx 2Day Freight**
Second business day** Thursday
Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ **FedEx 3Day**
Third business day** Thursday
Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ **FedEx 10Day Freight**
Next business day** Friday
Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ **FedEx 15Day Freight**
Next business day** Friday
Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ **FedEx Pak***
FedEx Large Pak and FedEx Sturdy Pak.

☐ **FedEx Envelope***
☐ **FedEx Tube**
☐ **FedEx Box**
☐ **FedEx Pak***
FedEx Large Pak and FedEx Sturdy Pak.

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☐ **FedEx Envelope***

Sample Results

BICARBONATE AS CaCO₃

Method EPA310.1

Sample Results

Lab Name: ALS Paragon

Client Name: URS

Client Project ID: Williams-Rio Blanca 22240417.00001

Work Order Number: 0901040

Final Volume: 100 ml

Reporting Basis: As Received

Matrix: WATER

Prep Method: NONE

Result Units: MG/L

Client Sample ID	Lab ID	Date Collected	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	Reporting Limit	Flag	Sample Aliquot
FE-RG-24-13-398-PW-GPTF	0901040-1	01/07/2009	01/15/2009	01/15/2009	N/A	1	980	100		5 ml
FE-RG-13-1-398-PW-GPTF	0901040-2	01/07/2009	01/15/2009	01/15/2009	N/A	1	900	100		5 ml
FE-RG-12-4-398-PW-GPTF	0901040-3	01/07/2009	01/15/2009	01/15/2009	N/A	1	1400	100		5 ml
FE-RG-31-8-398-PW-GPTF	0901040-4	01/07/2009	01/15/2009	01/15/2009	N/A	1	1600	100		5 ml
FE-RG-24-20-398-PW-GPTF	0901040-5	01/07/2009	01/15/2009	01/15/2009	N/A	1	2000	100		5 ml

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: *ak0901040-1*

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

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CARBONATE AS CaCO₃

Method EPA310.1

Sample Results

Lab Name: ALS Paragon
Client Name: URS
Client Project ID: Williams-Rio Blanca 22240417.00001
Work Order Number: 0901040 Final Volume: 100 ml
Reporting Basis: As Received Matrix: WATER
Prep Method: NONE Result Units: MG/L

Client Sample ID	Lab ID	Date Collected	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	Reporting Limit	Flag	Sample Aliquot
FE-RG-24-13-398-PW-GPTF	0901040-1	01/07/2009	01/15/2009	01/15/2009	N/A	1	100	100	U	5 ml
FE-RG-13-1-398-PW-GPTF	0901040-2	01/07/2009	01/15/2009	01/15/2009	N/A	1	100	100	U	5 ml
FE-RG-12-4-398-PW-GPTF	0901040-3	01/07/2009	01/15/2009	01/15/2009	N/A	1	100	100	U	5 ml
FE-RG-31-8-398-PW-GPTF	0901040-4	01/07/2009	01/15/2009	01/15/2009	N/A	1	100	100	U	5 ml
FE-RG-24-20-398-PW-GPTF	0901040-5	01/07/2009	01/15/2009	01/15/2009	N/A	1	100	100	U	5 ml

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: *ak0901040-1*

Date Printed: Monday, January 19, 2009

ALS Paragon
LIMS Version: 6.234A

Page 2 of 3

TOTAL ALKALINITY AS CaCO₃

Method EPA310.1

Sample Results

Lab Name: ALS Paragon

Client Name: URS

Client Project ID: Williams-Rio Blanca 22240417.00001

Work Order Number: 0901040

Final Volume: 100 ml

Reporting Basis: As Received

Matrix: WATER

Prep Method: NONE

Result Units: MG/L

Client Sample ID	Lab ID	Date Collected	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	Reporting Limit	Flag	Sample Aliquot
FE-RG-24-13-398-PW-GPTF	0901040-1	01/07/2009	01/15/2009	01/15/2009	N/A	1	980	100		5 ml
FE-RG-13-1-398-PW-GPTF	0901040-2	01/07/2009	01/15/2009	01/15/2009	N/A	1	900	100		5 ml
FE-RG-12-4-398-PW-GPTF	0901040-3	01/07/2009	01/15/2009	01/15/2009	N/A	1	1400	100		5 ml
FE-RG-31-8-398-PW-GPTF	0901040-4	01/07/2009	01/15/2009	01/15/2009	N/A	1	1600	100		5 ml
FE-RG-24-20-398-PW-GPTF	0901040-5	01/07/2009	01/15/2009	01/15/2009	N/A	1	2000	100		5 ml

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: *ak0901040-1*

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

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pH in water @25 Degrees Celsius

Method SW9040B

Sample Results

Lab Name: ALS Paragon

Client Name: URS

Client Project ID: Williams-Rio Blanca 22240417.00001

Work Order Number: 0901040

Final Volume: 20 ml

Reporting Basis: As Received

Matrix: WATER

Prep Method: NONE

Result Units: pH

Client Sample ID	Lab ID	Date Collected	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	Reporting Limit	Flag	Sample Aliquot
FE-RG-24-13-398-PW-GPTF	0901040-1	01/07/2009	01/12/2009	01/12/2009	N/A	1	6.57	0.1		20 ml
FE-RG-13-1-398-PW-GPTF	0901040-2	01/07/2009	01/12/2009	01/12/2009	N/A	1	6.25	0.1		20 ml
FE-RG-12-4-398-PW-GPTF	0901040-3	01/07/2009	01/12/2009	01/12/2009	N/A	1	6.43	0.1		20 ml
FE-RG-31-8-398-PW-GPTF	0901040-4	01/07/2009	01/12/2009	01/12/2009	N/A	1	6.64	0.1		20 ml
FE-RG-24-20-398-PW-GPTF	0901040-5	01/07/2009	01/12/2009	01/12/2009	N/A	1	6.63	0.1		20 ml

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: *ph0901040-1*

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

Page 1 of 1

TOTAL DISSOLVED SOLIDS

Method EPA160.1

Sample Results

Lab Name: ALS Paragon

Client Name: URS

Client Project ID: Williams-Rio Blanca 22240417.00001

Work Order Number: 0901040

Final Volume: 100 ml

Reporting Basis: As Received

Matrix: WATER

Prep Method: METHOD

Result Units: MG/L

Client Sample ID	Lab ID	Date Collected	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	Reporting Limit	Flag	Sample Aliquot
FE-RG-24-13-398-PW-GPTF	0901040-1	01/07/2009	01/12/2009	01/13/2009	N/A	1	11000	400		5 ml
FE-RG-13-1-398-PW-GPTF	0901040-2	01/07/2009	01/12/2009	01/13/2009	N/A	1	15000	400		5 ml
FE-RG-12-4-398-PW-GPTF	0901040-3	01/07/2009	01/12/2009	01/13/2009	N/A	1	14000	400		5 ml
FE-RG-31-8-398-PW-GPTF	0901040-4	01/07/2009	01/12/2009	01/13/2009	N/A	1	7600	200		10 ml
FE-RG-24-20-398-PW-GPTF	0901040-5	01/07/2009	01/12/2009	01/13/2009	N/A	1	8700	400		5 ml

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: *td0901040-1*

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

Page 1 of 1

Ion Chromatography

Method EPA300.0 Revision 2.1

Sample Results

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-24-13-398-PW-GPT
Lab ID: 0901040-1

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 07-Jan-09

Date Extracted: 09-Jan-09

Date Analyzed: 09-Jan-09

Prep Method: NONE

Prep Batch: IC090109-1

QC Batch ID: IC090109-1-1

Run ID: ic090109-2a

Cleanup: NONE

Basis: As Received

File Name: 90109_032.DXD

Sample Aliquot: 5 ml

Final Volume: 5 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
16984-48-8	FLUORIDE	20	1.6	2	0.67	J	
16887-00-6	CHLORIDE	500	6200	100	25		
14797-65-0	NITRITE AS N	20	2	2	0.67	U	
24959-67-9	BROMIDE	20	39	4	1.6		
14797-55-8	NITRATE AS N	20	1.6	4	1	J	
14265-44-2	ORTHOPHOSPHATE AS P	20	10	10	3	U	
14808-79-8	SULFATE	20	20	20	6.7	U	

Data Package ID: ic0901040-1

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

Page 1 of 5

Ion Chromatography

Method EPA300.0 Revision 2.1

Sample Results

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-13-1-398-PW-GPTF
Lab ID: 0901040-2

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 07-Jan-09

Date Extracted: 09-Jan-09

Date Analyzed: 09-Jan-09

Prep Method: NONE

Prep Batch: IC090109-1

QC Batch ID: IC090109-1-1

Run ID: ic090109-2a

Cleanup: NONE

Basis: As Received

File Name: 90109_035.DXD

Sample Aliquot: 5 ml

Final Volume: 5 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
16984-48-8	FLUORIDE	20	2	2	0.67	U	
16887-00-6	CHLORIDE	500	9100	100	25		
14797-65-0	NITRITE AS N	20	2	2	0.67	U	
24959-67-9	BROMIDE	20	54	4	1.6		
14797-55-8	NITRATE AS N	20	1.5	4	1	J	
14265-44-2	ORTHOPHOSPHATE AS P	20	10	10	3	U	
14808-79-8	SULFATE	20	26	20	6.7		

Data Package ID: ic0901040-1

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

Page 2 of 5

Ion Chromatography

Method EPA300.0 Revision 2.1

Sample Results

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-12-4-398-PW-GPTF
Lab ID: 0901040-3

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 07-Jan-09

Date Extracted: 09-Jan-09

Date Analyzed: 09-Jan-09

Prep Method: NONE

Prep Batch: IC090109-1

QC Batch ID: IC090109-1-1

Run ID: ic090109-2a

Cleanup: NONE

Basis: As Received

File Name: 90109_036.DXD

Sample Aliquot: 5 ml

Final Volume: 5 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
16984-48-8	FLUORIDE	20	2	2	0.67	U	
16887-00-6	CHLORIDE	500	8500	100	25		
14797-65-0	NITRITE AS N	20	2	2	0.67	U	
24959-67-9	BROMIDE	20	49	4	1.6		
14797-55-8	NITRATE AS N	20	1.6	4	1	J	
14265-44-2	ORTHOPHOSPHATE AS P	20	10	10	3	U	
14808-79-8	SULFATE	20	13	20	6.7	J	

Data Package ID: ic0901040-1

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

Page 3 of 5

Ion Chromatography

Method EPA300.0 Revision 2.1

Sample Results

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-31-8-398-PW-GPTF
Lab ID: 0901040-4

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 07-Jan-09

Date Extracted: 09-Jan-09

Date Analyzed: 09-Jan-09

Prep Method: NONE

Prep Batch: IC090109-1

QCBatchID: IC090109-1-1

Run ID: ic090109-2a

Cleanup: NONE

Basis: As Received

File Name: 90109_037.DXD

Sample Aliquot: 5 ml

Final Volume: 5 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
16984-48-8	FLUORIDE	10	1	1	0.33	U	
16887-00-6	CHLORIDE	500	3000	100	25		
14797-65-0	NITRITE AS N	10	1	1	0.33	U	
24959-67-9	BROMIDE	10	22	2	0.78		
14797-55-8	NITRATE AS N	10	1	2	0.5	J	
14265-44-2	ORTHOPHOSPHATE AS P	10	5	5	1.5	U	
14808-79-8	SULFATE	10	12	10	3.3		

Data Package ID: ic0901040-1

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

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Ion Chromatography

Method EPA300.0 Revision 2.1

Sample Results

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-24-20-398-PW-GPT
Lab ID: 0901040-5

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 07-Jan-09

Date Extracted: 09-Jan-09

Date Analyzed: 09-Jan-09

Prep Method: NONE

Prep Batch: IC090109-1

QC Batch ID: IC090109-1-1

Run ID: ic090109-2a

Cleanup: NONE

Basis: As Received

File Name: 90109_038.DXD

Sample Aliquot: 5 ml

Final Volume: 5 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
16984-48-8	FLUORIDE	10	1	1	0.33	U	
16887-00-6	CHLORIDE	500	3400	100	25		
14797-65-0	NITRITE AS N	10	1	1	0.33	U	
24959-67-9	BROMIDE	10	21	2	0.78		
14797-55-8	NITRATE AS N	10	0.82	2	0.5	J	
14265-44-2	ORTHOPHOSPHATE AS P	10	5	5	1.5	U	
14808-79-8	SULFATE	10	26	10	3.3		

Data Package ID: ic0901040-1

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

Page 5 of 5

QC and Summary Report Forms

BICARBONATE AS CaCO₃

Method EPA310.1

Method Blank

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: AK090115-1MB

Sample Matrix: WATER

% Moisture: N/A

Prep Batch: AK090115-1

QCBatchID: AK090115-1-1

Run ID: ak090115-1a

Cleanup: NONE

Basis: N/A

Sample Aliquot: 100 ml

Final Volume: 100 ml

Result Units: MG/L

Lab ID	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	Reporting Limit	Flag
AK090115-1MB	1/15/2009	01/15/2009	N/A	1	5	5	U

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: ak0901040-1

Date Printed: Monday, January 19, 2009

ALS Paragon

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CARBONATE AS CaCO₃

Method EPA310.1

Method Blank

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: AK090115-1MB

Sample Matrix: WATER

% Moisture: N/A

Prep Batch: AK090115-1

QCBatchID: AK090115-1-1

Run ID: ak090115-1a

Cleanup: NONE

Basis: N/A

Sample Aliquot: 100 ml

Final Volume: 100 ml

Result Units: MG/L

Lab ID	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	Reporting Limit	Flag
AK090115-1MB	1/15/2009	01/15/2009	N/A	1	5	5	U

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: ak0901040-1

Date Printed: Monday, January 19, 2009

ALS Paragon

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TOTAL ALKALINITY AS CaCO3

Method EPA310.1

Method Blank

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: AK090115-1MB

Sample Matrix: WATER

% Moisture: N/A

Prep Batch: AK090115-1

QCBatchID: AK090115-1-1

Run ID: ak090115-1a

Cleanup: NONE

Basis: N/A

Sample Aliquot: 100 ml

Final Volume: 100 ml

Result Units: MG/L

Lab ID	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	Reporting Limit	Flag
AK090115-1MB	1/15/2009	01/15/2009	N/A	1	5	5	U

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: ak0901040-1

Date Printed: Monday, January 19, 2009

ALS Paragon

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TOTAL ALKALINITY AS CaCO₃

Method EPA310.1

Laboratory Control Sample

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: AK090115-1LCS

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 01/15/2009

Date Analyzed: 01/15/2009

Prep Batch: AK090115-1

QCBatchID: AK090115-1-1

Run ID: ak090115-1a

Cleanup: NONE

Basis: N/A

Sample Aliquot: 100 ml

Final Volume: 100 ml

Result Units: MG/L

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
11-43-8	TOTAL ALKALINITY AS CaCO ₃	100	99.5	5		99	85 - 115

Data Package ID: ak0901040-1

Date Printed: Monday, January 19, 2009

ALS Paragon

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TOTAL ALKALINITY AS CaCO₃

Method EPA310.1

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Run ID: AK090115-1A

Result Units: MG/L

Lab ID	Verification Type	Date Analyzed	Time Analyzed	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
ICV	Initial Calibration	1/15/2009		100	98.8	5	N/A	99	85 - 115

Data Package ID: *ak0901040-1*

Date Printed: Monday, January 19, 2009

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BICARBONATE AS CaCO3

Method EPA310.1

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Run ID: AK090115-1A

Result Units: MG/L

Lab ID	Verification Type	Date Analyzed	Time Analyzed	Result	Reporting Limit	Flag
ICB	Initial Calibration	1/15/2009		5	5	U

Data Package ID: ak0901040-1

Date Printed: Monday, January 19, 2009

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CARBONATE AS CaCO₃

Method EPA310.1

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Run ID: AK090115-1A

Result Units: MG/L

Lab ID	Verification Type	Date Analyzed	Time Analyzed	Result	Reporting Limit	Flag
ICB	Initial Calibration	1/15/2009		5	5	U

Data Package ID: *ak0901040-1*

Date Printed: Monday, January 19, 2009

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TOTAL ALKALINITY AS CaCO3

Method EPA310.1

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Run ID: AK090115-1A

Result Units: MG/L

Lab ID	Verification Type	Date Analyzed	Time Analyzed	Result	Reporting Limit	Flag
ICB	Initial Calibration	1/15/2009		5	5	U

Data Package ID: *ak0901040-1*

Date Printed: Monday, January 19, 2009

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Prep Batch ID: AK090115-1

Start Date: 01/15/09

End Date: 01/15/09

Concentration Method: NONE

Batch Created By: JBM

Start Time: 8:45

End Time: 12:00

Extract Method: NONE

Date Created: 01/15/09

Prep Analyst: Jason McNall

Initial Volume Units: ml

Time Created: 8:08

Comments:

Final Volume Units: ml

Validated By: JBM

Date Validated: 01/15/09

Time Validated: 15:07

QC Batch ID: AK090115-1-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
AK090115-1	MB	XXXXXX	WATER	XXXXXX	100	100	NONE	1	0901064
AK090115-1	LCS	XXXXXX	WATER	XXXXXX	100	100	NONE	1	0901064
0901064-2	DUP	XXXXXX	WATER	XXXXXX	25	100	NONE	1	0901064
0901040-1	SMP	FE-RG-24-13-398-PW	WATER	1/7/2009	5	100	NONE	1	0901040
0901040-2	SMP	FE-RG-13-1-398-PW-	WATER	1/7/2009	5	100	NONE	1	0901040
0901040-3	SMP	FE-RG-12-4-398-PW-	WATER	1/7/2009	5	100	NONE	1	0901040
0901040-4	SMP	FE-RG-31-8-398-PW-	WATER	1/7/2009	5	100	NONE	1	0901040
0901040-5	SMP	FE-RG-24-20-398-PW	WATER	1/7/2009	5	100	NONE	1	0901040
0901056-1	SMP	XXXXXX	WATER	XXXXXX	5	100	NONE	1	0901056
0901056-2	SMP	XXXXXX	WATER	XXXXXX	5	100	NONE	1	0901056
0901056-3	SMP	XXXXXX	WATER	XXXXXX	5	100	NONE	1	0901056
0901056-4	SMP	XXXXXX	WATER	XXXXXX	5	100	NONE	1	0901056
0901056-5	SMP	XXXXXX	WATER	XXXXXX	5	100	NONE	1	0901056
0901056-6	SMP	XXXXXX	WATER	XXXXXX	5	100	NONE	1	0901056
0901064-2	SMP	XXXXXX	WATER	XXXXXX	25	100	NONE	1	0901064
0901066-1	SMP	XXXXXX	WATER	XXXXXX	5	100	NONE	1	0901066
0901066-2	SMP	XXXXXX	WATER	XXXXXX	5	100	NONE	1	0901066
0901066-3	SMP	XXXXXX	WATER	XXXXXX	5	100	NONE	1	0901066
0901066-4	SMP	XXXXXX	WATER	XXXXXX	5	100	NONE	1	0901066
0901072-1	SMP	XXXXXX	WATER	XXXXXX	25	100	NONE	1	0901072
0901072-2	SMP	XXXXXX	WATER	XXXXXX	25	100	NONE	1	0901072

QC Types

CAR	Carrier reference sample	DUP	Laboratory Duplicate
LCS	Laboratory Control Sample	LCSD	Laboratory Control Sample Duplicat
MB	Method Blank	MS	Laboratory Matrix Spike
MSD	Laboratory Matrix Spike Duplicate	REP	Sample replicate
SMP	Field Sample	SYS	Sample Yield Spike

pH

Method SW9040

Duplicate Sample Results

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-24-13-398-PW-G

Lab ID: 0901040-1D

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 01/07/2009

Date Extracted: 01/12/2009

Date Analyzed: 01/12/2009

Prep Batch: PH090112-1

QCBatchID: PH090112-1-1

Run ID: ph090112-1a

Cleanup: NONE

Basis: As Received

File Name:

Sample Aliquot: 20 ml

Final Volume: 20 ml

Result Units: pH

Clean DF: 1

CASNO	Target Analyte	Sample Result	Samp Qual	Duplicate Result	Dup Qual	Reporting Limit	Dilution Factor	RPD	RPD Limit
10-29-7	PH	6.57		6.64		0.1	1		0.2

Data Package ID: *ph0901040-1*

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

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PH
Method SW9040
Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Run ID: ph090112-1a

Result Units: pH

Lab ID	Verification Type	Date Analyzed	Time Analyzed	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
ICV	Initial Calibration	1/12/2009		7	7	0.1	N/A		6.95 - 7.05
CCV1	Continuing Calibration	1/12/2009		7	6.99	0.1	N/A		6.9 - 7.1

Data Package ID: *ph0901040-1*

Date Printed: Monday, January 19, 2009

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Prep Batch ID: PH090112-1

Start Date: 01/12/09

End Date: 01/12/09

Concentration Method: NONE

Batch Created By: JBM

Start Time: 8:00

End Time: 11:15

Extract Method: NONE

Date Created: 01/12/09

Prep Analyst: Jason McNall

Initial Volume Units: ml

Time Created: 8:04

Comments:

Final Volume Units: ml

Validated By: mmj

Date Validated: 01/14/09

Time Validated: 12:58

QC Batch ID: PH090112-1-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
0901040-1	DUP	FE-RG-24-13-398-PW	WATER	1/7/2009	20	20	NONE	1	0901040
0901040-1	SMP	FE-RG-24-13-398-PW	WATER	1/7/2009	20	20	NONE	1	0901040
0901040-2	SMP	FE-RG-13-1-398-PW-	WATER	1/7/2009	20	20	NONE	1	0901040
0901040-3	SMP	FE-RG-12-4-398-PW-	WATER	1/7/2009	20	20	NONE	1	0901040
0901040-4	SMP	FE-RG-31-8-398-PW-	WATER	1/7/2009	20	20	NONE	1	0901040
0901040-5	SMP	FE-RG-24-20-398-PW	WATER	1/7/2009	20	20	NONE	1	0901040

QC Types

CAR	Carrier reference sample	DUP	Laboratory Duplicate
LCS	Laboratory Control Sample	LCSD	Laboratory Control Sample Duplicat
MB	Method Blank	MS	Laboratory Matrix Spike
MSD	Laboratory Matrix Spike Duplicate	REP	Sample replicate
SMP	Field Sample	SYS	Sample Yield Spike

Total Dissolved Solids

Method EPA160.1

Method Blank

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: TD090112-1MB

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 12-Jan-09

Date Analyzed: 13-Jan-09

Prep Method: METHOD

Prep Batch: TD090112-1

QCBatchID: TD090112-1-1

Run ID: td090113-1a

Cleanup: NONE

Basis: N/A

File Name: Manual Entry

Sample Aliquot: 100 ml

Final Volume: 100 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
10-33-3	TOTAL DISSOLVED SOLIDS	1	20	20	U	

Data Package ID: *td0901040-1*

Date Printed: Monday, January 19, 2009

ALS Paragon

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Total Dissolved Solids

Method EPA160.1

Laboratory Control Sample

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: TD090112-1LCS

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 01/12/2009

Date Analyzed: 01/13/2009

Prep Method: METHOD

Prep Batch: TD090112-1

QCBatchID: TD090112-1-1

Run ID: td090113-1a

Cleanup: NONE

Basis: N/A

File Name: Manual Entry

Sample Aliquot: 100 ml

Final Volume: 100 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
10-33-3	TOTAL DISSOLVED SOLIDS	400	399	20		100	85 - 115%

Data Package ID: *td0901040-1*

Date Printed: Monday, January 19, 2009

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Prep Batch ID: TD090112-1

Start Date: 01/12/09

End Date: 01/12/09

Concentration Method: NONE

Batch Created By: JBM

Start Time: 12:00

End Time: 12:45

Extract Method: METHOD

Date Created: 01/12/09

Prep Analyst: Jason McNall

Initial Volume Units: ml

Time Created: 8:03

Comments:

Final Volume Units: ml

Validated By: JBM

Date Validated: 01/12/09

Time Validated: 13:05

QC Batch ID: TD090112-1-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
TD090112-1	MB	XXXXXX	WATER	XXXXXX	100	100	NONE	1	0901055
TD090112-1	LCS	XXXXXX	WATER	XXXXXX	100	100	NONE	1	0901055
0901055-1	DUP	XXXXXX	WATER	XXXXXX	10	100	NONE	1	0901055
0901040-1	SMP	FE-RG-24-13-398-PW	WATER	1/7/2009	5	100	NONE	1	0901040
0901040-2	SMP	FE-RG-13-1-398-PW-	WATER	1/7/2009	5	100	NONE	1	0901040
0901040-3	SMP	FE-RG-12-4-398-PW-	WATER	1/7/2009	5	100	NONE	1	0901040
0901040-4	SMP	FE-RG-31-8-398-PW-	WATER	1/7/2009	10	100	NONE	1	0901040
0901040-5	SMP	FE-RG-24-20-398-PW	WATER	1/7/2009	5	100	NONE	1	0901040
0901055-1	SMP	XXXXXX	WATER	XXXXXX	10	100	NONE	1	0901055
0901055-10	SMP	XXXXXX	WATER	XXXXXX	50	100	NONE	1	0901055
0901055-11	SMP	XXXXXX	WATER	XXXXXX	25	100	NONE	1	0901055
0901055-2	SMP	XXXXXX	WATER	XXXXXX	1	100	NONE	1	0901055
0901055-3	SMP	XXXXXX	WATER	XXXXXX	25	100	NONE	1	0901055
0901055-4	SMP	XXXXXX	WATER	XXXXXX	25	100	NONE	1	0901055
0901055-5	SMP	XXXXXX	WATER	XXXXXX	2	100	NONE	1	0901055
0901055-6	SMP	XXXXXX	WATER	XXXXXX	1	100	NONE	1	0901055
0901055-7	SMP	XXXXXX	WATER	XXXXXX	10	100	NONE	1	0901055
0901055-8	SMP	XXXXXX	WATER	XXXXXX	10	100	NONE	1	0901055
0901055-9	SMP	XXXXXX	WATER	XXXXXX	1	100	NONE	1	0901055

QC Types

CAR	Carrier reference sample	DUP	Laboratory Duplicate
LCS	Laboratory Control Sample	LCSD	Laboratory Control Sample Duplicat
MB	Method Blank	MS	Laboratory Matrix Spike
MSD	Laboratory Matrix Spike Duplicate	REP	Sample replicate
SMP	Field Sample	SYS	Sample Yield Spike

Ion Chromatography

Method EPA300.0 Revision 2.1

Method Blank

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: IC090109-1MB

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 09-Jan-09

Date Analyzed: 09-Jan-09

Prep Batch: IC090109-1

QCBatchID: IC090109-1-1

Run ID: ic090109-2a

Cleanup: NONE

Basis: N/A

File Name: 90109_039.DXD

Sample Aliquot: 5 ml

Final Volume: 5 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
16984-48-8	FLUORIDE	1	0.1	0.1	0.033	U	
16887-00-6	CHLORIDE	1	0.17	0.2	0.05	J	
14797-65-0	NITRITE AS N	1	0.049	0.1	0.033	J	
24959-67-9	BROMIDE	1	0.092	0.2	0.078	J	
14797-55-8	NITRATE AS N	1	0.076	0.2	0.05	J	
14265-44-2	ORTHOPHOSPHATE AS P	1	0.5	0.5	0.15	U	
14808-79-8	SULFATE	1	1	1	0.33	U	

Data Package ID: ic0901040-1

Date Printed: Monday, January 19, 2009

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Ion Chromatography

Method EPA300.0 Revision 2.1

Laboratory Control Sample

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: IC090109-1LCS

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 01/09/2009

Date Analyzed: 01/09/2009

Prep Method: NONE

Prep Batch: IC090109-1

QCBatchID: IC090109-1-1

Run ID: ic090109-2a

Cleanup: NONE

Basis: N/A

File Name: 90109_040.DXD

Sample Aliquot: 5 ml

Final Volume: 5 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
16984-48-8	FLUORIDE	2.5	2.52	0.1		101	90 - 110%
16887-00-6	CHLORIDE	5	4.95	0.2		99	90 - 110%
14797-65-0	NITRITE AS N	2	2.03	0.1		101	90 - 110%
24959-67-9	BROMIDE	5	4.81	0.2		96	90 - 110%
14797-55-8	NITRATE AS N	5	4.84	0.2		97	90 - 110%
14265-44-2	ORTHOPHOSPHATE AS P	5	4.67	0.5		93	90 - 110%
14808-79-8	SULFATE	25	25.9	1		104	90 - 110%

Data Package ID: *ic0901040-1*

Date Printed: Monday, January 19, 2009

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Ion Chromatography

Method EPA300.0 Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: ICV

QC Type: Initial Calibration

File Name: 81229_007.DXD

Run ID: ic090109-2a

Date Analyzed: 12/29/2008

Time Analyzed: 16:30

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
16984-48-8	FLUORIDE	2.5	2.42	0.1		97	90 - 110%
16887-00-6	CHLORIDE	5	5.14	0.2		103	90 - 110%
14797-65-0	NITRITE AS N	2	1.99	0.1		100	90 - 110%
24959-67-9	BROMIDE	5	5.13	0.2		103	90 - 110%
14797-55-8	NITRATE AS N	5	5.09	0.2		102	90 - 110%
14265-44-2	ORTHOPHOSPHATE AS P	5	5.52	0.5		110	90 - 110%
14808-79-8	SULFATE	25	26.5	1		106	90 - 110%

Data Package ID: ic0901040-1

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

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Ion Chromatography

Method EPA300.0 Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV1

QC Type: Continuing Calibration

File Name: 90109_009.DXD

Run ID: ic090109-2a

Date Analyzed: 01/09/2009

Time Analyzed: 10:49

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
16984-48-8	FLUORIDE	5	4.79	0.1		96	90 - 110%
16887-00-6	CHLORIDE	10	10.1	0.2		101	90 - 110%
14797-65-0	NITRITE AS N	5	4.99	0.1		100	90 - 110%
24959-67-9	BROMIDE	10	9.81	0.2		98	90 - 110%
14797-55-8	NITRATE AS N	10	9.93	0.2		99	90 - 110%
14265-44-2	ORTHOPHOSPHATE AS P	10	9.26	0.5		93	90 - 110%
14808-79-8	SULFATE	50	50.9	1		102	90 - 110%

Data Package ID: ic0901040-1

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

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Ion Chromatography

Method EPA300.0 Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV2

QC Type: Continuing Calibration

File Name: 90109_021.DXD

Run ID: ic090109-2a

Date Analyzed: 01/09/2009

Time Analyzed: 13:38

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
16984-48-8	FLUORIDE	5	4.84	0.1		97	90 - 110%
16887-00-6	CHLORIDE	10	9.9	0.2		99	90 - 110%
14797-65-0	NITRITE AS N	5	4.91	0.1		98	90 - 110%
24959-67-9	BROMIDE	10	9.68	0.2		97	90 - 110%
14797-55-8	NITRATE AS N	10	9.93	0.2		99	90 - 110%
14265-44-2	ORTHOPHOSPHATE AS P	10	9.48	0.5		95	90 - 110%
14808-79-8	SULFATE	50	50.3	1		101	90 - 110%

Data Package ID: ic0901040-1

Date Printed: Monday, January 19, 2009

ALS Paragon

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Ion Chromatography

Method EPA300.0 Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV3

QC Type: Continuing Calibration

File Name: 90109_033.DXD

Run ID: ic090109-2a

Date Analyzed: 01/09/2009

Time Analyzed: 16:27

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
16984-48-8	FLUORIDE	5	4.97	0.1		99	90 - 110%
16887-00-6	CHLORIDE	10	10.1	0.2		101	90 - 110%
14797-65-0	NITRITE AS N	5	4.97	0.1		99	90 - 110%
24959-67-9	BROMIDE	10	9.9	0.2		99	90 - 110%
14797-55-8	NITRATE AS N	10	10	0.2		100	90 - 110%
14265-44-2	ORTHOPHOSPHATE AS P	10	9.7	0.5		97	90 - 110%
14808-79-8	SULFATE	50	51.7	1		103	90 - 110%

Data Package ID: ic0901040-1

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

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Ion Chromatography

Method EPA300.0 Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV4

QC Type: Continuing Calibration

File Name: 90109_042.DXD

Run ID: ic090109-2a

Date Analyzed: 01/09/2009

Time Analyzed: 18:33

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
16984-48-8	FLUORIDE	5	5.56	0.1	Z	111	90 - 110%
16887-00-6	CHLORIDE	10	10.6	0.2		106	90 - 110%
14797-65-0	NITRITE AS N	5	5.05	0.1		101	90 - 110%
24959-67-9	BROMIDE	10	10.5	0.2		105	90 - 110%
14797-55-8	NITRATE AS N	10	10.2	0.2		102	90 - 110%
14265-44-2	ORTHOPHOSPHATE AS P	10	9.98	0.5		100	90 - 110%
14808-79-8	SULFATE	50	53.2	1		106	90 - 110%

Data Package ID: ic0901040-1

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

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Ion Chromatography

Method EPA300.0

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: ICB

QC Type: Initial Calibration

Run ID: ic090109-2a

Date Analyzed: 12/29/2008

Time Analyzed: 4:44:37 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
16984-48-8	FLUORIDE	0.1	0.1	U
16887-00-6	CHLORIDE	0.2	0.2	U
14797-65-0	NITRITE AS N	0.1	0.1	U
24959-67-9	BROMIDE	0.2	0.2	U
14797-55-8	NITRATE AS N	0.0783	0.2	J
14265-44-2	ORTHOPHOSPHATE AS P	0.5	0.5	U
14808-79-8	SULFATE	1	1	U

Data Package ID: ic0901040-1

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

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Ion Chromatography

Method EPA300.0

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB1

QC Type: Continuing Calibration

Run ID: ic090109-2a

Date Analyzed: 01/09/2009

Time Analyzed: 11:03:45 AM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
16984-48-8	FLUORIDE	0.1	0.1	U
16887-00-6	CHLORIDE	0.0552	0.2	J
14797-65-0	NITRITE AS N	0.1	0.1	U
24959-67-9	BROMIDE	0.2	0.2	U
14797-55-8	NITRATE AS N	0.0784	0.2	J
14265-44-2	ORTHOPHOSPHATE AS P	0.5	0.5	U
14808-79-8	SULFATE	1	1	U

Data Package ID: ic0901040-1

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

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Ion Chromatography

Method EPA300.0

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB2

QC Type: Continuing Calibration

Run ID: ic090109-2a

Date Analyzed: 01/09/2009

Time Analyzed: 1:52:32 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
16984-48-8	FLUORIDE	0.1	0.1	U
16887-00-6	CHLORIDE	0.292	0.2	
14797-65-0	NITRITE AS N	0.0396	0.1	J
24959-67-9	BROMIDE	0.2	0.2	U
14797-55-8	NITRATE AS N	0.0901	0.2	J
14265-44-2	ORTHOPHOSPHATE AS P	0.5	0.5	U
14808-79-8	SULFATE	1	1	U

Data Package ID: ic0901040-1

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

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Ion Chromatography

Method EPA300.0

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB3

QC Type: Continuing Calibration

Run ID: ic090109-2a

Date Analyzed: 01/09/2009

Time Analyzed: 4:41:14 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
16984-48-8	FLUORIDE	0.1	0.1	U
16887-00-6	CHLORIDE	0.208	0.2	
14797-65-0	NITRITE AS N	0.0403	0.1	J
24959-67-9	BROMIDE	0.2	0.2	U
14797-55-8	NITRATE AS N	0.2	0.2	U
14265-44-2	ORTHOPHOSPHATE AS P	0.5	0.5	U
14808-79-8	SULFATE	1	1	U

Data Package ID: ic0901040-1

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

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Ion Chromatography

Method EPA300.0

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB4

QC Type: Continuing Calibration

Run ID: ic090109-2a

Date Analyzed: 01/09/2009

Time Analyzed: 6:47:45 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
16984-48-8	FLUORIDE	0.1	0.1	U
16887-00-6	CHLORIDE	0.358	0.2	
14797-65-0	NITRITE AS N	0.1	0.1	U
24959-67-9	BROMIDE	0.2	0.2	U
14797-55-8	NITRATE AS N	0.0894	0.2	J
14265-44-2	ORTHOPHOSPHATE AS P	0.5	0.5	U
14808-79-8	SULFATE	1	1	U

Data Package ID: ic0901040-1

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

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Prep Batch ID: IC090109-1

Start Date: 01/09/09

End Date: 01/09/09

Concentration Method: NONE

Batch Created By: JBM

Start Time: 10:33

End Time: 10:33

Extract Method: NONE

Date Created: 01/09/09

Prep Analyst: Eric Allen Lintner

Initial Volume Units: ml

Time Created: 10:33

Comments:

Final Volume Units: ml

Validated By: EAL

Date Validated: 01/12/09

Time Validated: 11:26

QC Batch ID: IC090109-1-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
IC090109-1	MB	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0901021
IC090109-1	LCS	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0901021
0901021-2	MS	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0901021
0901021-2	MSD	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0901021
0901021-15	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0901021
0901021-2	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0901021
0901021-22	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0901021
0901021-9	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0901021
0901030-2	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0901030
0901040-1	SMP	FE-RG-24-13-398-PW	WATER	1/7/2009	5	5	NONE	1	0901040
0901040-2	SMP	FE-RG-13-1-398-PW-	WATER	1/7/2009	5	5	NONE	1	0901040
0901040-3	SMP	FE-RG-12-4-398-PW-	WATER	1/7/2009	5	5	NONE	1	0901040
0901040-4	SMP	FE-RG-31-8-398-PW-	WATER	1/7/2009	5	5	NONE	1	0901040
0901040-5	SMP	FE-RG-24-20-398-PW	WATER	1/7/2009	5	5	NONE	1	0901040

QC Types

CAR	Carrier reference sample	DUP	Laboratory Duplicate
LCS	Laboratory Control Sample	LCSD	Laboratory Control Sample Duplicat
MB	Method Blank	MS	Laboratory Matrix Spike
MSD	Laboratory Matrix Spike Duplicate	REP	Sample replicate
SMP	Field Sample	SYS	Sample Yield Spike

Supporting Raw Data

Alkalinity Raw Data Worksheet

Anal Run ID **AK090115-1A**

Anal Start Date **1/15/2009**

0845-1200
JBM
1/15/09

Standardization Ref ID **AlkalinityCAL090115-1**

Rw - G
1/16/09

Standardization Of Alkalinity

Rep Num	THAM Conc	Aliq Titrated (mL)	vol to pH 4.5(mL)	HCl Conc(N)	Conc Units
1	0.2	1	10.24	0.0195313	N
2	0.2	1	10.21	0.0195886	N
3	0.2	1	10.14	0.0197239	N

Avg HCl Conc
0.01961458

Num	Don't Use	ReRun Num	Lab ID	QC Type	Anal Dil	Aliq Titrated (mL)	vol to pH 8.3(mL)	vol to pH 4.5(mL)	total vol(mL)	HCO3 (mg/L as CaCO3)	CO3 (mg/L as CaCO3)	OH (mg/L as CaCO3)	Total Alk (mg/L as CaCO3)	Expected	%Rec
1	<input type="checkbox"/>	0	ICV	ICV	1	100	4.7	5.37	10.07	6.570887	92.18855	0	98.75943		
2	<input type="checkbox"/>	0	ICB	ICB	1	100	0	0.24	0.24	2.35375	0	0	2.35375		
3	<input type="checkbox"/>	0	AK090115-1	LCS	1	100	4.83	5.32	10.15	4.805571	94.73845	0	99.54401		
4	<input type="checkbox"/>	0	AK090115-1	MB	1	100	0	0.29	0.29	2.844115	0	0	2.844115		
5	<input type="checkbox"/>	0	AK090115-2	MB	1	100	0	0.26	0.26	2.549896	0	0	2.549896		
6	<input type="checkbox"/>	0	AK090115-2	LCS	1	100	4.88	5.21	10.09	3.236406	95.71918	0	98.95558		
7	<input type="checkbox"/>	0	0901040-1	SMP	1	5	0	5	5	980.7292	0	0	980.7292		
8	<input type="checkbox"/>	0	0901040-2	SMP	1	5	0	4.6	4.6	902.2709	0	0	902.2709		
9	<input type="checkbox"/>	0	0901040-3	SMP	1	5	0	7.05	7.05	1382.828	0	0	1382.828		
10	<input type="checkbox"/>	0	0901040-4	SMP	1	5	0	8.14	8.14	1596.627	0	0	1596.627		
11	<input type="checkbox"/>	0	0901040-5	SMP	1	5	0	10.01	10.01	1963.42	0	0	1963.42		
12	<input type="checkbox"/>	0	0901056-1	SMP	1	5	0	8.56	8.56	1679.009	0	0	1679.009		
13	<input type="checkbox"/>	0	0901056-2	SMP	1	5	0	7.61	7.61	1492.67	0	0	1492.67		
14	<input type="checkbox"/>	0	0901056-3	SMP	1	5	0	6.46	6.46	1267.102	0	0	1267.102		
15	<input type="checkbox"/>	0	0901056-4	SMP	1	5	0	5.49	5.49	1076.841	0	0	1076.841		
16	<input type="checkbox"/>	0	0901056-5	SMP	1	5	0	4.05	4.05	794.3907	0	0	794.3907		
17	<input type="checkbox"/>	0	0901056-6	SMP	1	5	0	9.84	9.84	1930.075	0	0	1930.075		
18	<input type="checkbox"/>	0	0901064-2	SMP	1	25	0	5.89	5.89	231.0598	0	0	231.0598		
19	<input type="checkbox"/>	0	0901064-2	DUP	1	25	0	5.87	5.87	230.2752	0	0	230.2752		
20	<input type="checkbox"/>	0	0901066-1	SMP	1	5	0	8.74	8.74	1714.315	0	0	1714.315		
21	<input type="checkbox"/>	0	0901066-2	SMP	1	5	0	8.01	8.01	1571.128	0	0	1571.128		
22	<input type="checkbox"/>	0	0901066-3	SMP	1	5	0	7.13	7.13	1398.52	0	0	1398.52		
23	<input type="checkbox"/>	0	CCV1	CCV	1	100	5.02	5.13	10.15	1.078799	98.46521	0	99.54401		
24	<input type="checkbox"/>	0	CCB1	CCB	1	100	0	0.25	0.25	2.451823	0	0	2.451823		
25	<input type="checkbox"/>	0	0901072-1	SMP	1	25	0	5.43	5.43	213.0144	0	0	213.0144		
26	<input type="checkbox"/>	0	0901072-2	SMP	1	25	0	4.36	4.36	171.0392	0	0	171.0392		
27	<input type="checkbox"/>	0	0901066-4	SMP	1	5	0	2.22	2.22	435.4438	0	0	435.4438		
28	<input type="checkbox"/>	0	0901076-3	SMP	1	25	0	7.19	7.19	282.0577	0	0	282.0577		
29	<input type="checkbox"/>	0	0901076-4	SMP	1	25	0	4.21	4.21	165.1548	0	0	165.1548		
30	<input type="checkbox"/>	0	0901076-5	SMP	1	25	0	5.05	5.05	198.1073	0	0	198.1073		
31	<input type="checkbox"/>	0	0901076-6	SMP	1	25	0	5.75	5.75	225.5677	0	0	225.5677		
32	<input type="checkbox"/>	0	0901076-7	SMP	1	25	0	2.89	2.89	113.3723	0	0	113.3723		
33	<input type="checkbox"/>	0	0901076-8	SMP	1	25	0	12.19	12.19	478.2036	0	0	478.2036		
34	<input type="checkbox"/>	0	0901076-9	SMP	1	25	0	8.41	8.41	329.9173	0	0	329.9173		
35	<input type="checkbox"/>	0	0901082-1	SMP	1	25	0	3.18	3.18	124.7488	0	0	124.7488		
36	<input type="checkbox"/>	0	0901082-1	DUP	1	25	0	3.16	3.16	123.9642	0	0	123.9642		
37	<input type="checkbox"/>	0	0901082-2	SMP	1	25	0.1	7.14	7.24	276.1733	7.845834	0	284.0192		

Anal Start Date 1/15/2009

Num	Don't Use	ReRun Num	Lab ID	QC Type	Anal Dil	Aliq Titrated (mL)	vol to pH 8.3(mL)	vol to pH 4.5(mL)	total vol(mL)	HCO3 (mg/L as CaCO3)	CO3 (mg/L as CaCO3)	OH (mg/L as CaCO3)	Total Alk (mg/L as CaCO3)	Expected	%Rec
38	<input type="checkbox"/>	0	0901086-1	SMP	1	25	0	3.74	3.74	146.7171	0	0	146.7171		
39	<input type="checkbox"/>	0	0901087-2	SMP	1	25	0	6.69	6.69	262.4431	0	0	262.4431		
40	<input type="checkbox"/>	0	0901087-3	SMP	1	50	0	2.94	2.94	57.66688	0	0	57.66688		
41	<input type="checkbox"/>	0	0901087-4	SMP	1	50	0	5.41	5.41	106.1149	0	0	106.1149		
42	<input type="checkbox"/>	0	0901097-1	SMP	1	25	0	3.87	3.87	151.8169	0	0	151.8169		
43	<input type="checkbox"/>	0	0901097-2	SMP	1	25	0	5.41	5.41	212.2298	0	0	212.2298		
44	<input type="checkbox"/>	0	0901099-2	SMP	1	25	0	6.14	6.14	240.8671	0	0	240.8671		
45	<input type="checkbox"/>	0	CCV2	CCV	1	100	4.91	5.21	10.12	2.94219	96.3076	0	99.24979		
46	<input type="checkbox"/>	0	CCB2	CCB	1	100	0	0.25	0.25	2.451823	0	0	2.451823		
47	<input type="checkbox"/>	0	0901099-3	SMP	1	25	0	4.41	4.41	173.0006	0	0	173.0006		

Comments:

Standards, Batch QC, and Matrix Spike Information

ID	Parent ID	Parent Conc	Parent Vol.	Final Vol.
ICV	ST071128-4	10000	1	100
CCV	ST071128-4	10000	1	100

Reagent List:

0.020 N HCl Titrant **RG090115-2**
 Phenolphthalein Indicator **RG080908-1**
 Bromocresol Green Indicator **RG081117-3**
 0.20 N Std. THAM **ST081201-1**
 0.20 N NaCO₃ (ICV, LCS, CCV's - 1.0 mL) **ST081201-2**

JBM

1/15/09

pH Calculations and Quality Control Results

Prep & Analysis Date: 1/12/2009
 Prep & Analysis Time: 0800-1115
 Analyst: JBM

JBM
 1/12/09

1/12/09

Reagent List:

4.01:	10.01:
ST081013-1	ST081013-3
7.00 (CCV):	7.00 (ICV):
ST081013-2	ST081013-4

ID	Temp. (°C)	Method	sample vol (g)	sample vol (mL)	pH Value	QC Acceptance Range (pH units)
pH 4.01	25.4	NA	NA	NA	4.01	+/- 0.05
pH 7.00	25.4	NA	NA	NA	7.00	
pH 10.01	25.4	NA	NA	NA	10.01	
ICV - pH 7.00	25.4	NA	NA	NA	7.00	
0901040-1	25.4	SW9040	NA	20.0	6.57	
0901040-1 <i>DUP</i>	25.4	SW9040	NA	20.0	6.64	+/- 0.10
0901040-2	25.4	SW9040	NA	20.0	6.25	
0901040-3	25.4	SW9040	NA	20.0	6.43	
0901040-4	25.4	SW9040	NA	20.0	6.64	
0901040-5	25.4	SW9040	NA	20.0	6.63	
CCV- pH 7.00	25.4	NA	NA	NA	6.99	

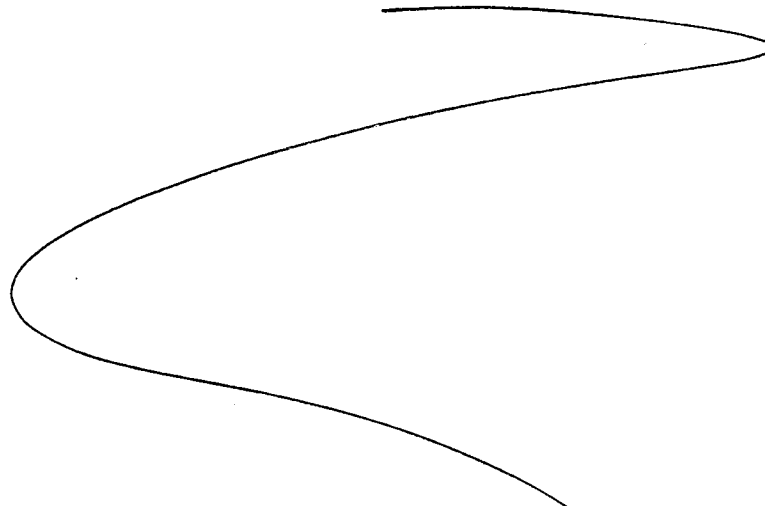
DUPLICATE SUMMARY (Aq)

ID	native pH Value	duplic pH Value	difference of native - dup	accept. limit
0901040-1	6.57	6.64	0.07	0.2 pH units

pH INFORMATION:

SOP 1126 / EPA Method 150.1, 9040B and 9045C
 Instrument : Fisher Scientific pH / mV meter model 50 (SN C0000643)
 Electrode : Orion - Ross Sure-Flow Electrode Model 81-72BN

JBM
 1/12/09



TDS Raw Data Worksheet

Anal Run ID **TD090113-1A**

Anal Start Date **1/13/2009**

Prep 1/12/09 1200-1245
Analyze 1/13/09 0700-1200

SBM
1/13/09

Rm. G 1/14/09

Num	Don't Use	ReRun Num	Lab ID	QC Type	Samp Vol (ml)	Empty Beaker (g)	A - Beaker + Residue gross (g)	A - Net mass (mg)	B - Beaker + Residue gross (g)	B - Net mass (mg)	gross A vs gross B (+/- 0.5mg)	% mass loss (<= 4%)	calculated conc (mg/L)	DL (mg/L)
1	<input type="checkbox"/>	0	TD090112-1	MB	100	76.062	76.0625	0.5	76.0625	0.5	0	NA	5	20
2	<input type="checkbox"/>	0	TD090112-1	LCS	100	65.9082	65.9476	39.4	65.9481	39.9	0.5	1.26%	399	20
3	<input type="checkbox"/>	0	0901040-1	SMP	5	21.7614	21.8161	54.7	21.8161	54.7	0	0.00%	10940	400
4	<input type="checkbox"/>	0	0901040-2	SMP	5	21.6344	21.7105	76.1	21.7106	76.2	0.1	0.13%	15240	400
5	<input type="checkbox"/>	0	0901040-3	SMP	5	21.7721	21.8443	72.2	21.8445	72.4	0.2	0.28%	14480	400
6	<input type="checkbox"/>	0	0901040-4	SMP	10	21.1599	21.2366	76.7	21.2364	76.5	0.2	0.26%	7650	200
7	<input type="checkbox"/>	0	0901040-5	SMP	5	21.5704	21.6139	43.5	21.614	43.6	0.1	0.23%	8720	400
8	<input type="checkbox"/>	0	0901055-1	SMP	10	21.1479	21.1892	41.3	21.189	41.1	0.2	0.49%	4110	200
9	<input type="checkbox"/>	0	0901055-1	DUP	10	21.4645	21.5055	41	21.5057	41.2	0.2	0.49%	4120	200
10	<input type="checkbox"/>	0	0901055-2	SMP	1	21.4153	21.4379	22.6	21.4378	22.5	0.1	0.44%	22500	2000
11	<input type="checkbox"/>	0	0901055-3	SMP	25	44.6477	44.6926	44.9	44.6924	44.7	0.2	0.45%	1788	80
12	<input type="checkbox"/>	0	0901055-4	SMP	25	45.1762	45.2456	69.4	45.2455	69.3	0.1	0.14%	2772	80
13	<input type="checkbox"/>	0	0901055-5	SMP	2	21.3658	21.427	61.2	21.4267	60.9	0.3	0.49%	30450	1000
14	<input type="checkbox"/>	0	0901055-6	SMP	1	21.5094	21.6146	105.2	21.6139	104.5	0.7	0.67%	104500	2000
15	<input type="checkbox"/>	0	0901055-7	SMP	10	21.4912	21.554	62.8	21.5537	62.5	0.3	0.48%	6250	200
16	<input type="checkbox"/>	0	0901055-8	SMP	10	21.9666	22.0033	36.7	22.0027	36.1	0.6	1.65%	3610	200
17	<input type="checkbox"/>	0	0901055-9	SMP	1	21.7752	21.8798	104.6	21.8791	103.9	0.7	0.67%	103900	2000
18	<input type="checkbox"/>	0	0901055-10	SMP	50	80.9857	81.0539	68.2	81.0545	68.8	0.6	0.88%	1376	40
19	<input type="checkbox"/>	0	0901055-11	SMP	25	43.8009	43.8701	69.2	43.8702	69.3	0.1	0.14%	2772	80

Comments:

Standards, Batch QC, and Matrix Spike Information				
ID	Parent ID	Parent Conc	Parent Vol.	Final Vol.
LCS	ST080414-1	40000	1	100

Reagent List:
TDS Spike Solution: 40.0 mg NaCl/mL ST080414-1

SBM
1/13/09

Line	Sample	Sample Type	Method	Data File	Comment
1	5X STD	Calibration	081229.met	c:\peaknet\data\081229\081229_001.dxd	
2	10X STD	Calibration	081229.met	c:\peaknet\data\081229\081229_002.dxd	
3	25X STD	Calibration	081229.met	c:\peaknet\data\081229\081229_003.dxd	
4	100X STD	Calibration	081229.met	c:\peaknet\data\081229\081229_004.dxd	
5	1000X STD	Calibration	081229.met	c:\peaknet\data\081229\081229_005.dxd	
6	0 STD	Calibration	081229.met	c:\peaknet\data\081229\081229_006.dxd	
7	ICV	Sample	081229.met	c:\peaknet\data\081229\081229_007.dxd	ICV
8	ICB	Sample	081229.met	c:\peaknet\data\081229\081229_008.dxd	ICB
9	0812224-2 5X	Sample	081229.met	c:\peaknet\data\081229\081229_009.dxd	F,CL,BR,SO4-300.0
10	0812224-2MS 5X	Sample	081229.met	c:\peaknet\data\081229\081229_010.dxd	F,CL,BR,SO4-300.0
11	0812224-2MSD 5X	Sample	081229.met	c:\peaknet\data\081229\081229_011.dxd	F,CL,BR,SO4-300.0
12	0812224-8 2X	Sample	081229.met	c:\peaknet\data\081229\081229_012.dxd	F,CL,BR,SO4-300.0
13	0812228-2 5X	Sample	081229.met	c:\peaknet\data\081229\081229_013.dxd	F,CL,BR,SO4-300.0
14	0812224-2MSD 50X	Sample	081229.met	c:\peaknet\data\081229\081229_014.dxd	F,CL,BR,SO4-300.0
15	0812224-8 20X	Sample	081229.met	c:\peaknet\data\081229\081229_015.dxd	F,CL,BR,SO4-300.0
16	0812228-2 5X	Sample	081229.met	c:\peaknet\data\081229\081229_016.dxd	F,CL,BR,SO4-300.0
17	IC081229-1MB	Sample	081229.met	c:\peaknet\data\081229\081229_017.dxd	WATER
18	IC081229-1LCS	Sample	081229.met	c:\peaknet\data\081229\081229_018.dxd	WATER
19	CCV	Sample	081229.met	c:\peaknet\data\081229\081229_019.dxd	CCV
20	CCB	Sample	081229.met	c:\peaknet\data\081229\081229_020.dxd	CCB
21	0812213-12	Sample	081229.met	c:\peaknet\data\081229\081229_021.dxd	SO4-9056
22	0812213-14 200X	Sample	081229.met	c:\peaknet\data\081229\081229_022.dxd	SO4-9056
23	0812213-20 200X	Sample	081229.met	c:\peaknet\data\081229\081229_023.dxd	SO4-9056
24	0812213-20MS 200X	Sample	081229.met	c:\peaknet\data\081229\081229_024.dxd	SO4-9056
25	0812213-21 200X	Sample	081229.met	c:\peaknet\data\081229\081229_025.dxd	SO4-9056
26	0812213-21MS 200X	Sample	081229.met	c:\peaknet\data\081229\081229_026.dxd	SO4-9056
27	0812213-21MSD 200X	Sample	081229.met	c:\peaknet\data\081229\081229_027.dxd	SO4-9056
28	CCV	Sample	081229.met	c:\peaknet\data\081229\081229_028.dxd	CCV
29	CCB	Sample	081229.met	c:\peaknet\data\081229\081229_029.dxd	CCB
30	STOP.MET	Sample	stop.met		

Default Method Path: C:\PEAKNET\METHOD

Default Data Path: C:\PEAKNET\DATA\081104

Comment:

BatchDx created schedule.

Analyst:

Instrument #1: DIONEX DX-120. ID Serial Number: 99060762

Analytical Column: Dionex IonPac AS14 S/N 022150

Methods: EPA 300.0 and SW9056. ALS Paragon SOP 1113

Eluent: Made daily, 10mL of Eluent Concentrate ID: RG080610-2 to 1000mL of DI water.

	Final	ID	Aliq
cal std level 1 (1000x)	10.00	ST080722-8, ST081201-8	0.01
cal std level 2 (100x)	5.00	"	0.05
cal std level 3 (25x)	5.00	"	0.20
cal std level 4 (10x)	5.00	"	0.50
cal std level 5 (5x)	5.00	"	1.00
CCV	5.00	ST080722-8, ST081201-8	0.50
ICV	5.00	ST081229-11	0.25
		ST081201-7	0.05
LCS(aq)	5.00	ST081229-11	0.25
		ST081201-7	0.05
MS/MSD (waters)	5.00	ST080219-9	0.05
		ST081201-6	0.05

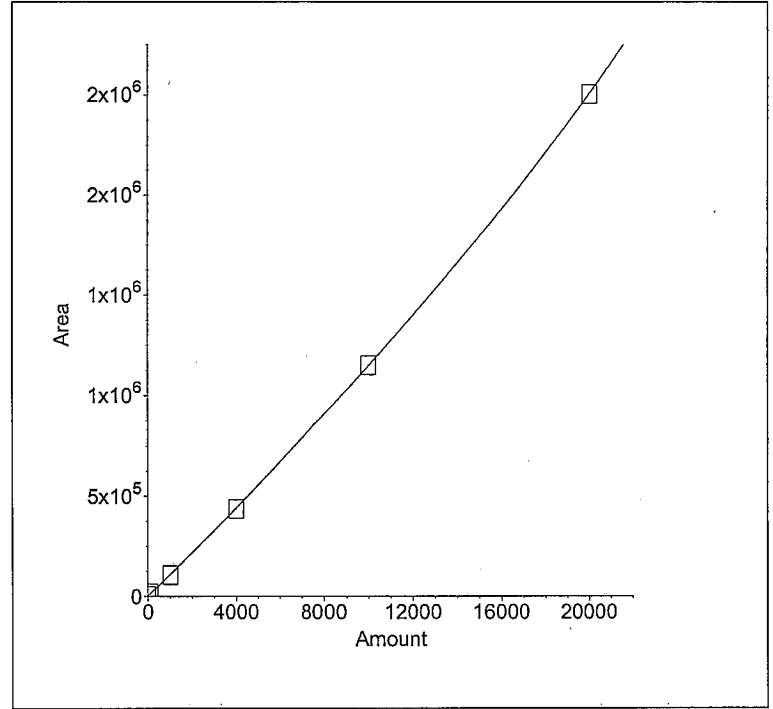
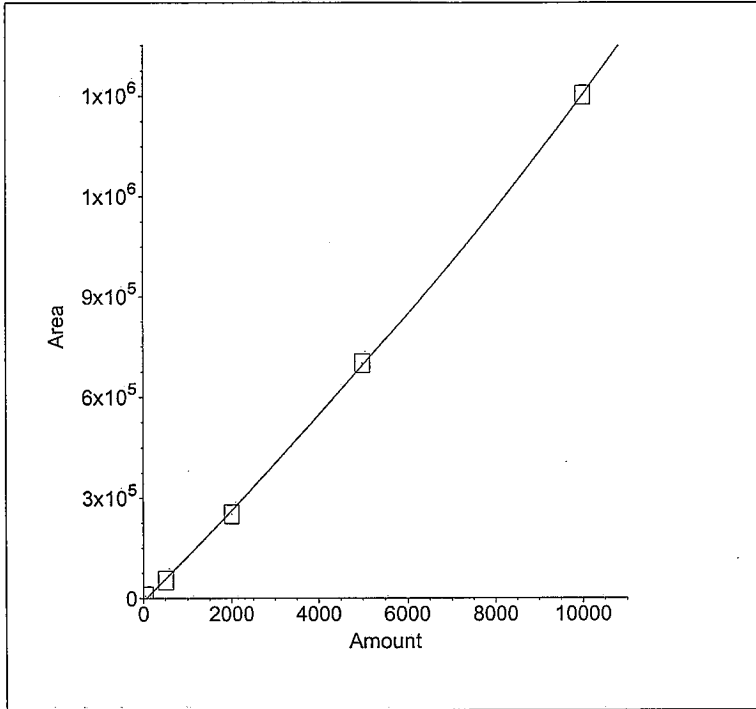
Dilutions Table: All to 5mL Final Volume

10X	0.5mL
20X	0.25mL
25X	0.2mL
50X	0.1mL
100X	0.05mL
200X	0.025mL
500X	0.01mL

1. Component:Fluoride
 Standard:External Fit Type:Quadratic
 Origin:Ignore Calibration:Area
 $r^2=0.999813$
 $Amt=-5.332001e-010*Resp^2+$
 $6.976390e-003*Resp+70.31$

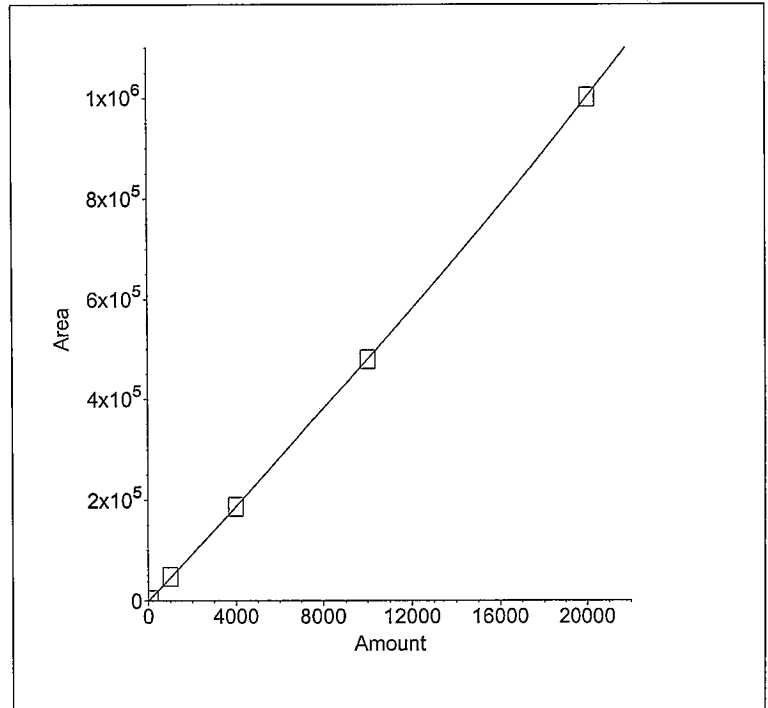
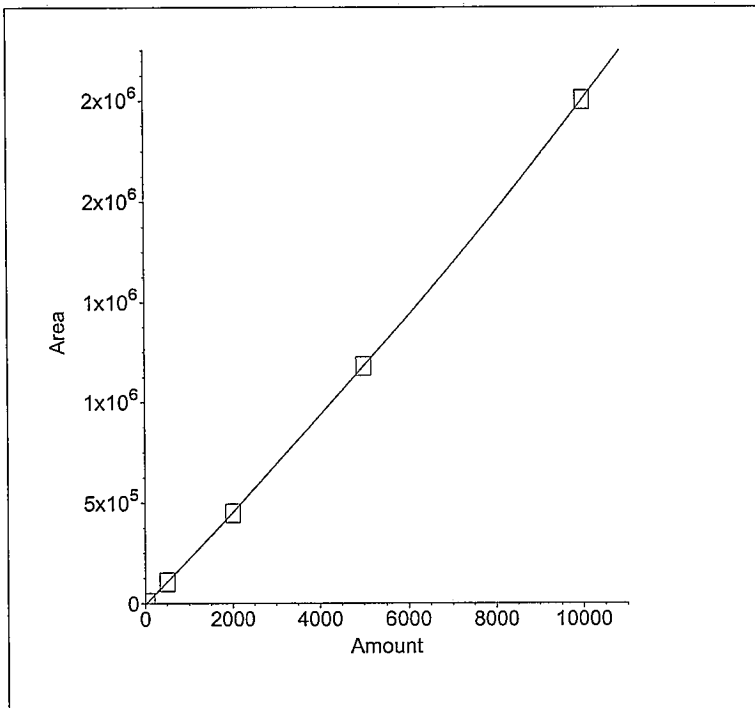
2. Component:Chloride
 Standard:External Fit Type:Quadratic
 Origin:Ignore Calibration:Area
 $r^2=0.999985$
 $Amt=-4.379164e-010*Resp^2+$
 $8.382157e-003*Resp+-14.17$

JBM
12/13/08

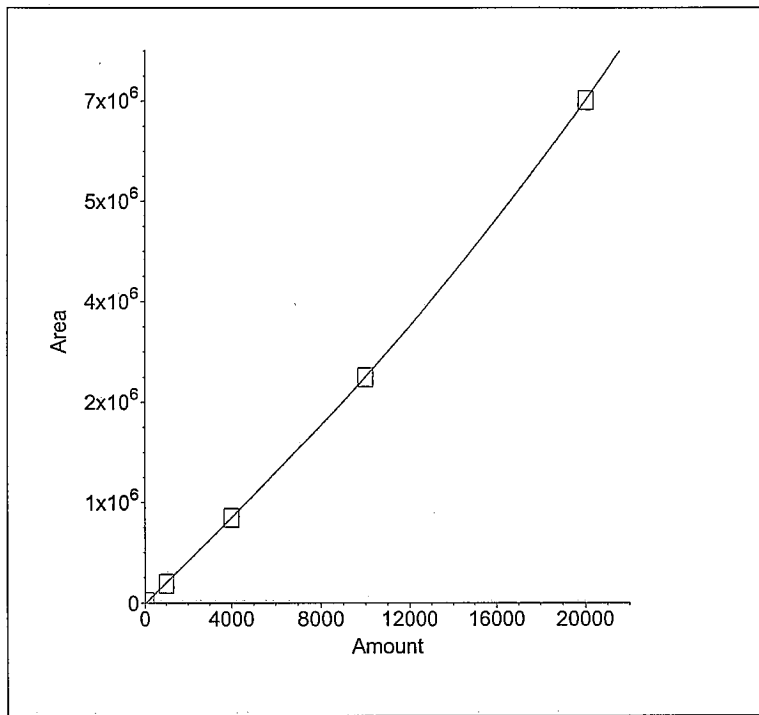


3. Component:Nitrite as N
 Standard:External Fit Type:Quadratic
 Origin:Ignore Calibration:Area
 $r^2=0.999997$
 $Amt=-1.419008e-010*Resp^2+$
 $3.958436e-003*Resp+35.12$

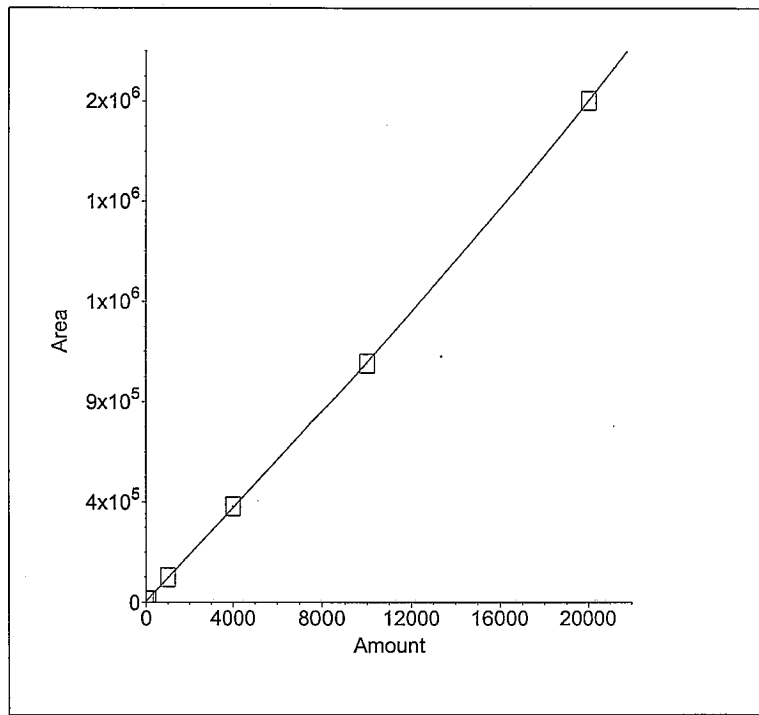
4. Component:Bromide
 Standard:External Fit Type:Quadratic
 Origin:Ignore Calibration:Area
 $r^2=0.999984$
 $Amt=-1.380395e-009*Resp^2+$
 $1.963028e-002*Resp+27.04$



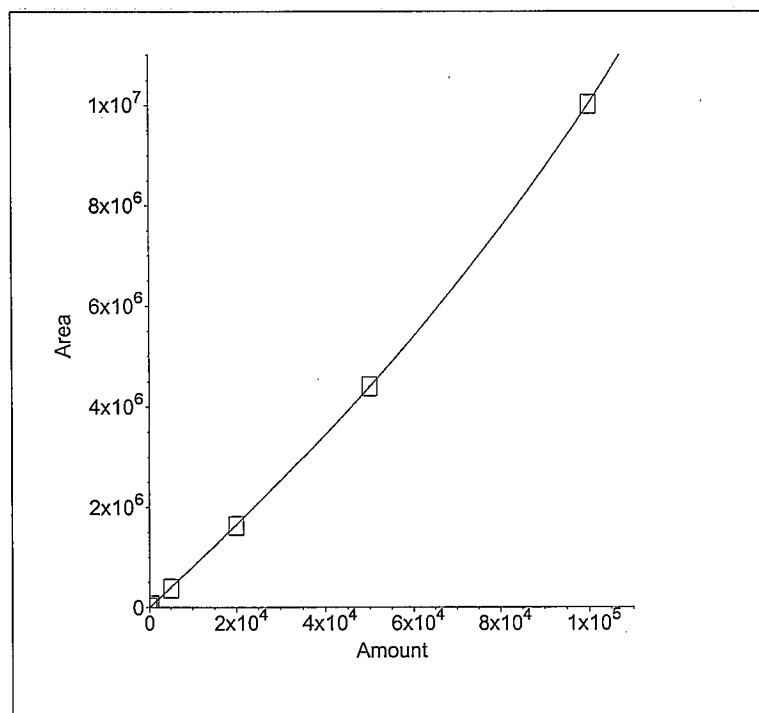
5. Component:Nitrate as N
 Standard:External Fit Type:Quadratic
 Origin:Ignore Calibration:Area
 $r^2=0.999998$
 $Amt=-7.153810e-011*Resp^2+$
 $3.209689e-003*Resp+70.99$



6. Component:Orthophosphate as P
 Standard:External Fit Type:Quadratic
 Origin:Ignore Calibration:Area
 $r^2=0.999966$
 $Amt=-3.121877e-010*Resp^2+$
 $8.985886e-003*Resp+-49.55$



7. Component:Sulfate
 Standard:External Fit Type:Quadratic
 Origin:Ignore Calibration:Area
 $r^2=0.999980$
 $Amt=-1.975433e-010*Resp^2+$
 $1.110804e-002*Resp+150.7$



8. Component:Nitrate/Nitrite as N
 Standard:External Fit Type:
 Origin:Ignore Calibration:Area

(No Levels Component)

Method Report - 081229.met

Method Information : Select Module(s)

System Name : DX120
System Number : 1
Method Type : Ion Chromatography
Column : AS14 4-MM
Analyst : SJL
Comment : Flow rate = 1.2 mL/min,
Eluent = 3.5mM Na₂CO₃ / 1.0 mM NaHCO₃

DX-120 Timed Events

Module Name :
Module Serial Number :
System Mode : Column
Column : A
Pump : On
SRS / Cell : On
Eluent Pressure : On
Pressure Unit : psi
TTL 1 Label : TTL 1
TTL 2 Label : TTL 2
Comment :

Time	Offset	Valve	TTL1	TTL2	AC	Collect
Init	*	Load	Low	Low	Off	
0.00		Load	Low	Low	Off	Begin
0.01		Inject	Low	Low	Off	
0.40		Load	Low	Low	Off	
11.80		Load	High	Low	Off	
11.90		Load	Low	Low	Off	

DX-120 Detector Parameters

Detector Type : DX-120
Data collection time (minutes) : 14.00
Data Collection Rate : 5.00
Real time plot scale maximum (μ S) : 40.000
Real time plot scale minimum (μ S) : -3.000

DX-120 Integration Parameters

Peak detection algorithm : Standard
Starting peak width (seconds) : 8.00
Peak threshold : 0.50
Peak area reject (area counts) : 800.00
Reference peak area reject (area counts) : 800.00

DX-120 Smoothing Parameters

Filter Type : No filter

DX-120 Report Data

Report Format File : C:\PeakNet\method\Default2.rpt
Print Sample Analysis : Yes
Print Calibration Update : Yes
Print Check Standard : No
System Suitability Tests :
No system suitability tests selected.

DX-120 Integration Data Events

Time	Description
0.00	Stop peak detection
0.05	Force baseline at start of all peaks
1.90	Start peak detection
2.20	Void volume treatment for this peak
3.00	Void volume treatment for this peak

DX-120 Calibration Parameters

External or internal calibration : EXTERNAL
Number of replicates for calibration : 1
Rejection : Manual
Level Weighting : Equal
Calibration standard volume : 1.00
Default sample volume : 1.00
Amount units : ug/L
Replace retention time : Yes
Update response : Yes
Default dilution factor : 1.00
Default response factor for unknown peaks : 0.00
Calculate unknowns by area or height : Area

DX-120 Component Identification Table

Component	Retention	Tolerance	Reference
Fluoride	3.00 min	5.00 %	
Chloride	4.32 min	5.00 %	
Nitrite as N	5.27 min	4.90 %	
Bromide	6.81 min	7.30 %	
Nitrate as N	8.08 min	10.00 %	
Orthophosphate as P	10.11 min	4.10 %	
Sulfate	12.03 min	4.10 %	
Nitrate/Nitrite as N	20.00 min	5.00 %	

DX-120 Component Quantitation Table

Component	Retention	Low Limit	High Limit
Fluoride	3.00 min	100	10000
Chloride	4.32 min	200	20000
Nitrite as N	5.27 min	100	10000
Bromide	6.81 min	200	20000
Nitrate as N	8.08 min	200	20000
Orthophosphate as P	10.11 min	300	20000
Sulfate	12.03 min	500	100000
Nitrate/Nitrite as N	20.00 min	0	0

DX-120 Component Calibration Table

Component	Retention Time	Curve Fit	Origin	Cal. by	Response Component	Relative Factor
Fluoride	3.00 min	Quadratic	Ignore	Area		0.00
Chloride	4.32 min	Quadratic	Ignore	Area		0.00
Nitrite as N	5.27 min	Quadratic	Ignore	Area		0.00
Bromide	6.81 min	Quadratic	Ignore	Area		0.00
Nitrate as N	8.08 min	Quadratic	Ignore	Area		0.00
Orthophosphate as P	10.11 min	Quadratic	Ignore	Area		0.00
Sulfate	12.03 min	Quadratic	Ignore	Area		0.00
Nitrate/Nitrite as N	20.00 min	–	Ignore	Area	Fluoride	0.00

DX-120 Component = Fluoride Levels Table

Retention Time : 3.00 min

Amount units : ug/L

Replicate unit type : Area

Number of levels : 6

Number of replicates : 1

Level	Amount	Replicate 1
1	50.00	6635.6
2	500.00	57520.5
3	2000.00	271816
4	5000.00	756666
5	10000.00	1.62378e+006
6	0.00	0

DX-120 Component = Chloride Levels Table

Retention Time : 4.32 min

Amount units : ug/L

Replicate unit type : Area

Number of levels : 6

Number of replicates : 1

Level	Amount	Replicate 1
1	100.00	18094.2
2	1000.00	117726
3	4000.00	487038
4	10000.00	1.28379e+006
5	20000.00	2.79549e+006
6	0.00	2976.7

DX-120 Component = Nitrite as N Levels Table

Retention Time : 5.27 min

Amount units : ug/L

Replicate unit type : Area

Number of levels : 6

Number of replicates : 1

Level	Amount	Replicate 1
1	50.00	4966.8
2	500.00	118204
3	2000.00	502617
4	5000.00	1.31815e+006
5	10000.00	2.79769e+006
6	0.00	0

DX-120 Component = Bromide Levels Table

Retention Time : 6.81 min

Amount units : ug/L

Replicate unit type : Area

Number of levels : 6

Number of replicates : 1

Level	Amount	Replicate 1
1	100.00	1512.9
2	1000.00	52241.1
3	4000.00	205484
4	10000.00	527061
5	20000.00	1.10314e+006
6	0.00	0

DX-120 Component = Nitrate as N Levels Table

Retention Time : 8.08 min

Amount units : ug/L

Replicate unit type : Area

Number of levels : 6

Number of replicates : 1

Level	Amount	Replicate 1
1	100.00	13473.8
2	1000.00	284956
3	4000.00	1.26178e+006
4	10000.00	3.34205e+006
5	20000.00	7.44413e+006
6	0.00	0

DX-120 Component = Orthophosphate as P Levels Table

Retention Time : 10.11 min

Amount units : ug/L

Replicate unit type : Area

Number of levels : 6

Number of replicates : 1

Level	Amount	Replicate 1
1	100.00	10375.6
2	1000.00	120786
3	4000.00	465398
4	10000.00	1.16011e+006
5	20000.00	2.43871e+006
6	0.00	5240.8

DX-120 Component = Sulfate Levels Table

Retention Time : 12.03 min

Amount units : ug/L

Replicate unit type : Area

Number of levels : 6

Number of replicates : 1

Level	Amount	Replicate 1
1	500.00	44380.4
2	5000.00	416884
3	20000.00	1.83182e+006
4	50000.00	4.93145e+006
5	100000.00	1.12299e+007
6	0.00	1559.6

DX-120 Component = Nitrate/Nitrite as N Levels Table

Retention Time : 20.00 min

Amount units : ug/L

Replicate unit type : Area

Number of levels : 0

Number of replicates : 1

DX-120 XY Data Parameters

Calibration Update Report

Sample Name : 5X STD

Data File Name : c:\peaknet\data\081229\081229_001.DXD

Method File Name : c:\peaknet\method\081229.met
Schedule File Name : c:\peaknet\schedule\081229.sch
Date Time Acquired : 12/29/08 3:06:12 PM
Calibration Date : 12/29/08 3:20:12 PM

System Operator : WETCHEM
Datafile Updated : 12/29/08 3:20:12 PM
Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components				
Peak #	Analyte	Retention Time (min.)	Concentration (ug/L)	Peak Area
2	Fluoride	3.01	10000	1623780
3	Chloride	4.32	20000	2795490
4	Nitrite as N	5.24	10000	2797693
5	Bromide	6.68	20000	1103137
6	Nitrate as N	7.76	20000	7444132
7	Orthophosphate as P	9.96	20000	2438712
8	Sulfate	11.88	100000	11229898
	Nitrate/Nitrite as N			

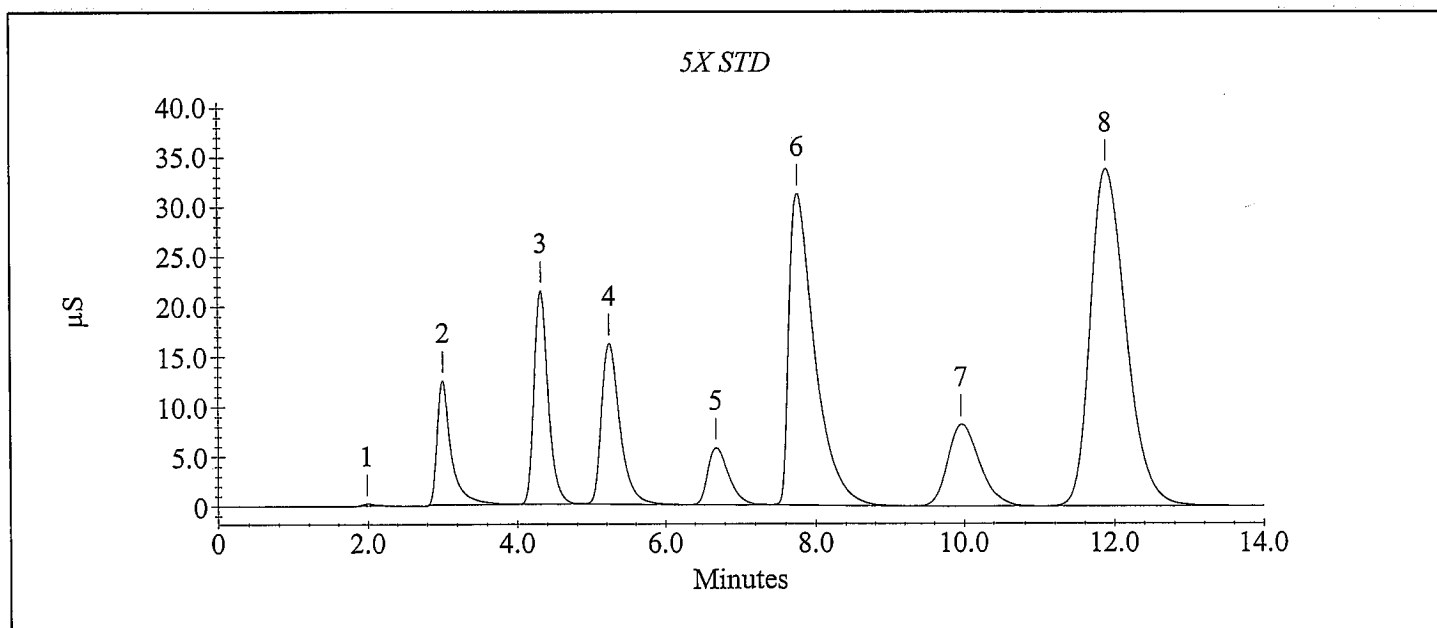
Calibration Update Report

Sample Name : 5X STD

Data File Name : c:\peaknet\data\081229\081229_001.DXD

Method File Name : c:\peaknet\method\081229.met
Schedule File Name : c:\peaknet\schedule\081229.sch
Date Time Acquired : 12/29/08 3:06:12 PM
Calibration Date : 12/29/08 3:20:12 PM

System Operator : WETCHEM
Datafile Updated : 12/29/08 3:20:12 PM
Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...



Calibration Update Report

Sample Name : 10X STD

Data File Name : c:\peaknet\data\081229\081229_002.DXD

Method File Name : c:\peaknet\method\081229.met
Schedule File Name : c:\peaknet\schedule\081229.sch
Date Time Acquired : 12/29/08 3:20:16 PM
Calibration Date : 12/29/08 3:34:17 PM

System Operator : WETCHEM
Datafile Updated : 12/29/08 3:34:17 PM
Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak #	Analyte	Retention Time (min.)	Concentration (ug/L)	Peak Area
2	Fluoride	3.01	5000	756666
3	Chloride	4.35	10000	1283793
4	Nitrite as N	5.31	5000	1318154
5	Bromide	6.83	10000	527061
6	Nitrate as N	7.97	10000	3342053
7	Orthophosphate as P	10.07	10000	1160112
8	Sulfate	11.97	50000	4931454
	Nitrate/Nitrite as N			

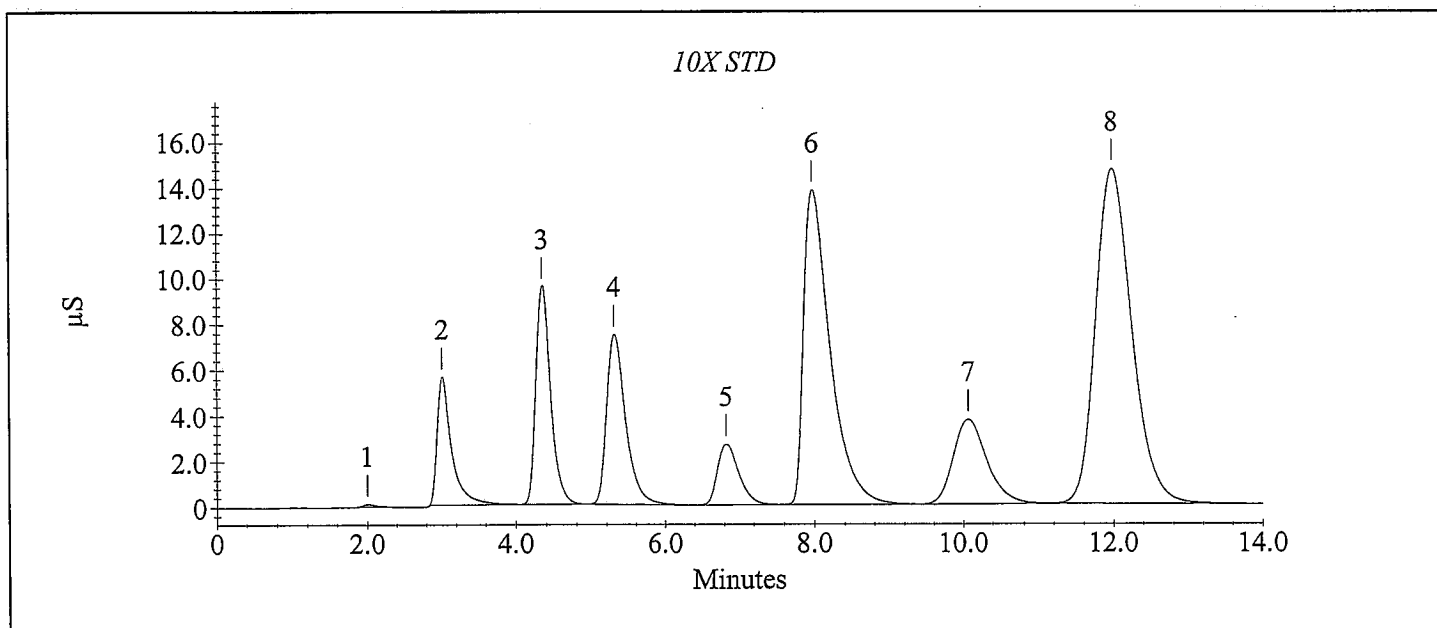
Calibration Update Report

Sample Name : 10X STD

Data File Name : c:\peaknet\data\081229\081229_002.DXD

Method File Name : c:\peaknet\method\081229.met
Schedule File Name : c:\peaknet\schedule\081229.sch
Date Time Acquired : 12/29/08 3:20:16 PM
Calibration Date : 12/29/08 3:34:17 PM

System Operator : WETCHEM
Datafile Updated : 12/29/08 3:34:17 PM
Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...



Calibration Update Report

Sample Name : 25X STD

Data File Name : c:\peaknet\data\081229\081229_003.DXD

Method File Name : c:\peaknet\method\081229.met
Schedule File Name : c:\peaknet\schedule\081229.sch
Date Time Acquired : 12/29/08 3:34:19 PM
Calibration Date : 12/29/08 3:48:21 PM

System Operator : WETCHEM
Datafile Updated : 12/29/08 3:48:21 PM
Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak #	Analyte	Retention Time (min.)	Concentration (ug/L)	Peak Area
2	Fluoride	3.00	2000	271816
3	Chloride	4.32	4000	487038
4	Nitrite as N	5.27	2000	502617
7	Bromide	6.81	4000	205484
8	Nitrate as N	8.08	4000	1261781
9	Orthophosphate as P	10.11	4000	465398
10	Sulfate	12.03	20000	1831818
	Nitrate/Nitrite as N			

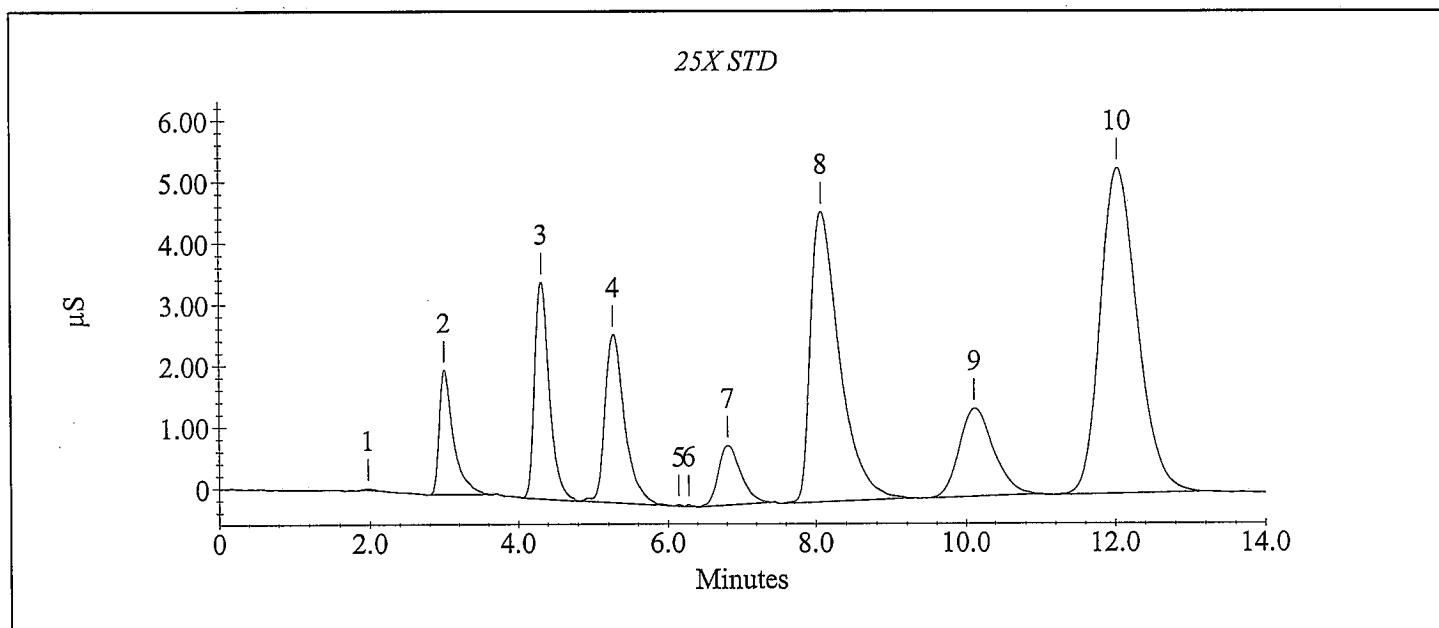
Calibration Update Report

Sample Name : 25X STD

Data File Name : c:\peaknet\data\081229\081229_003.DXD

Method File Name : c:\peaknet\method\081229.met
Schedule File Name : c:\peaknet\schedule\081229.sch
Date Time Acquired : 12/29/08 3:34:19 PM
Calibration Date : 12/29/08 3:48:21 PM

System Operator : WETCHEM
Datafile Updated : 12/29/08 3:48:21 PM
Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...



Calibration Update Report

Sample Name : 100X STD

Data File Name : c:\peaknet\data\081229\081229_004.DXD

Method File Name : c:\peaknet\method\081229.met
Schedule File Name : c:\peaknet\schedule\081229.sch
Date Time Acquired : 12/29/08 3:48:24 PM
Calibration Date : 12/29/08 4:02:25 PM

System Operator : WETCHEM
Datafile Updated : 12/29/08 4:02:25 PM
Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components				
Peak #	Analyte	Retention Time (min.)	Concentration (ug/L)	Peak Area
2	Fluoride	3.01	500	57520
4	Chloride	4.35	1000	117726
5	Nitrite as N	5.31	500	118204
6	Bromide	6.83	1000	52241
7	Nitrate as N	8.11	1000	284956
8	Orthophosphate as P	10.12	1000	120786
9	Sulfate	12.04	5000	416884
	Nitrate/Nitrite as N			

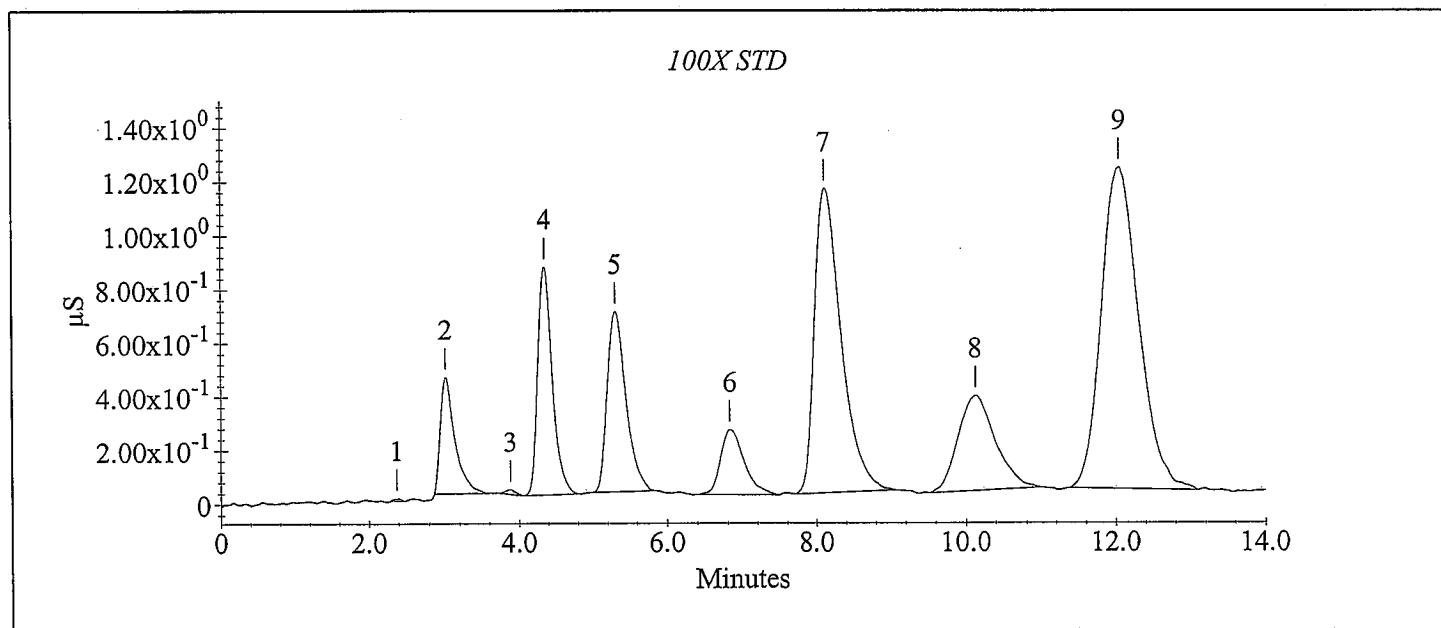
Calibration Update Report

Sample Name : 100X STD

Data File Name : c:\peaknet\data\081229\081229_004.DXD

Method File Name : c:\peaknet\method\081229.met
Schedule File Name : c:\peaknet\schedule\081229.sch
Date Time Acquired : 12/29/08 3:48:24 PM
Calibration Date : 12/29/08 4:02:25 PM

System Operator : WETCHEM
Datafile Updated : 12/29/08 4:02:25 PM
Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...



Calibration Update Report

Sample Name : 1000X STD

Data File Name : c:\peaknet\data\081229\081229_005.DXD

Method File Name : c:\peaknet\method\081229.met
Schedule File Name : c:\peaknet\schedule\081229.sch
Date Time Acquired : 12/29/08 4:02:27 PM
Calibration Date : 12/29/08 4:16:28 PM

System Operator : WETCHEM
Datafile Updated : 12/29/08 4:16:28 PM
Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak #	Analyte	Retention Time (min.)	Concentration (ug/L)	Peak Area
2	Fluoride	3.03	50	6636
3	Chloride	4.32	100	18094
5	Nitrite as N	5.28	50	4967
6	Bromide	6.52	100	1513
9	Nitrate as N	8.13	100	13474
12	Orthophosphate as P	10.16	100	10376
14	Sulfate	12.07	500	44380
	Nitrate/Nitrite as N			

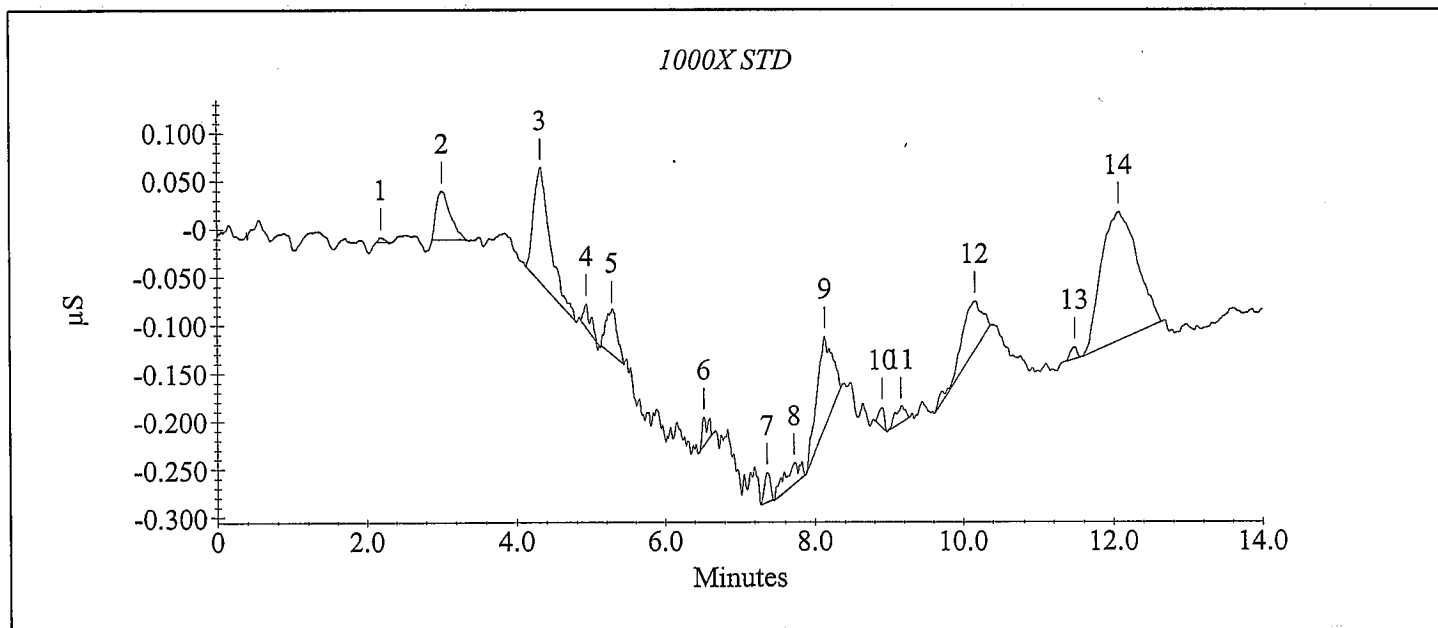
Calibration Update Report

Sample Name : 1000X STD

Data File Name : c:\peaknet\data\081229\081229_005.DXD

Method File Name : c:\peaknet\method\081229.met
Schedule File Name : c:\peaknet\schedule\081229.sch
Date Time Acquired : 12/29/08 4:02:27 PM
Calibration Date : 12/29/08 4:16:28 PM

System Operator : WETCHEM
Datafile Updated : 12/29/08 4:16:28 PM
Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...



Calibration Update Report

Sample Name : 0 STD

Data File Name : c:\peaknet\data\081229\081229_006.DXD

Method File Name : c:\peaknet\method\081229.met
Schedule File Name : c:\peaknet\schedule\081229.sch
Date Time Acquired : 12/29/08 4:16:31 PM
Calibration Date : 12/29/08 4:30:32 PM

System Operator : WETCHEM
Datafile Updated : 12/29/08 4:30:32 PM
Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components				
Peak #	Analyte	Retention Time (min.)	Concentration (ug/L)	Peak Area
1		3.16	0	
3	Chloride	4.39	0	2977
	Nitrite as N			
	Bromide			
	Nitrate as N			
4	Orthophosphate as P	10.13	0	5241
5	Sulfate	12.20	0	1560
	Nitrate/Nitrite as N			

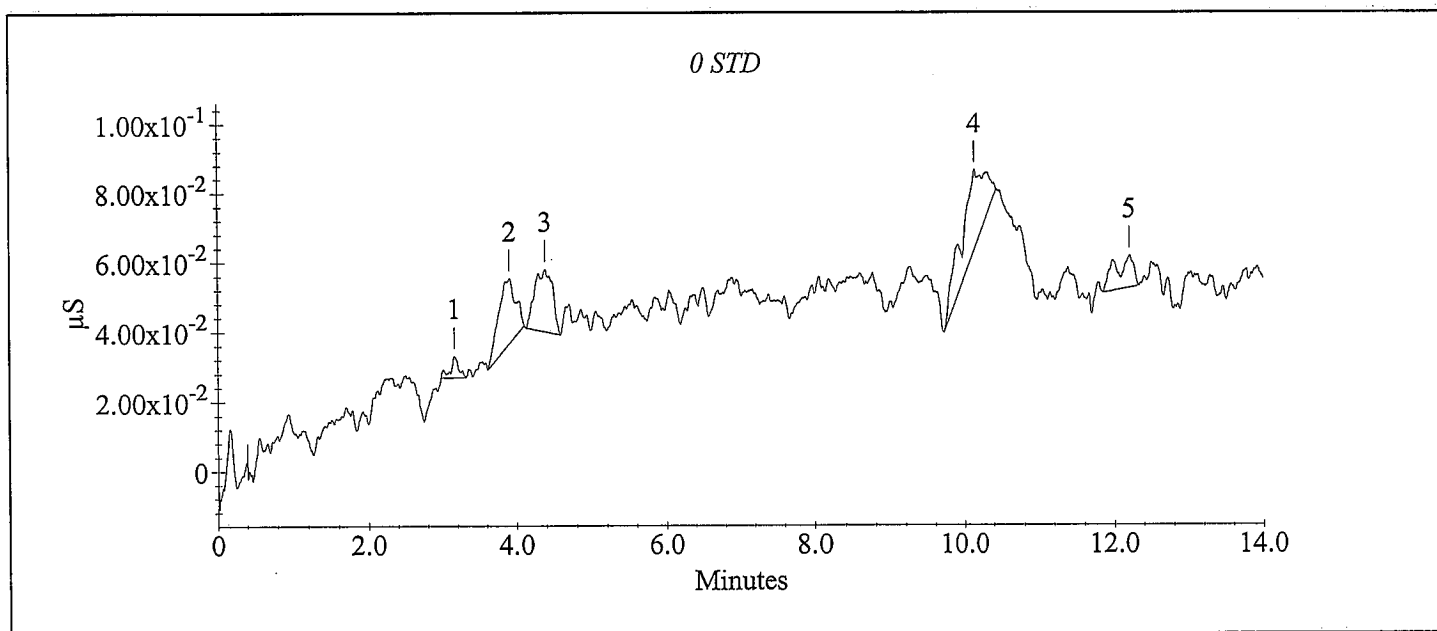
Calibration Update Report

Sample Name : 0 STD

Data File Name : c:\peaknet\data\081229\081229_006.DXD

Method File Name : c:\peaknet\method\081229.met
Schedule File Name : c:\peaknet\schedule\081229.sch
Date Time Acquired : 12/29/08 4:16:31 PM
Calibration Date : 12/29/08 4:30:32 PM

System Operator : WETCHEM
Datafile Updated : 12/29/08 4:30:32 PM
Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...



JBW
12/30/08

DAILY VERIFICATION FOR ION CHROMATOGRAPH (Used internally for comparative check purposes)

Analysis Date: 12/29/08
Analyst Name: EAL
Filename for CV: 0812129/081229_007.DXD
Calibration Date: 12/29/08
Method ID: 081229.met
Updated Method date: NA

Calibration Equation Verification

Analyte	calibration type:	1st regression coefficient	2nd regression coefficient	intercept	A conc reported by PeakNet ug/L	observed peak area	B conc calc by spread- sheet ug/L	A/B *100 agreement %
Cl	quad. incl. 0,0	-4.379164E-10	8.382157E-03	-14.170	5138.3	635814	5138.3	100.0

Retention Time (RT) Verification

Analyte	RT at calibration	RT in updated method (1st ICV or CCV)	deviation % (calibration vs. update) 10% tolerance	window width tolerance (NA)
F	3.00	3.00	0.0	5.00 %
Cl	4.32	4.31	0.2	5.00 %
NO2-N	5.27	5.25	0.4	4.90 %
Br	6.81	6.75	0.9	7.30 %
NO3-N	8.08	7.96	1.5	10.00 %
PO4-P	10.11	10.09	0.2	4.10 %
SO4	12.03	12.03	0.0	4.10 %

Sample Analysis Report

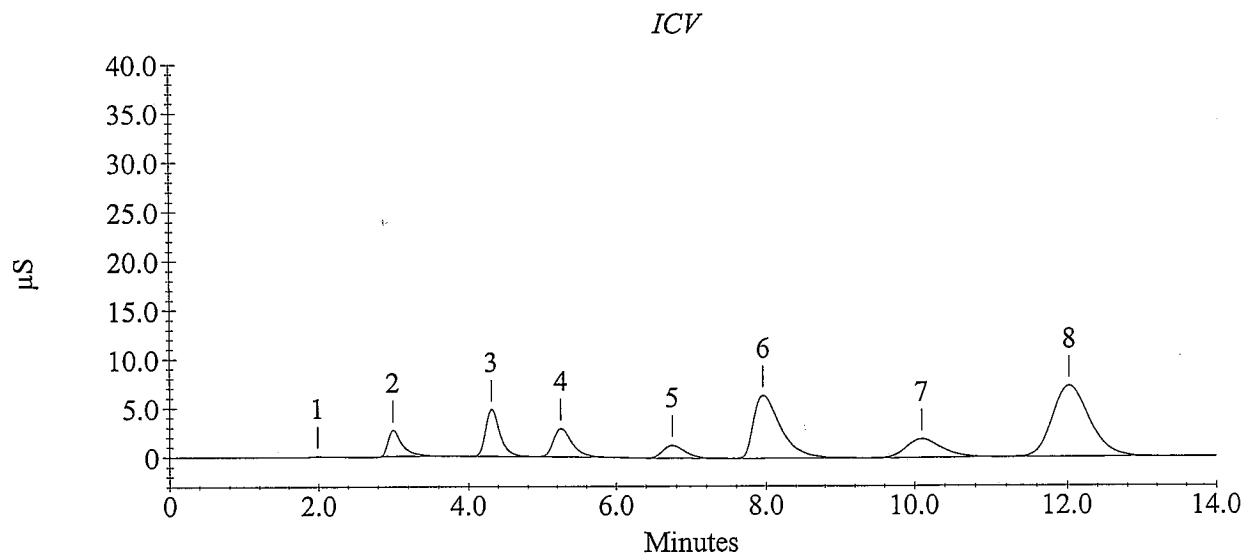
Sample Name : ICV

Data File Name : c:\peaknet\data\081229\081229_007.DXD

Method File Name : C:\PEAKNET\METHOD\081229.met Current Date : 12/30/08
Date, Time Analyzed : 12/29/08 4:30:34 PM Current Time : 9:41:45 AM
System Operator : WETCHEM Datafile Updated : 12/29/08 4:44:35 PM
Calibration Updated : 12/30/08 9:41:02 AM Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
2	Fluoride	3.00	2415.4		345262
3	Chloride	4.31	5138.3		635814
4	Nitrite as N	5.25	1990.1		502939
5	Bromide	6.75	5132.7		265030
6	Nitrate as N	7.96	5094.6		1623930
7	Orthophosphate as P	10.09	5520.2		633788
8	Sulfate	12.03	26485.3		2480160
	Nitrate/Nitrite as N				



Sample Analysis Report

Sample Name : ICB

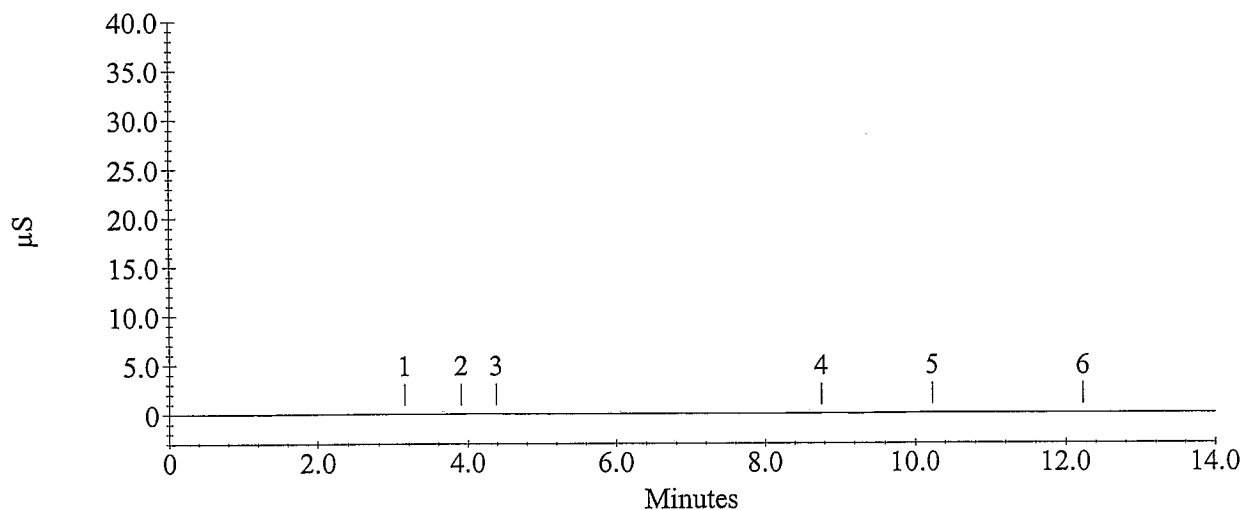
Data File Name : c:\peaknet\data\081229\081229_008.DXD

Method File Name : C:\PEAKNET\METHOD\081229.met Current Date : 12/30/08
Date, Time Analyzed : 12/29/08 4:44:37 PM Current Time : 9:41:46 AM
System Operator : WETCHEM Datafile Updated : 12/29/08 4:58:38 PM
Calibration Updated : 12/30/08 9:41:02 AM Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
1		3.15	0.0		365
3	Chloride	4.39	28.4	-	5079
	Nitrite as N				
	Bromide				
4	Nitrate as N	8.76	78.3	-	2288
5	Orthophosphate as P	10.23	107.6	-	17495
6	Sulfate	12.23	189.9	-	3535
	Nitrate/Nitrite as N				

ICB



CONDUCTIVITY SCREENING WORKSHEET

Instrument ID: VWR Digital Conductivity Meter S/N A22036

Workorder ID / Sample No.	Estimated μS	Dilution(s)	Anion(s)	Date	Initials	Comments
0812213	1 900	10	Cl, SO ₄	12/23/08	JBM	
	2 ↓	↓	↓	↓	↓	
	3 1000	↓	↓	↓	↓	
	4 900	↓	↓	↓	↓	
	5 13000	200	↓	↓	↓	
	6 7000	100	↓	↓	↓	
	7 ↓	↓	↓	↓	↓	
	8 6000	↓	↓	↓	↓	
	9 7000	↓	↓	↓	↓	
	10 11000	200	↓	↓	↓	
	11 8000	100	↓	↓	↓	
	12 15	1X	↓	↓	↓	
	13 8000	100	↓	↓	↓	
	14 72000	2000	↓	↓	↓	
	15 13000	200	↓	↓	↓	
	16 1000	10	↓	↓	↓	
	17 ↓	↓	↓	↓	↓	
	18 ↓	↓	↓	↓	↓	
	19 1700	20	↓	↓	↓	
	20 70000	2000	↓	↓	↓	
↓	21 80000	↓	↓	↓	↓	
0812214	1 1100	20	NO ₂ , NO ₃	↓	↓	O.O.H
0812224	2 2100	5, 50	F, Cl, Br, SO ₄	12/29/08	JBM	
↓	8 1200	2, 20	↓	↓	↓	
0812228	2 600	1, 5	↓	↓	↓	
0812247	1 500		SLAW	12/30/08	JBM	
0812248	1 350		TOS ONLY	↓	↓	
0812262	2 2500	5, 50	F, Br, Cl, SO ₄	12/31/08	JBM	
0812263	1 265	1X	Cl	↓	↓	
↓	2 200	↓	↓	↓	↓	
0901021	2 30000	50 500	F, Cl, Br, SO ₄	1/9/09	JBM	
↓	9 3500	5 50	↓	↓	↓	
↓	15 1600	2 20	↓	↓	↓	
↓	22 1500	2 20	↓	↓	↓	
0901030	2 1400	2 20	↓	↓	↓	
0901040	1 13000	20 500	SCAN	↓	↓	
↓	2 18000	↓	↓	↓	↓	
↓	3 17000	↓	↓	↓	↓	
↓	4 9000	10 500	↓	↓	↓	
↓	5 10500	10 500	↓	↓	↓	

Reviewed by / Date

1/9/09

Form 1116r4.frm (6/29/04)

Line	Sample	Sample Type	Method	Data File	Comment
1	5X STD	Calibration	081229.met	c:\peaknet\data\081229\081229_001.dxd	
2	10X STD	Calibration	081229.met	c:\peaknet\data\081229\081229_002.dxd	
3	25X STD	Calibration	081229.met	c:\peaknet\data\081229\081229_003.dxd	
4	100X STD	Calibration	081229.met	c:\peaknet\data\081229\081229_004.dxd	
5	1000X STD	Calibration	081229.met	c:\peaknet\data\081229\081229_005.dxd	
6	0 STD	Calibration	081229.met	c:\peaknet\data\081229\081229_006.dxd	
7	ICV	Sample	081229.met	c:\peaknet\data\081229\081229_007.dxd	ICV
8	ICB	Sample	081229.met	c:\peaknet\data\081229\081229_008.dxd	ICB
9	CCV	Sample	081229.met	c:\peaknet\data\090109\090109_009.dxd	CCV
10	CCB	Sample	081229.met	c:\peaknet\data\090109\090109_010.dxd	CCB
11	0901040-3 20X	Sample	081229.met	c:\peaknet\data\090109\090109_011.dxd	F, CL, NO2, BR, NO3, PO4, SO4-300.0
12	0901040-4 10X	Sample	081229.met	c:\peaknet\data\090109\090109_012.dxd	F, CL, NO2, BR, NO3, PO4, SO4-300.0
13	0901040-5 10X	Sample	081229.met	c:\peaknet\data\090109\090109_013.dxd	F, CL, NO2, BR, NO3, PO4, SO4-300.0
14	0901040-1 20X	Sample	081229.met	c:\peaknet\data\090109\090109_014.dxd	F, CL, NO2, BR, NO3, PO4, SO4-300.0
15	0901040-2 20X	Sample	081229.met	c:\peaknet\data\090109\090109_015.dxd	F, CL, NO2, BR, NO3, PO4, SO4-300.0
16	IC090109-1MB	Sample	081229.met	c:\peaknet\data\090109\090109_016.dxd	WATER
17	IC090109-1LCS	Sample	081229.met	c:\peaknet\data\090109\090109_017.dxd	WATER
18	0901021-2 50X	Sample	081229.met	c:\peaknet\data\090109\090109_018.dxd	F, CL, BR, SO4-300.0
19	0901021-9 5X	Sample	081229.met	c:\peaknet\data\090109\090109_019.dxd	F, CL, BR, SO4-300.0
20	0901021-15 2X	Sample	081229.met	c:\peaknet\data\090109\090109_020.dxd	F, CL, BR, SO4-300.0
21	CCV	Sample	081229.met	c:\peaknet\data\090109\090109_021.dxd	CCV
22	CCB	Sample	081229.met	c:\peaknet\data\090109\090109_022.dxd	CCB ——— C1 — 0.29 mg/L *
23	0901021-22 2X	Sample	081229.met	c:\peaknet\data\090109\090109_023.dxd	F, CL, BR, SO4-300.0
24	0901030-2 2X	Sample	081229.met	c:\peaknet\data\090109\090109_024.dxd	F, CL, BR, SO4-300.0
25	0901021-2MS 50X	Sample	081229.met	c:\peaknet\data\090109\090109_025.dxd	F, CL, BR, SO4-300.0
26	0901021-2MSD 50X	Sample	081229.met	c:\peaknet\data\090109\090109_026.dxd	F, CL, BR, SO4-300.0
27	0901021-2 500X	Sample	081229.met	c:\peaknet\data\090109\090109_027.dxd	F, CL, BR, SO4-300.0
28	0901021-9 50X	Sample	081229.met	c:\peaknet\data\090109\090109_028.dxd	F, CL, BR, SO4-300.0
29	0901021-15 20X	Sample	081229.met	c:\peaknet\data\090109\090109_029.dxd	F, CL, BR, SO4-300.0
30	0901021-22 20X	Sample	081229.met	c:\peaknet\data\090109\090109_030.dxd	F, CL, BR, SO4-300.0
31	0901030-2 20X	Sample	081229.met	c:\peaknet\data\090109\090109_031.dxd	F, CL, BR, SO4-300.0
32	0901040-1 500X	Sample	081229.met	c:\peaknet\data\090109\090109_032.dxd	F, CL, NO2, BR, NO3, PO4, SO4-300.0
33	CCV	Sample	081229.met	c:\peaknet\data\090109\090109_033.dxd	CCV
34	CCB	Sample	081229.met	c:\peaknet\data\090109\090109_034.dxd	CCB ——— C1 — 0.21 mg/L *
35	0901040-2 500X	Sample	081229.met	c:\peaknet\data\090109\090109_035.dxd	F, CL, NO2, BR, NO3, PO4, SO4-300.0
36	0901040-3 500X	Sample	081229.met	c:\peaknet\data\090109\090109_036.dxd	F, CL, NO2, BR, NO3, PO4, SO4-300.0
37	0901040-4 500X	Sample	081229.met	c:\peaknet\data\090109\090109_037.dxd	F, CL, NO2, BR, NO3, PO4, SO4-300.0
38	0901040-5 500X	Sample	081229.met	c:\peaknet\data\090109\090109_038.dxd	F, CL, NO2, BR, NO3, PO4, SO4-300.0
39	IC090109-1MB	Sample	081229.met	c:\peaknet\data\090109\090109_039.dxd	WATER
40	IC090109-1LCS	Sample	081229.met	c:\peaknet\data\090109\090109_040.dxd	WATER
41	0901021-22 2X	Sample	081229.met	c:\peaknet\data\090109\090109_041.dxd	F, CL, BR, SO4-300.0
42	CCV	Sample	081229.met	c:\peaknet\data\090109\090109_042.dxd	CCV — F- 111%
43	CCB	Sample	081229.met	c:\peaknet\data\090109\090109_043.dxd	CCB ——— C1 — 0.36 mg/L *
44	STOP.MET	Sample	stop.met		

Default Method Path: C:\PEAKNET\METHOD
 Default Data Path: C:\PEAKNET\DATA\081104
 Comment:

BatchDx created schedule. Analyst: E 1/12/09
 Instrument #1: DIONEX DX-120. ID Serial Number: 99060762
 Analytical Column: Dionex IonPac AS14 S/N 022150
 Methods: EPA 300.0 and SW9056. ALS Paragon SOP 1113
 Eluent: Made daily, 10mL of Eluent Concentrate ID: RG080610-2 to 1000mL of DI water.

	Final	ID	Aliq
cal std level 1 (1000x)	10.00	ST080722-8, ST081201-8	0.01
cal std level 2 (100x)	5.00	"	0.05
cal std level 3 (25x)	5.00	"	0.20
cal std level 4 (10x)	5.00	"	0.50
cal std level 5 (5x)	5.00	"	1.00
CCV	5.00	ST080722-8, ST081201-8	0.50
ICV	5.00	ST081229-11	0.25
		ST081201-7	0.05
LCS(aq)	5.00	ST081229-11	0.25
		ST081201-7	0.05
MS/MSD (waters)	5.00	ST080219-9	0.05
		ST081201-6	0.05

Dilutions Table: All to 5mL Final Volume

10X	0.5mL
20X	0.25mL
25X	0.2mL
50X	0.1mL
100X	0.05mL
200X	0.025mL
500X	0.01mL

38M
 1/12/09 * : SAMPLES 10X > THAN
 FOUND IN BLANKS OR 'ND'.

BM
1/12/09

DAILY VERIFICATION FOR ION CHROMATOGRAPH (Used internally for comparative check purposes)

Analysis Date: 01/09/09
Analyst Name: EAL
Filename for CV: 090109/090109_009.DXD
Calibration Date: 12/29/08
Method ID: 081229.met
Updated Method date: NA

Calibration Equation Verification

Analyte	calibration type:	1st regression coefficient	2nd regression coefficient	intercept	A conc reported by PeakNet ug/L	conc calc by spread- sheet ug/L	A/B *100 agreement %
Cl	quad. incl. 0,0	-4.379164E-10	8.382157E-03	-14.170	10113.3	10113.3	100.0

Retention Time (RT) Verification

Analyte	RT at calibration	RT in updated method (1st ICV or CCV)	deviation % (calibration vs. update) 10% tolerance	window width tolerance (NA)
F	3.00	3.00	0.0	5.00 %
Cl	4.32	4.31	0.2	5.00 %
NO2-N	5.27	5.25	0.4	4.90 %
Br	6.81	6.75	0.9	7.30 %
NO3-N	8.08	7.96	1.5	10.00%
PO4-P	10.11	10.09	0.2	4.10 %
SO4	12.03	12.03	0.0	4.10 %

Sample Analysis Report

Sample Name : CCV

Data File Name : c:\peaknet\data\090109\090109_009.DXD

Method File Name : c:\peaknet\method\081229.met

Date, Time Analyzed : 1/9/09 10:49:37 AM

System Operator : WETCHEM

Calibration Updated : 12/30/08 9:41:02 AM

Current Date : 1/9/09

Current Time : 11:03:43 AM

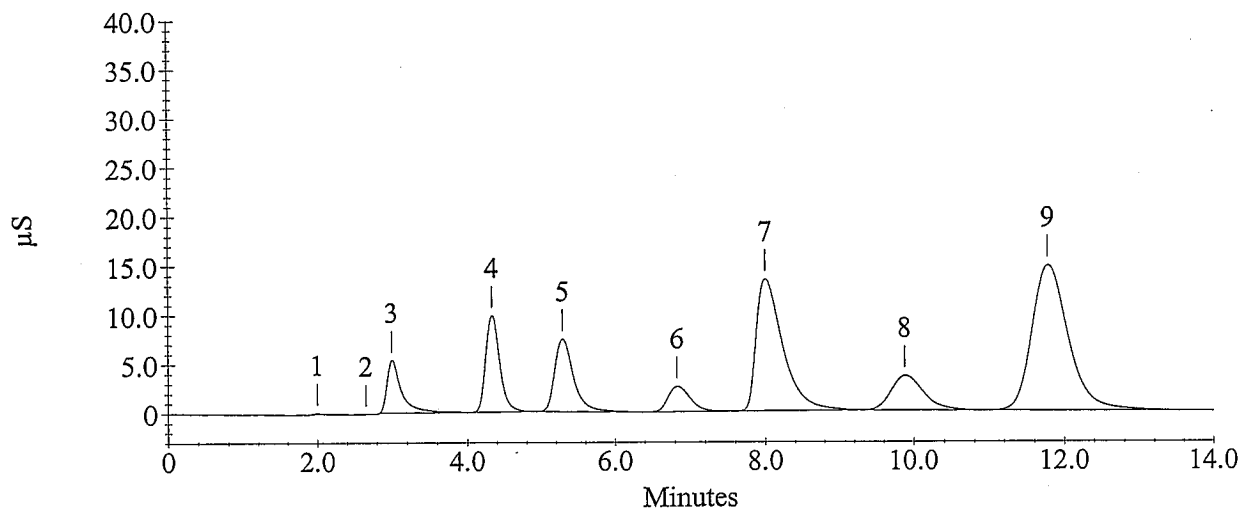
Datafile Updated : 1/9/09 11:03:42 AM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
3	Fluoride	3.00	4794.2		716338
4	Chloride	4.33	10113.3		1295965
5	Nitrite as N	5.29	4986.9		1312729
6	Bromide	6.83	9814.8		517432
7	Nitrate as N	8.00	9929.1		3316495
8	Orthophosphate as P	9.88	9259.5		1076196
9	Sulfate	11.77	50938.9		5020440
	Nitrate/Nitrite as N				

CCV



Sample Analysis Report

Sample Name : CCB

Data File Name : c:\peaknet\data\090109\090109_010.DXD

Method File Name : c:\peaknet\method\081229.met

Date, Time Analyzed : 1/9/09 11:03:45 AM

System Operator : WETCHEM

Calibration Updated : 12/30/08 9:41:02 AM

Current Date : 1/9/09

Current Time : 11:17:47 AM

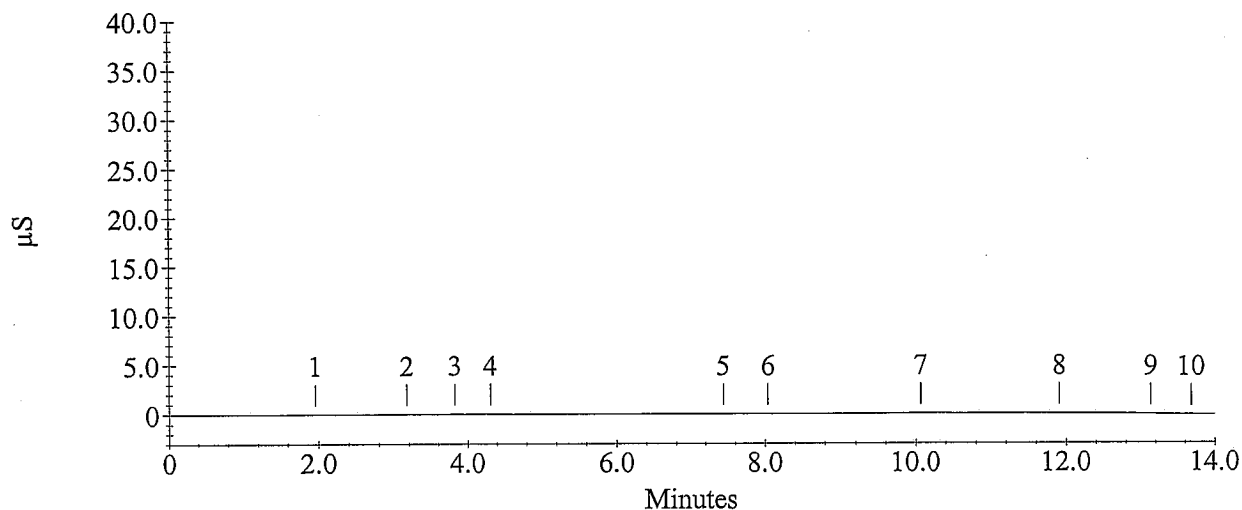
Datafile Updated : 1/9/09 11:17:46 AM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
1		1.96	0.0		1696
4	Chloride	4.31	55.2	-	8275
	Nitrite as N				
	Bromide				
6	Nitrate as N	8.04	78.4	-	2314
7	Orthophosphate as P	10.07	62.8	-	12505
8	Sulfate	11.91	273.8	-	11086
	Nitrate/Nitrite as N				

CCB



Sample Analysis Report

Sample Name : 0901040-3 20X

Data File Name : c:\peaknet\data\090109\090109_011.DXD

Method File Name : c:\peaknet\method\081229.met

Date, Time Analyzed : 1/9/09 11:17:48 AM

System Operator : WETCHEM

Calibration Updated : 12/30/08 9:41:02 AM

Current Date : 1/9/09

Current Time : 11:31:51 AM

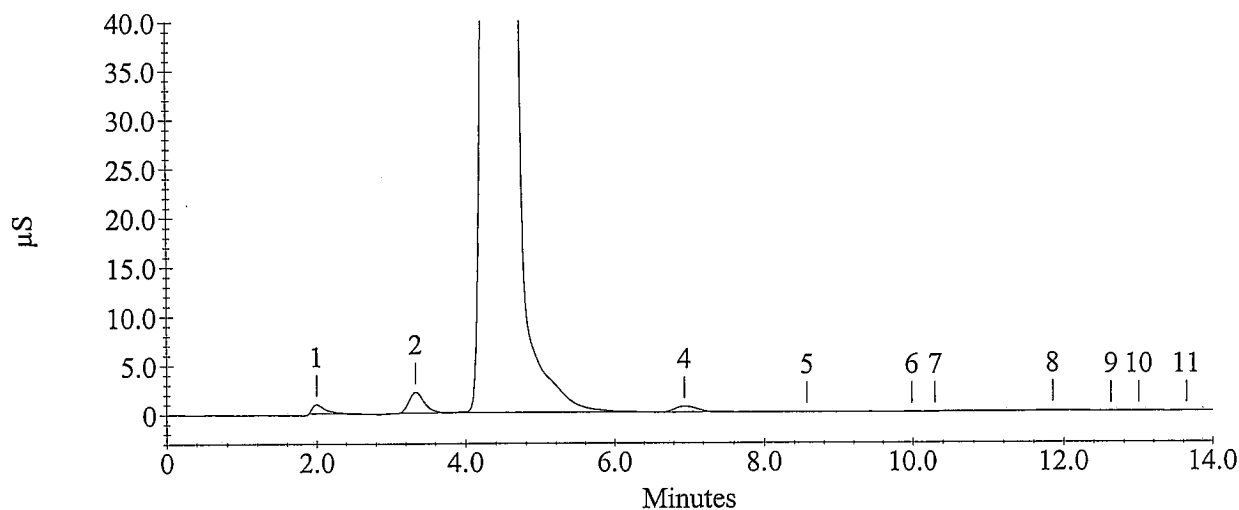
Datafile Updated : 1/9/09 11:31:50 AM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
1	Chloride	2.00	0.0		108789
	Nitrite as N				
4	Bromide	6.95	2437.2		123857
5	Nitrate as N	8.57	82.1	-	3467
6	Orthophosphate as P	9.99	-40.2	-	1045
8	Sulfate	11.85	647.1		44726
	Nitrate/Nitrite as N				

0901040-3 20X



Sample Analysis Report

Sample Name : 0901040-4 10X

Data File Name : c:\peaknet\data\090109\090109_012.DXD

Method File Name : c:\peaknet\method\081229.met

Date, Time Analyzed : 1/9/09 11:31:52 AM

System Operator : WETCHEM

Calibration Updated : 12/30/08 9:41:02 AM

Current Date : 1/9/09

Current Time : 11:45:54 AM

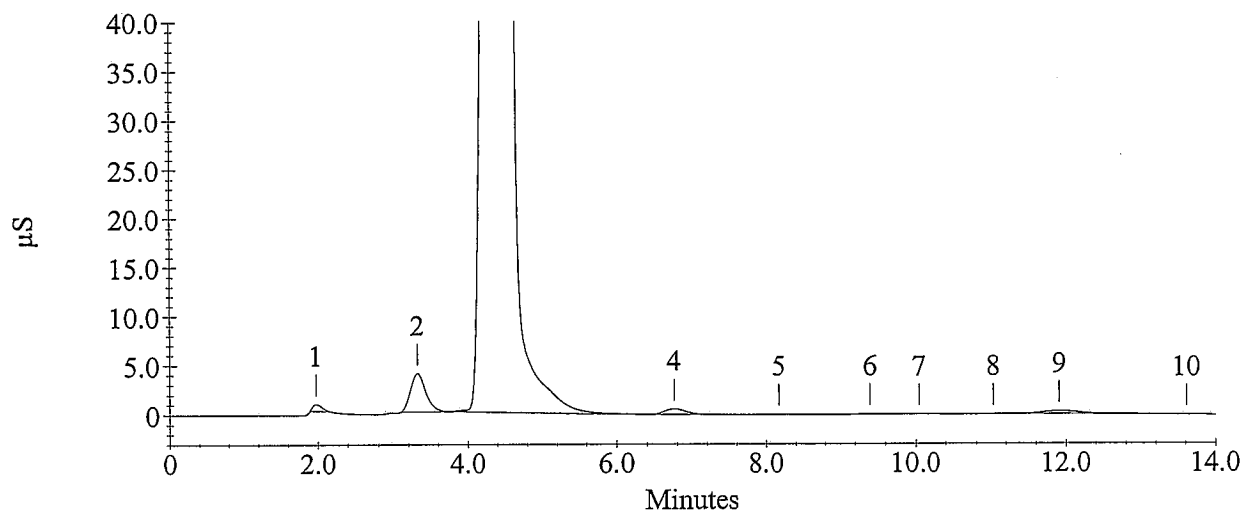
Datafile Updated : 1/9/09 11:45:54 AM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
1		1.97	0.0		59252
3	Chloride	4.53	-1208544.2	-	62968269
4	Nitrite as N				
4	Bromide	6.76	2176.3		110342
5	Nitrate as N	8.17	101.2	-	9412
7	Orthophosphate as P	10.04	23.6	-	8144
9	Sulfate	11.91	1247.9		98948
	Nitrate/Nitrite as N				

0901040-4 10X



Sample Analysis Report

Sample Name : 0901040-5 10X

Data File Name : c:\peaknet\data\090109\090109_013.DXD

Method File Name : c:\peaknet\method\081229.met

Date, Time Analyzed : 1/9/09 11:45:57 AM

System Operator : WETCHEM

Calibration Updated : 12/30/08 9:41:02 AM

Current Date : 1/9/09

Current Time : 11:59:58 AM

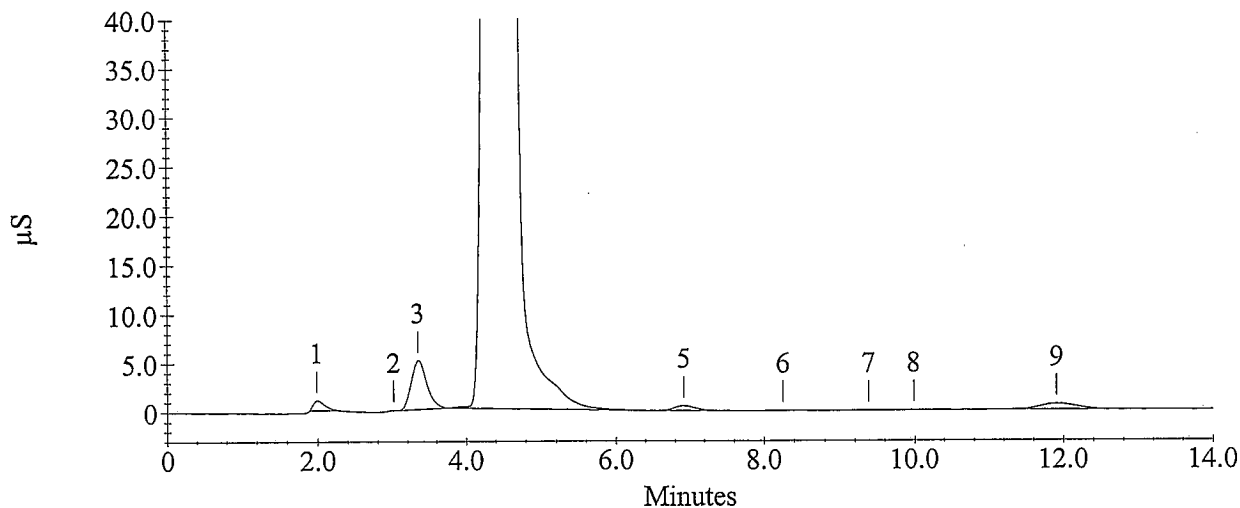
Datafile Updated : 1/9/09 11:59:58 AM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
1	Chloride	1.99	0.0		107618
	Nitrite as N				
5	Bromide	6.92	2056.8		104162
6	Nitrate as N	8.25	81.5	-	3287
8	Orthophosphate as P	9.99	-31.8	-	1976
9	Sulfate	11.91	2578.3		219405
	Nitrate/Nitrite as N				

0901040-5 10X



Sample Analysis Report

Sample Name : 0901040-1 20X

Data File Name : c:\peaknet\data\090109\090109_014.DXD

Method File Name : c:\peaknet\method\081229.met

Date, Time Analyzed : 1/9/09 12:00:00 PM

System Operator : WETCHEM

Calibration Updated : 12/30/08 9:41:02 AM

Current Date : 1/9/09

Current Time : 12:14:02 PM

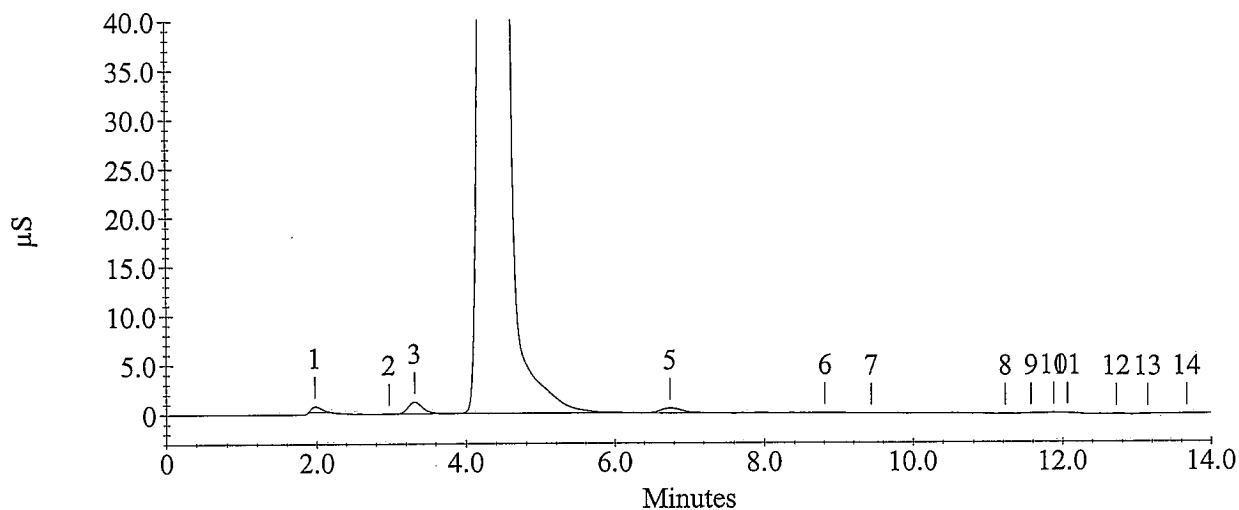
Datafile Updated : 1/9/09 12:14:02 PM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
2	Fluoride	2.97	78.0	-	1106
4	Chloride	4.51	-880350.5	-	55416743
	Nitrite as N				
5	Bromide	6.75	1933.0		97764
6	Nitrate as N	8.81	78.0	-	2184
	Orthophosphate as P				
11	Sulfate	12.07	232.9	-	7400
	Nitrate/Nitrite as N				

0901040-1 20X



Sample Analysis Report

Sample Name : 0901040-2 20X

Data File Name : c:\peaknet\data\090109\090109_015.DXD

Method File Name : c:\peaknet\method\081229.met

Date, Time Analyzed : 1/9/09 12:14:04 PM

System Operator : WETCHEM

Calibration Updated : 12/30/08 9:41:02 AM

Current Date : 1/9/09

Current Time : 12:28:06 PM

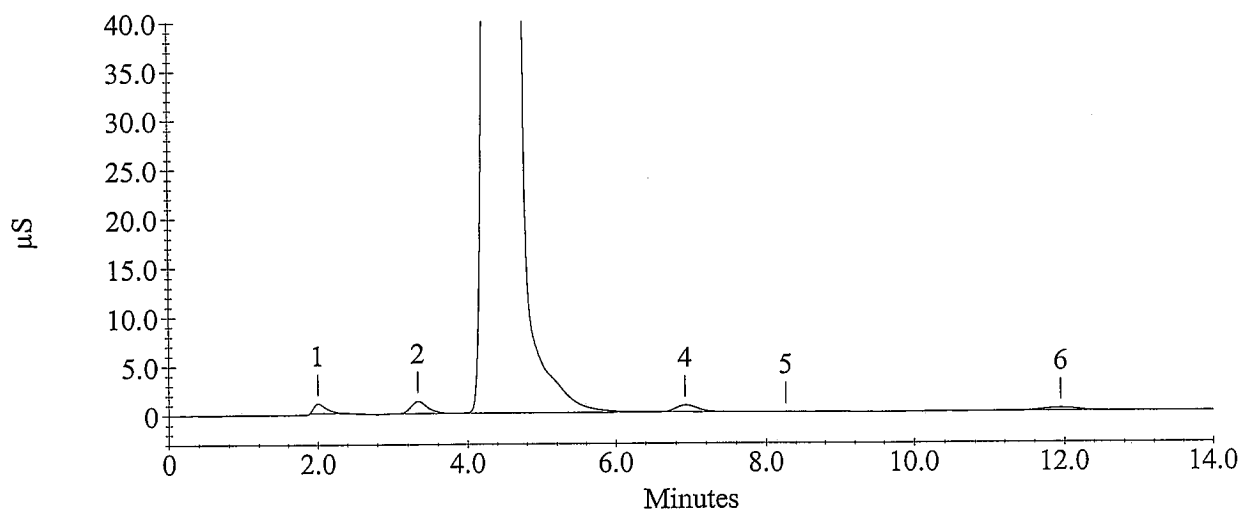
Datafile Updated : 1/9/09 12:28:06 PM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
1	Chloride	2.00	0.0		112252
	Nitrite as N				
4	Bromide	6.92	2723.0		138687
5	Nitrate as N	8.27	74.4	-	1070
	Orthophosphate as P				
6	Sulfate	11.95	1288.9		102659
	Nitrate/Nitrite as N				

0901040-2 20X



Sample Analysis Report

Sample Name : CCV

Data File Name : c:\peaknet\data\090109\090109_021.DXD

Method File Name : c:\peaknet\method\081229.met

Date, Time Analyzed : 1/9/09 1:38:27 PM

System Operator : WETCHEM

Calibration Updated : 12/30/08 9:41:02 AM

Current Date : 1/9/09

Current Time : 1:52:29 PM

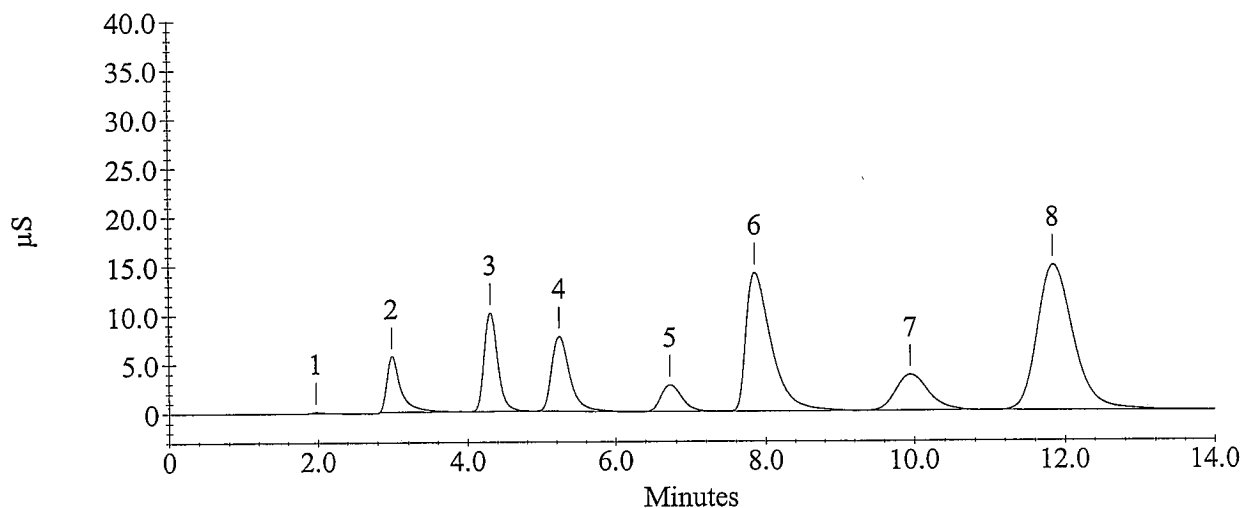
Datafile Updated : 1/9/09 1:52:29 PM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
2	Fluoride	2.99	4837.8		723365
3	Chloride	4.31	9904.1		1267147
4	Nitrite as N	5.24	4910.4		1291400
5	Bromide	6.72	9680.2		510040
6	Nitrate as N	7.85	9932.9		3317889
7	Orthophosphate as P	9.95	9479.0		1102629
8	Sulfate	11.84	50313.7		4952024
	Nitrate/Nitrite as N				

CCV



Sample Analysis Report

Sample Name : CCB

Data File Name : c:\peaknet\data\090109\090109_022.DXD

Method File Name : c:\peaknet\method\081229.met

Date, Time Analyzed : 1/9/09 1:52:32 PM

System Operator : WETCHEM

Calibration Updated : 12/30/08 9:41:02 AM

Current Date : 1/9/09

Current Time : 2:06:33 PM

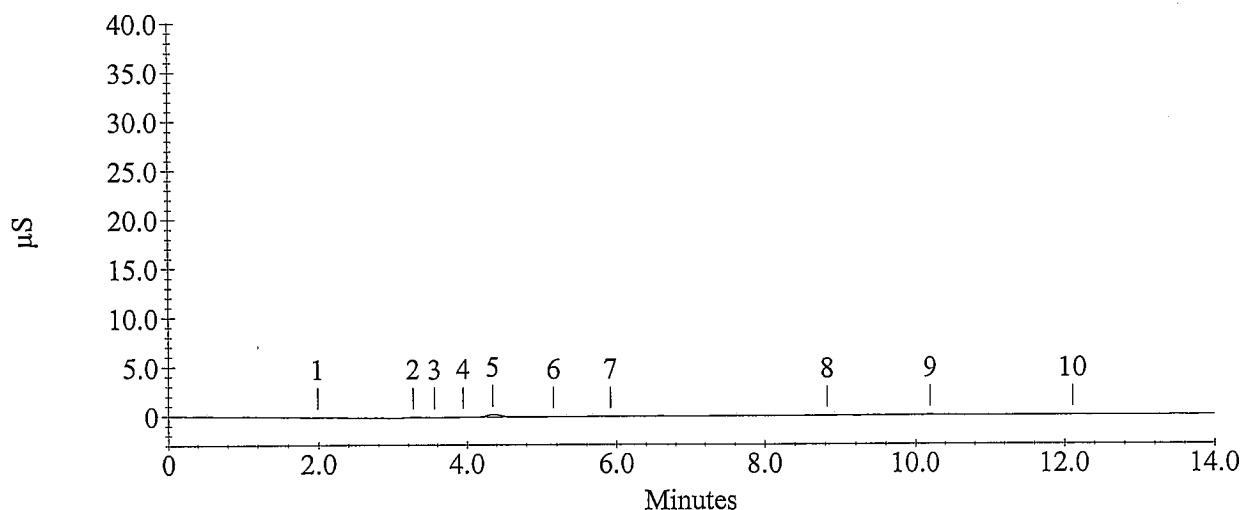
Datafile Updated : 1/9/09 2:06:33 PM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
1		1.99	0.0		1422
5	Chloride	4.35	292.4		36638
6	Nitrite as N	5.16	39.6	-	1121
	Bromide				
8	Nitrate as N	8.83	90.1	-	5950
9	Orthophosphate as P	10.20	139.1	-	21009
10	Sulfate	12.11	195.2	-	4009
	Nitrate/Nitrite as N				

CCB



Sample Analysis Report

Sample Name : 0901040-1 500X

Data File Name : c:\peaknet\data\090109\090109_032.DXD

Method File Name : c:\peaknet\method\081229.met

Date, Time Analyzed : 1/9/09 4:13:06 PM

System Operator : WETCHEM

Calibration Updated : 12/30/08 9:41:02 AM

Current Date : 1/9/09

Current Time : 4:27:09 PM

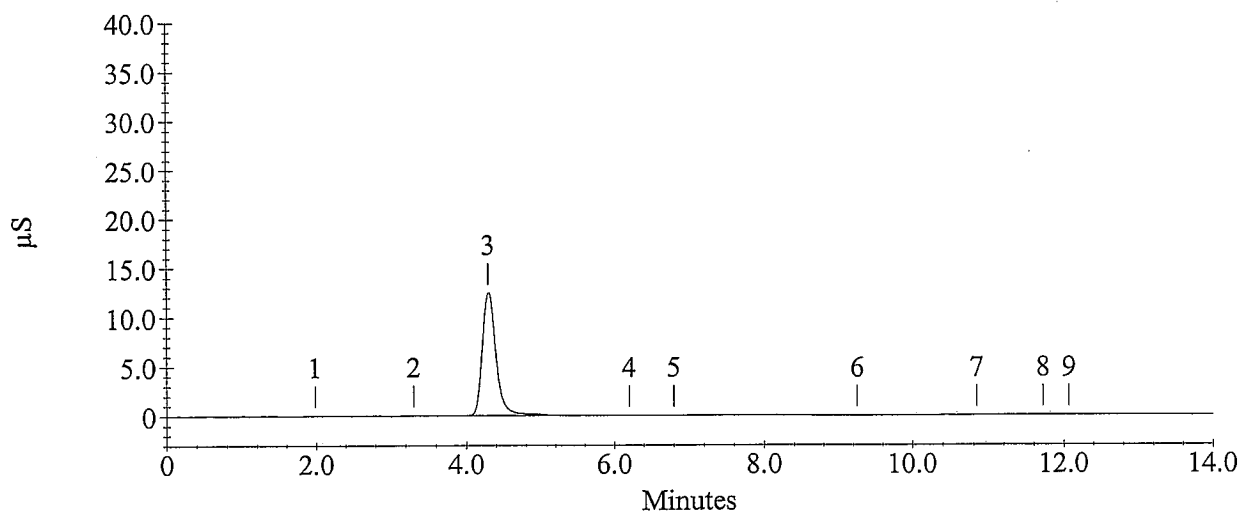
Datafile Updated : 1/9/09 4:27:08 PM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
1		1.99	0.0		1097
3	Chloride	4.29	12328.7		1607524
	Nitrite as N				
5	Bromide	6.80	75.9	-	2490
	Nitrate as N				
	Orthophosphate as P				
9	Sulfate	12.07	179.6	-	2604
	Nitrate/Nitrite as N				

0901040-1 500X



Sample Analysis Report

Sample Name : CCV

Data File Name : c:\peaknet\data\090109\090109_033.DXD

Method File Name : c:\peaknet\method\081229.met

Date, Time Analyzed : 1/9/09 4:27:11 PM

System Operator : WETCHEM

Calibration Updated : 12/30/08 9:41:02 AM

Current Date : 1/9/09

Current Time : 4:41:12 PM

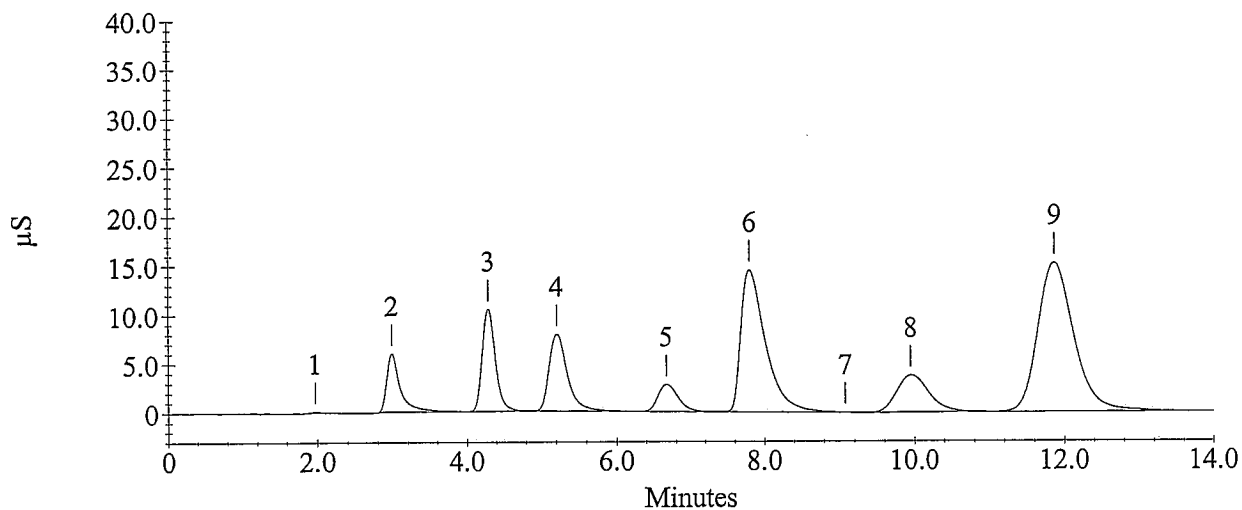
Datafile Updated : 1/9/09 4:41:12 PM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
2	Fluoride	2.99	4968.5		744463
3	Chloride	4.29	10060.3		1288647
4	Nitrite as N	5.21	4971.0		1308293
5	Bromide	6.67	9898.3		522019
6	Nitrate as N	7.80	10010.9		3346432
8	Orthophosphate as P	9.95	9703.0		1129655
9	Sulfate	11.87	51656.1		5099176
	Nitrate/Nitrite as N				

CCV



Sample Analysis Report

Sample Name : CCB

Data File Name : c:\peaknet\data\090109\090109_034.DXD

Method File Name : c:\peaknet\method\081229.met

Date, Time Analyzed : 1/9/09 4:41:14 PM

System Operator : WETCHEM

Calibration Updated : 12/30/08 9:41:02 AM

Current Date : 1/9/09

Current Time : 4:55:16 PM

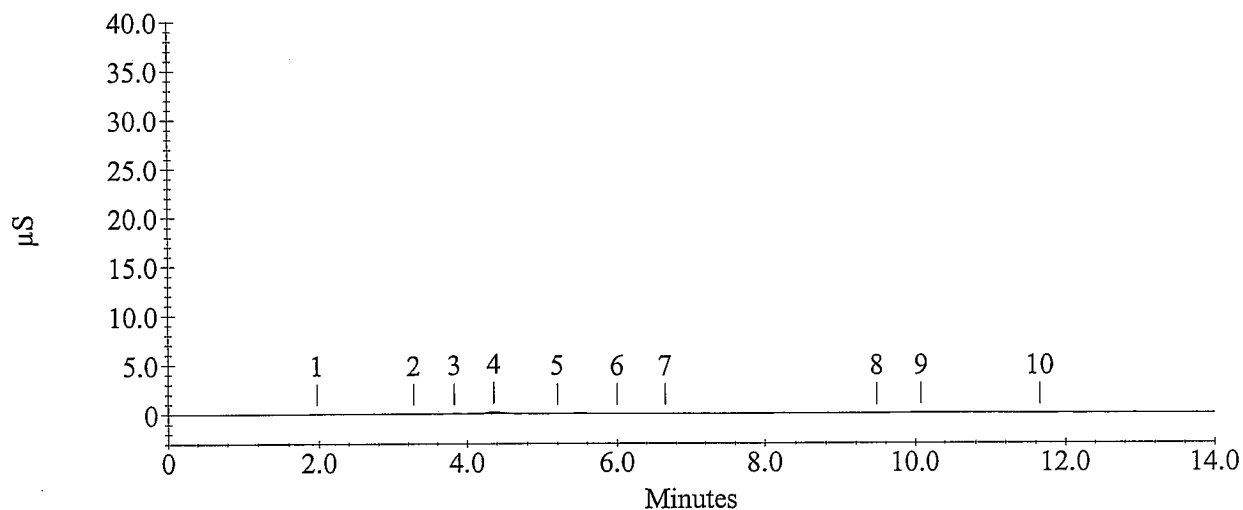
Datafile Updated : 1/9/09 4:55:15 PM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
1		1.97	0.0		1504
4	Chloride	4.36	207.6		26493
5	Nitrite as N	5.20	40.3	-	1297
	Bromide				
	Nitrate as N				
9	Orthophosphate as P	10.08	61.9	-	12402
10	Sulfate	11.65	163.7	-	1170
	Nitrate/Nitrite as N				

CCB



Sample Analysis Report

Sample Name : 0901040-2 500X

Data File Name : c:\peaknet\data\090109\090109_035.DXD

Method File Name : c:\peaknet\method\081229.met

Date, Time Analyzed : 1/9/09 4:55:18 PM

System Operator : WETCHEM

Calibration Updated : 12/30/08 9:41:02 AM

Current Date : 1/9/09

Current Time : 5:09:19 PM

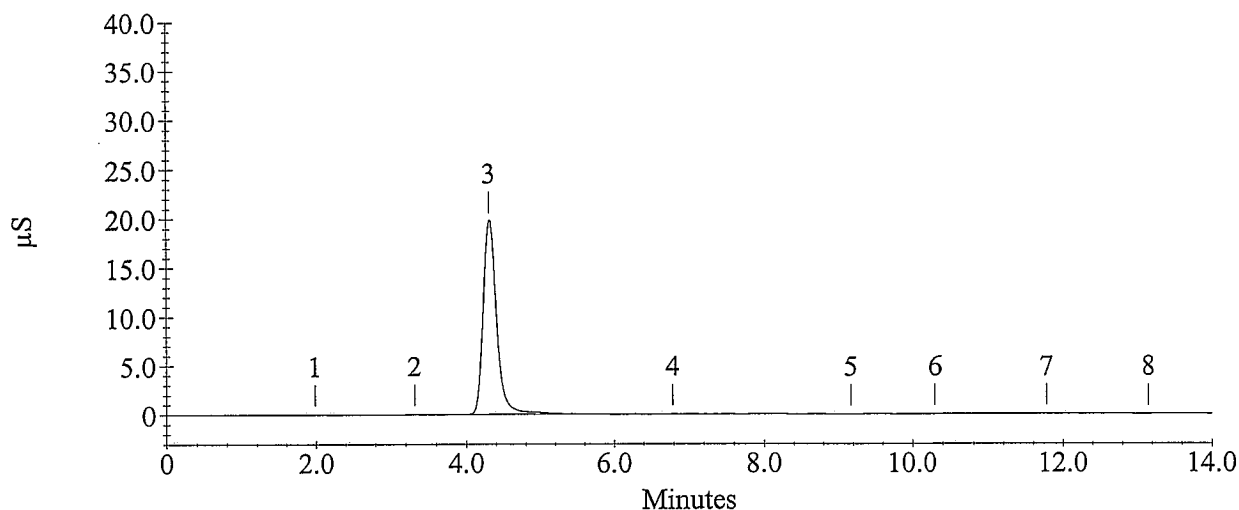
Datafile Updated : 1/9/09 5:09:19 PM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
1		1.99	0.0		2638
3	Chloride	4.31	18279.3		2512135
4	Nitrite as N				
4	Bromide	6.79	148.4	-	6184
	Nitrate as N				
6	Orthophosphate as P	10.31	24.4	-	8231
7	Sulfate	11.77	160.4	-	880
	Nitrate/Nitrite as N				

0901040-2 500X



Sample Analysis Report

Sample Name : 0901040-3 500X

Data File Name : c:\peaknet\data\090109\090109_036.DXD

Method File Name : c:\peaknet\method\081229.met

Date, Time Analyzed : 1/9/09 5:09:21 PM

System Operator : WETCHEM

Calibration Updated : 12/30/08 9:41:02 AM

Current Date : 1/9/09

Current Time : 5:23:23 PM

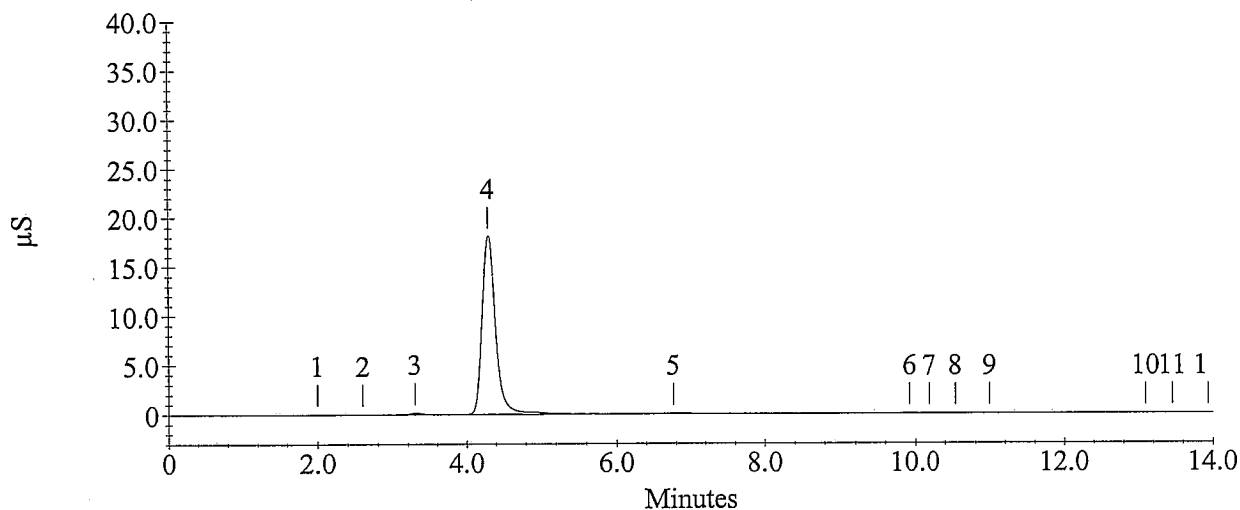
Datafile Updated : 1/9/09 5:23:22 PM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
1		2.00	0.0		2530
4	Chloride	4.29	16963.1		2302335
	Nitrite as N				
5	Bromide	6.76	60.6	-	1708
	Nitrate as N				
7	Orthophosphate as P	10.19	-42.2	-	817
	Sulfate				
	Nitrate/Nitrite as N				

0901040-3 500X



Sample Analysis Report

Sample Name : 0901040-4 500X

Data File Name : c:\peaknet\data\090109\090109_037.DXD

Method File Name : c:\peaknet\method\081229.met

Date, Time Analyzed : 1/9/09 5:23:25 PM

System Operator : WETCHEM

Calibration Updated : 12/30/08 9:41:02 AM

Current Date : 1/9/09

Current Time : 5:37:26 PM

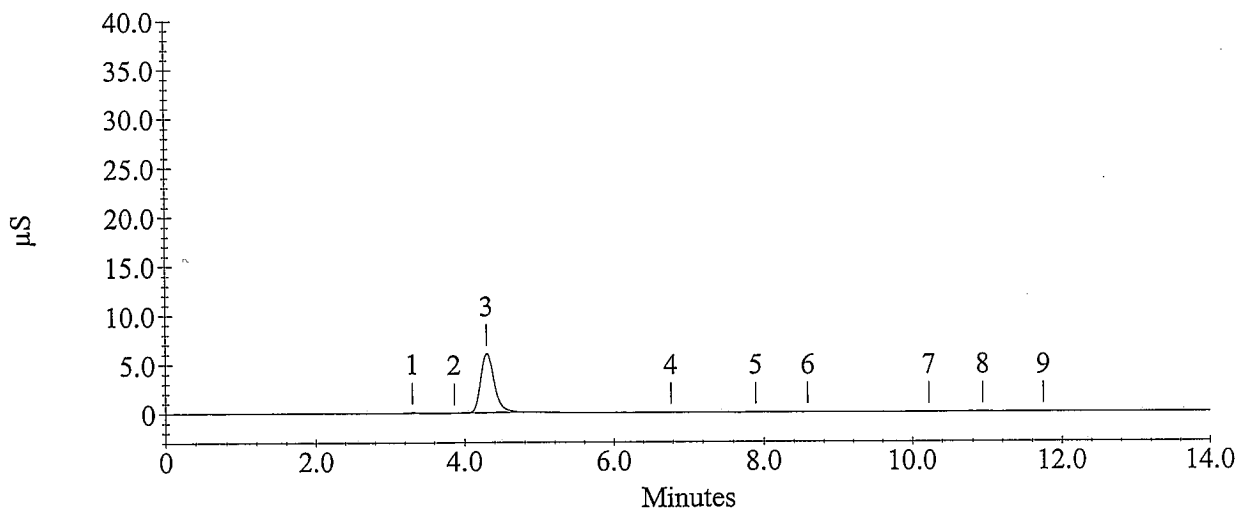
Datafile Updated : 1/9/09 5:37:26 PM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
1		3.31	0.0		13366
3	Chloride	4.29	6012.9		748284
	Nitrite as N				
4	Bromide	6.77	86.8	-	3047
5	Nitrate as N	7.89	74.6	-	1138
7	Orthophosphate as P	10.23	-21.0	-	3177
9	Sulfate	11.75	170.9	-	1822
	Nitrate/Nitrite as N				

0901040-4 500X



Sample Analysis Report

Sample Name : 0901040-5 500X

Data File Name : c:\peaknet\data\090109\090109_038.DXD

Method File Name : c:\peaknet\method\081229.met

Date, Time Analyzed : 1/9/09 5:37:28 PM

System Operator : WETCHEM

Calibration Updated : 12/30/08 9:41:02 AM

Current Date : 1/9/09

Current Time : 5:51:30 PM

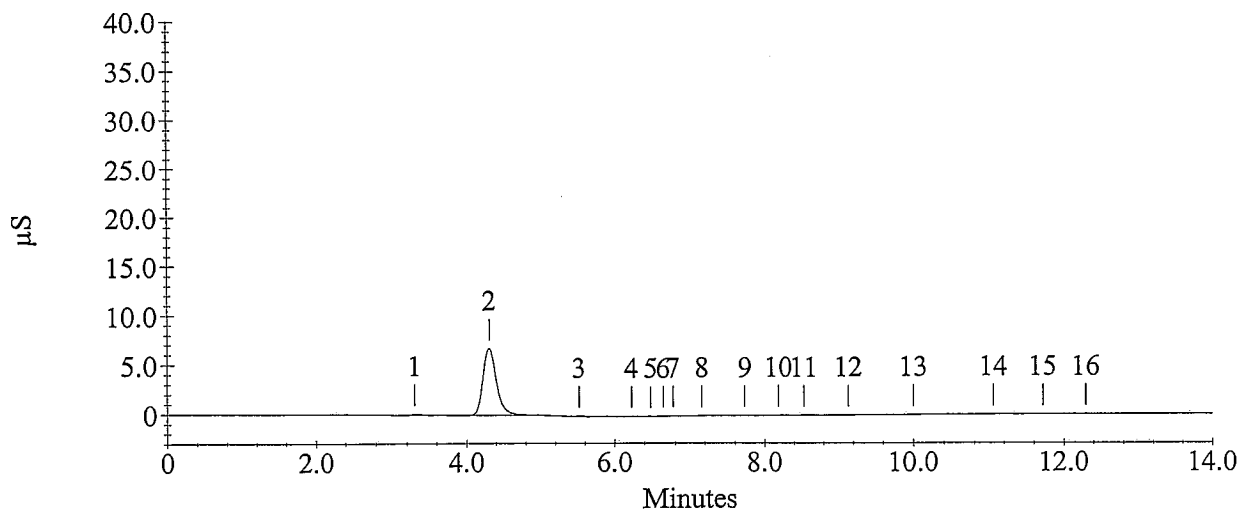
Datafile Updated : 1/9/09 5:51:29 PM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
1		3.31	0.0		12328
2	Chloride	4.31	6881.7		861448
3	Nitrite as N	5.52	47.0	-	3011
7	Bromide	6.77	49.1	-	1123
10	Nitrate as N	8.19	84.6	-	4251
13	Orthophosphate as P	10.00	-28.7	-	2319
16	Sulfate	12.29	184.4	-	3034
	Nitrate/Nitrite as N				

0901040-5 500X



Sample Analysis Report

Sample Name : IC090109-1MB

Data File Name : c:\peaknet\data\090109\090109_039.DXD

Method File Name : c:\peaknet\method\081229.met

Date, Time Analyzed : 1/9/09 5:51:32 PM

System Operator : WETCHEM

Calibration Updated : 12/30/08 9:41:02 AM

Current Date : 1/9/09

Current Time : 6:05:33 PM

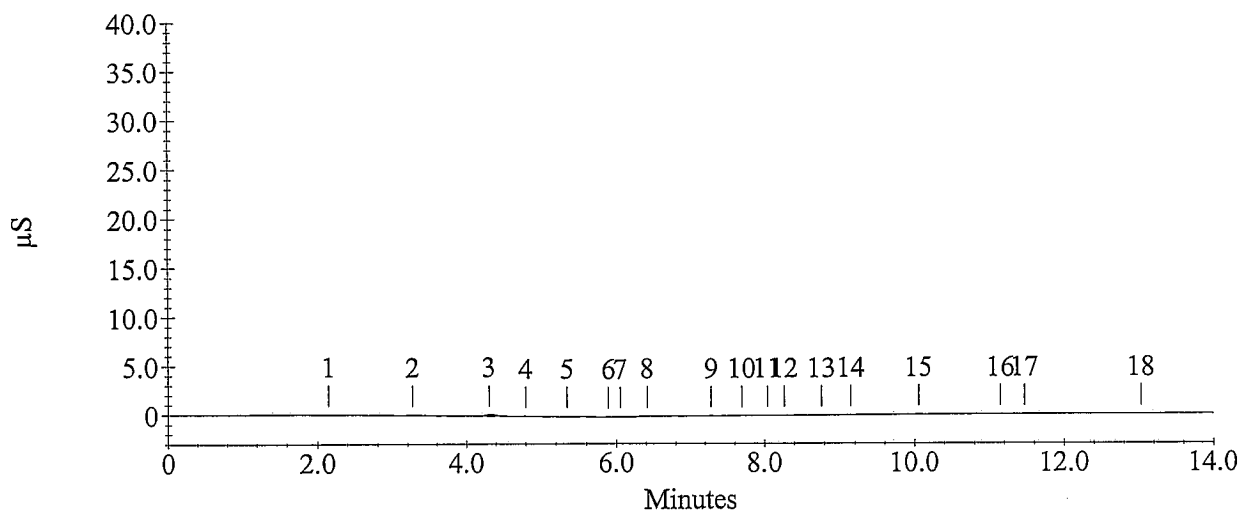
Datafile Updated : 1/9/09 6:05:33 PM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
1		2.15	0.0		1267
3	Chloride	4.31	174.7	-	22556
5	Nitrite as N	5.35	49.1	-	3540
8	Bromide	6.41	92.4	-	3333
11	Nitrate as N	8.04	75.6	-	1450
15	Orthophosphate as P	10.05	-22.9	-	2969
	Sulfate				
	Nitrate/Nitrite as N				

IC090109-1MB



Sample Analysis Report

Sample Name : IC090109-1LCS

Data File Name : c:\peaknet\data\090109\090109_040.DXD

Method File Name : c:\peaknet\method\081229.met

Date, Time Analyzed : 1/9/09 6:05:35 PM

System Operator : WETCHEM

Calibration Updated : 12/30/08 9:41:02 AM

Current Date : 1/9/09

Current Time : 6:19:36 PM

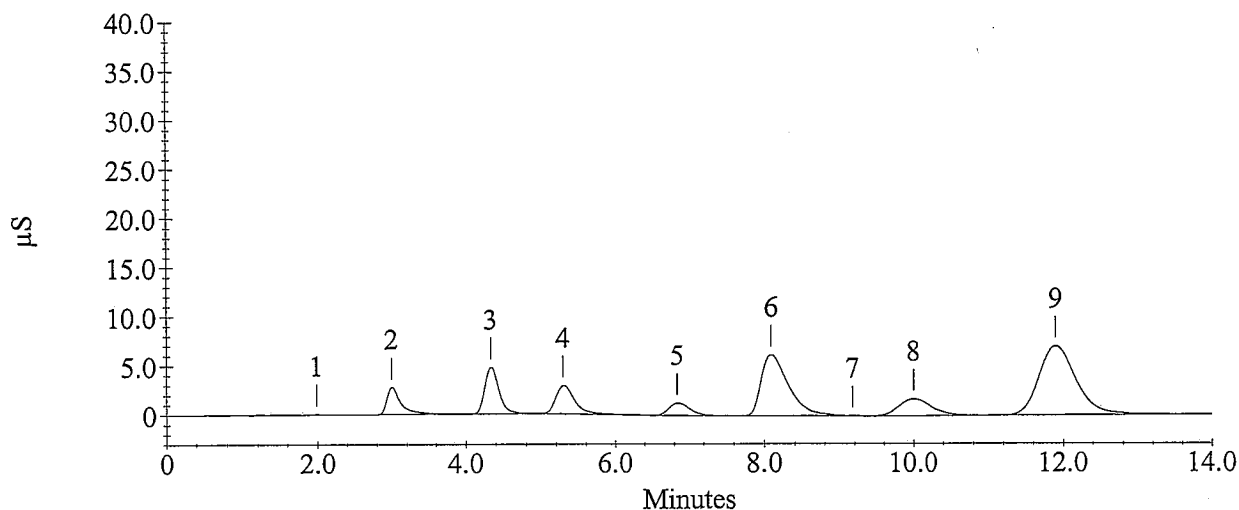
Datafile Updated : 1/9/09 6:19:36 PM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
2	Fluoride	3.00	2517.5		360720
3	Chloride	4.33	4945.3		611187
4	Nitrite as N	5.29	2028.3		512969
5	Bromide	6.84	4813.3		248151
6	Nitrate as N	8.09	4835.7		1537141
8	Orthophosphate as P	10.00	4673.7		535593
9	Sulfate	11.89	25901.6		2422595
	Nitrate/Nitrite as N				

IC090109-1LCS



Sample Analysis Report

Sample Name : CCV

Data File Name : c:\peaknet\data\090109\090109_042.DXD

Method File Name : c:\peaknet\method\081229.met

Date, Time Analyzed : 1/9/09 6:33:42 PM

System Operator : WETCHEM

Calibration Updated : 12/30/08 9:41:02 AM

Current Date : 1/9/09

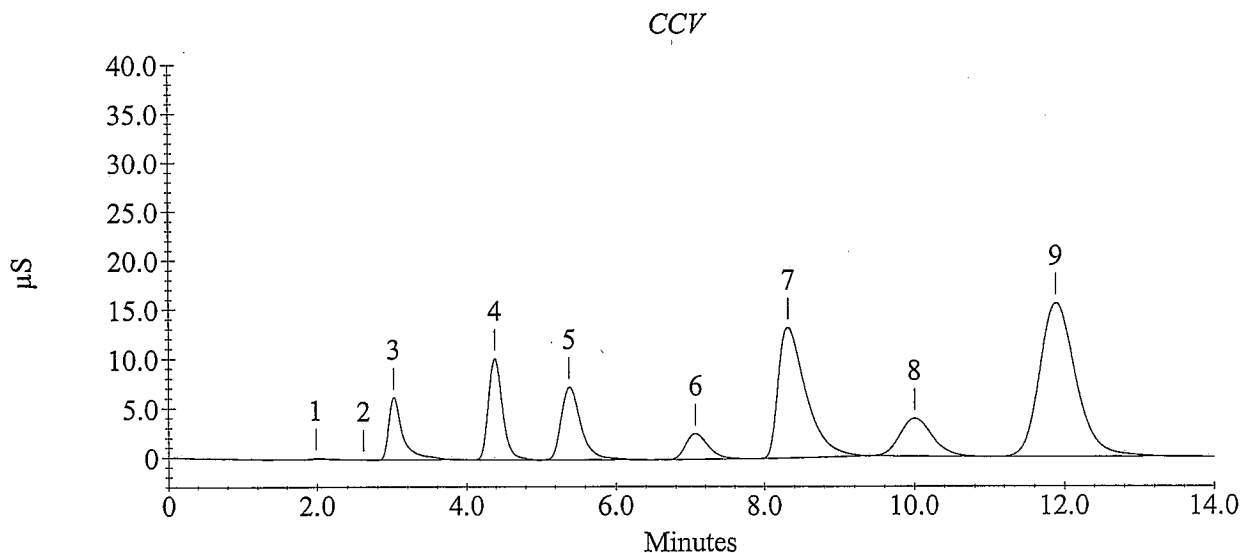
Current Time : 6:47:43 PM

Datafile Updated : 1/9/09 6:47:43 PM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
3	Fluoride	3.01	5557.4		840512
4	Chloride	4.39	10636.2		1368425
5	Nitrite as N	5.39	5046.9		1329464
6	Bromide	7.07	10491.9		554735
7	Nitrate as N	8.32	10221.9		3423873
8	Orthophosphate as P	10.00	9983.4		1163565
9	Sulfate	11.88	53188.6		5268323
	Nitrate/Nitrite as N				



Sample Analysis Report

Sample Name : CCB

Data File Name : c:\peaknet\data\090109\090109_043.DXD

Method File Name : c:\peaknet\method\081229.met

Date, Time Analyzed : 1/9/09 6:47:45 PM

System Operator : WETCHEM

Calibration Updated : 12/30/08 9:41:02 AM

Current Date : 1/9/09

Current Time : 7:01:47 PM

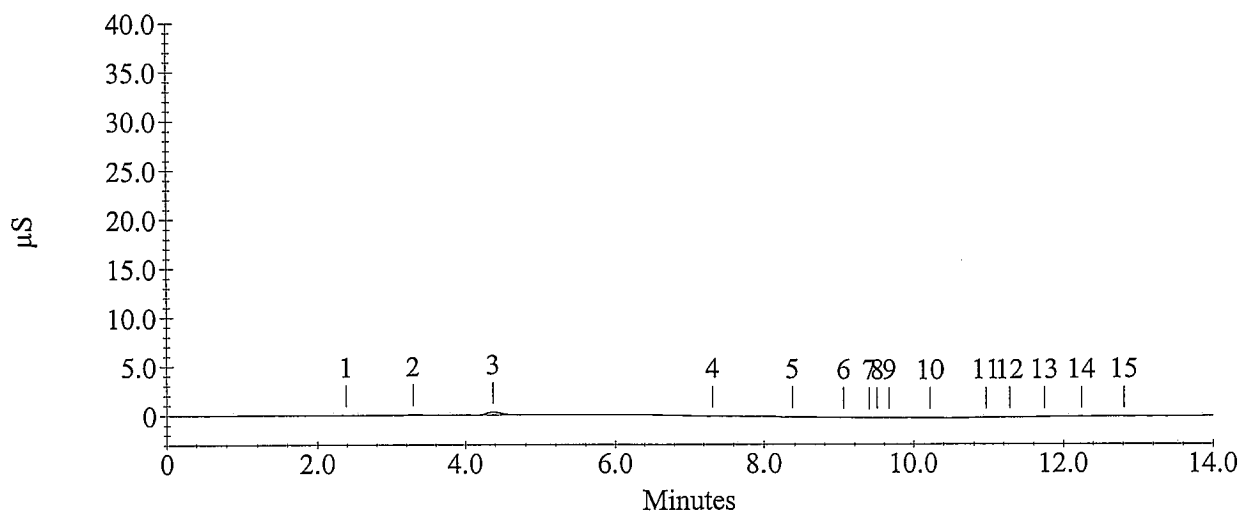
Datafile Updated : 1/9/09 7:01:47 PM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
1		2.39	0.0		421
3	Chloride	4.37	357.5		44449
	Nitrite as N				
	Bromide				
5	Nitrate as N	8.37	89.4	-	5736
10	Orthophosphate as P	10.23	5.6	-	6135
14	Sulfate	12.24	166.3	-	1410
	Nitrate/Nitrite as N				

CCB





ALS Paragon



Metals Case Narrative

URS

Williams-Rio Blanca -- 22240417.00001

Work Order Number: 0901040

1. This report consists of 5 water samples.
2. The samples were received cool and intact by ALS Paragon on 01/09/09.
3. The samples did not have a pH less than 2 upon receipt. Samples 0901040-1 thru -4 were preserved with nitric acid to a pH less than two upon receipt. Sample 0901040-5 was also preserved with nitric acid upon receipt but did not go below a pH of 3.
4. The samples were prepared for analysis based on SW-846, 3rd Edition procedures.

Prior to analysis by Trace ICP, an ionization buffer was added to the samples and associated QC to improve the sodium and potassium quantitation.

For analysis by Trace ICP and ICP-MS, the samples were digested following method 3005A and SOP 806 Rev. 13.

The samples were prepared for ICP-MS analysis of arsenic and selenium by passing the digested samples and associated QC through a cation exchange column. The cation exchange column removes cations from the matrix and eliminates the CaCl⁺ (mass 75) interferences on arsenic.

For analysis by Cold Vapor AA (CVAA), the samples were digested following method 7470A and SOP 812 Rev. 14.

5. The samples were analyzed following SW-846, 3rd Edition procedures.

Analysis by Trace ICP followed method 6010B and SOP 834 Rev. 7.

The relationship between intensity and concentration for each element is established using at least four standards, one of which is a blank solution.



During sample analysis concentrations are computed by the software and the results are printed in mg/L. The instrument software does not provide a printout which gives both intensity and concentration. The validity of the calibration equation is tested by analyzing the following solutions: a blank, a low level check solution with concentrations near the reporting limit, an Initial Calibration Verification (ICV) standard from a 2nd source standard solution with concentrations near the middle of the analytical range, a Continuing Calibration Verification (CCV) standard with concentrations at two times those in the ICV, and a readback of the highest calibration standard.

These solutions provide verification that the calibration equations are functioning properly throughout the analytical range of the instrument. During sample analysis dilutions are made for analytes found at concentrations above the highest calibration standard. No results are taken from extrapolations beyond the highest standard.

Analysis by ICP-MS followed method 6020A and SOP 827 Rev. 6.

The relationship between intensity and concentration for each element is established using at least four standards, one of which is a blank solution. A calibration equation relating instrument response to concentration is developed by the instrument software. The equation is a higher order polynomial. This type of equation is used to improve quantitation accuracy at lower concentrations where the relationship between concentration and instrument response is non-linear.

During sample analysis concentrations are computed by the software and the results are printed in ug/L. The validity of the calibration equation is tested by analyzing the following solutions: a blank, a low level check solution with concentrations near the reporting limit, an Initial Calibration Verification (ICV) standard from a 2nd source standard solution with concentrations near the middle of the analytical range, a Continuing Calibration Verification (CCV) standard with concentrations near the middle of the analytical range but different than those in the ICV, and a readback of the highest calibration standard.

These solutions provide verification that the calibration equations are functioning properly throughout the analytical range of the instrument. During sample analysis dilutions are made for analytes found at concentrations above the highest calibration standard. No results are taken from extrapolations beyond the highest standard.

Analysis by CVAA followed method 7470A and SOP 812 Rev. 14.

The relationship between intensity and concentration is determined daily, prior to sample analysis. At least five standards and a blank solution are analyzed to establish the calibration curve. The instrument software performs a linear regression to fit the calibration data to a curve of the form:

$$\text{conc.} = B * I + C$$

where:

conc.	=	concentration
B	=	slope coefficient
I	=	intensity
C	=	intercept coefficient



A printout summarizing the calibration data supplies the calibration curve and correlation coefficient. During sample analysis both intensity and concentration values are printed. Dilutions are made for concentrations above the highest calibration standard. No results are taken from extrapolations above the highest standard.

6. All standards and solutions are NIST traceable and were used within their recommended shelf life.
7. The sample was prepared and analyzed within the established hold times.

All in house quality control procedures were followed, as described below.

8. General quality control procedures.
 - n A preparation (method) blank and laboratory control sample were digested and analyzed with the samples in each digestion batch. There were not more than 20 samples in each digestion batch.
 - n The preparation (method) blank associated with each digestion batch was below the practical quantitation limit for each requested analyte.
 - n The laboratory control sample associated with each digestion batch was within the acceptance limits. This indicates complete digestion according to the method.
 - n All initial and continuing calibration blanks associated with each analytical batch were below the practical quantitation limits for the requested analytes.
 - n All initial and continuing calibration verifications associated with each analytical batch were within the acceptance criteria for the requested analytes. This indicates a valid calibration and stable instrument conditions.
 - n The high standard readbacks associated with Method 6010B and 6020A analyses were within acceptance criteria.
 - n The interference check samples associated with Method 6010B were within acceptance criteria.
 - n The interference check samples associated with Method 6020A were analyzed.
9. Matrix specific quality control procedures.

Sample 0901040-2 was designated as the quality control sample for the Trace ICP and ICP-MS analyses. Per method requirements, matrix QC was performed for the mercury analysis. Since a sample from this order number was not the selected quality control (QC) sample, matrix specific QC results are not included in this report.

Similarity of matrix and therefore relevance of the QC results should not be automatically inferred for any sample other than the native sample selected for QC.

- n A matrix spike and matrix spike duplicate were digested and analyzed with each ICP batch. All acceptance criteria for accuracy were met.



- n Matrix spike recoveries could not be evaluated for the following analytes:

<u>Analyte</u>	<u>Sample ID</u>
Barium	0901040-2
Boron	0901040-2
Calcium	0901040-2
Iron	0901040-2
Manganese	0901040-2
Lithium	0901040-2
Potassium	0901040-2
Sodium	0901040-2
Strontium	0901040-2

The concentrations of these analytes in the native sample were greater than four times the concentration of matrix spike added during the digestion. When sample concentration is that much greater than the spike added, spike recoveries may not be accurate. The laboratory control sample indicates that the digestion and analysis were in control.

- n A sample duplicate and matrix spike duplicate were digested and analyzed with each ICP batch. All acceptance criteria for precision were met.
- n A serial dilution was analyzed with each ICP batch. All acceptance criteria were met with the following exceptions:

<u>Analyte</u>	<u>Sample ID</u>
Potassium	0901040-2L
Sodium	0901040-2L

The native sample results are flagged for serial dilution failure.

10. The samples were analyzed at dilutions in order to protect the Trace ICP from the high metals content. Samples 0901040-1 and -5 required further dilutions to bring sodium into the analytical range of the Trace ICP.

It is a standard ALS Paragon practice that samples for ICP-MS are analyzed at a dilution. Sample 0901040-2 required a further dilution to bring manganese into the analytical range of the ICP-MS.

Sample 0901040-5 required a dilution to bring mercury into the analytical range of the instrument.



The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS Paragon certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Megan Johnson
Megan Johnson
Inorganics Primary Data Reviewer

1/21/09
Date

[Signature]
Inorganics Final Data Reviewer

1/22/09
Date



Inorganic Data Reporting Qualifiers

The following qualifiers are used by the laboratory when reporting results of inorganic analyses.

- Result qualifier -- A “B” is entered if the reported value was obtained from a reading that was less than the Practical Quantitation Limit but greater than or equal to the Method Detection Limit (MDL). If the analyte was analyzed for but not detected a “U” is entered.
- QC qualifier -- Specified entries and their meanings are as follows:
 - E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.
 - M - Duplicate injection precision was not met.
 - N - Spiked sample recovery not within control limits. A post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.
 - Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.
 - * - Duplicate analysis (relative percent difference) not within control limits.
 - S - SAR value is estimated as one or more analytes used in the calculation were not detected above the detection limit.

ALS Paragon

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0901040

Client Name: URS

Client Project Name: Williams-Rio Blanca

Client Project Number: 22240417.00001

Client PO Number: Williams 2008

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
FE-RG-24-13-398-PW-GPTF	0901040-1		WATER	07-Jan-09	9:00
FE-RG-13-1-398-PW-GPTF	0901040-2		WATER	07-Jan-09	10:13
FE-RG-12-4-398-PW-GPTF	0901040-3		WATER	07-Jan-09	11:15
FE-RG-31-8-398-PW-GPTF	0901040-4		WATER	07-Jan-09	11:35
FE-RG-24-20-398-PW-GPTF	0901040-5		WATER	07-Jan-09	13:00

Chain of Custody

[illegible]

CONDITION OF SAMPLE UPON RECEIPT FORM

Paragon Analytics

Client: URS
Project Manager: DFWorkorder No: 0701040
Initials: CDT Date: 1-9-09

1. Does this project require any special handling in addition to standard Paragon procedures?		YES	<u>NO</u>
2. Are custody seals on shipping containers intact?	<u>NONE</u>	YES	NO
3. Are Custody seals on sample containers intact?	<u>NONE</u>	YES	NO
4. Is there a COC (Chain-of-Custody) present or other representative documents?		<u>YES</u>	NO
5. Are the COC and bottle labels complete and legible ?		<u>YES</u>	<u>NO</u>
6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)		<u>YES</u>	NO
7. Were airbills / shipping documents present and/or removable?	DROP OFF	<u>YES</u>	NO
8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles)	N/A	YES	<u>NO</u>
9. Are all aqueous non-preserved samples pH 4-9?	N/A	<u>YES</u>	NO
10. Is there sufficient sample for the requested analyses?		<u>YES</u>	NO
11. Were all samples placed in the proper containers for the requested analyses?		<u>YES</u>	NO
12. Are all samples within holding times for the requested analyses?		<u>YES</u>	NO
13. Were all sample containers received intact? (not broken or leaking, etc.)		<u>YES</u>	NO
14. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: <u> </u> < green pea <u> </u> > green pea	<u>N/A</u>	YES	NO
15. Do perchlorate LCMS-MS samples have headspace? (at least 1/3 of container required)	<u>N/A</u>	YES	NO
16. Were samples checked for and free from the presence of residual chlorine? (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	<u>N/A</u>	YES	NO
17. Were the samples shipped on ice?		<u>YES</u>	NO
18. Were cooler temperatures measured at 0.1-6.0°C?	IR gun used*: <u>#2</u> <u>#4</u>	<u>YES</u>	NO
Cooler #: <u>1</u>			
Temperature (°C): <u>3.0</u>			
No. of custody seals on cooler: <u>0</u>			
External µR/hr reading: <u>13</u>			
Background µR/hr reading: <u>11</u>			
Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? <u>YES</u> NO / NA (If no. see Form 008.)			

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND #16.

Times: Sample 1 - 900 A | Original pH all samples - 5. 2ml concentrated
 2 - 1013 A | HNO₃ added @ 1145 on 1-9-09. Samples 1-4 final
 3 - 1115 A | pH < 2 Sample 5 final pH 3 HNO₃ lot no.
 4 - 1135 A | G04026.
 5 - 100 P

If applicable, was the client contacted? YES / NO / NAContact: Shari O'ConnorDate/Time: 1/9/09Project Manager Signature / Date: Dubie Fazio 1/9/09Logio email

*IR Gun #2: Oakton, SN 29922500201-0066

*IR Gun #4: Oakton, SN 2372220101-0002

CONDITION OF SAMPLE UPON RECEIPT FORM

Paragon Analytics

Client: URS Corp Workorder No: 0901040
Project Manager: DJF Initials: df Date: 1/9/09

Additional Information:

Some samples were received with insufficient time remaining to meet NO₂, NO₃ and Ophos holding times. Specifics will be narrated.

Was the laboratory directed to proceed with the analysis of any samples yielding the presence of residual chlorine? **YES / NO / NA**

NOTE:

No pH adjustments shall be made without prior consent of Project Manager. After pH adjustments, hold metals and radchem samples ≥ 24 hrs. before analysis.

Was the pH of any sample adjusted by the laboratory? **YES (See Table below) / NO**

pH Excursion:

Paragon Sample ID	Client Sample ID	Initial pH	Final pH	Reagent Used	Volume Added (mL)	Lot No. of Reagent	Requested Analysis	Initials / Date / Time

If applicable, was the client contacted? **YES** / NO / NA Contact: Sheri O'Connor

Date/Time: 1/9/09

Project Manager Signature / Date: Debbie Fazio 1/9/09

login email

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Sample Results

Total Recoverable ICP Metals

Method SW6010B

Sample Results

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-24-13-398-PW-GPT
Lab ID: 0901040-1

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 07-Jan-09

Date Extracted: 12-Jan-09

Date Analyzed: 13-Jan-09

Prep Method: SW3005 Rev A

Prep Batch: IP090112-2

QC Batch ID: IP090112-2-1

Run ID: IT090113-2A3

Cleanup: NONE

Basis: As Received

File Name: 090113A.

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7440-39-3	BARIUM	10	23000	1000	1.4		
7440-42-8	BORON	10	13000	1000	26		
7440-70-2	CALCIUM	10	60000	10000	140		
7440-47-3	CHROMIUM	10	22	100	7.3	B	
7439-89-6	IRON	10	8400	1000	36		
7439-93-2	LITHIUM	10	5600	100	1.5		
7439-95-4	MAGNESIUM	10	5900	10000	52	B	
7440-09-7	POTASSIUM	10	200000	10000	300		
7440-23-5	SODIUM	100	3700000	100000	600		
7440-24-6	STRONTIUM	10	12000	100	0.6		

Data Package ID: it0901040-1

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

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Total Recoverable ICP Metals

Method SW6010B

Sample Results

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-13-1-398-PW-GPTF
Lab ID: 0901040-2

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 07-Jan-09

Date Extracted: 12-Jan-09

Date Analyzed: 13-Jan-09

Prep Method: SW3005 Rev A

Prep Batch: IP090112-2

QC Batch ID: IP090112-2-1

Run ID: IT090113-2A3

Cleanup: NONE

Basis: As Received

File Name: 090113A.

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7440-39-3	BARIUM	10	18000	1000	1.4		
7440-42-8	BORON	10	12000	1000	26		
7440-70-2	CALCIUM	10	170000	10000	140		
7440-47-3	CHROMIUM	10	100	100	7.3	U	
7439-89-6	IRON	10	62000	1000	36		
7439-93-2	LITHIUM	10	4800	100	1.5		
7439-95-4	MAGNESIUM	10	16000	10000	52		
7440-09-7	POTASSIUM	10	330000	10000	300		E
7440-23-5	SODIUM	100	4800000	100000	600		E
7440-24-6	STRONTIUM	10	20000	100	0.6		

Data Package ID: it0901040-1

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

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Total Recoverable ICP Metals

Method SW6010B

Sample Results

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-12-4-398-PW-GPTF
Lab ID: 0901040-3

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 07-Jan-09

Date Extracted: 12-Jan-09

Date Analyzed: 13-Jan-09

Prep Method: SW3005 Rev A

Prep Batch: IP090112-2

QCBatchID: IP090112-2-1

Run ID: IT090113-2A3

Cleanup: NONE

Basis: As Received

File Name: 090113A.

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7440-39-3	BARIUM	10	50000	1000	1.4		
7440-42-8	BORON	10	8500	1000	26		
7440-70-2	CALCIUM	10	130000	10000	140		
7440-47-3	CHROMIUM	10	100	100	7.3	U	
7439-89-6	IRON	10	4400	1000	36		
7439-93-2	LITHIUM	10	4300	100	1.5		
7439-95-4	MAGNESIUM	10	15000	10000	52		
7440-09-7	POTASSIUM	10	370000	10000	300		
7440-23-5	SODIUM	100	4700000	100000	600		
7440-24-6	STRONTIUM	10	18000	100	0.6		

Data Package ID: it0901040-1

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

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Total Recoverable ICP Metals

Method SW6010B

Sample Results

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-31-8-398-PW-GPTF
Lab ID: 0901040-4

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 07-Jan-09

Date Extracted: 12-Jan-09

Date Analyzed: 13-Jan-09

Prep Method: SW3005 Rev A

Prep Batch: IP090112-2

QC Batch ID: IP090112-2-1

Run ID: IT090113-2A3

Cleanup: NONE

Basis: As Received

File Name: 090113A.

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7440-39-3	BARIUM	10	13000	1000	1.4		
7440-42-8	BORON	10	6600	1000	26		
7440-70-2	CALCIUM	10	34000	10000	140		
7440-47-3	CHROMIUM	10	58	100	7.3	B	
7439-89-6	IRON	10	15000	1000	36		
7439-93-2	LITHIUM	10	3100	100	1.5		
7439-95-4	MAGNESIUM	10	3800	10000	52	B	
7440-09-7	POTASSIUM	10	140000	10000	300		
7440-23-5	SODIUM	10	2400000	10000	60		
7440-24-6	STRONTIUM	10	5200	100	0.6		

Data Package ID: *it0901040-1*

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

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Total Recoverable ICP Metals

Method SW6010B

Sample Results

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-24-20-398-PW-GPT
Lab ID: 0901040-5

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 07-Jan-09

Date Extracted: 12-Jan-09

Date Analyzed: 13-Jan-09

Prep Method: SW3005 Rev A

Prep Batch: IP090112-2

QCBatchID: IP090112-2-1

Run ID: IT090113-2A3

Cleanup: NONE

Basis: As Received

File Name: 090113A.

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7440-39-3	BARIUM	10	7900	1000	1.4		
7440-42-8	BORON	10	11000	1000	26		
7440-70-2	CALCIUM	10	28000	10000	140		
7440-47-3	CHROMIUM	10	10	100	7.3	B	
7439-89-6	IRON	10	7100	1000	36		
7439-93-2	LITHIUM	10	3400	100	1.5		
7439-95-4	MAGNESIUM	10	2800	10000	52	B	
7440-09-7	POTASSIUM	10	150000	10000	300		
7440-23-5	SODIUM	100	3000000	100000	600		
7440-24-6	STRONTIUM	10	4700	100	0.6		

Data Package ID: it0901040-1

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

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Total Recoverable ICPMS Metals

Method SW6020A

Sample Results

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-24-13-398-PW-GPT
Lab ID: 0901040-1

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 07-Jan-09

Date Extracted: 12-Jan-09

Date Analyzed: 13-Jan-09

Prep Method: SW3005 Rev A

Prep Batch: IP090112-2

QCBatchID: IP090112-2-2

Run ID: IM090113-1A5

Cleanup: NONE

Basis: As Received

File Name: 13JAN08A

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7440-38-2	ARSENIC	10	2.2	2	0.11		
7440-43-9	CADMIUM	10	0.1	0.3	0.042	B	
7439-92-1	LEAD	10	0.55	0.5	0.045		
7439-96-5	MANGANESE	10	160	2	0.21		
7782-49-2	SELENIUM	10	0.46	1	0.11	B	
7440-61-1	URANIUM	10	0.035	0.1	0.0074	B	

Data Package ID: *im0901040-1*

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

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Total Recoverable ICPMS Metals

Method SW6020A

Sample Results

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-13-1-398-PW-GPTF
Lab ID: 0901040-2

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 07-Jan-09

Date Extracted: 12-Jan-09

Date Analyzed: 13-Jan-09

Prep Method: SW3005 Rev A

Prep Batch: IP090112-2

QC Batch ID: IP090112-2-2

Run ID: IM090113-1A5

Cleanup: NONE

Basis: As Received

File Name: 13JAN08A

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7440-38-2	ARSENIC	10	1.2	2	0.11	B	
7440-43-9	CADMIUM	10	0.099	0.3	0.042	B	
7439-92-1	LEAD	10	0.075	0.5	0.045	B	
7439-96-5	MANGANESE	100	990	20	2.1		
7782-49-2	SELENIUM	10	0.23	1	0.11	B	
7440-61-1	URANIUM	10	0.028	0.1	0.0074	B	

Data Package ID: *im0901040-1*

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

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Total Recoverable ICPMS Metals

Method SW6020A

Sample Results

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-12-4-398-PW-GPTF
Lab ID: 0901040-3

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 07-Jan-09

Date Extracted: 12-Jan-09

Date Analyzed: 13-Jan-09

Prep Method: SW3005 Rev A

Prep Batch: IP090112-2

QC Batch ID: IP090112-2-2

Run ID: IM090113-1A5

Cleanup: NONE

Basis: As Received

File Name: 13JAN08A

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7440-38-2	ARSENIC	10	15	2	0.11		
7440-43-9	CADMIUM	10	0.056	0.3	0.042	B	
7439-92-1	LEAD	10	0.5	0.5	0.045	U	
7439-96-5	MANGANESE	10	120	2	0.21		
7782-49-2	SELENIUM	10	0.41	1	0.11	B	
7440-61-1	URANIUM	10	0.061	0.1	0.0074	B	

Data Package ID: *im0901040-1*

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

Page 3 of 5

Total Recoverable ICPMS Metals

Method SW6020A

Sample Results

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-31-8-398-PW-GPTF
Lab ID: 0901040-4

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 07-Jan-09

Date Extracted: 12-Jan-09

Date Analyzed: 13-Jan-09

Prep Method: SW3005 Rev A

Prep Batch: IP090112-2

QC Batch ID: IP090112-2-2

Run ID: IM090113-1A5

Cleanup: NONE

Basis: As Received

File Name: 13JAN08A

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7440-38-2	ARSENIC	10	4.9	2	0.11		
7440-43-9	CADMIUM	10	0.3	0.3	0.042	U	
7439-92-1	LEAD	10	0.095	0.5	0.045	B	
7439-96-5	MANGANESE	10	130	2	0.21		
7782-49-2	SELENIUM	10	1.3	1	0.11		
7440-61-1	URANIUM	10	0.2	0.1	0.0074		

Data Package ID: *im0901040-1*

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

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Total Recoverable ICPMS Metals

Method SW6020A

Sample Results

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-24-20-398-PW-GPT
Lab ID: 0901040-5

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 07-Jan-09

Date Extracted: 12-Jan-09

Date Analyzed: 13-Jan-09

Prep Method: SW3005 Rev A

Prep Batch: IP090112-2

QCBatchID: IP090112-2-2

Run ID: IM090113-1A5

Cleanup: NONE

Basis: As Received

File Name: 13JAN08A

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7440-38-2	ARSENIC	10	10	2	0.11		
7440-43-9	CADMIUM	10	0.048	0.3	0.042	B	
7439-92-1	LEAD	10	0.16	0.5	0.045	B	
7439-96-5	MANGANESE	10	84	2	0.21		
7782-49-2	SELENIUM	10	0.86	1	0.11	B	
7440-61-1	URANIUM	10	0.46	0.1	0.0074		

Data Package ID: *im0901040-1*

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Total MERCURY

Method SW7470

Sample Results

Lab Name: ALS Paragon

Client Name: URS

Client Project ID: Williams-Rio Blanca 22240417.00001

Work Order Number: 0901040

Final Volume: 20 g

Reporting Basis: As Received

Matrix: WATER

Result Units: UG/L

Client Sample ID	Lab ID	Date Collected	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	Reporting Limit	MDL	Flag	Sample Aliquot
FE-RG-24-13-398-PW-GPTF	0901040-1	1/7/2009	1/15/2009	01/16/2009	N/A	1	3.2	0.2	0.0081		20 g
FE-RG-13-1-398-PW-GPTF	0901040-2	1/7/2009	1/15/2009	01/16/2009	N/A	1	0.059	0.2	0.0081	B	20 g
FE-RG-12-4-398-PW-GPTF	0901040-3	1/7/2009	1/15/2009	01/16/2009	N/A	1	0.2	0.2	0.0081	U	20 g
FE-RG-31-8-398-PW-GPTF	0901040-4	1/7/2009	1/15/2009	01/16/2009	N/A	1	0.25	0.2	0.0081		20 g
FE-RG-24-20-398-PW-GPTF	0901040-5	1/7/2009	1/15/2009	01/16/2009	N/A	100	32	20	0.81		20 g

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: *hg0901040-1*

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Summary Report Forms

ICP Metals

Method SW6010B

Method Blank

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: IP090112-2MB

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 12-Jan-09

Date Analyzed: 13-Jan-09

Prep Batch: IP090112-2

QCBatchID: IP090112-2-1

Run ID: IT090113-2A3

Cleanup: NONE

Basis: N/A

File Name: 090113A.

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7440-39-3	BARIUM	1	-0.39	100	0.14	B	
7440-42-8	BORON	1	-3.1	100	2.6	B	
7440-70-2	CALCIUM	1	-190	1000	14	B	
7440-47-3	CHROMIUM	1	10	10	0.73	U	
7439-89-6	IRON	1	56	100	3.6	B	
7439-93-2	LITHIUM	1	4.4	10	0.15	B	
7439-95-4	MAGNESIUM	1	-11	1000	5.2	B	
7440-09-7	POTASSIUM	1	300	1000	30	B	
7440-23-5	SODIUM	1	230	1000	6	B	
7440-24-6	STRONTIUM	1	-0.56	10	0.06	B	

Data Package ID: it0901040-1

Date Printed: Monday, January 19, 2009

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ICP Metals

Method SW6010B

Laboratory Control Sample

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: IP090112-2LCS

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 01/12/2009

Date Analyzed: 01/13/2009

Prep Method: SW3005A

Prep Batch: IP090112-2

QCBatchID: IP090112-2-1

Run ID: IT090113-2A3

Cleanup: NONE

Basis: N/A

File Name: 090113A.

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7440-39-3	BARIUM	2000	1970	100		98	80 - 120%
7440-42-8	BORON	1000	1010	100		101	80 - 120%
7440-70-2	CALCIUM	40000	39600	1000		99	80 - 120%
7440-47-3	CHROMIUM	200	202	10		101	80 - 120%
7439-89-6	IRON	1000	964	100		96	80 - 120%
7439-93-2	LITHIUM	500	493	10		99	80 - 120%
7439-95-4	MAGNESIUM	40000	40300	1000		101	80 - 120%
7440-09-7	POTASSIUM	40000	39000	1000		97	80 - 120%
7440-23-5	SODIUM	40000	39000	1000		98	80 - 120%
7440-24-6	STRONTIUM	500	497	10		99	80 - 120%

Data Package ID: *it0901040-1*

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ICP Metals

Method SW6010B

Matrix Spike And Matrix Spike Duplicate

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-13-1-398-PW-G

LabID: 0901040-2MS

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 07-Jan-09

Date Extracted: 12-Jan-09

Date Analyzed: 13-Jan-09

Prep Method: SW3005 Rev A

Prep Batch: IP090112-2

QCBatchID: IP090112-2-1

Run ID: IT090113-2A3

Cleanup: NONE

Basis: As Received

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: UG/L

File Name: 090113A.

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
7440-39-3	BARIUM	18000		19600		1000	2000	55	80 - 120%
7440-42-8	BORON	12000		13300		1000	1000	108	80 - 120%
7440-70-2	CALCIUM	170000		206000		10000	40000	93	80 - 120%
7440-47-3	CHROMIUM	100	U	196		100	200	98	80 - 120%
7439-89-6	IRON	62000		62900		1000	1000	88	80 - 120%
7439-93-2	LITHIUM	4800		5460		100	500	131	80 - 120%
7439-95-4	MAGNESIUM	16000		52400		10000	40000	92	80 - 120%
7440-09-7	POTASSIUM	330000		389000		10000	40000	159	80 - 120%
7440-23-5	SODIUM	4800000		5150000		100000	40000	976	80 - 120%
7440-24-6	STRONTIUM	20000		20900		100	500	141	80 - 120%

Data Package ID: *it0901040-1*

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ICP Metals

Method SW6010B

Matrix Spike And Matrix Spike Duplicate

Lab Name: ALS Paragon
Work Order Number: 0901040
Client Name: URS
ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-13-1-398-PW-G	Sample Matrix: WATER	Prep Batch: IP090112-2	Sample Aliquot: 50 g
LabID: 0901040-2MSD	% Moisture: N/A	QCBatchID: IP090112-2-1	Final Volume: 50 g
	Date Collected: 07-Jan-09	Run ID: IT090113-2A3	Result Units: UG/L
	Date Extracted: 12-Jan-09	Cleanup: NONE	File Name: 090113A.
	Date Analyzed: 13-Jan-09	Basis: As Received	
	Prep Method: SW3005 Rev A		

CASNO	Target Analyte	MSD Result	MSD Qual	Spike Added	MSD % Rec.	Reporting Limit	RPD Limit	RPD
7440-39-3	BARIUM	19600		2000	56	1000	20	0
7440-42-8	BORON	13400		1000	120	1000	20	1
7440-70-2	CALCIUM	209000		40000	101	10000	20	1
7440-47-3	CHROMIUM	196		200	98	100	20	0
7439-89-6	IRON	63600		1000	155	1000	20	1
7439-93-2	LITHIUM	5440		500	128	100	20	0
7439-95-4	MAGNESIUM	53000		40000	94	10000	20	1
7440-09-7	POTASSIUM	388000		40000	156	10000	20	0
7440-23-5	SODIUM	5140000		40000	946	100000	20	0
7440-24-6	STRONTIUM	21000		500	156	100	20	0

Data Package ID: *it0901040-1*

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ICP Metals

Method SW6010

Duplicate Sample Results

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-13-1-398-PW-G

Lab ID: 0901040-2D

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 01/07/2009

Date Extracted: 01/12/2009

Date Analyzed: 01/13/2009

Prep Batch: IP090112-2

QCBatchID: IP090112-2-1

Run ID: IT090113-2A3

Cleanup: NONE

Basis: As Received

File Name: 090113A.

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	Sample Result	Samp Qual	Duplicate Result	Dup Qual	Reporting Limit	Dilution Factor	RPD	RPD Limit
7440-39-3	BARIUM	18000		17700		1000	10	4	20
7440-42-8	BORON	12000		12200		1000	10	0	20
7440-70-2	CALCIUM	170000		170000		10000	10	1	20
7440-47-3	CHROMIUM	100	U	100	U	100	10		20
7439-89-6	IRON	62000		62400		1000	10	1	20
7439-93-2	LITHIUM	4800		4820		100	10	0	20
7439-95-4	MAGNESIUM	16000		15600		10000	10		20
7440-09-7	POTASSIUM	330000		328000		10000	10	1	20
7440-23-5	SODIUM	4800000		5010000		100000	100	5	20
7440-24-6	STRONTIUM	20000		20300		100	10	0	20

Data Package ID: it0901040-1

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ICP Metals

Method SW6010

Serial Dilution

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-13-1-398-PW-G

Lab ID: 0901040-2L

Run ID: IT090113-2A3

Date Analyzed: 13-Jan-09

Result Units: ug/l

CASNO	Target Analyte	Sample Result	Samp Qual	SD Result	SD Qual	EPA Qualifier	%D
7440-39-3	BARIUM	1850		1970			7
7440-42-8	BORON	1220		1250			2
7440-70-2	CALCIUM	16900		17600			4
7440-47-3	CHROMIUM	0.580	U	2.90	U		
7439-89-6	IRON	6210		6450			4
7439-93-2	LITHIUM	480		440			8
7439-95-4	MAGNESIUM	1550		1550	B		0
7440-09-7	POTASSIUM	32600		25900		E	20
7440-23-5	SODIUM	47600		41200		E	13
7440-24-6	STRONTIUM	2020		2160			7

Data Package ID: *it0901040-1*

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Prep Batch ID: IP090112-2

Start Date: 01/12/09

End Date: 01/12/09

Concentration Method: NONE

Batch Created By: plm

Start Time: 11:45

End Time: 17:15

Extract Method: SW3005A

Date Created: 01/12/09

Prep Analyst: Preston Mathiesen

Initial Volume Units: g

Time Created: 12:02

Comments:

Final Volume Units: g

Validated By: plm

Date Validated: 01/12/09

Time Validated: 20:10

QC Batch ID: IP090112-2-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
IP090112-2	MB	XXXXXX	WATER	XXXXXX	50	50	NONE	1	0901040
IP090112-2	LCS	XXXXXX	WATER	XXXXXX	50	50	NONE	1	0901040
0901040-2	MS	FE-RG-13-1-398-PW-	WATER	1/7/2009	50	50	NONE	1	0901040
0901040-2	MSD	FE-RG-13-1-398-PW-	WATER	1/7/2009	50	50	NONE	1	0901040
0901040-2	DUP	FE-RG-13-1-398-PW-	WATER	1/7/2009	50	50	NONE	1	0901040
0901040-1	SMP	FE-RG-24-13-398-PW	WATER	1/7/2009	50	50	NONE	1	0901040
0901040-2	SMP	FE-RG-13-1-398-PW-	WATER	1/7/2009	50	50	NONE	1	0901040
0901040-3	SMP	FE-RG-12-4-398-PW-	WATER	1/7/2009	50	50	NONE	1	0901040
0901040-4	SMP	FE-RG-31-8-398-PW-	WATER	1/7/2009	50	50	NONE	1	0901040
0901040-5	SMP	FE-RG-24-20-398-PW	WATER	1/7/2009	50	50	NONE	1	0901040

QC Types

CAR	Carrier reference sample	DUP	Laboratory Duplicate
LCS	Laboratory Control Sample	LCSD	Laboratory Control Sample Duplicat
MB	Method Blank	MS	Laboratory Matrix Spike
MSD	Laboratory Matrix Spike Duplicate	REP	Sample replicate
SMP	Field Sample	SYS	Sample Yield Spike

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: ICV

QC Type: Initial Calibration

File Name: 090113A.

Run ID: IT090113-2A3

Date Analyzed: 01/13/2009

Time Analyzed: 13:35

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-39-3	BARIUM	0.5	0.506	0.1		101	90 - 110%
7440-42-8	BORON	0.5	0.514	0.1		103	90 - 110%
7440-70-2	CALCIUM	25	26	1		104	90 - 110%
7440-47-3	CHROMIUM	0.5	0.518	0.01		104	90 - 110%
7439-89-6	IRON	10	10.2	0.1		102	90 - 110%
7439-93-2	LITHIUM	0.25	0.246	0.01		98	90 - 110%
7439-95-4	MAGNESIUM	25	26.1	1		104	90 - 110%
7440-09-7	POTASSIUM	25	24.9	1		99	90 - 110%
7440-23-5	SODIUM	25	24.7	1		99	90 - 110%
7440-24-6	STRONTIUM	0.25	0.26	0.01		104	90 - 110%

Data Package ID: *it0901040-1*

Date Printed: Monday, January 19, 2009

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ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV1

QC Type: Continuing Calibration

File Name: 090113A.

Run ID: IT090113-2A3

Date Analyzed: 01/13/2009

Time Analyzed: 13:49

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-39-3	BARIUM	1	0.97	0.1		97	90 - 110%
7440-42-8	BORON	1	1	0.1		100	90 - 110%
7440-70-2	CALCIUM	50	50.7	1		101	90 - 110%
7440-47-3	CHROMIUM	1	0.988	0.01		99	90 - 110%
7439-89-6	IRON	20	20	0.1		100	90 - 110%
7439-93-2	LITHIUM	0.5	0.504	0.01		101	90 - 110%
7439-95-4	MAGNESIUM	50	50.9	1		102	90 - 110%
7440-09-7	POTASSIUM	50	50.2	1		100	90 - 110%
7440-23-5	SODIUM	50	50.6	1		101	90 - 110%
7440-24-6	STRONTIUM	0.5	0.501	0.01		100	90 - 110%

Data Package ID: *it0901040-1*

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ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV2

QC Type: Continuing Calibration

File Name: 090113A.

Run ID: IT090113-2A3

Date Analyzed: 01/13/2009

Time Analyzed: 14:12

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-39-3	BARIUM	1	0.961	0.1		96	90 - 110%
7440-42-8	BORON	1	0.992	0.1		99	90 - 110%
7440-70-2	CALCIUM	50	50.8	1		102	90 - 110%
7440-47-3	CHROMIUM	1	0.993	0.01		99	90 - 110%
7439-89-6	IRON	20	19.9	0.1		100	90 - 110%
7439-93-2	LITHIUM	0.5	0.501	0.01		100	90 - 110%
7439-95-4	MAGNESIUM	50	51	1		102	90 - 110%
7440-09-7	POTASSIUM	50	50.2	1		100	90 - 110%
7440-23-5	SODIUM	50	50.5	1		101	90 - 110%
7440-24-6	STRONTIUM	0.5	0.496	0.01		99	90 - 110%

Data Package ID: *it0901040-1*

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ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV3

QC Type: Continuing Calibration

File Name: 090113A.

Run ID: IT090113-2A3

Date Analyzed: 01/13/2009

Time Analyzed: 14:47

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-39-3	BARIUM	1	0.949	0.1		95	90 - 110%
7440-42-8	BORON	1	0.977	0.1		98	90 - 110%
7440-70-2	CALCIUM	50	49.6	1		99	90 - 110%
7440-47-3	CHROMIUM	1	0.965	0.01		97	90 - 110%
7439-89-6	IRON	20	19.4	0.1		97	90 - 110%
7439-93-2	LITHIUM	0.5	0.498	0.01		100	90 - 110%
7439-95-4	MAGNESIUM	50	49.5	1		99	90 - 110%
7440-09-7	POTASSIUM	50	49.8	1		100	90 - 110%
7440-23-5	SODIUM	50	50	1		100	90 - 110%
7440-24-6	STRONTIUM	0.5	0.49	0.01		98	90 - 110%

Data Package ID: *it0901040-1*

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ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV4

QC Type: Continuing Calibration

File Name: 090113A.

Run ID: IT090113-2A3

Date Analyzed: 01/13/2009

Time Analyzed: 15:10

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-39-3	BARIUM	1	0.97	0.1		97	90 - 110%
7440-42-8	BORON	1	1.02	0.1		102	90 - 110%
7440-70-2	CALCIUM	50	52	1		104	90 - 110%
7440-47-3	CHROMIUM	1	1.01	0.01		101	90 - 110%
7439-89-6	IRON	20	20.2	0.1		101	90 - 110%
7439-93-2	LITHIUM	0.5	0.501	0.01		100	90 - 110%
7439-95-4	MAGNESIUM	50	51.6	1		103	90 - 110%
7440-09-7	POTASSIUM	50	50.2	1		100	90 - 110%
7440-23-5	SODIUM	50	49.8	1		100	90 - 110%
7440-24-6	STRONTIUM	0.5	0.503	0.01		101	90 - 110%

Data Package ID: *it0901040-1*

Date Printed: Monday, January 19, 2009

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ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV5

QC Type: Continuing Calibration

File Name: 090113A.

Run ID: IT090113-2A3

Date Analyzed: 01/13/2009

Time Analyzed: 15:32

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-39-3	BARIUM	1	0.957	0.1		96	90 - 110%
7440-42-8	BORON	1	1.01	0.1		101	90 - 110%
7440-70-2	CALCIUM	50	52.4	1		105	90 - 110%
7440-47-3	CHROMIUM	1	1.01	0.01		101	90 - 110%
7439-89-6	IRON	20	20	0.1		100	90 - 110%
7439-93-2	LITHIUM	0.5	0.501	0.01		100	90 - 110%
7439-95-4	MAGNESIUM	50	51.6	1		103	90 - 110%
7440-09-7	POTASSIUM	50	50.2	1		100	90 - 110%
7440-23-5	SODIUM	50	50.4	1		101	90 - 110%
7440-24-6	STRONTIUM	0.5	0.498	0.01		100	90 - 110%

Data Package ID: *it0901040-1*

Date Printed: Monday, January 19, 2009

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ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV6

QC Type: Continuing Calibration

File Name: 090113A.

Run ID: IT090113-2A3

Date Analyzed: 01/13/2009

Time Analyzed: 15:57

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-39-3	BARIUM	1	0.956	0.1		96	90 - 110%
7440-42-8	BORON	1	1	0.1		100	90 - 110%
7440-70-2	CALCIUM	50	51.7	1		103	90 - 110%
7440-47-3	CHROMIUM	1	0.994	0.01		99	90 - 110%
7439-89-6	IRON	20	19.7	0.1		98	90 - 110%
7439-93-2	LITHIUM	0.5	0.5	0.01		100	90 - 110%
7439-95-4	MAGNESIUM	50	50.9	1		102	90 - 110%
7440-09-7	POTASSIUM	50	50.3	1		101	90 - 110%
7440-23-5	SODIUM	50	50.3	1		101	90 - 110%
7440-24-6	STRONTIUM	0.5	0.497	0.01		99	90 - 110%

Data Package ID: *it0901040-1*

Date Printed: Monday, January 19, 2009

ALS Paragon

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ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV7

QC Type: Continuing Calibration

File Name: 090113A.

Run ID: IT090113-2A3

Date Analyzed: 01/13/2009

Time Analyzed: 16:20

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-39-3	BARIUM	1	0.947	0.1		95	90 - 110%
7440-42-8	BORON	1	0.991	0.1		99	90 - 110%
7440-70-2	CALCIUM	50	50.7	1		101	90 - 110%
7440-47-3	CHROMIUM	1	0.973	0.01		97	90 - 110%
7439-89-6	IRON	20	19.3	0.1		97	90 - 110%
7439-93-2	LITHIUM	0.5	0.498	0.01		100	90 - 110%
7439-95-4	MAGNESIUM	50	49.9	1		100	90 - 110%
7440-09-7	POTASSIUM	50	49.9	1		100	90 - 110%
7440-23-5	SODIUM	50	49.6	1		99	90 - 110%
7440-24-6	STRONTIUM	0.5	0.493	0.01		99	90 - 110%

Data Package ID: *it0901040-1*

Date Printed: Monday, January 19, 2009

ALS Paragon

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ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV8

QC Type: Continuing Calibration

File Name: 090113A.

Run ID: IT090113-2A3

Date Analyzed: 01/13/2009

Time Analyzed: 16:32

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-39-3	BARIUM	1	0.947	0.1		95	90 - 110%
7440-42-8	BORON	1	0.993	0.1		99	90 - 110%
7440-70-2	CALCIUM	50	51	1		102	90 - 110%
7440-47-3	CHROMIUM	1	0.979	0.01		98	90 - 110%
7439-89-6	IRON	20	19.4	0.1		97	90 - 110%
7439-93-2	LITHIUM	0.5	0.497	0.01		99	90 - 110%
7439-95-4	MAGNESIUM	50	50.3	1		101	90 - 110%
7440-09-7	POTASSIUM	50	50.1	1		100	90 - 110%
7440-23-5	SODIUM	50	49.9	1		100	90 - 110%
7440-24-6	STRONTIUM	0.5	0.493	0.01		99	90 - 110%

Data Package ID: *it0901040-1*

Date Printed: Monday, January 19, 2009

ALS Paragon

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ICP Metals

Method SW6010

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: ICB

QC Type: Initial Calibration

Run ID: IT090113-2A3

Date Analyzed: 01/13/2009

Time Analyzed: 1:41:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-39-3	BARIUM	-0.000469	0.1	B
7440-42-8	BORON	-0.00559	0.1	B
7440-70-2	CALCIUM	-0.249	1	B
7440-47-3	CHROMIUM	0.01	0.01	U
7439-89-6	IRON	-0.00601	0.1	B
7439-93-2	LITHIUM	0.00424	0.01	B
7439-95-4	MAGNESIUM	-0.0206	1	B
7440-09-7	POTASSIUM	0.176	1	B
7440-23-5	SODIUM	0.197	1	B
7440-24-6	STRONTIUM	-0.000958	0.01	B

Data Package ID: *it0901040-1*

Date Printed: Monday, January 19, 2009

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ICP Metals

Method SW6010

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB1

QC Type: Continuing Calibration

Run ID: IT090113-2A3

Date Analyzed: 01/13/2009

Time Analyzed: 1:51:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-39-3	BARIUM	-0.000443	0.1	B
7440-42-8	BORON	-0.00485	0.1	B
7440-70-2	CALCIUM	-0.247	1	B
7440-47-3	CHROMIUM	-0.00062	0.01	B
7439-89-6	IRON	-0.00495	0.1	B
7439-93-2	LITHIUM	0.00436	0.01	B
7439-95-4	MAGNESIUM	-0.0168	1	B
7440-09-7	POTASSIUM	0.249	1	B
7440-23-5	SODIUM	0.202	1	B
7440-24-6	STRONTIUM	-0.000944	0.01	B

Data Package ID: *it0901040-1*

Date Printed: Monday, January 19, 2009

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ICP Metals

Method SW6010

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB2

QC Type: Continuing Calibration

Run ID: IT090113-2A3

Date Analyzed: 01/13/2009

Time Analyzed: 2:14:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-39-3	BARIUM	-0.000404	0.1	B
7440-42-8	BORON	-0.0038	0.1	B
7440-70-2	CALCIUM	-0.24	1	B
7440-47-3	CHROMIUM	0.01	0.01	U
7439-89-6	IRON	-0.00266	0.1	B
7439-93-2	LITHIUM	0.0044	0.01	B
7439-95-4	MAGNESIUM	-0.00869	1	B
7440-09-7	POTASSIUM	0.262	1	B
7440-23-5	SODIUM	0.207	1	B
7440-24-6	STRONTIUM	-0.000897	0.01	B

Data Package ID: *it0901040-1*

Date Printed: Monday, January 19, 2009

ALS Paragon

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ICP Metals

Method SW6010

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB3

QC Type: Continuing Calibration

Run ID: IT090113-2A3

Date Analyzed: 01/13/2009

Time Analyzed: 2:49:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-39-3	BARIUM	-0.000286	0.1	B
7440-42-8	BORON	-0.00563	0.1	B
7440-70-2	CALCIUM	-0.228	1	B
7440-47-3	CHROMIUM	0.01	0.01	U
7439-89-6	IRON	-0.00133	0.1	B
7439-93-2	LITHIUM	0.00429	0.01	B
7439-95-4	MAGNESIUM	-0.00569	1	B
7440-09-7	POTASSIUM	0.207	1	B
7440-23-5	SODIUM	0.206	1	B
7440-24-6	STRONTIUM	-0.000804	0.01	B

Data Package ID: *it0901040-1*

Date Printed: Monday, January 19, 2009

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ICP Metals

Method SW6010

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB4

QC Type: Continuing Calibration

Run ID: IT090113-2A3

Date Analyzed: 01/13/2009

Time Analyzed: 3:12:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-39-3	BARIUM	-0.000259	0.1	B
7440-42-8	BORON	-0.00514	0.1	B
7440-70-2	CALCIUM	-0.221	1	B
7440-47-3	CHROMIUM	-0.000746	0.01	B
7439-89-6	IRON	0.1	0.1	U
7439-93-2	LITHIUM	0.00437	0.01	B
7439-95-4	MAGNESIUM	-0.00857	1	B
7440-09-7	POTASSIUM	0.219	1	B
7440-23-5	SODIUM	0.223	1	B
7440-24-6	STRONTIUM	-0.000746	0.01	B

Data Package ID: *it0901040-1*

Date Printed: Monday, January 19, 2009

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ICP Metals

Method SW6010

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB5

QC Type: Continuing Calibration

Run ID: IT090113-2A3

Date Analyzed: 01/13/2009

Time Analyzed: 3:36:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-39-3	BARIUM	-0.000509	0.1	B
7440-42-8	BORON	-0.00444	0.1	B
7440-70-2	CALCIUM	-0.251	1	B
7440-47-3	CHROMIUM	0.01	0.01	U
7439-89-6	IRON	-0.00644	0.1	B
7439-93-2	LITHIUM	0.00444	0.01	B
7439-95-4	MAGNESIUM	-0.0202	1	B
7440-09-7	POTASSIUM	0.255	1	B
7440-23-5	SODIUM	0.201	1	B
7440-24-6	STRONTIUM	-0.000983	0.01	B

Data Package ID: *it0901040-1*

Date Printed: Monday, January 19, 2009

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ICP Metals

Method SW6010

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB6

QC Type: Continuing Calibration

Run ID: IT090113-2A3

Date Analyzed: 01/13/2009

Time Analyzed: 3:59:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-39-3	BARIUM	-0.000482	0.1	B
7440-42-8	BORON	-0.00525	0.1	B
7440-70-2	CALCIUM	-0.244	1	B
7440-47-3	CHROMIUM	-0.000726	0.01	B
7439-89-6	IRON	-0.00166	0.1	B
7439-93-2	LITHIUM	0.00452	0.01	B
7439-95-4	MAGNESIUM	-0.0177	1	B
7440-09-7	POTASSIUM	0.289	1	B
7440-23-5	SODIUM	0.208	1	B
7440-24-6	STRONTIUM	-0.000955	0.01	B

Data Package ID: *it0901040-1*

Date Printed: Monday, January 19, 2009

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ICP Metals

Method SW6010

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB7

QC Type: Continuing Calibration

Run ID: IT090113-2A3

Date Analyzed: 01/13/2009

Time Analyzed: 4:22:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-39-3	BARIUM	-0.000456	0.1	B
7440-42-8	BORON	-0.00512	0.1	B
7440-70-2	CALCIUM	-0.244	1	B
7440-47-3	CHROMIUM	-0.000701	0.01	B
7439-89-6	IRON	0.1	0.1	U
7439-93-2	LITHIUM	0.00443	0.01	B
7439-95-4	MAGNESIUM	-0.0173	1	B
7440-09-7	POTASSIUM	0.236	1	B
7440-23-5	SODIUM	0.204	1	B
7440-24-6	STRONTIUM	-0.000933	0.01	B

Data Package ID: *it0901040-1*

Date Printed: Monday, January 19, 2009

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ICP Metals

Method SW6010

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB8

QC Type: Continuing Calibration

Run ID: IT090113-2A3

Date Analyzed: 01/13/2009

Time Analyzed: 4:34:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-39-3	BARIUM	-0.000391	0.1	B
7440-42-8	BORON	-0.00372	0.1	B
7440-70-2	CALCIUM	-0.243	1	B
7440-47-3	CHROMIUM	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-93-2	LITHIUM	0.00437	0.01	B
7439-95-4	MAGNESIUM	-0.0127	1	B
7440-09-7	POTASSIUM	0.237	1	B
7440-23-5	SODIUM	0.203	1	B
7440-24-6	STRONTIUM	-0.000919	0.01	B

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ICP Metals

Method SW6010

ICP Interference Check Sample

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Run ID: IT090113-2A3

Date Analyzed: 01/13/2009

Result Units: MG/L

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA1	ICSAB1	ICSA1	ICSAB1	
7440-39-3	BARIUM		0.5		0.482	96
7440-42-8	BORON		1		0.98600	99
7440-70-2	CALCIUM	250	250	253	253	101
7440-47-3	CHROMIUM		0.5		0.45800	92
7439-89-6	IRON	100	100	101	101	101
7439-93-2	LITHIUM		1		1.03	103
7439-95-4	MAGNESIUM	250	250	253	254	102
7440-09-7	POTASSIUM					
7440-23-5	SODIUM					
7440-24-6	STRONTIUM		1		0.97100	97

Data Package ID: *it0901040-1*

Date Printed: Monday, January 19, 2009

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ICP Metals

Method SW6010

ICP Interference Check Sample

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Run ID: IT090113-2A3

Date Analyzed: 01/13/2009

Result Units: MG/L

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA2	ICSAB2	ICSA2	ICSAB2	
7440-39-3	BARIUM		0.5		0.475	95
7440-42-8	BORON		1		0.992	99
7440-70-2	CALCIUM	250	250	256	262	105
7440-47-3	CHROMIUM		0.5		0.46200	92
7439-89-6	IRON	100	100	97.7	99.9000	100
7439-93-2	LITHIUM		1		1.01	101
7439-95-4	MAGNESIUM	250	250	249	256	102
7440-09-7	POTASSIUM					
7440-23-5	SODIUM					
7440-24-6	STRONTIUM		1		0.96100	96

Data Package ID: *it0901040-1*

Date Printed: Monday, January 19, 2009

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ICP Interelement Correction Factors

Lab Name: ALS Paragon
Work Order Number: 0901040
Client Name: URS
ClientProject ID: Williams-Rio Blanca 22240417.00001

Instrument ID: ICPTTrace2
Active Date: 1/8/2009
Expiration Date: 1/8/2010

Analyte	Lamda (nm)	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Th
CADMIUM				0.0068507													
CHROMIUM																	
LEAD		0.0001922										0.0000375					
SELENIUM		0.0000172										0.000036					
URANIUM												0.0006809					

ICP Interelement Correction Factors

Lab Name: ALS Paragon
Work Order Number: 0901040
Client Name: URS
ClientProject ID: Williams-Rio Blanca 22240417.00001

Instrument ID: ICPTTrace2
Active Date: 1/8/2009
Expiration Date: 1/8/2010

Analyte	Lamda (nm)	K	Se	Ag	Na	Tl	V	Zn	Sn	Ti	Mo	Li	Sr	B	Si	U	Zr
CADMIUM																	
CHROMIUM																0.0005333	
LEAD										0.0002142	-0.001318					0.0010996	
SELENIUM																0.0000151	
URANIUM																	

Metals Linear Ranges

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Instrument ID: ICPTTrace2

Active Date: 01/08/2009

Expiration Date: 04/08/2009

CASNO	Target Analyte	Concentration (ppm)
7440-38-2	ARSENIC	5
7440-39-3	BARIUM	10
7440-42-8	BORON	10
7440-43-9	CADMIUM	5
7440-70-2	CALCIUM	500
7440-47-3	CHROMIUM	10
7439-89-6	IRON	200
7439-92-1	LEAD	10
7439-93-2	LITHIUM	5
7439-95-4	MAGNESIUM	500
7439-96-5	MANGANESE	10
7440-09-7	POTASSIUM	250
7782-49-2	SELENIUM	5
7440-23-5	SODIUM	250
7440-24-6	STRONTIUM	10
7440-61-1	URANIUM	50

ICPTTrace2 Run Log -- 1/13/2009

Instrument ID: ICPTTrace2
File Name: 090113A
AnalRunID: IT090113-2A1
CalibRefID: IT090113-2A1

Start Date: 1/13/2009
End Date: 1/13/2009

Lab ID	DF	Time	A G	A L	A S	B	B A	B E	B I	C	C A	C D	C O	C R	C U	F E	K I	M G	M N	N A	N I	P B	S B	S E	S I	S N	S R	T H	T I	T L	U	V	Z N	Z R
ICV	1	13:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB	1	13:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI1	1	13:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA1	1	13:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB1	1	13:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV1	1	13:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB1	1	13:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IP090112-1MB	1	13:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IP090112-1LCS	1	13:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901043-1	1	13:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901043-1DUP	1	13:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901043-1SER	5	14:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901043-1MS	1	14:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901043-1MSD	1	14:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901043-2	1	14:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IP090112-2MB	1	14:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IP090112-2LCS	1	14:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV2	1	14:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB2	1	14:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV3	1	14:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB3	1	14:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901040-1	10	14:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901040-2	10	14:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901040-2DUP	10	14:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901040-2SER	50	14:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Data Package ID: it0901040-1

ICPTrace2 Run Log -- 1/13/2009

Instrument ID: ICPTrace2
File Name: 090113A
AnalRunID: IT090113-2A1
CalibRefID: IT090113-2A1

Start Date: 1/13/2009
End Date: 1/13/2009

Lab ID	DF	Time	A G	A L	A S	B	B A	B E	B I	C	C A	C D	C O	C R	C U	F E	K I	L I	M G	M N	M O	N A	N I	P	P B	S	S B	S E	S I	S N	S R	T H	T I	T L	U	V	Z N	Z R	
0901040-2MS	10	14:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901040-2MSD	10	15:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901040-3	10	15:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901040-5	10	15:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IP090112-5MB	1	15:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV4	1	15:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB4	1	15:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IP090112-5LCS	1	15:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901037-1	1	15:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901037-2	1	15:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901037-3	1	15:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901050-1	1	15:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901050-2	1	15:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901050-2DUP	1	15:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901050-2SER	5	15:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901050-2MS	1	15:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901050-2MSD	1	15:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV5	1	15:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB5	1	15:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901050-3	1	15:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901050-4	1	15:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901050-5	1	15:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901040-1	100	15:44																			X																		
0901040-2	100	15:45																			X																		
0901040-2DUP	100	15:47																			X																		

Data Package ID: it0901040-1

ICPTrace2 Run Log -- 1/13/2009

Instrument ID: ICPTrace2
File Name: 090113A
AnalRunID: IT090113-2A1
CalibRefID: IT090113-2A1

Start Date: 1/13/2009
End Date: 1/13/2009

Lab ID	DF	Time	A G L	A S	B	B A	B E	B I	C	C A	C D	C O	C R	C U	F E	K	L I	M G	M N	M O	N A	N I	P	P B	S	S B	S E	S I	S N	S R	T H	T I	T L	U	V	Z N	Z R	
0901040-2SER	500	15:49																		X																		
0901040-2MS	100	15:51																		X																		
0901040-2MSD	100	15:53																		X																		
0901040-3	100	15:55																		X																		
CCV6	1	15:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB6	1	15:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901040-4	10	16:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901040-5	100	16:03																		X																		
0901050-2	2	16:05													X								X												X	X		
0901050-2DUP	2	16:07													X								X												X	X		
0901050-2SER	10	16:09													X								X												X	X		
0901050-2MS	2	16:10													X								X												X	X		
0901050-2MSD	2	16:12													X								X												X	X		
0901050-3	2	16:14													X								X												X	X		
0901050-4	2	16:16													X								X												X	X		
0901050-5	3	16:18																	X																X			
CCV7	1	16:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB7	1	16:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901050-2A	1	16:24	X	X	X	X	X	X	X	X	X	X	X	X					X	X	X	X	X															
CR12	1	16:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA2	1	16:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB2	1	16:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV8	1	16:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB8	1	16:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Data Package ID: it0901040-1

ICPTrace2 Run Log -- 1/13/2009

Instrument ID: ICPTrace2

File Name: 090113A.

AnalRunID: IT090113-2A1

CalibRefID: IT090113-2A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		MIXBHIGH	1	1/13/2009	13:15
		MIXAHIGH	1	1/13/2009	13:17
		MIXCHIGH	1	1/13/2009	13:19
		ICV	1	1/13/2009	13:35
		ICB	1	1/13/2009	13:41
		CRI1	1	1/13/2009	13:43
		ICSA1	1	1/13/2009	13:45
		ICSAB1	1	1/13/2009	13:47
		CCV1	1	1/13/2009	13:49
		CCB1	1	1/13/2009	13:51
		IP090112-1MB	1	1/13/2009	13:53
		IP090112-1LCS	1	1/13/2009	13:55
- S		0901043-1	1	1/13/2009	13:57
- S		0901043-1DUP	1	1/13/2009	13:58
- S		0901043-1SER	5	1/13/2009	14:00
- S		0901043-1MS	1	1/13/2009	14:02
- S		0901043-1MSD	1	1/13/2009	14:04
- S		0901043-2	1	1/13/2009	14:06
		IP090112-2MB	1	1/13/2009	14:08
		IP090112-2LCS	1	1/13/2009	14:10
		CCV2	1	1/13/2009	14:12
		CCB2	1	1/13/2009	14:14
		CCV3	1	1/13/2009	14:47
		CCB3	1	1/13/2009	14:49
- Na	FE-RG-24-13-398-PW-GPTF	0901040-1	10	1/13/2009	14:51
- Na	FE-RG-13-1-398-PW-GPTF	0901040-2	10	1/13/2009	14:53
- Na	FE-RG-13-1-398-PW-GPTF	0901040-2DUP	10	1/13/2009	14:54
- Na	FE-RG-13-1-398-PW-GPTF	0901040-2SER	50	1/13/2009	14:56
- Na	FE-RG-13-1-398-PW-GPTF	0901040-2MS	10	1/13/2009	14:58
- Na	FE-RG-13-1-398-PW-GPTF	0901040-2MSD	10	1/13/2009	15:00
- Na	FE-RG-12-4-398-PW-GPTF	0901040-3	10	1/13/2009	15:02
		ZZZ	1	1/13/2009	15:04
- Na	FE-RG-24-20-398-PW-GPTF	0901040-5	10	1/13/2009	15:06
		IP090112-5MB	1	1/13/2009	15:08
		CCV4	1	1/13/2009	15:10

Data Package ID: IT0901040-1

ICPTrace2 Run Log -- 1/13/2009

Instrument ID: ICPTTrace2

File Name: 090113A.

AnalRunID: IT090113-2A1

CalibRefID: IT090113-2A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		CCB4	1	1/13/2009	15:12
		IP090112-5LCS	1	1/13/2009	15:14
		0901037-1	1	1/13/2009	15:15
		0901037-2	1	1/13/2009	15:17
		0901037-3	1	1/13/2009	15:19
		0901050-1	1	1/13/2009	15:21
- Fe,Pb,Se,Th,Ti,U,V		0901050-2	1	1/13/2009	15:23
- Fe,Pb,Se,Th,Ti,U,V		0901050-2DUP	1	1/13/2009	15:25
- Fe,Pb,Se,Th,Ti,U,V		0901050-2SER	5	1/13/2009	15:27
- Fe,Pb,Se,Th,Ti,U,V		0901050-2MS	1	1/13/2009	15:29
- Fe,Pb,Se,Th,Ti,U,V		0901050-2MSD	1	1/13/2009	15:31
		CCV5	1	1/13/2009	15:32
		CCB5	1	1/13/2009	15:36
- Fe,Pb,Se,Th,Ti,U,V		0901050-3	1	1/13/2009	15:38
- Fe,Pb,Se,Th,Ti,U,V		0901050-4	1	1/13/2009	15:40
- Mn,Ti		0901050-5	1	1/13/2009	15:42
+ Na	FE-RG-24-13-398-PW-GPTF	0901040-1	100	1/13/2009	15:44
+ Na	FE-RG-13-1-398-PW-GPTF	0901040-2	100	1/13/2009	15:45
+ Na	FE-RG-13-1-398-PW-GPTF	0901040-2DUP	100	1/13/2009	15:47
+ Na	FE-RG-13-1-398-PW-GPTF	0901040-2SER	500	1/13/2009	15:49
+ Na	FE-RG-13-1-398-PW-GPTF	0901040-2MS	100	1/13/2009	15:51
+ Na	FE-RG-13-1-398-PW-GPTF	0901040-2MSD	100	1/13/2009	15:53
+ Na	FE-RG-12-4-398-PW-GPTF	0901040-3	100	1/13/2009	15:55
		CCV6	1	1/13/2009	15:57
		CCB6	1	1/13/2009	15:59
	FE-RG-31-8-398-PW-GPTF	0901040-4	10	1/13/2009	16:01
+ Na	FE-RG-24-20-398-PW-GPTF	0901040-5	100	1/13/2009	16:03
+ Fe,Pb,Se,Th,Ti,U,V		0901050-2	2	1/13/2009	16:05
+ Fe,Pb,Se,Th,Ti,U,V		0901050-2DUP	2	1/13/2009	16:07
+ Fe,Pb,Se,Th,Ti,U,V		0901050-2SER	10	1/13/2009	16:09
+ Fe,Pb,Se,Th,Ti,U,V		0901050-2MS	2	1/13/2009	16:10
+ Fe,Pb,Se,Th,Ti,U,V		0901050-2MSD	2	1/13/2009	16:12
+ Fe,Pb,Se,Th,Ti,U,V		0901050-3	2	1/13/2009	16:14
+ Fe,Pb,Se,Th,Ti,U,V		0901050-4	2	1/13/2009	16:16
+ Mn,Ti		0901050-5	3	1/13/2009	16:18

Data Package ID: IT0901040-1

ICPTrace2 Run Log -- 1/13/2009

Instrument ID: ICPTrace2

File Name: 090113A.

AnalRunID: IT090113-2A1

CalibRefID: IT090113-2A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		CCV7	1	1/13/2009	16:20
		CCB7	1	1/13/2009	16:22
- Fe,Pb,Se,Th,Tl,U,V		0901050-2A	1	1/13/2009	16:24
		CRI2	1	1/13/2009	16:26
		ICSA2	1	1/13/2009	16:28
		ICSAB2	1	1/13/2009	16:30
		CCV8	1	1/13/2009	16:32
		CCB8	1	1/13/2009	16:34

Data Package ID: IT0901040-1

ICPMS Metals

Method SW6020A

Method Blank

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: IP090112-2MB

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 12-Jan-09

Date Analyzed: 13-Jan-09

Prep Batch: IP090112-2

QCBatchID: IP090112-2-2

Run ID: IM090113-1A5

Cleanup: NONE

Basis: N/A

File Name: 13JAN08A

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7440-38-2	ARSENIC	10	2	2	0.11	U	
7440-43-9	CADMIUM	10	0.3	0.3	0.042	U	
7439-92-1	LEAD	10	0.5	0.5	0.045	U	
7439-96-5	MANGANESE	10	0.59	2	0.21	B	
7782-49-2	SELENIUM	10	0.23	1	0.11	B	
7440-61-1	URANIUM	10	0.023	0.1	0.0074	B	

Data Package ID: im0901040-1

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

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ICPMS Metals

Method SW6020A

Laboratory Control Sample

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: IM090112-2LCS

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 01/12/2009

Date Analyzed: 01/13/2009

Prep Method: SW3005A

Prep Batch: IP090112-2

QCBatchID: IP090112-2-2

Run ID: IM090113-1A5

Cleanup: NONE

Basis: N/A

File Name: 13JAN08A

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7440-38-2	ARSENIC	40	39	2		97	80 - 120%
7440-43-9	CADMIUM	20	20.4	0.3		102	80 - 120%
7439-92-1	LEAD	100	100	0.5		100	80 - 120%
7439-96-5	MANGANESE	100	100	2		100	80 - 120%
7782-49-2	SELENIUM	40	39.7	1		99	80 - 120%
7440-61-1	URANIUM	20	20	0.1		100	80 - 120%

Data Package ID: *im0901040-1*

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

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ICPMS Metals

Method SW6020A

Matrix Spike And Matrix Spike Duplicate

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-13-1-398-PW-G

LabID: 0901040-2MS

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 07-Jan-09

Date Extracted: 12-Jan-09

Date Analyzed: 13-Jan-09

Prep Method: SW3005 Rev A

Prep Batch: IP090112-2

QCBatchID: IP090112-2-2

Run ID: IM090113-1A5

Cleanup: NONE

Basis: As Received

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: UG/L

File Name: 13JAN08A

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
7440-38-2	ARSENIC	1.2	B	39.4		2	40	95	75 - 125%
7440-43-9	CADMIUM	0.099	B	16.8		0.3	20	84	75 - 125%
7439-92-1	LEAD	0.075	B	101		0.5	100	101	75 - 125%
7439-96-5	MANGANESE	990		1070		20	100	77	75 - 125%
7782-49-2	SELENIUM	0.23	B	36.4		1	40	90	75 - 125%
7440-61-1	URANIUM	0.028	B	21.9		0.1	20	109	75 - 125%

Field ID: FE-RG-13-1-398-PW-G

LabID: 0901040-2MSD

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 07-Jan-09

Date Extracted: 12-Jan-09

Date Analyzed: 13-Jan-09

Prep Method: SW3005 Rev A

Prep Batch: IP090112-2

QCBatchID: IP090112-2-2

Run ID: IM090113-1A5

Cleanup: NONE

Basis: As Received

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: UG/L

File Name: 13JAN08A

CASNO	Target Analyte	MSD Result	MSD Qual	Spike Added	MSD % Rec.	Reporting Limit	RPD Limit	RPD
7440-38-2	ARSENIC	39.9		40	97	2	20	1
7440-43-9	CADMIUM	17.7		20	88	0.3	20	5
7439-92-1	LEAD	106		100	106	0.5	20	4
7439-96-5	MANGANESE	1090		100	100	20	20	2
7782-49-2	SELENIUM	36.7		40	91	1	20	1
7440-61-1	URANIUM	23		20	115	0.1	20	5

Data Package ID: *im0901040-1*

Date Printed: Monday, January 19, 2009

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ICPMS Metals

Method SW6020

Duplicate Sample Results

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-13-1-398-PW-G

Lab ID: 0901040-2D

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 01/07/2009

Date Extracted: 01/12/2009

Date Analyzed: 01/13/2009

Prep Batch: IP090112-2

QCBatchID: IP090112-2-2

Run ID: IM090113-1A5

Cleanup: NONE

Basis: As Received

File Name: 13JAN08A

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	Sample Result	Samp Qual	Duplicate Result	Dup Qual	Reporting Limit	Dilution Factor	RPD	RPD Limit
7440-38-2	ARSENIC	1.2	B	0.558	B	2	10		20
7440-43-9	CADMIUM	0.099	B	0.0845	B	0.3	10		20
7439-92-1	LEAD	0.075	B	0.0575	B	0.5	10		20
7439-96-5	MANGANESE	990		1090		20	100	9	20
7782-49-2	SELENIUM	0.23	B	0.313	B	1	10		20
7440-61-1	URANIUM	0.028	B	0.0266	B	0.1	10		20

Data Package ID: im0901040-1

Date Printed: Monday, January 19, 2009

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ICPMS Metals

Method SW6020

Serial Dilution

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-13-1-398-PW-G

Lab ID: 0901040-2L

Run ID: IM090113-1A5

Date Analyzed: 13-Jan-09

Result Units: ug/l

CASNO	Target Analyte	Sample Result	Samp Qual	SD Result	SD Qual	EPA Qualifier	%D
7440-38-2	ARSENIC	0.125	B	0.0860	U		
7440-43-9	CADMIUM	0.00995	B	0.0248	B		
7439-92-1	LEAD	0.00747	B	0.00810	U		
7439-96-5	MANGANESE	9.91		9.94			0
7782-49-2	SELENIUM	0.0228	B	0.0788	B		
7440-61-1	URANIUM	0.00284	B	0.0117	B		

Data Package ID: *im0901040-1*

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Prep Batch ID: IP090112-2

Start Date: 01/12/09

End Date: 01/12/09

Concentration Method: NONE

Batch Created By: plm

Start Time: 11:45

End Time: 17:15

Extract Method: SW3005A

Date Created: 01/12/09

Prep Analyst: Preston Mathiesen

Initial Volume Units: g

Time Created: 12:02

Comments:

Final Volume Units: g

Validated By: plm

Date Validated: 01/12/09

Time Validated: 20:10

QC Batch ID: IP090112-2-2

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
IP090112-2	MB	XXXXXX	WATER	XXXXXX	50	50	NONE	1	0901040
IM090112-2	LCS	XXXXXX	WATER	XXXXXX	50	50	NONE	1	0901040
0901040-2	MS	FE-RG-13-1-398-PW-	WATER	1/7/2009	50	50	NONE	1	0901040
0901040-2	MSD	FE-RG-13-1-398-PW-	WATER	1/7/2009	50	50	NONE	1	0901040
0901040-2	DUP	FE-RG-13-1-398-PW-	WATER	1/7/2009	50	50	NONE	1	0901040
0901040-1	SMP	FE-RG-24-13-398-PW	WATER	1/7/2009	50	50	NONE	1	0901040
0901040-2	SMP	FE-RG-13-1-398-PW-	WATER	1/7/2009	50	50	NONE	1	0901040
0901040-3	SMP	FE-RG-12-4-398-PW-	WATER	1/7/2009	50	50	NONE	1	0901040
0901040-4	SMP	FE-RG-31-8-398-PW-	WATER	1/7/2009	50	50	NONE	1	0901040
0901040-5	SMP	FE-RG-24-20-398-PW	WATER	1/7/2009	50	50	NONE	1	0901040

QC Types

CAR	Carrier reference sample	DUP	Laboratory Duplicate
LCS	Laboratory Control Sample	LCSD	Laboratory Control Sample Duplicat
MB	Method Blank	MS	Laboratory Matrix Spike
MSD	Laboratory Matrix Spike Duplicate	REP	Sample replicate
SMP	Field Sample	SYS	Sample Yield Spike

ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: ICV

QC Type: Initial Calibration

File Name: 13JAN08A

Run ID: IM090113-1A5

Date Analyzed: 01/13/2009

Time Analyzed: 11:52

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.005	0.00525	0.0002		105	90 - 110%
7440-43-9	CADMIUM	0.0025	0.00255	0.00003		102	90 - 110%
7439-92-1	LEAD	0.0125	0.0131	0.00005		105	90 - 110%
7439-96-5	MANGANESE	0.0125	0.0126	0.0002		101	90 - 110%
7782-49-2	SELENIUM	0.005	0.00511	0.0001		102	90 - 110%
7440-61-1	URANIUM	0.0025	0.0026	0.00001		104	90 - 110%

Data Package ID: *im0901040-1*

Date Printed: Monday, January 19, 2009

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ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV1

QC Type: Continuing Calibration

File Name: 13JAN08A

Run ID: IM090113-1A5

Date Analyzed: 01/13/2009

Time Analyzed: 12:35

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.004	0.00395	0.0002		99	90 - 110%
7440-43-9	CADMIUM	0.002	0.00204	0.00003		102	90 - 110%
7439-92-1	LEAD	0.01	0.01	0.00005		100	90 - 110%
7439-96-5	MANGANESE	0.01	0.00989	0.0002		99	90 - 110%
7782-49-2	SELENIUM	0.004	0.00397	0.0001		99	90 - 110%
7440-61-1	URANIUM	0.002	0.00202	0.00001		101	90 - 110%

Data Package ID: *im0901040-1*

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ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV2

QC Type: Continuing Calibration

File Name: 13JAN08A

Run ID: IM090113-1A5

Date Analyzed: 01/13/2009

Time Analyzed: 13:20

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.004	0.00403	0.0002		101	90 - 110%
7440-43-9	CADMIUM	0.002	0.002	0.00003		100	90 - 110%
7439-92-1	LEAD	0.01	0.0101	0.00005		101	90 - 110%
7439-96-5	MANGANESE	0.01	0.00988	0.0002		99	90 - 110%
7782-49-2	SELENIUM	0.004	0.00405	0.0001		101	90 - 110%
7440-61-1	URANIUM	0.002	0.00203	0.00001		101	90 - 110%

Data Package ID: *im0901040-1*

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ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV3

QC Type: Continuing Calibration

File Name: 13JAN08A

Run ID: IM090113-1A5

Date Analyzed: 01/13/2009

Time Analyzed: 14:01

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.004	0.00406	0.0002		101	90 - 110%
7440-43-9	CADMIUM	0.002	0.00202	0.00003		101	90 - 110%
7439-92-1	LEAD	0.01	0.0101	0.00005		101	90 - 110%
7439-96-5	MANGANESE	0.01	0.00982	0.0002		98	90 - 110%
7782-49-2	SELENIUM	0.004	0.00374	0.0001		93	90 - 110%
7440-61-1	URANIUM	0.002	0.00205	0.00001		103	90 - 110%

Data Package ID: *im0901040-1*

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ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV4

QC Type: Continuing Calibration

File Name: 13JAN08A

Run ID: IM090113-1A5

Date Analyzed: 01/13/2009

Time Analyzed: 14:39

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.004	0.00397	0.0002		99	90 - 110%
7440-43-9	CADMIUM	0.002	0.00202	0.00003		101	90 - 110%
7439-92-1	LEAD	0.01	0.01	0.00005		100	90 - 110%
7439-96-5	MANGANESE	0.01	0.00987	0.0002		99	90 - 110%
7782-49-2	SELENIUM	0.004	0.00391	0.0001		98	90 - 110%
7440-61-1	URANIUM	0.002	0.00201	0.00001		101	90 - 110%

Data Package ID: *im0901040-1*

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ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV5

QC Type: Continuing Calibration

File Name: 13JAN08A

Run ID: IM090113-1A5

Date Analyzed: 01/13/2009

Time Analyzed: 15:17

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.004	0.00391	0.0002		98	90 - 110%
7440-43-9	CADMIUM	0.002	0.00204	0.00003		102	90 - 110%
7439-92-1	LEAD	0.01	0.0101	0.00005		101	90 - 110%
7439-96-5	MANGANESE	0.01	0.00993	0.0002		99	90 - 110%
7782-49-2	SELENIUM	0.004	0.00389	0.0001		97	90 - 110%
7440-61-1	URANIUM	0.002	0.00206	0.00001		103	90 - 110%

Data Package ID: *im0901040-1*

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Method SW6020

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV6

QC Type: Continuing Calibration

File Name: 13JAN08A

Run ID: IM090113-1A5

Date Analyzed: 01/13/2009

Time Analyzed: 16:07

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.004	0.00409	0.0002		102	90 - 110%
7440-43-9	CADMIUM	0.002	0.00203	0.00003		101	90 - 110%
7439-92-1	LEAD	0.01	0.0101	0.00005		101	90 - 110%
7439-96-5	MANGANESE	0.01	0.0099	0.0002		99	90 - 110%
7782-49-2	SELENIUM	0.004	0.00399	0.0001		100	90 - 110%
7440-61-1	URANIUM	0.002	0.00202	0.00001		101	90 - 110%

Data Package ID: *im0901040-1*

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ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV7

QC Type: Continuing Calibration

File Name: 13JAN08A

Run ID: IM090113-1A5

Date Analyzed: 01/13/2009

Time Analyzed: 16:56

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.004	0.00406	0.0002		102	90 - 110%
7440-43-9	CADMIUM	0.002	0.00199	0.00003		99	90 - 110%
7439-92-1	LEAD	0.01	0.01	0.00005		100	90 - 110%
7439-96-5	MANGANESE	0.01	0.01	0.0002		100	90 - 110%
7782-49-2	SELENIUM	0.004	0.00405	0.0001		101	90 - 110%
7440-61-1	URANIUM	0.002	0.00202	0.00001		101	90 - 110%

Data Package ID: *im0901040-1*

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ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV8

QC Type: Continuing Calibration

File Name: 13JAN08A

Run ID: IM090113-1A5

Date Analyzed: 01/13/2009

Time Analyzed: 17:33

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.004	0.00408	0.0002		102	90 - 110%
7440-43-9	CADMIUM	0.002	0.00202	0.00003		101	90 - 110%
7439-92-1	LEAD	0.01	0.0102	0.00005		102	90 - 110%
7439-96-5	MANGANESE	0.01	0.01	0.0002		100	90 - 110%
7782-49-2	SELENIUM	0.004	0.00367	0.0001		92	90 - 110%
7440-61-1	URANIUM	0.002	0.00205	0.00001		102	90 - 110%

Data Package ID: *im0901040-1*

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ICPMS Metals

Method SW6020 Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: ICB

QC Type: Initial Calibration

Run ID: IM090113-1A5

Date Analyzed: 01/13/2009

Time Analyzed: 11:59:00 AM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.0002	0.0002	U
7440-43-9	CADMIUM	0.0000029	0.00003	B
7439-92-1	LEAD	0.00005	0.00005	U
7439-96-5	MANGANESE	0.0002	0.0002	U
7782-49-2	SELENIUM	0.0000234	0.0001	B
7440-61-1	URANIUM	3.17E-06	0.00001	B

Data Package ID: *im0901040-1*

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ICPMS Metals

Method SW6020

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB1

QC Type: Continuing Calibration

Run ID: IM090113-1A5

Date Analyzed: 01/13/2009

Time Analyzed: 12:38:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.0002	0.0002	U
7440-43-9	CADMIUM	3.39E-06	0.00003	B
7439-92-1	LEAD	0.00005	0.00005	U
7439-96-5	MANGANESE	0.0002	0.0002	U
7782-49-2	SELENIUM	0.000023	0.0001	B
7440-61-1	URANIUM	0.0000029	0.00001	B

Data Package ID: *im0901040-1*

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Method SW6020

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB2

QC Type: Continuing Calibration

Run ID: IM090113-1A5

Date Analyzed: 01/13/2009

Time Analyzed: 1:23:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.0002	0.0002	U
7440-43-9	CADMIUM	2.68E-06	0.00003	B
7439-92-1	LEAD	0.00005	0.00005	U
7439-96-5	MANGANESE	0.0002	0.0002	U
7782-49-2	SELENIUM	0.000024	0.0001	B
7440-61-1	URANIUM	2.81E-06	0.00001	B

Data Package ID: *im0901040-1*

Date Printed: Monday, January 19, 2009

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ICPMS Metals

Method SW6020 Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB3

QC Type: Continuing Calibration

Run ID: IM090113-1A5

Date Analyzed: 01/13/2009

Time Analyzed: 2:04:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.0002	0.0002	U
7440-43-9	CADMIUM	3.12E-06	0.00003	B
7439-92-1	LEAD	0.00005	0.00005	U
7439-96-5	MANGANESE	0.0002	0.0002	U
7782-49-2	SELENIUM	0.0000169	0.0001	B
7440-61-1	URANIUM	0.000003	0.00001	B

Data Package ID: *im0901040-1*

Date Printed: Monday, January 19, 2009

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ICPMS Metals

Method SW6020 Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB4

QC Type: Continuing Calibration

Run ID: IM090113-1A5

Date Analyzed: 01/13/2009

Time Analyzed: 2:42:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.0002	0.0002	U
7440-43-9	CADMIUM	3.69E-06	0.00003	B
7439-92-1	LEAD	0.00005	0.00005	U
7439-96-5	MANGANESE	0.0002	0.0002	U
7782-49-2	SELENIUM	0.0000124	0.0001	B
7440-61-1	URANIUM	0.0000033	0.00001	B

Data Package ID: *im0901040-1*

Date Printed: Monday, January 19, 2009

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ICPMS Metals

Method SW6020 Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB5

QC Type: Continuing Calibration

Run ID: IM090113-1A5

Date Analyzed: 01/13/2009

Time Analyzed: 3:20:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.0002	0.0002	U
7440-43-9	CADMIUM	4.29E-06	0.00003	B
7439-92-1	LEAD	0.00005	0.00005	U
7439-96-5	MANGANESE	0.0002	0.0002	U
7782-49-2	SELENIUM	0.0000228	0.0001	B
7440-61-1	URANIUM	3.25E-06	0.00001	B

Data Package ID: *im0901040-1*

Date Printed: Monday, January 19, 2009

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ICPMS Metals

Method SW6020 Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB6

QC Type: Continuing Calibration

Run ID: IM090113-1A5

Date Analyzed: 01/13/2009

Time Analyzed: 4:10:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.0002	0.0002	U
7440-43-9	CADMIUM	3.42E-06	0.00003	B
7439-92-1	LEAD	2.07E-06	0.00005	B
7439-96-5	MANGANESE	0.0002	0.0002	U
7782-49-2	SELENIUM	0.0000213	0.0001	B
7440-61-1	URANIUM	3.66E-06	0.00001	B

Data Package ID: *im0901040-1*

Date Printed: Monday, January 19, 2009

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ICPMS Metals

Method SW6020 Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB7

QC Type: Continuing Calibration

Run ID: IM090113-1A5

Date Analyzed: 01/13/2009

Time Analyzed: 5:01:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.0000368	0.0002	B
7440-43-9	CADMIUM	3.36E-06	0.00003	B
7439-92-1	LEAD	2.46E-06	0.00005	B
7439-96-5	MANGANESE	7.25E-06	0.0002	B
7782-49-2	SELENIUM	0.0000161	0.0001	B
7440-61-1	URANIUM	3.61E-06	0.00001	B

Data Package ID: *im0901040-1*

Date Printed: Monday, January 19, 2009

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ICPMS Metals

Method SW6020 Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB8

QC Type: Continuing Calibration

Run ID: IM090113-1A5

Date Analyzed: 01/13/2009

Time Analyzed: 5:38:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.0002	0.0002	U
7440-43-9	CADMIUM	3.65E-06	0.00003	B
7439-92-1	LEAD	0.0000028	0.00005	B
7439-96-5	MANGANESE	0.0000113	0.0002	B
7782-49-2	SELENIUM	0.0000242	0.0001	B
7440-61-1	URANIUM	3.86E-06	0.00001	B

Data Package ID: *im0901040-1*

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

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ICPMS Metals

Method SW6020

ICP Interference Check Sample

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Run ID: IM090113-1A5

Date Analyzed: 01/13/2009

Result Units: MG/L

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA1	ICSAB1	ICSA1	ICSAB1	
7440-43-9	CADMIUM		0.002		0.00198	99
7439-92-1	LEAD		0.01		0.01020	102
7439-96-5	MANGANESE		0.01		0.0111	111
7440-61-1	URANIUM		0.002		0.00212	106

Data Package ID: *im0901040-1*

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

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ICPMS Metals

Method SW6020

ICP Interference Check Sample

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Run ID: IM090113-1A5

Date Analyzed: 01/13/2009

Result Units: MG/L

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA2	ICSAB2	ICSA2	ICSAB2	
7440-38-2	ARSENIC		0.004		0.00403	101
7782-49-2	SELENIUM		0.004		0.00405	101

Data Package ID: *im0901040-1*

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

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Metals Linear Ranges

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Instrument ID: ICPMS

Active Date: 11/03/2008

Expiration Date: 01/15/2009

CASNO	Target Analyte	Concentration (ppm)
7440-38-2	ARSENIC	0.02
7440-43-9	CADMIUM	0.01
7439-92-1	LEAD	0.05
7439-96-5	MANGANESE	0.05
7782-49-2	SELENIUM	0.02
7440-61-1	URANIUM	0.01

ICPMS Run Log -- 1/13/2009

Instrument ID: ICPMS

File Name: 13JAN08A

AnalRunID: IM090113-1A1

CalibRefID: IM090113-1A1

Start Date: 1/13/2009

End Date: 1/13/2009

Lab ID	DF	Time	A G	A S	C A	I N	L E	M N	S B	S E	T L	U R	A G	A G	A G	A G	A G	A G	A G	A G	A G
L/100 STDUP		11:22	X	X	X	X	X	X	X	X	X	X									
LOW/2 STDUP		11:31	X	X	X	X	X	X	X	X	X	X									
HIGH/2 STDUP		11:41	X	X	X	X	X	X	X	X	X	X									
HIGH STDUP		11:48	X	X	X	X	X	X	X	X	X	X									
ICV	1	11:52	X	X	X	X	X	X	X	X	X	X									
ICB	1	11:59	X	X	X	X	X	X	X	X	X	X									
CRI1	1	12:02	X	X	X	X	X	X	X	X	X	X									
CR2	1	12:05	X	X	X	X	X	X	X	X	X										
ICSA1	1	12:08	X		X	X	X	X	X		X	X									
ICSAB1	1	12:12	X		X	X	X	X	X		X	X									
IP090109-2MB	10	12:15	X		X	X	X	X	X		X	X									
IM090109-2LCS	10	12:19	X		X	X	X	X	X		X	X									
0901019-2	10	12:22	X	X	X	X	X	X	X	X	X	X									
0901019-2DUP	10	12:25	X	X	X	X	X	X	X	X	X	X									
0901019-2SER	50	12:28	X	X	X	X	X	X	X	X	X	X									
0901019-2MS	10	12:31	X	X	X	X	X	X	X	X	X	X									
CCV1	1	12:35	X	X	X	X	X	X	X	X	X	X									
CCB1	1	12:38	X	X	X	X	X	X	X	X	X	X									
0901019-2MSD	10	12:41	X	X	X	X	X	X	X	X	X	X									
0901017-1	10	12:44	X		X	X	X	X	X		X	X									
0901017-2	10	12:49	X		X	X	X	X	X		X	X									
0901021-4	10	12:52	X		X	X	X	X	X		X	X									
0901021-11	10	12:55	X		X	X	X	X	X	X	X	X									
0901021-17	10	12:58	X		X	X	X	X	X	X	X	X									
0901021-24	10	13:01	X		X	X	X	X	X	X	X	X									

Data Package ID: im0901040-1

ICPMS Run Log -- 1/13/2009

Instrument ID:	ICPMS	Start Date:	1/13/2009
File Name:	13JAN08A	End Date:	1/13/2009
AnalRunID:	IM090113-1A1		
CalibRefID:	IM090113-1A1		

Lab ID	DF	Time	A G S	A C A	I N	L E	M N	S B	S E	T L	U R	A G G	A G G	A G G	A G G	A G G	A G G	A G G	A G G
0901030-4	10	13:04	X	X	X	X	X	X	X	X	X								
IP090112-2MB	10	13:14	X	X	X	X	X	X		X	X								
IM090112-2LCS	10	13:17	X	X	X	X	X	X		X	X								
CCV2	1	13:20	X	X	X	X	X	X	X	X	X								
CCB2	1	13:23	X	X	X	X	X	X	X	X	X								
0901040-1	10	13:26	X	X	X	X	X	X		X	X								
0901040-2	10	13:29	X	X	X	X		X		X	X								
0901040-2DUP	10	13:32	X	X	X	X		X		X	X								
0901040-2SER	50	13:35	X	X	X	X		X		X	X								
0901040-2MS	10	13:39	X	X	X	X		X		X	X								
0901040-2MSD	10	13:42	X	X	X	X		X		X	X								
0901040-3	10	13:45	X	X	X	X	X	X		X	X								
0901040-4	10	13:48	X	X	X	X	X	X		X	X								
0901040-5	10	13:51	X	X	X	X	X	X		X	X								
IP090109-4MB	10	13:54	X	X	X	X	X	X		X	X								
CCV3	1	14:01	X	X	X	X	X	X	X	X	X								
CCB3	1	14:04	X	X	X	X	X	X	X	X	X								
IM090109-4LCS	10	14:07	X	X	X	X	X	X		X	X								
0901042-3	10	14:11	X	X	X	X	X	X		X	X								
0901042-3DUP	10	14:14	X	X	X	X	X	X		X	X								
0901042-3SER	50	14:17	X	X	X	X	X	X		X	X								
0901042-3MS	10	14:20	X	X	X	X	X	X		X	X								
0901042-3MSD	10	14:23	X	X	X	X	X	X		X	X								
0901042-4	10	14:26	X	X	X	X	X	X		X	X								
0901042-9	10	14:30	X	X	X	X	X	X		X	X								

Data Package ID: im0901040-1

ICPMS Run Log -- 1/13/2009

Instrument ID:	ICPMS	Start Date:	1/13/2009
File Name:	13JAN08A	End Date:	1/13/2009
AnalRunID:	IM090113-1A1		
CalibRefID:	IM090113-1A1		

[illegible]

Data Package ID: im0901040-1

ICPMS Run Log -- 1/13/2009

Instrument ID:	ICPMS	Start Date:	1/13/2009
File Name:	13JAN08A	End Date:	1/13/2009
AnalRunID:	IM090113-1A1		
CalibRefID:	IM090113-1A1		

[illegible]

Data Package ID: im0901040-1

ICPMS Run Log -- 1/13/2009

Instrument ID: ICPMS

File Name: 13JAN08A

AnalRunID: IM090113-1A1

CalibRefID: IM090113-1A1

Start Date: 1/13/2009

End Date: 1/13/2009

Lab ID	DF	Time	A G	A S	C A	I N	L E	M N	S B	S E	T L	U R	A A	A A	A A	A A	A A	A A	A A	A A	A A
0901050-2DUP	10	17:54	X		X	X	X	X	X		X	X									
0901050-2SER	50	17:57	X		X	X	X	X	X		X	X									
0901050-2MS	10	18:02	X		X	X	X	X	X		X										
0901050-2MSD	10	18:05	X		X	X	X	X	X		X	X									
0901050-2A	10	18:08	X		X	X	X	X	X		X	X									
0901050-3	10	18:11	X		X	X	X	X	X		X	X									
CCV9	1	18:16	X	X	X	X	X	X	X	X	X	X									
CCB9	1	18:24	X	X	X	X	X	X	X	X	X	X									
0901050-4	10	18:28	X		X	X	X	X	X		X	X									
0901050-5	10	18:31	X		X	X	X	X	X		X	X									
IP090112-3MB	10	18:34	X		X	X	X	X	X		X	X									
IP090112-3LCS	10	18:39	X		X	X	X	X	X		X	X									
IP090112-3LCSD	10	18:42	X		X	X	X	X	X		X	X									
0901033-1	10	18:45	X		X	X	X	X	X		X	X									
0901033-1SER	50	18:49	X		X	X	X	X	X		X	X									
0901033-1A	10	18:52	X		X	X	X	X	X		X	X									
0901033-2	10	18:55	X		X	X	X	X	X		X	X									
0901033-3	200	18:58	X		X	X	X	X	X		X	X									
CCV10	1	19:01	X	X	X	X	X	X	X	X	X	X									
CCB10	1	19:06	X	X	X	X	X	X	X	X	X	X									
0901033-4	50	19:10	X		X	X	X	X	X		X	X									
0901033-5	10	19:13	X		X	X	X	X	X		X	X									
0901033-6	10	19:16	X		X	X	X	X	X		X	X									
0901033-7	10	19:19	X		X	X	X	X	X		X	X									
0901033-8	50	19:22	X		X	X	X	X	X		X	X									

Data Package ID: im0901040-1

ICPMS Run Log -- 1/13/2009

Instrument ID:	ICPMS	Start Date:	1/13/2009
File Name:	13JAN08A	End Date:	1/13/2009
AnalRunID:	IM090113-1A1		
CalibRefID:	IM090113-1A1		

[illegible]

Data Package ID: im0901040-1

ICPMS Run Log -- 1/13/2009

Instrument ID: ICPMS

File Name: 13JAN08A

AnalRunID: IM090113-1A1

CalibRefID: IM090113-1A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		0		1/13/2009	11:19
		L/100 STDUP		1/13/2009	11:22
		L/20		1/13/2009	11:25
		L/10		1/13/2009	11:28
		LOW/2 STDUP		1/13/2009	11:31
		LOW		1/13/2009	11:34
		MID		1/13/2009	11:37
		HIGH/2 STDUP		1/13/2009	11:41
		HIGH		1/13/2009	11:44
		HIGH STDUP		1/13/2009	11:48
		ICV	1	1/13/2009	11:52
		ICB	1	1/13/2009	11:59
		CRI1	1	1/13/2009	12:02
- Uranium		CRI2	1	1/13/2009	12:05
- As,Se		ICSA1	1	1/13/2009	12:08
- As,Se		ICSAB1	1	1/13/2009	12:12
- As,Se		IP090109-2MB	10	1/13/2009	12:15
- As,Se		IM090109-2LCS	10	1/13/2009	12:19
		0901019-2	10	1/13/2009	12:22
		0901019-2DUP	10	1/13/2009	12:25
		0901019-2SER	50	1/13/2009	12:28
		0901019-2MS	10	1/13/2009	12:31
		CCV1	1	1/13/2009	12:35
		CCB1	1	1/13/2009	12:38
		0901019-2MSD	10	1/13/2009	12:41
- As,Se		0901017-1	10	1/13/2009	12:44
- As,Se		0901017-2	10	1/13/2009	12:49
- As,Se		0901021-4	10	1/13/2009	12:52
- As		0901021-11	10	1/13/2009	12:55
- As		0901021-17	10	1/13/2009	12:58
- As		0901021-24	10	1/13/2009	13:01
- As		0901030-4	10	1/13/2009	13:04
- As,Se		IP090112-2MB	10	1/13/2009	13:14
- As,Se		IM090112-2LCS	10	1/13/2009	13:17
		CCV2	1	1/13/2009	13:20

Data Package ID: IM0901040-1

ICPMS Run Log -- 1/13/2009

Instrument ID: ICPMS

File Name: 13JAN08A

AnalRunID: IM090113-1A1

CalibRefID: IM090113-1A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		CCB2	1	1/13/2009	13:23
- As,Se	FE-RG-24-13-398-PW-GPTF	0901040-1	10	1/13/2009	13:26
- As,Mn,Se	FE-RG-13-1-398-PW-GPTF	0901040-2	10	1/13/2009	13:29
- As,Mn,Se	FE-RG-13-1-398-PW-GPTF	0901040-2DUP	10	1/13/2009	13:32
- As,Mn,Se	FE-RG-13-1-398-PW-GPTF	0901040-2SER	50	1/13/2009	13:35
- As,Mn,Se	FE-RG-13-1-398-PW-GPTF	0901040-2MS	10	1/13/2009	13:39
- As,Mn,Se	FE-RG-13-1-398-PW-GPTF	0901040-2MSD	10	1/13/2009	13:42
- As,Se	FE-RG-12-4-398-PW-GPTF	0901040-3	10	1/13/2009	13:45
- As,Se	FE-RG-31-8-398-PW-GPTF	0901040-4	10	1/13/2009	13:48
- As,Se	FE-RG-24-20-398-PW-GPTF	0901040-5	10	1/13/2009	13:51
- As,Se		IP090109-4MB	10	1/13/2009	13:54
		CCV3	1	1/13/2009	14:01
		CCB3	1	1/13/2009	14:04
- As,Se		IM090109-4LCS	10	1/13/2009	14:07
- As,Se		0901042-3	10	1/13/2009	14:11
- As,Se		0901042-3DUP	10	1/13/2009	14:14
- As,Se		0901042-3SER	50	1/13/2009	14:17
- As,Se		0901042-3MS	10	1/13/2009	14:20
- As,Se		0901042-3MSD	10	1/13/2009	14:23
- As,Se		0901042-4	10	1/13/2009	14:26
- As,Se		0901042-9	10	1/13/2009	14:30
- As,Se		0901042-10	10	1/13/2009	14:33
- As,Se		0901007-1	10	1/13/2009	14:36
		CCV4	1	1/13/2009	14:39
		CCB4	1	1/13/2009	14:42
- As,Se		0901020-2	10	1/13/2009	14:45
- As,Se		0901020-3	10	1/13/2009	14:48
		ZZZZZZ	1	1/13/2009	14:51
- As,Se		0901031-4	10	1/13/2009	14:55
- As,Se		0901031-6	10	1/13/2009	14:58
		ZZZZZZ	1	1/13/2009	15:01
		ZZZZZZ	1	1/13/2009	15:04
- As,Se		0901046-4	10	1/13/2009	15:07
- As,Se		0901046-6	10	1/13/2009	15:10
- As,Se		0901046-8	10	1/13/2009	15:14

Data Package ID: IM0901040-1

ICPMS Run Log -- 1/13/2009

Instrument ID: ICPMS

File Name: 13JAN08A

AnalRunID: IM090113-1A1

CalibRefID: IM090113-1A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		CCV5	1	1/13/2009	15:17
		CCB5	1	1/13/2009	15:20
		ZZZZZZ	1	1/13/2009	15:23
- As,Se		0901031-2	10	1/13/2009	15:37
- As,Se		0901046-2	10	1/13/2009	15:40
- As,Se		0901044-1	100	1/13/2009	15:43
- As,Se		0901046-10	100	1/13/2009	15:46
Ag,As,Cadmiu,Lead,Sb,Se,Ti,Uranu	FE-RG-13-1-398-PW-GPTF	0901040-2	100	1/13/2009	15:51
Ag,As,Cadmiu,Lead,Sb,Se,Ti,Uranu	FE-RG-13-1-398-PW-GPTF	0901040-2DUP	100	1/13/2009	15:54
Ag,As,Cadmiu,Lead,Sb,Se,Ti,Uranu	FE-RG-13-1-398-PW-GPTF	0901040-2SER	500	1/13/2009	15:57
Ag,As,Cadmiu,Lead,Sb,Se,Ti,Uranu	FE-RG-13-1-398-PW-GPTF	0901040-2MS	100	1/13/2009	16:00
Ag,As,Cadmiu,Lead,Sb,Se,Ti,Uranu	FE-RG-13-1-398-PW-GPTF	0901040-2MSD	100	1/13/2009	16:04
		CCV6	1	1/13/2009	16:07
		CCB6	1	1/13/2009	16:10
Ag,Cadmiu,Lead,Mn,Sb,Ti,Uranu		ICSA2	1	1/13/2009	16:26
Ag,Cadmiu,Lead,Mn,Sb,Ti,Uranu		ICSAB2	1	1/13/2009	16:29
Ag,Cadmiu,Lead,Mn,Sb,Ti,Uranu		IP090109-2MB	10	1/13/2009	16:32
Ag,Cadmiu,Lead,Mn,Sb,Ti,Uranu		IM090109-2LCS	10	1/13/2009	16:35
Ag,Cadmiu,Lead,Mn,Sb,Ti,Uranu		0901021-4	10	1/13/2009	16:38
Ag,Cadmiu,Lead,Mn,Sb,Ti,Uranu		0901017-1	10	1/13/2009	16:41
Ag,Cadmiu,Lead,Mn,Sb,Ti,Uranu		0901017-2	10	1/13/2009	16:44
Ag,Cadmiu,Lead,Mn,Sb,Ti,Uranu		IP090112-2MB	10	1/13/2009	16:50
Ag,Cadmiu,Lead,Mn,Sb,Ti,Uranu		IM090112-2LCS	10	1/13/2009	16:53
		CCV7	1	1/13/2009	16:56
		CCB7	1	1/13/2009	17:01
Ag,Cadmiu,Lead,Mn,Sb,Ti,Uranu	FE-RG-24-13-398-PW-GPTF	0901040-1	10	1/13/2009	17:04
Ag,Cadmiu,Lead,Mn,Sb,Ti,Uranu	FE-RG-13-1-398-PW-GPTF	0901040-2	10	1/13/2009	17:08
Ag,Cadmiu,Lead,Mn,Sb,Ti,Uranu	FE-RG-13-1-398-PW-GPTF	0901040-2DUP	10	1/13/2009	17:11
Ag,Cadmiu,Lead,Mn,Sb,Ti,Uranu	FE-RG-13-1-398-PW-GPTF	0901040-2SER	10	1/13/2009	17:14
Ag,Cadmiu,Lead,Mn,Sb,Ti,Uranu	FE-RG-13-1-398-PW-GPTF	0901040-2MS	10	1/13/2009	17:17
Ag,Cadmiu,Lead,Mn,Sb,Ti,Uranu	FE-RG-13-1-398-PW-GPTF	0901040-2MSD	10	1/13/2009	17:20
Ag,Cadmiu,Lead,Mn,Sb,Ti,Uranu	FE-RG-12-4-398-PW-GPTF	0901040-3	10	1/13/2009	17:23
Ag,Cadmiu,Lead,Mn,Sb,Ti,Uranu	FE-RG-31-8-398-PW-GPTF	0901040-4	10	1/13/2009	17:26
Ag,Cadmiu,Lead,Mn,Sb,Ti,Uranu	FE-RG-24-20-398-PW-GPTF	0901040-5	10	1/13/2009	17:29
		CCV8	1	1/13/2009	17:33

Data Package ID: IM0901040-1

ICPMS Run Log -- 1/13/2009

Instrument ID: ICPMS

File Name: 13JAN08A

AnalRunID: IM090113-1A1

CalibRefID: IM090113-1A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		CCB8	1	1/13/2009	17:38
- As,Se		IP090112-5MB	10	1/13/2009	17:41
- As,Se		IM090112-5LCS	10	1/13/2009	17:44
- As,Se		0901050-1	10	1/13/2009	17:47
- As,Se		0901050-2	10	1/13/2009	17:50
- As,Se		0901050-2DUP	10	1/13/2009	17:54
- As,Se		0901050-2SER	50	1/13/2009	17:57
- As,Se		0901050-2MS	10	1/13/2009	18:02
- As,Se		0901050-2MSD	10	1/13/2009	18:05
- As,Se		0901050-2A	10	1/13/2009	18:08
- As,Se		0901050-3	10	1/13/2009	18:11
		CCV9	1	1/13/2009	18:16
		CCB9	1	1/13/2009	18:24
- As,Se		0901050-4	10	1/13/2009	18:28
- As,Se		0901050-5	10	1/13/2009	18:31
- As,Se		IP090112-3MB	10	1/13/2009	18:34
- As,Se		IP090112-3LCS	10	1/13/2009	18:39
- As,Se		IP090112-3LCSD	10	1/13/2009	18:42
- As,Se		0901033-1	10	1/13/2009	18:45
- As,Se		0901033-1SER	50	1/13/2009	18:49
- As,Se		0901033-1A	10	1/13/2009	18:52
- As,Se		0901033-2	10	1/13/2009	18:55
- As,Se		0901033-3	200	1/13/2009	18:58
		CCV10	1	1/13/2009	19:01
		CCB10	1	1/13/2009	19:06
- As,Se		0901033-4	50	1/13/2009	19:10
- As,Se		0901033-5	10	1/13/2009	19:13
- As,Se		0901033-6	10	1/13/2009	19:16
- As,Se		0901033-7	10	1/13/2009	19:19
- As,Se		0901033-8	50	1/13/2009	19:22
		CCV11	1	1/13/2009	19:25
		CCB11	1	1/13/2009	19:31

Data Package ID: IM0901040-1

Mercury

Method SW7470A

Method Blank

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: HG090115-1MB

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 15-Jan-09

Date Analyzed: 16-Jan-09

Prep Batch: HG090115-1

QCBatchID: HG090115-1-1

Run ID: HG090116-1A3

Cleanup: NONE

Basis: N/A

File Name: 09011601

Sample Aliquot: 20 g

Final Volume: 20 g

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7439-97-6	MERCURY	1	0.018	0.2	0.0081	B	

Data Package ID: hg0901040-1

Date Printed: Monday, January 19, 2009

ALS Paragon

LIMS Version: 6.234A

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Mercury

Method SW7470A

Laboratory Control Sample

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: HG090115-1LCS

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 01/15/2009

Date Analyzed: 01/16/2009

Prep Method: METHOD

Prep Batch: HG090115-1

QCBatchID: HG090115-1-1

Run ID: HG090116-1A3

Cleanup: NONE

Basis: N/A

File Name: 09011601

Sample Aliquot: 20 g

Final Volume: 20 g

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7439-97-6	MERCURY	1	0.996	0.2		100	80 - 120%

Data Package ID: hg0901040-1

Date Printed: Monday, January 19, 2009

ALS Paragon

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Prep Batch ID: HG090115-1

Start Date: 01/15/09

End Date: 01/15/09

Concentration Method: NONE

Batch Created By: skl

Start Time: 13:06

End Time: 13:06

Extract Method: METHOD

Date Created: 01/15/09

Prep Analyst: Sheri Lafferty

Initial Volume Units: g

Time Created: 13:06

Comments:

Final Volume Units: g

Validated By: skl

Date Validated: 01/16/09

Time Validated: 17:17

QC Batch ID: HG090115-1-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
HG090115-1	MB	XXXXXX	WATER	XXXXXX	20	20	NONE	1	0901082
HG090115-1	LCS	XXXXXX	WATER	XXXXXX	20	20	NONE	1	0901082
HG090115-1	LCSD	XXXXXX	WATER	XXXXXX	20	20	NONE	1	0901082
0901082-2	MS	XXXXXX	WATER	XXXXXX	20	20	NONE	1	0901082
0901082-2	MSD	XXXXXX	WATER	XXXXXX	20	20	NONE	1	0901082
0901082-2	DUP	XXXXXX	WATER	XXXXXX	20	20	NONE	1	0901082
0901040-1	SMP	FE-RG-24-13-398-PW	WATER	1/7/2009	20	20	NONE	1	0901040
0901040-2	SMP	FE-RG-13-1-398-PW-	WATER	1/7/2009	20	20	NONE	1	0901040
0901040-3	SMP	FE-RG-12-4-398-PW-	WATER	1/7/2009	20	20	NONE	1	0901040
0901040-4	SMP	FE-RG-31-8-398-PW-	WATER	1/7/2009	20	20	NONE	1	0901040
0901040-5	SMP	FE-RG-24-20-398-PW	WATER	1/7/2009	20	20	NONE	1	0901040
0901082-1	SMP	XXXXXX	WATER	XXXXXX	20	20	NONE	1	0901082
0901082-2	SMP	XXXXXX	WATER	XXXXXX	20	20	NONE	1	0901082
0901087-2	SMP	XXXXXX	WATER	XXXXXX	20	20	NONE	1	0901087
0901087-3	SMP	XXXXXX	WATER	XXXXXX	20	20	NONE	1	0901087
0901087-4	SMP	XXXXXX	WATER	XXXXXX	20	20	NONE	1	0901087

QC Types

CAR	Carrier reference sample	DUP	Laboratory Duplicate
LCS	Laboratory Control Sample	LCSD	Laboratory Control Sample Duplicat
MB	Method Blank	MS	Laboratory Matrix Spike
MSD	Laboratory Matrix Spike Duplicate	REP	Sample replicate
SMP	Field Sample	SYS	Sample Yield Spike

MERCURY
Method SW7470
Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Run ID: HG090116-1A3

Result Units: MG/L

Lab ID	Verification Type	Date Analyzed	Time Analyzed	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
ICV	Initial Calibration	1/16/2009	14:14	0.001	0.00106	0.0002	N/A	106	90 - 110
CCV1	Continuing Calibration	1/16/2009	14:33	0.002	0.00218	0.0002	N/A	109	80 - 120
CCV2	Continuing Calibration	1/16/2009	14:52	0.002	0.00221	0.0002	N/A	110	80 - 120
CCV3	Continuing Calibration	1/16/2009	15:12	0.002	0.00217	0.0002	N/A	108	80 - 120
CCV4	Continuing Calibration	1/16/2009	15:31	0.002	0.00215	0.0002	N/A	107	80 - 120
CCV5	Continuing Calibration	1/16/2009	16:02	0.002	0.00215	0.0002	N/A	107	80 - 120
CCV6	Continuing Calibration	1/16/2009	16:11	0.002	0.00216	0.0002	N/A	108	80 - 120

Data Package ID: *hg0901040-1*

Date Printed: Monday, January 19, 2009

ALS Paragon
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MERCURY
Method SW7470
Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Run ID: HG090116-1A3

Result Units: MG/L

Lab ID	Verification Type	Date Analyzed	Time Analyzed	Result	Reporting Limit	Flag
ICB	Initial Calibration	1/16/2009	14:15	0.0002	0.0002	U
CCB1	Continuing Calibration	1/16/2009	14:35	0.0002	0.0002	U
CCB2	Continuing Calibration	1/16/2009	14:54	0.0002	0.0002	U
CCB3	Continuing Calibration	1/16/2009	15:13	0.0002	0.0002	U
CCB4	Continuing Calibration	1/16/2009	15:33	0.0002	0.0002	U
CCB5	Continuing Calibration	1/16/2009	16:04	0.0002	0.0002	U
CCB6	Continuing Calibration	1/16/2009	16:12	0.0002	0.0002	U

Data Package ID: hg0901040-1

Date Printed: Monday, January 19, 2009

ALS Paragon
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Metals Linear Ranges

Lab Name: ALS Paragon

Work Order Number: 0901040

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Instrument ID: CETAC

Active Date: 11/01/2008

Expiration Date: 01/25/2009

CASNO	Target Analyte	Concentration (ppm)
7439-97-6	MERCURY	0.005

Mercury Run Log -- 1/16/2009

Instrument ID: CETAC
 File Name: 09011601
 AnalRunID: HG090116-1A1
 CalibRefID: HG090116-1A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		STD0	1	1/16/2009	14:04
		STD1	1	1/16/2009	14:06
		STD2	1	1/16/2009	14:07
		STD3	1	1/16/2009	14:09
		STD4	1	1/16/2009	14:11
		STD5	1	1/16/2009	14:12
		ICV	1	1/16/2009	14:14
		ICB	1	1/16/2009	14:15
		CRA1	1	1/16/2009	14:17
		HG090115-1MB	1	1/16/2009	14:19
		HG090115-1LCS	1	1/16/2009	14:20
		HG090115-1LCSD	1	1/16/2009	14:22
		IDL		1/16/2009	14:23
		IDL		1/16/2009	14:25
		IDL		1/16/2009	14:27
		IDL		1/16/2009	14:28
		IDL		1/16/2009	14:30
		IDL		1/16/2009	14:31
		CCV1	1	1/16/2009	14:33
		CCB1	1	1/16/2009	14:35
		IDL		1/16/2009	14:36
		0901087-2	1	1/16/2009	14:38
		0901087-3	1	1/16/2009	14:39
		0901087-4	1	1/16/2009	14:41
		0901064-2	1	1/16/2009	14:43
		0901064-2DUP	1	1/16/2009	14:44
		0901064-2L	5	1/16/2009	14:46
		0901064-2MS	1	1/16/2009	14:47
		0901064-2MSD	1	1/16/2009	14:49
		0901082-1	1	1/16/2009	14:51
		CCV2	1	1/16/2009	14:52
		CCB2	1	1/16/2009	14:54
		0901082-2	1	1/16/2009	14:56
		0901082-2DUP	1	1/16/2009	14:57
		0901082-2L	5	1/16/2009	14:59

Data Package ID: HG0901040-1

Mercury Run Log -- 1/16/2009

Instrument ID: CETAC
 File Name: 09011601
 AnalRunID: HG090116-1A1
 CalibRefID: HG090116-1A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		0901082-2MS	1	1/16/2009	15:00
		0901082-2MSD	1	1/16/2009	15:02
		EX090114-6MB	1	1/16/2009	15:04
		EX090114-6LCS	1	1/16/2009	15:05
		EX090114-6LCSD	1	1/16/2009	15:07
		0901051-2	1	1/16/2009	15:08
		0901051-2DUP	1	1/16/2009	15:10
		CCV3	1	1/16/2009	15:12
		CCB3	1	1/16/2009	15:13
		0901051-2L	5	1/16/2009	15:15
		0901051-2MS	1	1/16/2009	15:17
		0901051-2MSD	1	1/16/2009	15:18
		F090114-1MB	1	1/16/2009	15:20
		0901056-1	1	1/16/2009	15:21
		0901056-2	1	1/16/2009	15:23
		0901056-3	1	1/16/2009	15:25
		0901056-4	1	1/16/2009	15:26
		0901056-5	1	1/16/2009	15:28
		0901056-6	1	1/16/2009	15:30
		CCV4	1	1/16/2009	15:31
		CCB4	1	1/16/2009	15:33
	FE-RG-24-13-398-PW-GPTF	0901040-1	1	1/16/2009	15:34
	FE-RG-13-1-398-PW-GPTF	0901040-2	1	1/16/2009	15:36
	FE-RG-12-4-398-PW-GPTF	0901040-3	1	1/16/2009	15:38
	FE-RG-31-8-398-PW-GPTF	0901040-4	1	1/16/2009	15:39
	FE-RG-24-20-398-PW-GPTF	0901040-5	1	1/16/2009	15:41
		0901066-1	1	1/16/2009	15:46
		0901066-2	1	1/16/2009	15:48
		0901066-3	1	1/16/2009	15:50
		0901066-4	1	1/16/2009	15:51
		0901087-4	5	1/16/2009	15:59
		CCV5	1	1/16/2009	16:02
		CCB5	1	1/16/2009	16:04
	FE-RG-13-1-398-PW-GPTF	0901040-2	1	1/16/2009	16:06
	FE-RG-24-20-398-PW-GPTF	0901040-5	100	1/16/2009	16:07

Data Package ID: HG0901040-1

Mercury Run Log -- 1/16/2009

Instrument ID: CETAC
File Name: 09011601
AnalRunID: HG090116-1A1
CalibRefID: HG090116-1A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		CRA2	1	1/16/2009	16:09
		CCV6	1	1/16/2009	16:11
		CCB6	1	1/16/2009	16:12

Data Package ID: HG0901040-1

Raw Data

HEADER INFORMATION FOR ANALYTICAL SEQUENCE 090113A
STANDARD SOLUTION CODES

Reviewed
REM
9/1/09

Stock A (ST090107-2) Exp. 3-31-10		
<u>Element</u>	<u>ug/ml</u>	
Al, Ca, Mg	1000	
Na, K	500	
Fe	400	
Li	10	
<u>Standard</u>	<u>Dilution</u>	<u>Procedure</u>
A1	1/2 of Stock A	5ml of Stock A to 10ml final volume.
A2	1/10 of A1	1ml of Standard A1 up to a 10ml final volume.
A3	1/10 of A2	1ml of Standard A2 up to a 10ml final volume.

Stock B (ST090107-3) Exp. 12-31-09		
<u>Element</u>	<u>ug/ml</u>	
P, Si	100	
B, Ba, Cr, Cu, Mn, Mo, Ni, Pb, Sn, Sr, Ti, Zn	20	
As, Cd, Co, Se, Tl, V	10	
Ag, Sb	4	
Be	2	

Stock Ag- 1000 ug/ml (ST090107-6) Exp. 4-06-10
Stock Th - 1000 ug/ml (ST090107-7) Exp. 4-06-10

The following dilutions of Stock Ag and Stock Th are made to provide the daily calibration Standards.

<u>Standard</u>	<u>Dilution</u>	<u>Procedure</u>
B1	1/2 of Stock B	5ml of Stock B and 0.02ml of Stock Ag and Stock Th up to a 10ml final volume.
B2	1/500 Ag and 1/500 Th	1.0ml of Standard B1 up to a 10ml final volume.
B3	1/10 of B1	1.0ml of Standard B2 up to a 10ml final volume.

Stock C (ST090107-4) Exp. 6-06-10		
<u>Element</u>	<u>ug/ml</u>	
S, U	100	
Bi, Zr	10	
<u>Standard</u>	<u>Dilution</u>	<u>Procedure</u>
C1	1/2 of Stock C	5ml of Stock C up to a 10ml final volume.
C2	1/10 of C1	1.0ml of Standard C1 up to a 10ml final volume.
C3	1/10 of C2	1.0ml of Standard C2 up to a 10ml final volume.

RL STD (Reporting Limit Standard) Intermediate.
(ST090107-5) Exp. 12-31-2009

<u>Element</u>	<u>ug/ml</u>
K, Na	500
Ca, Mg	200
Al, U	100
B, Fe, P, S, Si	50
Li, Mo, Sn, Sr, Ti	10
Sb	8
Ni, As, Bi, Se, Th, Tl, Zn, Zr	5
Pb	3
Ag, Ba, Co, Cr, Cu, Mn, V	2
Be, Cd	1
RL STD (working standard) made daily by diluting the intermediate above 1000 fold. This working standard had concentration levels at the normal Paragon reporting limits for all elements except Ca, Mg and Na, K which are at 0.2ppm and 0.5ppm, this is below the normal Paragon reporting limit.	

Double D.I. water, 3% HNO₃ and 5% HCl
Used for Std. Blank, ICB and CCB

CCV (ST081229-4) Exp. 1-10-10	
<u>Element</u>	<u>ug/ml</u>
Al, Ca, Mg, K, Na	50
Fe	20
U, P, S, Si	5
B, Ba, Cr, Cu, Mn, Mo, Ni, Pb, Se, Sn, Zn, Zr	1
As, Be, Bi, Cd, Co, Li, Sb, Sr, Ti, Tl, V	0.5
Ag, Th	0.2

ICV (ST081229-4) Exp. 1-10-10	
Prepared daily by diluting the CCV (described above) ½.	
The 1/2 dilution is made by diluting 5ml of the CCV to a 10ml final volume.	
The resulting concentrations are:	
<u>Element</u>	<u>ug/ml</u>
Al, Ca, Mg, K, Na	25
Fe	10
U, P, S, Si	2.5
B, Ba, Cr, Cu, Mn, Mo, Ni, Pb, Se, Sn, Zn, Zr	0.5
As, Be, Bi, Cd, Co, Li, Sb, Sr, Ti, Tl, V	0.25
Ag, Th	0.1

CRI (ST080813-6) Exp. 1-10-10	
Made By diluting	
1.0ml of CRI Stock (ST080813-2) Exp. 1-10-10	
to a 100ml final volume.	
<u>Element</u>	<u>ug/ml</u>
Ca, Mg, K, Na	5.0
Al, Ba	0.4
B, Fe, U, P, S, V	0.2
Sb	0.12
Co, Si, Sn	0.1
Ni	0.08
Cu, Bi, Zr	0.05
Zn	0.04
Mn	0.03
Ag, Cr, Li, Mo, Sr, Ti, Tl	0.02
Be, Cd, As, Se, Th, Pb	0.01

ICSA (ST090106-6) Exp. 9-13-09	
<u>Element</u>	<u>ug/ml</u>
Ca, Mg, Al	250
Fe	100

ICSAB (ST080813-4) Exp. 1-23-09	
<u>Element</u>	<u>ug/ml</u>
Ca, Mg, Al	250
Fe	100
U	10
B, Si, Li, Mo, Sn, Sr, Ti, Cd, Zn, Ni, Ag, P, S	1.0
Sb	0.6
Ba, Be, Co, V, Cr, Cu, Mn, Bi, Zr	0.5
Ag	0.2
As, Tl	0.1
Se, Pb, Th	0.05

1.0ml to 5.0ml --- M-55
0.1ml to 1.0ml --- M-61
0.01ml to 0.1ml --- M-57

Acid Lot Numbers

HCl – G36024
HNO₃ – G17027

Inter Element Correction Information

The following table summarizes spectral interferences that have been identified and for which IEC's are used. If a sample contains a concentration of an interfering element that exceeds the upper analytical range, and an affected element is being determined, it is necessary to dilute the sample to bring the interfering element into analytical range.

<u>Interfering Element (ug/ml)</u>	<u>Affected Element</u>
Al (500)	Se, Pb
Mg (500)	Th
Fe (200)	Se, Tl, V, Pb, U
Si (50)	Zr
U (50)	Al, Cr, Cu, Bi, Pb, Mg, Se, Ag, Tl, Si
Ba (10)	Co
Cr (10)	Sb
Cu (10)	Bi
Mn (10)	Tl
Mo (10)	Al, Si, Pb, Sb
Ti (10)	Co, Bi, Si, Sn, Tl, Pb, Zr
As (5)	Cd
V (5)	Al, Be, Tl
Zr (5)	Ag

The following table lists element concentrations (ug/ml) that no significant spectral interferences have been observed.

<u>Element</u>	<u>Concentration</u>	<u>Element</u>	<u>Concentration</u>	<u>Element</u>	<u>Concentration</u>
K	500	Se	10	Li	5
Na	500	Pb	10	Cd	5
Ca	500	Zn	10	Co	5
P	50	Sr	10	Ag	2
S	50	Sn	10	Sb	2
Ni	10	Bi	5	Be	1
B	10	Tl	5		

2X – Dilution made by diluting 2.5ml of sample up to a 5ml final volume.
3X - Dilution made by diluting 2.0ml of sample up to a 6ml final volume.
4X - Dilution made by diluting 2.0ml of sample up to a 8ml final volume.
5X - Dilution made by diluting 1.0ml of sample to a 5ml final volume.
10X - Dilution made by diluting 0.5ml of sample to a 5ml final volume.
20X – Dilution made by diluting 0.25ml of sample to a 5ml final volume.
25X – Dilution made by diluting 0.2ml of sample to a 5ml final volume.
50X – Dilution made by diluting 0.1ml of sample to a 5ml final volume.
100X – Dilution made by diluting 0.05ml of sample to a 5ml final volume.
500X – Dilution made by diluting 0.02ml of sample to a 10ml final volume.
1000X – Dilution made by diluting a 10X dilution 100X.

Analytical Spikes

0901050-2 – Post spiked for Ca at 80ppm, B at 2ppm and Mn at 1ppm by diluting 0.2ml of Cation spike(ST081223-5) and 0.2ml of Z spike(ST081106-12) up to a 5ml final volume with sample digestate.

Comments

1. Please see run log and work orders for elements of interest.

Daily Maintenance

1. Check/ Change Peristaltic pump tubing.
2. Check the torch for deposits, clean if necessary.
3. Check/ Empty drain water.

Daily Maintenance done by _____ RF _____.

Monthly Maintenance

1. Check/Clean nebulizer and spray chamber.
2. Clean air filters
3. Check/Clean entrance slit.
4. Fill water recirculating reservoir.

Monthly maintenance done by: RF 1-5-09.

Major problems / adjustments / repairs recorded in the ICP Maintenance Log (3716).

ICPTrace2 Run Log -- 1/13/2009

Instrument ID: ICPTrace2

File Name: 090113A.

AnalRunID: IT090113-2A1

CalibRefID: IT090113-2A1

Comment	Inst Sample Name	Lab ID	DF	Date Analyzed	Time Analyzed
	MIXBHIGH	MIXBHIGH	1	1/13/2009	13:15
	MIXAHIGH	MIXAHIGH	1	1/13/2009	13:17
	MIXCHIGH	MIXCHIGH	1	1/13/2009	13:19
	ICV	ICV	1	1/13/2009	13:35
	ICB	ICB	1	1/13/2009	13:41
	CRI	CRI1	1	1/13/2009	13:43
	ICSA	ICSA1	1	1/13/2009	13:45
	ICSAB	ICSAB1	1	1/13/2009	13:47
	CCV	CCV1	1	1/13/2009	13:49
	CCB	CCB1	1	1/13/2009	13:51
	IP090112-1MB	IP090112-1MB	1	1/13/2009	13:53
	IP090112-1LCS	IP090112-1LCS	1	1/13/2009	13:55
- S	0901043-1	0901043-1	1	1/13/2009	13:57
- S	0901043-1D	0901043-1DUP	1	1/13/2009	13:58
- S	0901043-1L 5X	0901043-1SER	5	1/13/2009	14:00
- S	0901043-1MS	0901043-1MS	1	1/13/2009	14:02
- S	0901043-1MSD	0901043-1MSD	1	1/13/2009	14:04
- S	0901043-2	0901043-2	1	1/13/2009	14:06
	IP090112-2MB	IP090112-2MB	1	1/13/2009	14:08
	IP090112-2LCS	IP090112-2LCS	1	1/13/2009	14:10
	CCV	CCV2	1	1/13/2009	14:12
	CCB	CCB2	1	1/13/2009	14:14
	CCV	CCV3	1	1/13/2009	14:47
	CCB	CCB3	1	1/13/2009	14:49
- Na	0901040-1 10X	0901040-1	10	1/13/2009	14:51
- Na	0901040-2 10X	0901040-2	10	1/13/2009	14:53
- Na	0901040-2D 10X	0901040-2DUP	10	1/13/2009	14:54
- Na	0901040-2L 50X	0901040-2SER	50	1/13/2009	14:56
- Na	0901040-2MS 10X	0901040-2MS	10	1/13/2009	14:58
- Na	0901040-2MSD 10X	0901040-2MSD	10	1/13/2009	15:00
- Na	0901040-3 10X	0901040-3	10	1/13/2009	15:02
	ZZZ	ZZZ	1	1/13/2009	15:04
- Na	0901040-5 10X	0901040-5	10	1/13/2009	15:06
	IP090112-5MB	IP090112-5MB	1	1/13/2009	15:08
	CCV	CCV4	1	1/13/2009	15:10

Data Package ID:

ICPTrace2 Run Log -- 1/13/2009

Instrument ID: ICPTrace2

File Name: 090113A.

AnalRunID: IT090113-2A1

CalibRefID: IT090113-2A1

Comment	Inst Sample Name	Lab ID	DF	Date Analyzed	Time Analyzed
	CCB	CCB4	1	1/13/2009	15:12
	IP090112-5LCS	IP090112-5LCS	1	1/13/2009	15:14
	0901037-1	0901037-1	1	1/13/2009	15:15
	0901037-2	0901037-2	1	1/13/2009	15:17
	0901037-3	0901037-3	1	1/13/2009	15:19
	0901050-1	0901050-1	1	1/13/2009	15:21
- Fe,Pb,Se,Th,Ti,U,V	0901050-2	0901050-2	1	1/13/2009	15:23
- Fe,Pb,Se,Th,Ti,U,V	0901050-2D	0901050-2DUP	1	1/13/2009	15:25
- Fe,Pb,Se,Th,Ti,U,V	0901050-2L 5X	0901050-2SER	5	1/13/2009	15:27
- Fe,Pb,Se,Th,Ti,U,V	0901050-2MS	0901050-2MS	1	1/13/2009	15:29
- Fe,Pb,Se,Th,Ti,U,V	0901050-2MSD	0901050-2MSD	1	1/13/2009	15:31
	CCV	CCV5	1	1/13/2009	15:32
	CCB	CCB5	1	1/13/2009	15:36
- Fe,Pb,Se,Th,Ti,U,V	0901050-3	0901050-3	1	1/13/2009	15:38
- Fe,Pb,Se,Th,Ti,U,V	0901050-4	0901050-4	1	1/13/2009	15:40
- Mn,Ti	0901050-5	0901050-5	1	1/13/2009	15:42
+ Na	0901040-1 100X	0901040-1	100	1/13/2009	15:44
+ Na	0901040-2 100X	0901040-2	100	1/13/2009	15:45
+ Na	0901040-2D 100X	0901040-2DUP	100	1/13/2009	15:47
+ Na	0901040-2L 500X	0901040-2SER	500	1/13/2009	15:49
+ Na	0901040-2MS 100X	0901040-2MS	100	1/13/2009	15:51
+ Na	0901040-2MSD 100X	0901040-2MSD	100	1/13/2009	15:53
+ Na	0901040-3 100X	0901040-3	100	1/13/2009	15:55
	CCV	CCV6	1	1/13/2009	15:57
	CCB	CCB6	1	1/13/2009	15:59
	0901040-4 10X	0901040-4	10	1/13/2009	16:01
+ Na	0901040-5 100X	0901040-5	100	1/13/2009	16:03
+ Fe,Pb,Se,Th,Ti,U,V	0901050-2 2X	0901050-2	2	1/13/2009	16:05
+ Fe,Pb,Se,Th,Ti,U,V	0901050-2D 2X	0901050-2DUP	2	1/13/2009	16:07
+ Fe,Pb,Se,Th,Ti,U,V	0901050-2L 10X	0901050-2SER	10	1/13/2009	16:09
+ Fe,Pb,Se,Th,Ti,U,V	0901050-2MS 2X	0901050-2MS	2	1/13/2009	16:10
+ Fe,Pb,Se,Th,Ti,U,V	0901050-2MSD 2X	0901050-2MSD	2	1/13/2009	16:12
+ Fe,Pb,Se,Th,Ti,U,V	0901050-3 2X	0901050-3	2	1/13/2009	16:14
+ Fe,Pb,Se,Th,Ti,U,V	0901050-4 2X	0901050-4	2	1/13/2009	16:16
+ Mn,Ti	0901050-5 3X	0901050-5	3	1/13/2009	16:18

Data Package ID:

ICPTrace2 Run Log -- 1/13/2009

Instrument ID: ICPTrace2

File Name: 090113A.

AnalRunID: IT090113-2A1

CalibRefID: IT090113-2A1

Comment	Inst Sample Name	Lab ID	DF	Date Analyzed	Time Analyzed
	CCV	CCV7	1	1/13/2009	16:20
	CCB	CCB7	1	1/13/2009	16:22
- Fe,Pb,Se,Th,Ti,U,V	0901050-2A	0901050-2A	1	1/13/2009	16:24
	CRI	CRI2	1	1/13/2009	16:26
	ICSA	ICSA2	1	1/13/2009	16:28
	ICSAB	ICSAB2	1	1/13/2009	16:30
	CCV	CCV8	1	1/13/2009	16:32
	CCB	CCB8	1	1/13/2009	16:34

Data Package ID: _____

Sample Id1	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
MIXBHGH	1.95365	-0.06866	4.79632	9.64803	9.76090	0.96311	-0.00634	-0.15323	4.83064	4.83516	9.71923	9.72903
MIXAHGH	0.00037	494.23995	0.00233	0.00379	0.00045	0.00075	0.01259	496.54634	0.00023	0.00362	0.00230	-0.00333
MIXCHGH	0.00648	-0.08034	-0.00443	0.01858	-0.00105	0.00442	H5.01976	-0.06793	-0.00118	0.00436	-0.00681	-0.00379
ICV	0.10207	26.07990	0.26104	0.51372	0.50606	0.26129	0.25406	25.97965	0.25478	0.25442	0.51824	0.51182
ICB	0.00028	-0.01621	-0.00077	-0.00559	-0.00047	0.00000	0.00385	-0.24929	-0.00042	-0.00048	-0.00048	-0.00087
CRI	0.02107	0.51644	0.00895	0.41975	0.41539	0.01114	0.05473	5.39964	0.01004	0.10501	0.02135	0.05215
ICSA	-0.00013	251.82904	-0.00015	-0.00744	-0.00046	0.00062	0.00568	252.89767	-0.00035	0.00084	-0.00141	-0.00491
ICSAB	0.19895	253.46714	0.09283	0.98561	0.48219	0.46730	0.51962	253.09240	0.94767	0.46523	0.45832	0.50340
CCV	0.19917	50.84927	0.50766	1.00239	0.96958	0.49528	0.51212	50.66820	0.49815	0.48857	0.98836	0.99282
CCB	0.00032	-0.00193	-0.00097	-0.00485	-0.00044	0.00010	0.00089	-0.24655	-0.00025	-0.00049	-0.00062	-0.00091
IP090112-1MB	0.00011	0.01182	-0.00050	-0.00527	-0.00042	0.00017	0.00499	-0.21270	-0.00017	-0.00052	-0.00063	-0.00080
IP090112-1LCS	0.00024	2.04110	2.03292	1.02285	2.06318	0.05095	0.00209	-0.22734	0.05054	0.52263	0.21364	0.26506
0901043-1	0.00006	0.02531	-0.00014	0.03652	0.03279	0.00024	0.00149	390.15579	-0.00012	-0.00002	-0.00030	0.00111
0901043-1D	0.00074	0.01438	0.00303	0.03547	0.03173	0.00022	0.00715	400.45739	-0.00017	0.00074	0.00260	0.00085
0901043-1L 5X	0.00092	0.07785	0.00013	0.00722	0.00631	0.00009	0.00682	75.91175	-0.00010	-0.00009	-0.00028	0.00028
0901043-1MS	0.00099	2.07246	2.04380	1.05477	1.96848	0.04857	0.00697	405.02280	0.04948	0.49420	0.19920	0.25747
0901043-1MSD	0.00025	2.08860	2.06981	1.06880	1.98778	0.04321	0.00187	410.00709	0.04980	0.49998	0.20157	0.25905
0901043-2	0.00126	0.01308	0.00194	0.03749	0.03202	0.00020	0.00619	397.07252	0.00001	0.00069	0.00014	0.00096
IP090112-2MB	0.00047	0.00116	0.00023	-0.00310	-0.00039	0.00003	0.00732	-0.18814	-0.00025	-0.00027	-0.00050	-0.00073
IP090112-2LCS	0.00091	2.04959	2.00622	1.01265	1.96855	0.05096	0.00309	39.61872	0.04898	0.49387	0.20237	0.24984
CCV	0.19717	50.47474	0.50206	0.99204	0.96149	0.49559	0.49939	50.75419	0.49981	0.48845	0.99340	0.98066
CCB	0.00051	0.00748	0.00100	-0.00380	-0.00040	0.00003	0.00339	-0.23951	-0.00019	-0.00046	-0.00046	-0.00144
CCV	0.19608	49.73715	0.49092	0.97656	0.94928	0.48183	0.50062	49.57161	0.49427	0.47636	0.96544	0.98198
CCB	-0.00009	0.03499	-0.00113	-0.00563	-0.00029	0.00010	0.00097	-0.22818	-0.00037	-0.00051	-0.00048	-0.00217
0901040-1 10X	0.00021	0.13269	0.00070	1.29194	2.34684	0.00024	0.00166	6.01583	-0.00027	0.00055	0.00220	0.00114
0901040-2 10X	0.00011	0.12449	0.00038	1.21737	1.84581	0.00014	0.00349	16.85535	-0.00042	-0.00023	0.00014	-0.00147
0901040-2D 10X	-0.00058	0.11572	-0.00143	1.22329	1.77410	0.00013	0.00038	16.95776	-0.00064	-0.00065	-0.00046	-0.00217
0901040-2L 50X	-0.00015	0.12517	0.00010	0.24911	0.39346	0.00011	0.00303	3.51796	-0.00030	-0.00056	-0.00048	-0.00182
0901040-2MS 10X	0.00040	0.31832	0.19971	1.32503	1.95586	0.00493	0.00566	20.58736	0.00464	0.04839	0.01961	0.02311
0901040-2MSD 10X	0.00019	0.32058	0.20203	1.33698	1.95881	0.00503	0.00424	20.89144	0.00455	0.04904	0.01964	0.02325
0901040-3 10X	-0.00013	0.12692	0.00108	0.84985	5.04162	0.00006	0.00526	13.43934	-0.00061	0.00031	-0.00039	-0.00174
ZZZ	0.00044	0.13049	-0.00176	0.66755	1.33601	0.00019	0.00412	3.52603	-0.00025	-0.00008	0.00627	-0.00073
0901040-5 10X	0.00017	0.13555	0.00008	1.05979	0.79253	0.00008	0.00184	2.75993	-0.00056	-0.00029	0.00104	-0.00114
IP090112-5MB	0.00008	0.03060	-0.00151	-0.00359	-0.00051	0.00009	0.00449	-0.23360	-0.00006	-0.00051	0.00006	-0.00154
CCV	0.20163	50.88543	0.51522	1.01535	0.96969	0.50244	0.51857	52.04369	0.51307	0.49806	1.00515	1.00895
CCB	-0.00052	0.04691	-0.00118	-0.00514	-0.00026	0.00027	0.00047	-0.22136	-0.00044	-0.00095	-0.00075	-0.00195
IP090112-5LCS	0.10059	2.03104	1.96117	0.96814	1.94383	0.04985	0.00106	39.90845	0.04804	0.49288	0.20193	0.25392
0901037-1	-0.00023	30.57657	0.03319	0.17167	1.20821	0.00374	0.00996	201.27445	0.03248	0.02603	0.06279	0.12976
0901037-2	-0.00012	32.95627	0.04234	0.21879	1.71390	0.00373	0.00962	361.17626	0.03133	0.03055	0.18474	0.25405
0901037-3	-0.00004	31.04735	0.03949	0.20084	1.19318	0.00362	0.00754	319.24316	0.02154	0.02958	0.17031	0.27349
0901050-1	-0.00039	74.18618	0.05448	0.02913	0.32220	0.00281	0.01052	216.64080	0.00004	0.02063	0.09342	0.06808
0901050-2	-0.00145	120.98352	0.05969	-0.00027	0.27020	0.00325	0.01689	13.20598	0.00020	0.02477	0.15833	0.08965
0901050-2D	-0.00153	122.14801	0.06109	0.00005	0.28141	0.00358	0.01224	13.82872	-0.00006	0.02373	0.17546	0.08734
0901050-2L 5X	-0.00072	24.00679	0.00996	-0.00161	0.05437	0.00088	0.00340	2.74947	-0.00041	0.00445	0.03228	0.01558
0901050-2MS	0.09505	164.99335	1.86734	0.70396	2.14416	0.05056	0.01027	51.14582	0.04625	0.49002	0.33767	0.36569
0901050-2MSD	0.09800	162.74630	1.92969	0.71884	2.18544	0.05229	0.01415	68.58781	0.04810	0.50846	0.35752	0.36848
CCV	0.20111	50.61276	0.51323	1.01030	0.95671	0.49962	0.51683	52.37115	0.51854	0.49749	1.00592	1.00222
CCB	0.00065	-0.01508	0.00037	-0.00444	-0.00051	0.00017	0.00385	-0.25091	-0.00036	-0.00016	-0.00051	-0.00214
0901050-3	-0.00175	117.02208	0.05665	0.01813	0.29999	0.00283	0.01092	95.60254	-0.00012	0.05126	0.11123	0.08192
0901050-4	-0.00036	97.81158	0.05293	0.00652	0.41853	0.00534	0.01335	49.72042	0.00024	0.08469	0.20119	0.08065

Sample Id1	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
0901050-5	0.00012	106.37692	0.05619	-0.00061	0.66230	0.00370	0.00892	8.55608	-0.00003	0.11106	0.09386	0.04660
0901040-1 100X	-0.00064	0.09504	-0.00072	0.12841	0.24044	0.00025	0.00225	0.59947	-0.00032	-0.00105	-0.00069	-0.00171
0901040-2 100X	0.00004	0.08767	0.00008	0.11352	0.18148	0.00018	0.00184	1.59759	-0.00053	-0.00067	-0.00058	-0.00192
0901040-2D 100X	0.00045	0.09166	-0.00059	0.12122	0.18266	0.00022	0.00417	1.71840	-0.00034	-0.00025	-0.00035	-0.00175
0901040-2L 500X	0.00024	0.08379	-0.00203	0.02307	0.03730	0.00019	0.00390	0.31960	-0.00031	-0.00053	-0.00055	-0.00165
0901040-2MS 100X	0.00001	0.10876	0.01944	0.13162	0.20287	0.00075	0.00144	2.14585	0.00027	0.00472	0.00113	0.00047
0901040-2MSD 100X	-0.00004	0.10831	0.01933	0.13351	0.20292	0.00077	0.00249	2.17029	0.00006	0.00460	0.00136	0.00046
0901040-3 100X	-0.00014	0.08852	-0.00119	0.08404	0.51801	0.00022	-0.00131	1.39956	-0.00031	-0.00047	-0.00068	-0.00189
CCV	0.20119	50.33966	0.50447	1.00175	0.95649	0.49387	0.51372	51.68364	0.51456	0.49111	0.99378	1.00254
CCB	0.00048	-0.00447	0.00117	-0.00525	-0.00048	0.00026	0.00043	-0.24366	-0.00015	-0.00061	-0.00073	-0.00199
0901040-4 10X	-0.00019	0.09885	-0.00063	0.65779	1.29329	0.00033	0.00289	3.43561	-0.00042	-0.00025	0.00575	-0.00093
0901040-5 100X	0.00051	0.10220	-0.00039	0.10901	0.08688	0.00030	0.00412	0.29249	-0.00035	-0.00049	-0.00013	-0.00140
0901050-2 2X	-0.00085	62.21905	0.03004	0.00135	0.14202	0.00188	0.00752	6.82927	-0.00025	0.01265	0.08222	0.04408
0901050-2D 2X	-0.00078	62.70259	0.02985	0.00103	0.14633	0.00206	0.00849	7.14210	-0.00015	0.01194	0.09089	0.04408
0901050-2L 10X	-0.00186	12.42808	0.00358	-0.00295	0.02811	0.00062	-0.00403	1.37924	-0.00077	0.00070	0.01477	0.00576
0901050-2MS 2X	0.05068	85.37521	1.01530	0.38027	1.12871	0.02727	0.00851	27.15744	0.02418	0.26347	0.18048	0.18930
0901050-2MSD 2X	0.05069	84.55774	1.02915	0.38807	1.14519	0.02759	0.00791	35.43150	0.02490	0.26750	0.18754	0.19106
0901050-3 2X	-0.00092	59.91012	0.02599	0.00809	0.15588	0.00173	0.00749	47.93794	-0.00019	0.02600	0.05674	0.04067
0901050-4 2X	-0.00024	50.34305	0.02598	0.00303	0.21608	0.00308	0.00732	25.35917	-0.00003	0.04349	0.10316	0.03994
0901050-5 3X	0.00039	36.14685	0.01861	-0.00061	0.22982	0.00157	0.00631	2.98812	-0.00023	0.03836	0.03275	0.01445
CCV	0.19821	49.78670	0.50317	0.99132	0.94653	0.48272	0.51687	50.69112	0.50903	0.48372	0.97312	1.00139
CCB	0.00004	0.01938	-0.00130	-0.00512	-0.00046	0.00031	0.00289	-0.24380	-0.00020	-0.00079	-0.00070	-0.00280
0901050-2A	-0.00131	117.56973	3.86158	1.94026	3.97514	0.09955	0.01065	92.40955	0.09752	0.98307	0.52950	0.59124
CRI	0.02132	0.55007	0.01160	0.42866	0.41457	0.01136	0.05893	5.55624	0.01070	0.10669	0.02165	0.05218
ICSA	0.00015	244.32245	-0.00149	-0.00559	-0.00038	0.00077	0.00900	256.19395	-0.00026	0.00051	-0.00172	-0.00726
ICSAB	0.20423	250.52513	0.09722	0.99178	0.47482	0.46506	0.53772	261.79054	0.99644	0.47242	0.46205	0.50865
CCV	0.19958	49.88493	0.50009	0.99304	0.94748	0.48460	0.51185	51.01969	0.51193	0.48550	0.97863	0.99886
CCB	0.00067	0.01271	0.00057	-0.00372	-0.00039	0.00020	0.00326	-0.24254	-0.00012	-0.00042	-0.00055	-0.00246

Sample Id1	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Pb I	Pb II
MIXBHGH	-0.01090	0.30640	0.00482	-0.05073	9.70615	9.64150	0.23323	9.58386	47.92591	9.75030	9.67587	9.78746
MIXAHGH	198.23418	249.36284	4.94983	496.11419	0.00281	0.00181	H251.22581	0.00310	0.01618	0.00064	0.00931	L-0.00370
MIXCHGH	-0.00371	0.29185	0.00511	-0.44164	0.00344	0.00035	0.22614	-0.00125	0.00589	-0.00204	L-0.00775	0.00081
ICV	10.22339	24.86168	0.24565	26.08491	0.51745	0.50172	24.67181	0.52387	2.52246	0.51011	0.52042	0.50496
ICB	-0.00601	0.17561	0.00424	-0.02058	-0.00087	-0.00026	0.19681	-0.00118	-0.00855	-0.00086	0.00107	-0.00182
CRI	0.20299	4.23640	0.02016	5.30357	0.03168	0.02097	4.18784	0.08936	0.20118	0.00544	0.00650	0.00491
ICSA	101.22328	0.12004	0.00440	252.55337	-0.00032	-0.00182	0.20359	0.00021	0.00575	0.00011	0.00392	-0.00178
ICSAB	101.33780	0.11112	1.02532	253.77673	0.46637	0.96089	0.20582	0.92998	0.95415	0.04720	0.05043	0.04559
CCV	19.95720	50.16371	0.50429	50.93028	0.98639	1.00707	50.61635	1.01201	4.87927	0.96237	1.01059	0.93830
CCB	-0.00495	0.24924	0.00436	-0.01683	-0.00085	-0.00080	0.20192	-0.00082	-0.01070	-0.00103	-0.00040	-0.00135
IP090112-1MB	0.01158	0.30173	0.00439	-0.00244	-0.00068	-0.00123	0.27183	-0.00065	-0.00042	-0.00056	-0.00107	-0.00031
IP090112-1LCS	1.03019	0.21524	0.00424	-0.01457	0.52869	1.03484	0.21458	0.55018	0.00447	0.51755	0.52541	0.51363
0901043-1	0.01682	7.16098	0.01029	63.23747	0.45724	1.57709	102.19982	0.00048	0.05819	0.00041	-0.00021	0.00072
0901043-1D	0.02266	7.12934	0.01027	64.19415	0.46385	1.60323	101.30588	0.00138	0.05760	-0.00030	0.00394	-0.00241
0901043-1L 5X	-0.00082	1.21452	0.00537	13.02226	0.09761	0.33565	17.34619	-0.00003	0.00462	-0.00143	0.00159	-0.00294
0901043-1MS	0.96970	7.13864	0.01036	64.62696	0.95743	2.61464	102.01701	0.50824	0.05888	0.49647	0.50740	0.49102
0901043-1MSD	0.97809	7.22554	0.01045	65.46091	0.96831	2.64250	102.30633	0.51445	0.06089	0.50439	0.51405	0.49957
0901043-2	0.01196	7.12442	0.01026	64.05692	0.46105	1.59886	101.22918	0.00137	0.05599	0.00017	0.00320	-0.00134
IP090112-2MB	0.05633	0.30003	0.00441	-0.01145	-0.00005	0.00173	0.23391	-0.00010	-0.00189	-0.00095	0.00216	-0.00251
IP090112-2LCS	0.96363	38.97545	0.49282	40.27100	0.49821	1.02103	39.00680	0.51498	-0.00287	0.49810	0.50972	0.49230
CCV	19.94363	50.17501	0.50086	50.96153	0.98680	1.00355	50.47306	1.00466	4.82944	0.98246	1.00307	0.97217
CCB	-0.00266	0.26209	0.00440	-0.00869	-0.00072	0.00014	0.20712	0.00007	-0.00811	-0.00089	0.00234	-0.00251
CCV	19.38844	49.83107	0.49788	49.47872	0.95597	0.98304	49.96635	0.99583	4.72654	0.94683	0.97101	0.93476
CCB	-0.00133	0.20716	0.00430	-0.00569	-0.00066	-0.00027	0.20620	-0.00078	-0.00772	-0.00107	-0.00112	-0.00104
0901040-1 10X	0.83548	19.66293	0.55593	0.59487	0.01451	0.00037	H343.26314	0.00029	-0.01599	-0.00069	0.00261	-0.00233
0901040-2 10X	6.20518	32.56814	0.48023	1.55391	0.09487	-0.00152	H414.28173	-0.00045	-0.09916	-0.00082	0.00112	-0.00178
0901040-2D 10X	6.24146	32.76182	0.48249	1.55554	0.09546	-0.00131	H413.62798	-0.00109	-0.10068	-0.00047	-0.00009	-0.00066
0901040-2L 50X	5.18948	0.88809	0.08809	0.31009	0.01923	-0.00059	96.26147	-0.00108	-0.04728	-0.00096	0.00013	-0.00151
0901040-2MS 10X	6.29298	38.92296	0.54583	5.24052	0.14229	0.09969	H408.21408	0.04968	-0.09422	0.04801	0.05256	0.04574
0901040-2MSD 10X	6.36056	38.79681	0.54420	5.29718	0.14379	0.09992	H410.60965	0.05125	-0.10812	0.04834	0.05097	0.04703
0901040-3 10X	0.44379	37.32994	0.42584	1.48357	0.01013	-0.00054	H388.36391	-0.00084	-0.03518	-0.00086	0.00118	-0.00188
zzz	1.57331	12.99596	0.31036	0.39855	0.01206	-0.00049	241.38487	-0.00021	1.81418	-0.00103	0.00335	L-0.00321
0901040-5 10X	0.71053	14.97092	0.33962	0.28081	0.00688	0.00026	H269.67495	-0.00049	1.44702	-0.00063	0.00128	-0.00159
IP090112-5MB	-0.00096	0.23213	0.00428	-0.02058	-0.00077	-0.00119	0.27605	0.00025	0.00594	-0.00117	-0.00104	-0.00123
CCV	20.16988	50.23896	0.50116	51.55827	0.99046	1.02233	49.75463	1.04641	4.98650	0.98388	1.01508	0.96830
CCB	0.00067	0.21875	0.00437	-0.00857	-0.00066	-0.00026	0.22296	-0.00090	-0.00884	-0.00064	L-0.00358	0.00083
IP090112-5LCS	0.96578	37.86050	0.46905	39.44289	0.49012	1.02008	36.73735	0.52696	0.01202	0.48355	0.49901	0.47584
0901037-1	85.63243	11.91597	0.07586	38.63013	1.84989	0.00405	2.76254	0.05841	6.70268	0.47353	0.49426	0.46318
0901037-2	171.26512	13.81212	0.10085	65.39546	2.79892	0.02347	4.88239	0.13283	3.13983	1.24282	1.29014	1.21920
0901037-3	156.20244	12.92366	0.08651	36.68342	2.46832	0.02045	4.47564	0.12454	3.15413	0.81958	0.85328	0.80275
0901050-1	193.71321	6.35281	0.09223	119.05426	0.77177	0.01066	0.44590	0.05572	2.24247	0.07077	0.07857	0.06687
0901050-2	H278.94883	5.36397	0.04832	7.34370	1.95645	0.01098	0.32392	0.05889	4.21418	0.07251	0.08248	0.06754
0901050-2D	H286.00321	6.13235	0.10167	11.23982	1.59230	0.01066	0.32900	0.06204	4.30116	0.06818	0.07592	0.06431
0901050-2L 5X	50.94949	1.12403	0.01203	1.53251	0.40776	0.00179	0.23639	0.01143	0.87266	0.01454	0.01611	0.01375
0901050-2MS	H261.57505	44.49829	0.57680	45.03150	1.83143	0.91604	38.97537	0.56947	3.97840	0.52273	0.54608	0.51107
0901050-2MSD	H272.56380	45.13064	0.58572	55.11412	2.19164	0.95228	39.47654	0.58719	4.07499	0.54906	0.57783	0.53469
CCV	20.02124	50.18899	0.50091	51.55368	0.98584	1.02356	50.36405	1.05745	4.89082	0.98125	1.01119	0.96630
CCB	-0.00644	0.25540	0.00444	-0.02020	-0.00087	-0.00023	0.20104	-0.00085	-0.00781	-0.00097	0.00174	-0.00233
0901050-3	H250.30933	4.54629	0.04800	9.14333	3.85508	0.00999	0.42150	0.05526	3.60216	0.12525	0.13561	0.12008
0901050-4	H274.68456	10.21819	0.05118	17.59551	4.48647	0.00556	0.37358	0.10518	2.22244	0.14588	0.15608	0.14078

Sample Id1	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Pb I	Pb II
0901050-5	178.51408	3.23777	0.03990	6.48057	H14.42635	0.00822	0.31476	0.06984	2.51683	0.17904	0.19140	0.17287
0901040-1 100X	0.08368	1.93724	0.05256	0.03697	0.00111	-0.00064	37.14614	-0.00122	-0.00586	0.00032	0.00045	0.00025
0901040-2 100X	0.58431	2.77073	0.04352	0.13030	0.00842	-0.00101	47.64042	-0.00055	-0.01227	0.00029	0.00027	0.00030
0901040-2D 100X	0.62313	2.93345	0.04564	0.14369	0.00905	-0.00056	50.13769	-0.00059	-0.01570	0.00087	0.00262	-0.00262
0901040-2L 500X	0.11689	0.66327	0.01103	0.01295	0.00115	-0.00055	8.24489	-0.00053	-0.01203	-0.00150	0.00070	-0.00259
0901040-2MS 100X	0.64033	3.47536	0.05127	0.52505	0.01396	0.00958	51.54403	0.00431	-0.01061	0.00484	0.00469	0.00492
0901040-2MSD 100X	0.64565	3.49187	0.05126	0.53443	0.01411	0.00902	51.42339	0.00482	-0.01193	0.00470	0.00638	0.00386
0901040-3 100X	0.04568	3.33259	0.04047	0.13806	0.00046	-0.00061	47.49912	-0.00089	-0.00664	0.00039	0.00103	0.00007
CCV	19.65885	50.27819	0.49964	50.91771	0.97180	1.00894	50.26427	1.04043	4.85323	0.96860	0.99786	0.95400
CCB	-0.00166	0.28898	0.00452	-0.01770	-0.00079	-0.00051	0.20795	-0.00091	-0.00654	-0.00037	0.00126	-0.00118
0901040-4 10X	1.52443	13.88222	0.31084	0.38253	0.01173	-0.00042	243.46706	0.00018	1.85222	0.00004	0.00167	-0.00076
0901040-5 100X	0.07028	1.56572	0.03422	0.01370	0.00001	-0.00102	29.78018	-0.00021	0.13734	-0.00005	0.00249	-0.00131
0901050-2 2X	136.37820	2.93303	0.02613	3.89718	1.00225	0.00499	0.29873	0.03067	2.16581	0.03835	0.04214	0.03646
0901050-2D 2X	139.14664	3.24736	0.05152	5.89953	0.81494	0.00458	0.28503	0.03285	2.20024	0.03440	0.03988	0.03166
0901050-2L 10X	24.31212	0.69027	0.00818	0.77231	0.20339	-0.00058	0.23437	0.00400	0.43793	0.00670	-0.00091	0.01050
0901050-2MS 2X	134.39816	22.16296	0.28169	23.95293	0.97310	0.48131	19.00300	0.30982	2.14233	0.28071	0.29630	0.27292
0901050-2MSD 2X	135.73759	22.57309	0.28751	28.71058	1.14348	0.48611	19.30857	0.31529	2.16113	0.28611	0.30478	0.27679
0901050-3 2X	121.45132	2.28514	0.02535	4.73268	1.97969	0.00485	0.31991	0.02787	1.89602	0.06429	0.06970	0.06159
0901050-4 2X	134.45820	5.10966	0.02672	9.13605	2.31004	0.00218	0.29747	0.05534	1.18099	0.07404	0.08065	0.07074
0901050-5 3X	55.86003	1.17943	0.01551	2.28403	5.10363	0.00218	0.25120	0.02462	0.88018	0.06200	0.06976	0.05812
CCV	19.31816	49.86786	0.49792	49.94510	0.95015	0.99459	49.55334	1.03948	4.79326	0.93987	0.97823	0.92072
CCB	-0.00117	0.23564	0.00443	-0.01733	-0.00079	-0.00057	0.20413	-0.00073	-0.00948	-0.00017	-0.00050	0.00000
0901050-2A	H243.03518	84.22510	1.05275	84.39137	2.63689	1.98675	80.72172	1.08691	3.82574	0.98818	1.04043	0.96209
CRI	0.20824	4.34697	0.02062	5.34393	0.03140	0.02143	4.22433	0.09436	0.20054	0.00550	0.00409	0.00621
ICSA	97.71014	0.18570	0.00460	249.40428	-0.00138	-0.00133	0.20961	0.00011	0.00570	0.00084	0.00704	-0.00226
ICSAB	99.87707	0.18719	1.01315	255.50587	0.45777	0.97225	0.21119	0.97658	0.95813	0.04687	0.05748	0.04157
CCV	19.37848	50.09292	0.49710	50.28595	0.95438	0.99592	49.94451	1.03822	4.74564	0.94871	0.98228	0.93195
CCB	-0.00098	0.23702	0.00437	-0.01270	-0.00070	0.00035	0.20256	-0.00101	-0.00576	-0.00015	0.00227	-0.00136

Sample Id1	S	Sb	Se	Se I	Se II	Si	Sn	Sr	Th	Ti	Tl	U
MIXBHGH	0.00108	1.94275	4.80451	4.77807	4.81771	48.59413	9.66130	9.69826	1.95114	9.75584	4.84089	-0.04500
MIXAHGH	0.00756	0.01143	-0.01005	L-0.00853	L-0.01080	0.00349	0.00693	0.00418	0.00629	-0.00098	L-0.01006	0.10384
MIXCHGH	49.90570	0.00096	-0.00078	-0.00185	-0.00024	-0.04679	0.01372	0.00069	L-0.26033	0.00775	0.00016	H50.10053
ICV	2.63924	0.26066	0.51041	0.50768	0.51178	2.56871	0.51036	0.25987	0.08138	0.25334	0.25892	2.50296
ICB	-0.02679	0.00096	0.00132	-0.00140	-0.00127	-0.00730	-0.00132	-0.00096	-0.00672	-0.00142	0.00283	-0.00225
CRI	0.15789	0.12544	0.00743	0.00639	0.00795	0.10265	0.10414	0.02432	0.09060	0.02036	0.01927	0.19436
ICSA	-0.02743	0.00349	-0.00566	L-0.00534	L-0.00583	-0.00836	0.00047	0.00037	-0.00743	-0.00139	-0.00062	0.04544
ICSAB	0.96554	0.58427	0.04396	0.04361	0.04414	0.93576	0.95014	0.97070	0.39316	0.92645	0.08966	9.21781
CCV	5.09211	0.50960	0.97607	0.99822	0.96501	4.92288	0.99458	0.50128	0.14757	0.48027	0.50102	4.79809
CCB	-0.02419	-0.00083	-0.00119	-0.00253	-0.00052	-0.01107	-0.00190	-0.00094	-0.00056	-0.00096	0.00095	0.00424
IP090112-1MB	-0.05076	-0.00059	0.00046	0.00198	-0.00031	-0.00821	0.00018	-0.00089	0.00029	-0.00082	-0.00303	-0.00249
IP090112-1LCS	-0.04752	0.51501	2.00994	2.00850	2.01066	2.07435	0.51202	0.52177	0.00063	0.51292	2.02124	-0.00967
0901043-1	H355.55445	0.00188	0.00179	0.00271	0.00134	11.66495	0.00400	0.74135	-0.01620	-0.00210	0.00051	0.03355
0901043-1D	H359.48240	0.00194	-0.00206	-0.00034	-0.00291	11.75467	0.00047	2.74212	-0.01664	-0.00223	0.00048	0.04831
0901043-1L 5X	H76.56330	0.00107	-0.00190	0.00019	-0.00295	2.39440	-0.00028	0.57871	-0.00878	-0.00128	0.00183	0.01408
0901043-1MS	H361.34941	0.51117	2.05498	2.06034	2.05230	13.80790	0.51171	3.23645	-0.01368	0.48526	2.00491	0.04162
0901043-1MSD	H365.56079	0.51689	2.07471	2.08082	2.07166	13.95128	0.51764	3.25995	-0.01198	0.49071	2.03228	0.03490
0901043-2	H357.40591	0.00230	0.00105	0.00364	-0.00025	11.72141	0.00093	2.73357	-0.01632	-0.00219	0.00583	0.04653
IP090112-2MB	0.08661	0.00199	-0.00126	0.00001	-0.00190	-0.00616	-0.00005	-0.00056	0.00000	-0.00087	0.00139	0.00755
IP090112-2LCS	0.05097	0.50517	1.99039	1.99488	1.98815	1.99359	0.49964	0.49729	-0.01331	0.49404	2.02669	0.00067
CCV	5.07066	0.50161	0.97341	0.97189	0.97417	4.86691	0.99556	0.49595	0.16456	0.48136	0.49629	4.72946
CCB	-0.00022	0.00159	-0.00172	-0.00070	-0.00222	-0.01399	0.00070	-0.00090	-0.00165	-0.00096	0.00035	0.00692
CCV	4.91204	0.49281	0.94713	0.95472	0.94335	4.73485	0.97319	0.49050	0.15736	0.46574	0.49068	4.65738
CCB	-0.01577	0.00031	-0.00233	-0.00417	-0.00141	-0.01770	0.00018	-0.00080	0.00057	-0.00074	0.00072	-0.00091
0901040-1 10X	0.82226	0.00120	-0.00142	-0.00020	-0.00203	3.82455	-0.00028	1.21170	-0.00065	-0.00098	-0.00108	-0.00215
0901040-2 10X	0.52407	0.00060	-0.00139	-0.00110	-0.00154	5.32044	0.00261	2.02186	0.00059	-0.00095	-0.00058	0.00426
0901040-2D 10X	0.50786	-0.00084	-0.00286	-0.00455	-0.00202	5.50091	-0.00179	2.03178	0.00055	-0.00092	-0.00009	-0.00360
0901040-2L 50X	0.09633	-0.00021	-0.00199	-0.00320	-0.00139	1.10736	-0.00179	0.43267	0.00013	-0.00095	-0.00169	0.00022
0901040-2MS 10X	0.50462	0.05274	0.19479	0.19909	0.19265	5.62588	0.05027	2.09212	-0.00149	0.04579	0.20526	0.00599
0901040-2MSD 10X	0.50073	0.05067	0.19821	0.19940	0.19761	5.71547	0.05149	2.09969	-0.00107	0.04603	0.20715	0.00192
0901040-3 10X	0.43721	0.00017	-0.00085	-0.00083	-0.00086	3.74174	-0.00103	1.82778	-0.00132	-0.00102	0.00151	-0.00480
ZZZ	2.22583	0.00037	-0.00111	-0.00099	-0.00118	1.93615	-0.00011	0.53168	0.00127	-0.00088	-0.00043	0.00383
0901040-5 10X	1.91115	-0.00103	-0.00135	0.00005	-0.00205	3.32796	-0.00150	0.47165	-0.00021	-0.00093	0.00193	-0.00767
IP090112-5MB	0.05615	0.00123	-0.00219	-0.00278	-0.00189	0.08941	0.00556	-0.00093	0.00028	-0.00087	-0.00015	0.00043
CCV	5.13112	0.51224	0.98258	0.99285	0.97745	4.90685	1.02048	0.50256	0.16016	0.47905	0.49567	4.75532
CCB	-0.01253	0.00015	-0.00031	-0.00374	0.00139	-0.00469	-0.00265	-0.00075	0.00183	-0.00082	0.00404	-0.01099
IP090112-5LCS	0.05097	0.49230	1.80818	1.83566	1.79447	1.83999	0.50358	0.49548	-0.01319	0.48201	2.00168	-0.00605
0901037-1	5.15778	0.01093	-0.00145	-0.00143	-0.00146	8.09890	0.03766	1.25949	0.01415	1.54370	0.00071	0.02561
0901037-2	10.53217	0.01136	0.00030	-0.00424	0.00256	7.08227	0.04824	2.33059	0.00965	1.49044	-0.00301	0.04587
0901037-3	12.86960	0.01251	0.00056	-0.00048	0.00108	8.11471	0.05765	1.19013	0.01578	1.51209	-0.00399	0.04046
0901050-1	1.56669	0.00730	-0.00039	-0.00404	0.00144	6.05724	0.02845	0.09064	0.01491	0.55927	-0.00319	0.05096
0901050-2	1.01481	0.01080	-0.00325	L-0.01292	0.00158	7.21223	0.03265	0.02484	0.05426	1.02361	-0.00480	0.07284
0901050-2D	1.62312	0.00975	-0.00211	L-0.01504	0.00434	6.07588	0.02390	0.03054	0.05594	1.05141	-0.00443	0.05886
0901050-2L 5X	0.19936	0.00196	-0.00200	-0.00280	-0.00160	1.50190	0.00399	0.00451	0.01604	0.20861	-0.00198	0.00715
0901050-2MS	0.81059	0.19935	1.66041	1.68164	1.64981	10.83033	0.50935	0.50595	0.04332	1.17202	1.88219	0.07527
0901050-2MSD	1.09586	0.21362	1.70673	1.72482	1.69770	8.83562	0.52694	0.51893	0.04379	1.17704	1.92782	0.06532
CCV	5.03230	0.50826	0.97666	0.98734	0.97132	4.84044	1.02113	0.49844	0.16474	0.47112	0.50973	4.65313
CCB	-0.03067	0.00162	-0.00177	-0.00102	-0.00215	-0.01500	-0.00115	-0.00098	0.00154	-0.00089	0.00100	0.00469
0901050-3	0.79892	0.01113	-0.00108	L-0.00725	0.00201	5.89199	0.02937	0.10464	0.05360	1.15785	-0.00853	0.06368
0901050-4	1.01417	0.00907	0.00125	L-0.00868	0.00621	5.97836	0.02787	0.07184	0.04215	1.21065	-0.00533	0.06992

Sample Id1	S	Sb	Se	Se I	Se II	Si	Sn	Sr	Th	Ti	Tl	U
0901050-5	1.09068	0.00874	0.00510	-0.00325	0.00927	5.86721	0.03186	0.03002	0.05020	1.40576	L-0.01107	0.04161
0901040-1 100X	0.06458	0.00181	-0.00125	-0.00374	-0.00001	0.43414	-0.00237	0.12580	0.00191	-0.00057	-0.00076	-0.00612
0901040-2 100X	0.03218	0.00088	-0.00256	-0.00432	-0.00168	0.49539	-0.00150	0.20129	0.00054	-0.00064	-0.00055	-0.00333
0901040-2D 100X	0.03672	0.00382	-0.00138	0.00085	-0.00250	0.53902	-0.00144	0.21384	0.00181	-0.00067	0.00335	0.00336
0901040-2L 500X	-0.00346	0.00167	-0.00185	-0.00150	-0.00203	0.09204	-0.00069	0.04088	0.00113	-0.00091	-0.00067	0.00527
0901040-2MS 100X	0.03931	0.00715	0.01635	0.01555	0.01675	0.55838	0.00243	0.22209	0.00051	0.00402	0.01888	-0.00493
0901040-2MSD 100X	0.03542	0.00600	0.01744	0.01707	0.01762	0.56529	0.00312	0.22221	0.00829	0.00470	0.02220	0.00715
0901040-3 100X	0.02764	0.00363	-0.00175	-0.00128	-0.00199	0.41075	-0.00034	0.19264	-0.00014	-0.00070	0.00066	-0.00117
CCV	4.99395	0.50502	0.95504	0.96602	0.94956	4.79274	1.00784	0.49653	0.15870	0.46839	0.50402	4.65719
CCB	-0.02938	0.00213	-0.00061	-0.00109	-0.00037	-0.01452	-0.00132	-0.00095	0.00017	-0.00107	0.00017	-0.00673
0901040-4 10X	2.19533	0.00108	-0.00104	-0.00038	-0.00138	2.11307	-0.00011	0.52164	0.00252	-0.00064	0.00253	-0.00576
0901040-5 100X	0.17604	0.00218	-0.00151	0.00060	-0.00256	0.42809	-0.00080	0.05234	0.00070	-0.00077	-0.00012	0.00642
0901050-2 2X	0.52471	0.00508	-0.00349	L-0.00958	-0.00045	8.20299	0.01636	0.01354	0.03046	0.61337	-0.00562	0.02934
0901050-2D 2X	0.83328	0.00441	-0.00124	L-0.00507	0.00067	7.39937	0.01650	0.01610	0.03236	0.59176	-0.00243	0.02633
0901050-2L 10X	0.09503	-0.00236	-0.00145	L-0.00859	0.00212	1.67070	0.00102	0.00211	0.01116	0.12391	-0.00382	-0.02127
0901050-2MS 2X	0.43138	0.09824	0.91725	0.92334	0.91420	7.47962	0.27056	0.26613	0.02477	0.62840	1.01112	0.03203
0901050-2MSD 2X	0.58305	0.10227	0.92001	0.93027	0.91489	7.20974	0.27392	0.27169	0.02135	0.62098	1.02452	0.02955
0901050-3 2X	0.39768	0.00514	-0.00156	L-0.00868	0.00200	5.52656	0.01470	0.05383	0.03182	0.59742	-0.00173	0.02764
0901050-4 2X	0.53120	0.00531	0.00061	L-0.00553	0.00368	6.18603	0.01625	0.03709	0.02544	0.65202	-0.00528	0.02594
0901050-5 3X	0.37499	0.00454	0.00049	-0.00189	0.00167	3.61957	0.00978	0.01016	0.02071	0.49794	-0.00442	0.02328
CCV	4.90489	0.50444	0.95542	0.96975	0.94827	4.70561	0.99404	0.49263	0.15874	0.45375	0.49651	4.59529
CCB	-0.02808	-0.00021	0.00085	0.00134	0.00059	-0.01727	-0.00121	-0.00093	0.00305	-0.00093	0.00074	0.00200
0901050-2A	0.92534	0.98847	3.52332	3.60709	3.48149	16.85350	1.02699	0.97578	0.03456	1.91042	3.89158	0.06215
CRI	0.14039	0.12881	0.00798	0.00794	0.00800	0.09287	0.10772	0.02456	0.08747	0.01987	0.02249	0.19592
ICSA	-0.03197	0.00559	-0.00643	L-0.01182	-0.00374	-0.02039	-0.00236	0.00039	-0.00512	-0.00108	-0.00305	0.03440
ICSAB	0.92469	0.59675	0.04068	0.04034	0.04085	0.89714	0.97955	0.96063	0.37854	0.88979	0.09123	8.93198
CCV	4.86264	0.50171	0.94653	0.95791	0.94085	4.71396	0.99766	0.49303	0.15694	0.45722	0.49898	4.59794
CCB	-0.03132	0.00119	-0.00120	0.00056	-0.00207	-0.01912	-0.00121	-0.00092	0.00257	-0.00094	-0.00162	0.00714

Sample Id1	V	Zn	Zr
MIXBHGH	4.86049	9.61082	L-0.04544
MIXAHIGH	-0.00489	0.01399	0.00331
MIXCHIGH	-0.00689	-0.00230	H5.01826
ICV	0.24993	0.51657	0.52377
ICB	-0.00022	-0.00245	-0.00100
CRI	0.10505	0.04444	0.05164
ICSA	-0.00200	0.00260	0.00112
ICSAB	0.45717	0.90672	0.48396
CCV	0.47989	0.97850	1.00746
CCB	0.00013	-0.00186	-0.00139
IP090112-1MB	-0.00023	0.00340	-0.00160
IP090112-1LCS	0.51243	0.53136	-0.00312
0901043-1	0.00129	0.00416	-0.00606
0901043-1D	0.00205	0.00197	-0.00631
0901043-1L 5X	0.00041	-0.00073	-0.00106
0901043-1MS	0.48994	0.50145	-0.00840
0901043-1MSD	0.49566	0.51128	-0.00859
0901043-2	0.00192	0.00172	-0.00653
IP090112-2MB	0.00022	0.00252	-0.00133
IP090112-2LCS	0.49426	0.50153	-0.00200
CCV	0.47929	0.99222	1.00379
CCB	0.00021	-0.00165	-0.00112
CCV	0.46792	0.94125	0.98943
CCB	-0.00025	-0.00132	-0.00139
0901040-1 10X	0.00023	0.00306	-0.00196
0901040-2 10X	-0.00056	0.00184	-0.00267
0901040-2D 10X	-0.00065	-0.00068	-0.00295
0901040-2L 50X	-0.00045	-0.00081	-0.00084
0901040-2MS 10X	0.04724	0.04848	-0.00273
0901040-2MSD 10X	0.04737	0.04979	-0.00281
0901040-3 10X	-0.00015	-0.00098	-0.00230
ZZZ	0.00020	0.00058	-0.00107
0901040-5 10X	-0.00015	0.00041	-0.00193
IP090112-5MB	-0.00017	-0.00085	-0.00156
CCV	0.48511	0.99105	1.02381
CCB	-0.00034	-0.00144	-0.00161
IP090112-5LCS	0.49166	0.48678	-0.00196
0901037-1	0.14377	7.90767	0.07500
0901037-2	0.16960	7.81038	0.06749
0901037-3	0.16396	7.36928	0.06286
0901050-1	0.14702	0.18933	0.07079
0901050-2	0.27223	0.23800	0.15675
0901050-2D	0.28015	0.23636	0.15537
0901050-2L 5X	0.05420	0.04958	0.03144
0901050-2MS	0.73284	0.76808	0.14876
0901050-2MSD	0.75026	0.81485	0.14661
CCV	0.48396	0.99193	1.01604
CCB	0.00005	-0.00157	-0.00143
0901050-3	0.26356	0.17949	0.14937
0901050-4	0.23995	0.26753	0.09625

Sample Id1	V	Zn	Zr
0901050-5	0.25993	0.19821	0.13428
0901040-1 100X	-0.00051	0.00546	-0.00071
0901040-2 100X	-0.00024	0.00096	-0.00064
0901040-2D 100X	0.00025	-0.00022	-0.00057
0901040-2L 500X	-0.00012	-0.00064	-0.00046
0901040-2MS 100X	0.00448	0.00420	-0.00073
0901040-2MSD 100X	0.00456	0.00580	-0.00105
0901040-3 100X	0.00005	-0.00035	-0.00054
CCV	0.47925	0.96630	1.01064
CCB	-0.00017	-0.00161	-0.00125
0901040-4 10X	-0.00024	0.00214	-0.00131
0901040-5 100X	0.00019	-0.00047	-0.00045
0901050-2 2X	0.13990	0.12466	0.08115
0901050-2D 2X	0.14341	0.12685	0.07999
0901050-2L 10X	0.02632	0.02436	0.01474
0901050-2MS 2X	0.38932	0.41343	0.07871
0901050-2MSD 2X	0.39222	0.42525	0.07722
0901050-3 2X	0.13424	0.09062	0.07565
0901050-4 2X	0.12295	0.13796	0.05140
0901050-5 3X	0.08951	0.06726	0.04780
CCV	0.47201	0.93428	0.99846
CCB	-0.00018	-0.00157	-0.00136
0901050-2A	1.18534	1.14140	0.13901
CRI	0.10594	0.04356	0.05225
ICSA	-0.00071	0.00222	0.00099
ICSAB	0.46049	0.89069	0.48582
CCV	0.47383	0.94175	1.00063
CCB	0.00003	-0.00140	-0.00105

Method : Paragon
SampleId1 : BLANK
Analysis commenced : 1/13/2009 12:52:28
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:25
[STD]

Position : TUBE1

Raw intensities

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.353	2.200	4.662	1.119	0.226	4.306	2.476	2.288	1.696
#2	1.353	2.198	4.651	1.118	0.225	4.306	2.444	2.291	1.689
Mean	1.353	2.199	4.656	1.119	0.226	4.306	2.460	2.290	1.693
%RSD	0.000	0.064	0.167	0.063	0.314	0.000	0.920	0.093	0.292

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.522	2.675	0.801	0.668	7.460	1.110	1.501	0.163	1.390
#2	1.526	2.673	0.802	0.673	7.457	1.114	1.513	0.164	1.396
Mean	1.524	2.674	0.802	0.671	7.459	1.112	1.507	0.164	1.393
%RSD	0.186	0.053	0.088	0.527	0.028	0.254	0.563	0.432	0.305

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.565	3.168	1.244	36.689	11.467	0.202	3.595	7.340	5.691
#2	1.565	3.195	1.221	36.664	11.532	0.200	3.578	7.347	5.692
Mean	1.565	3.182	1.233	36.677	11.500	0.201	3.587	7.344	5.691
%RSD	0.000	0.600	1.320	0.048	0.400	0.704	0.335	0.067	0.012

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	4.101	1.416	0.426	7.223	2.493	5.586	1.772	1.879	0.404
#2	4.109	1.412	0.425	7.223	2.482	5.663	1.788	1.878	0.405
Mean	4.105	1.414	0.426	7.223	2.487	5.625	1.780	1.878	0.405
%RSD	0.138	0.200	0.166	0.000	0.313	0.968	0.636	0.038	0.175

	Zr	Pb	Se
	Reading	Reading	Reading
#1	3.192		
#2	3.196		
Mean	3.194	0.000	0.000
%RSD	0.089	0.000	0.000

Method : Paragon
SampleId1 : RL
Analysis commenced : 1/13/2009 12:55:00
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:25
[STD]

Position : TUBE2

Raw intensities

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
	#1	1.354	2.537	2.555	0.316	5.668	2.411	3.897	1.786
	#2	1.342	2.541	2.535	0.314	5.686	2.417	3.886	1.765
Mean	1.348	2.539	4.715	2.545	0.315	5.677	2.414	3.892	1.776
	%RSD	0.629	0.111	0.556	0.449	0.224	0.176	0.200	0.836
	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
	#1	1.544	0.813	1.684	8.885	3.906	2.444	0.215	1.857
	#2	1.529	0.812	1.676	8.812	3.907	2.442	0.214	1.858
Mean	1.537	2.717	0.813	1.680	8.849	3.907	2.443	0.215	1.858
	%RSD	0.690	0.087	0.337	0.583	0.018	0.058	0.330	0.038
	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
	#1	10.478	3.575	35.659	11.177	0.248	3.661	7.314	5.662
	#2	10.561	3.524	35.214	11.281	0.242	3.641	7.197	5.673
Mean	10.520	3.550	1.793	35.436	11.229	0.245	3.651	7.256	5.668
	%RSD	0.558	1.016	0.888	0.655	1.732	0.387	1.140	0.137
	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
	#1	4.811	1.485	7.249	4.448	5.592	1.947	1.925	0.470
	#2	4.803	1.470	7.180	4.439	5.639	1.934	1.893	0.464
Mean	4.807	1.478	2.308	7.214	4.444	5.616	1.941	1.909	0.467
	%RSD	0.118	0.718	0.676	0.143	0.592	0.474	1.185	0.908
	Zr	Pb	Se						
	Reading	Reading	Reading						
	#1	3.852							
	#2	3.830							
Mean	3.841	0.000	0.000						
	%RSD	0.405	0.000						

Method : Paragon File : 090113A Printed : 1/13/2009 16:36:25
SampleId1 : B3 **SampleId2 :**
Analysis commenced : 1/13/2009 12:57:00
Dilution ratio : 1.00000 to 1.00000 Tray :
Position : TUBE3

Raw intensities

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
	#1	1.937	2.224	3.936	4.752	16.761	2.499	2.293	8.147
	#2	1.919	2.220	3.937	4.764	16.746	2.474	2.268	8.113
Mean	1.928	2.222	6.528	3.936	4.758	16.754	2.487	2.281	8.130
	%RSD	0.660	0.127	0.018	0.178	0.063	0.711	0.775	0.296
	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
	#1	1.937	2.224	3.936	4.752	16.761	2.499	2.293	8.147
	#2	1.919	2.220	3.937	4.764	16.746	2.474	2.268	8.113
Mean	1.928	2.222	6.528	3.936	4.758	16.754	2.487	2.281	8.130
	%RSD	0.660	0.127	0.018	0.178	0.063	0.711	0.775	0.296

Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	3.399	10.322	2.465	0.681	7.555	1.127
#2	3.380	10.290	2.467	0.677	7.478	1.111
Mean	3.390	10.306	2.466	0.679	7.517	1.119
%RSD	0.396	0.220	0.057	0.417	0.724	0.558

Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.460	12.809	6.539	49.661	19.133	0.206
#2	1.446	12.705	6.506	49.190	19.015	0.207
Mean	1.453	12.757	6.523	49.426	19.074	0.207
%RSD	0.681	0.576	0.358	0.674	0.437	0.342

Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	11.638	2.409	18.100	8.138	21.906	7.466
#2	11.631	2.403	18.196	8.051	21.969	7.476
Mean	11.635	2.406	18.148	8.095	21.938	7.471
%RSD	0.043	0.176	0.374	0.760	0.203	0.095

Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	3.411					
#2	3.356					
Mean	3.384	0.000	0.000	0.000	0.000	0.000
%RSD	1.149	0.000	0.000	0.000	0.000	0.000

Method : Paragon
SampleId1 : B2
Analysis commenced : 1/13/2009 12:58:57
Dilution ratio : 1.00000 to 1.00000

File : 090113A
SampleId2 :
Tray :
Position : TUBE4

Raw intensities

Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	6.817	2.312	22.591	44.755	125.685	2.524
#2	6.813	2.311	22.422	44.860	126.060	2.545
Mean	6.815	2.311	22.507	44.808	125.873	2.535
%RSD	0.042	0.031	0.531	0.166	0.211	0.586

Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	19.423	76.672	17.298	0.694	7.232	1.084
#2	19.441	76.881	17.321	0.700	7.260	1.089
Mean	19.432	76.777	17.310	0.697	7.246	1.087
%RSD	0.065	0.192	0.094	0.609	0.273	0.325

Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	19.423	76.672	17.298	0.694	7.232	1.084
#2	19.441	76.881	17.321	0.700	7.260	1.089
Mean	19.432	76.777	17.310	0.697	7.246	1.087
%RSD	0.065	0.192	0.094	0.609	0.273	0.325

#1	1.465	95.551	52.829	156.421	84.160	0.201	7.973	17.627	22.811
#2	1.463	95.935	52.998	156.426	84.147	0.204	7.997	17.651	22.778
Mean	1.464	95.743	52.914	156.424	84.154	0.203	7.985	17.639	22.795
%RSD	0.097	0.284	0.226	0.002	0.011	1.048	0.213	0.096	0.102

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	77.839	10.828	172.920	14.844	193.073	23.244	1.764	28.618	14.522
#2	77.979	10.841	173.328	14.882	193.540	23.091	1.757	28.675	14.564
Mean	77.909	10.834	173.124	14.863	193.307	23.168	1.761	28.647	14.543
%RSD	0.127	0.085	0.167	0.181	0.171	0.467	0.281	0.141	0.204

	Zr	Pb	Se
	Reading	Reading	Reading
#1	4.631		
#2	4.629		
Mean	4.630	0.000	0.000
%RSD	0.031	0.000	0.000

Method : Paragon File : 090113A
SampleId1 : B1 SampleId2 :
Analysis commenced : 1/13/2009 13:00:54
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:26
[STD]

Position : TUBE5

Raw intensities

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	56.970	3.786	186.736	279.296	427.788	1243.045	3.883	1.615	622.615
#2	57.214	3.809	187.897	280.473	430.167	1245.994	3.869	1.622	623.782
Mean	57.092	3.798	187.317	279.885	428.977	1244.519	3.876	1.619	623.199
%RSD	0.302	0.428	0.438	0.297	0.392	0.168	0.255	0.306	0.132

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	185.463	764.634	167.600	1.186	7.655	1.252	1.835	252.812	487.291
#2	185.935	767.058	168.557	1.186	7.620	1.249	1.827	253.706	489.151
Mean	185.699	765.846	168.079	1.186	7.638	1.251	1.831	253.259	488.221
%RSD	0.180	0.224	0.403	0.000	0.324	0.170	0.309	0.250	0.269

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.987	947.124	481.022	1284.511	760.667	0.288	49.299	112.897	181.520
#2	1.991	949.794	486.998	1288.383	759.572	0.294	49.429	113.229	180.868
Mean	1.989	948.459	484.010	1286.447	760.120	0.291	49.364	113.063	181.194
%RSD	0.142	0.199	0.873	0.213	0.102	1.458	0.186	0.208	0.254

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	734.549	98.041	1544.730	87.232	1962.458	187.639	2.144	275.343	144.433

#2	739.325	98.386	1554.128	87.485	1970.309	188.569	2.138	276.068	144.763
Mean	736.937	98.214	1549.429	87.358	1966.384	188.104	2.141	275.706	144.598
%RSD	0.458	0.248	0.429	0.205	0.282	0.350	0.198	0.186	0.161

Zr	Pb	Se
Reading	Reading	Reading
#1		
#2		
Mean	0.000	0.000
%RSD	0.000	0.000

Method : Paragon
 File : 090113A
 SampleId1 : A3
 SampleId2 :
 Analysis commenced : 1/13/2009 13:02:52
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:26
 [STD]

Position : TUBE6

Raw intensities

Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.309	4.644	1.309	0.238	4.298	2.364	40.121	1.670
#2	1.313	4.707	1.293	0.242	4.284	2.367	40.088	1.666
Mean	1.311	4.675	1.301	0.240	4.291	2.366	40.105	1.668
%RSD	0.216	0.953	0.870	1.179	0.231	0.090	0.058	0.170

Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.471	0.786	38.646	16.275	16.532	23.492	0.175	1.562
#2	1.476	0.788	38.516	16.255	16.460	23.411	0.175	1.544
Mean	1.474	0.787	38.581	16.265	16.496	23.452	0.175	1.553
%RSD	0.240	0.180	0.238	0.087	0.309	0.244	0.000	0.820

Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	47.123	1.242	35.884	11.305	0.203	3.559	7.283	5.655
#2	46.842	1.212	35.836	11.298	0.200	3.589	7.288	5.605
Mean	46.983	1.227	35.860	11.302	0.202	3.574	7.286	5.630
%RSD	0.423	1.729	0.095	0.044	1.053	0.594	0.049	0.628

Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	4.252	0.498	7.967	2.559	5.556	1.806	1.844	0.411
#2	4.207	0.504	7.971	2.571	5.574	1.811	1.843	0.408
Mean	4.230	0.501	7.969	2.565	5.565	1.809	1.844	0.410
%RSD	0.752	0.847	0.035	0.331	0.229	0.195	0.038	0.518

Zr	Pb	Se
Reading	Reading	Reading
#1		
#2		

Mean 3.105 0.000 0.000NCH
%RSD 0.661 0.000 0.000

Method : Paragon File : 090113A
SampleId1 : A2
SampleId2 :
Analysis commenced : 1/13/2009 13:04:49
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:26
[STD]

Position : TUBE7

Raw intensities

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.362	164.986	5.253	1.287	0.225	4.330	2.374	359.422	1.702
#2	1.350	165.445	5.279	1.273	0.224	4.322	2.384	359.334	1.706
Mean	1.356	165.216	5.266	1.280	0.225	4.326	2.379	359.378	1.704
%RSD	0.626	0.196	0.349	0.773	0.315	0.131	0.297	0.017	0.166

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.508	2.929	0.791	348.845	122.526	198.378	209.771	0.223	1.759
#2	1.504	2.912	0.790	349.266	122.956	199.001	210.011	0.223	1.765
Mean	1.506	2.920	0.791	349.056	122.741	198.690	209.891	0.223	1.762
%RSD	0.188	0.412	0.089	0.085	0.248	0.222	0.081	0.000	0.241

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	498.115	3.156	1.314	41.588	13.133	0.212	4.402	8.658	6.633
#2	499.439	3.107	1.289	41.379	13.035	0.207	4.376	8.596	6.639
Mean	498.777	3.132	1.301	41.484	13.084	0.210	4.389	8.627	6.636
%RSD	0.188	1.106	1.358	0.356	0.530	1.688	0.419	0.508	0.064

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	4.466	1.599	0.535	13.086	2.823	6.289	2.267	2.101	0.534
#2	4.445	1.591	0.533	13.101	2.817	6.291	2.239	2.084	0.534
Mean	4.456	1.595	0.534	13.094	2.820	6.290	2.253	2.093	0.534
%RSD	0.333	0.355	0.265	0.081	0.150	0.022	0.879	0.574	0.000

	Zr	Pb	Se
	Reading	Reading	Reading
#1	3.307		
#2	3.303		
Mean	3.305	0.000	0.000
%RSD	0.086	0.000	0.000

Method : Paragon File : 090113A
SampleId1 : A1
SampleId2 :
Analysis commenced : 1/13/2009 13:06:46
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:27
[STD]

Position : TUBE8

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.539	1469.061	12.050	2.146	0.279	5.382	2.879	2927.686	2.466
#2	1.537	1463.805	11.924	2.154	0.280	5.376	2.889	2928.433	2.427
Mean	1.538	1466.433	11.987	2.150	0.280	5.379	2.884	2928.060	2.447
%RSD	0.092	0.253	0.743	0.263	0.253	0.079	0.245	0.018	1.127

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	2.133	4.131	0.945	2452.142	1077.626	2211.515	1915.089	0.733	5.202
#2	2.138	4.146	0.949	2452.725	1074.247	2199.689	1914.910	0.733	5.208
Mean	2.136	4.139	0.947	2452.434	1075.937	2205.602	1915.000	0.733	5.205
%RSD	0.166	0.256	0.299	0.017	0.222	0.379	0.007	0.000	0.082

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	2871.440	4.250	2.407	102.457	33.229	0.352	13.247	23.209	17.646
#2	2864.774	4.287	2.398	102.645	33.342	0.349	13.223	23.053	17.716
Mean	2868.107	4.268	2.403	102.551	33.286	0.351	13.235	23.131	17.681
%RSD	0.164	0.613	0.265	0.130	0.240	0.605	0.128	0.477	0.280

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	5.968	3.765	1.374	25.754	4.041	14.757	4.388	3.354	1.794
#2	5.969	3.769	1.375	25.765	4.051	14.769	4.413	3.386	1.796
Mean	5.969	3.767	1.375	25.760	4.046	14.763	4.401	3.370	1.795
%RSD	0.012	0.075	0.051	0.030	0.175	0.057	0.402	0.671	0.079

	Zr	Pb	Se
	Reading	Reading	Reading
#1	4.146		
#2	4.154		
Mean	4.150	0.000	0.000
%RSD	0.136	0.000	0.000

Method : Paragon File : 090113A
SampleId1 : C3 SampleId2 :
Analysis commenced : 1/13/2009 13:08:43
Dilution ratio : 1.00000 to 1.00000 Tray :
Position : TUBE9

Printed : 1/13/2009 16:36:27

[STD]

Raw intensities

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.387	2.292	4.497	1.187	0.227	4.260	3.048	2.508	1.657
#2	1.384	2.407	4.556	1.177	0.228	4.249	3.074	2.746	1.692
Mean	1.386	2.350	4.527	1.182	0.228	4.255	3.061	2.627	1.675
%RSD	0.153	3.461	0.922	0.598	0.311	0.183	0.601	6.406	1.478

ted: 1/13/2009 16:36:28 User: ROY FRENCH

	Co	Cr	Fe	K	Li	Mg	Mn	Mo
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.508	2.735	0.938	7.565	1.230	1.719	0.164	1.360
#2	1.504	2.735	1.229	7.614	1.293	1.867	0.165	1.373
Mean	1.506	2.735	1.083	7.590	1.261	1.793	0.165	1.367
%RSD	0.188	0.000	18.991	0.457	3.531	5.837	0.430	0.673

	Na	Ni	Pb I	Pb II	S	Sb	Se I	Se II
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	2.047	3.186	35.963	11.316	0.605	3.517	7.234	5.541
#2	2.230	3.169	36.120	11.445	0.605	3.509	7.211	5.558
Mean	2.139	3.178	36.042	11.381	0.605	3.513	7.223	5.550
%RSD	6.051	0.378	0.308	0.802	0.000	0.161	0.225	0.217

	Si	Sn	Th	Ti	Tl	U	V	Zn
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	4.053	1.370	8.105	2.555	5.518	2.971	1.892	0.401
#2	4.057	1.384	8.118	2.546	5.450	2.982	1.880	0.398
Mean	4.055	1.377	8.112	2.551	5.484	2.977	1.886	0.400
%RSD	0.070	0.719	0.113	0.250	0.877	0.261	0.450	0.531

	Zr	Pb	Se
	Reading	Reading	Reading
#1	10.325		
#2	10.288		
Mean	10.307	0.000	0.000
%RSD	0.254	0.000	0.000

Method : Paragon File : 090113A
SampleId1 : C2 SampleId2 :
Analysis commenced : 1/13/2009 13:10:40
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:27

[STD]

Position : TUBE10

Raw intensities

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.696	2.376	4.461	1.221	0.219	4.698	8.841	2.261	1.671
#2	1.701	2.470	4.412	1.231	0.223	4.690	8.791	2.456	1.662
Mean	1.699	2.423	4.437	1.226	0.221	4.694	8.816	2.359	1.667
%RSD	0.208	2.743	0.781	0.577	1.280	0.121	0.401	5.846	0.382

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.509	3.479	0.895	0.771	7.238	1.097	2.209	0.190	1.348
#2	1.514	3.524	0.896	0.989	7.318	1.169	2.333	0.192	1.320
Mean	1.512	3.502	0.896	0.880	7.278	1.133	2.271	0.191	1.334
%RSD	0.234	0.909	0.079	17.517	0.777	4.494	3.861	0.740	1.484

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.624	3.161	1.184	36.180	11.507	4.139	3.417	7.157	5.466
#2	1.847	3.172	1.171	36.437	11.436	4.130	3.452	7.091	5.431
Mean	1.736	3.167	1.178	36.308	11.471	4.135	3.435	7.124	5.449
%RSD	9.086	0.246	0.781	0.501	0.438	0.154	0.721	0.655	0.454

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	4.575	1.387	0.437	16.271	2.856	5.375	13.532	2.098	0.396
#2	4.588	1.384	0.449	16.320	2.893	5.397	13.494	2.099	0.397
Mean	4.582	1.386	0.443	16.296	2.874	5.386	13.513	2.099	0.397
%RSD	0.201	0.153	1.915	0.213	0.910	0.289	0.199	0.034	0.178

	Zr	Pb	Se
	Reading	Reading	Reading
#1	73.023		
#2	72.821		
Mean	72.922	0.000	0.000
%RSD	0.196	0.000	0.000

Method : Paragon
File : 090113A
SampleId1 : C1
SampleId2 :
Analysis commenced : 1/13/2009 13:12:38
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:28
[STD]

Position : TUBE11

Raw intensities

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	5.468	4.841	5.109	2.374	0.254	9.820	67.119	2.639	2.149
#2	5.465	4.857	5.080	2.369	0.252	9.808	67.141	2.639	2.142
Mean	5.467	4.849	5.095	2.372	0.253	9.814	67.130	2.639	2.146
%RSD	0.039	0.233	0.403	0.149	0.559	0.086	0.023	0.000	0.231

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	2.184	12.170	2.138	1.823	7.532	1.269	9.206	0.491	1.570
#2	2.173	12.180	2.146	1.823	7.510	1.268	9.204	0.490	1.573
Mean	2.179	12.175	2.142	1.823	7.521	1.269	9.205	0.491	1.572
%RSD	0.357	0.058	0.264	0.000	0.207	0.056	0.015	0.144	0.135

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.464	4.436	1.450	52.503	17.976	39.048	3.980	8.572	6.311
#2	1.460	4.455	1.455	52.241	17.993	38.914	3.967	8.536	6.260
Mean	1.462	4.446	1.453	52.372	17.984	38.981	3.974	8.554	6.286
%RSD	0.193	0.302	0.243	0.354	0.067	0.243	0.231	0.298	0.574

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading

	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	11.096	1.739	0.737	101.451	7.476	6.291	118.653	5.127	0.458
#2	11.116	1.724	0.738	101.361	7.517	6.225	118.863	5.107	0.457
Mean	11.106	1.732	0.738	101.406	7.497	6.258	118.758	5.117	0.458
%RSD	0.127	0.613	0.096	0.063	0.387	0.746	0.125	0.276	0.155

	Zr	Pb	Se
	Reading	Reading	Reading
#1	711.428		
#2	711.304		
Mean	711.366	0.000	0.000
%RSD	0.012	0.000	0.000

Line calibration information

Analyte	Reporting name	C0	C1	C2	C3	Correlation coefficient	Low limit	High limit	Date of last regression
Ag 328.068	Ag	0.0004536	0.0394211	-0.0000122	0	1.0000	-0.019	51.546	1/13/2009 13:14:14
Al 308.215	Al	-0.0312126	0.3168255	0.00003	0	1.0000	0.063	1394.280	1/13/2009 13:14:14
As 189.042/2	As	0.0053605	0.0315013	-0.0000038	0	1.0000	-0.188	167.226	1/13/2009 13:14:15
B 249.678/2	B	-0.0078032	0.042556	-0.000003	0	1.0000	0.139	245.134	1/13/2009 13:14:15
Ba 493.409	Ba	-0.0005872	0.026226	0.0000029	0	1.0000	0.004	379.849	1/13/2009 13:14:15
Be 313.042	Be	-0.0036835	0.0008655	0.0000000	0	1.0000	4.306	1244.519	1/13/2009 13:14:16
Bi 223.061	Bi	0.0045818	0.0912235	0.0000156	0	1.0000	-0.040	54.258	1/13/2009 13:14:16
Ca 317.933	Ca	-0.2568215	0.1407379	0.0000145	0	0.99999	1.709	2769.771	1/13/2009 13:14:16
Cd 226.502/2	Cd	-0.0006599	0.0093497	0.0000002	0	1.0000	0.010	528.521	1/13/2009 13:14:17
Co 228.616	Co	0.0000743	0.0298129	-0.0000047	0	1.0000	-0.028	178.729	1/13/2009 13:14:17
Cr 267.716	Cr	-0.0008552	0.0148282	-0.0000006	0	1.0000	-0.013	747.110	1/13/2009 13:14:17
Cu 324.753	Cu	-0.0133166	0.0703306	-0.0000066	0	1.0000	0.194	150.935	1/13/2009 13:14:18
Fe 259.94	Fe	-0.0087899	0.0540257	0.0000124	0	1.0000	0.069	2393.613	1/13/2009 13:14:18
K 766.491	K	-1.316471	0.2122108	0.0000199	0	1.0000	7.459	1075.937	1/13/2009 13:14:18
Li 670.784	Li	0.0016552	0.0024351	-0.0000001	0	1.0000	1.112	2205.602	1/13/2009 13:14:19
Mg 279.078	Mg	-0.0217044	0.2502046	0.0000114	0	0.99997	-0.013	1844.830	1/13/2009 13:14:19
Mn 257.61	Mn	-0.0010394	0.0421268	0.0000047	0	1.0000	0.005	248.199	1/13/2009 13:14:19
Mo 202.03/2	Mo	-0.0012486	0.0237923	-0.0000005	0	1.0000	0.016	442.989	1/13/2009 13:14:20
Na 588.995	Na	0.1483555	0.0420606	0.0000157	0	1.0000	1.565	2868.107	1/13/2009 13:14:20
Ni 231.604	Ni	-0.0014375	0.0138091	-0.0000004	0	1.0000	0.011	800.179	1/13/2009 13:14:20
P 178.287/2	P	-0.0175095	0.0979196	0.0000165	0	1.0000	0.136	473.117	1/13/2009 13:14:21
Pb 220.351	Pb I	0.0026498	0.0090519	-0.0000003	0	1.0000	-0.514	1199.732	1/13/2009 13:14:21
Pb 220.352/2	Pb II	-0.0033912	0.0151337	-0.0000006	0	1.0000	0.168	702.353	1/13/2009 13:14:21
S 182.04/2	S	-0.0760274	1.295842	0.0005517	0	1.0000	0.050	38.028	1/13/2009 13:14:22
Sb 206.838/2	Sb	-0.0006399	0.0543604	-0.0000243	0	1.0000	-0.003	37.430	1/13/2009 13:14:22
Se 196.021	Se I	0.0006757	0.0494383	-0.0000051	0	1.0000	-0.054	102.198	1/13/2009 13:14:22
Se 196.021/2	Se II	-0.0034134	0.0301404	-0.0000032	0	1.0000	0.083	169.052	1/13/2009 13:14:23
Si 288.158	Si	-0.1092585	0.0721769	0.0000008	0	1.0000	1.517	718.423	1/13/2009 13:14:23
Sn 189.989	Sn	0.0000062	0.1156914	-0.0000332	0	1.0000	-0.020	92.934	1/13/2009 13:14:23
Sr 421.552	Sr	-0.0010192	0.007181	0.0000006	0	1.0000	0.045	1348.447	1/13/2009 13:14:24

Method report Paragon

Th 283.73/2	Th	-0.0103385	0.0287366	-0.0000113	0	1.0000	0.314	71.989	1/13/2009 13:14:24
Ti 334.941	Ti	-0.0003873	0.0056385	-0.0000001	0	1.0000	-0.113	1900.355	1/13/2009 13:14:24
Tl 190.864/2	Tl	0.0064808	0.0322753	-0.0000069	0	1.0000	-0.222	160.230	1/13/2009 13:14:25
U 385.958	U	0.0031147	0.4476619	0.0000467	0	1.0000	-0.019	110.413	1/13/2009 13:14:25
V 292.402	V	-0.0002436	0.0193472	-0.0000017	0	1.0000	-0.012	264.419	1/13/2009 13:14:25
Zn 206.2	Zn	-0.0020311	0.0841991	-0.0000127	0	1.0000	0.003	132.452	1/13/2009 13:14:26
Zr 339.198	Zr	-0.0017888	0.0078353	-0.0000002	0	1.0000	0.153	674.602	1/13/2009 13:14:26

Method : Paragon
SampleId1 : MIXBHIGH
SampleId2 :
Analysis commenced : 1/13/2009 13:15:04
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:43
[CV]

Position : TUBE5

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.95392	-0.06851	4.79506	9.64472	9.75186	0.96198	-0.00987	4.82990
#2	1.95339	-0.06881	4.79758	9.65134	9.76993	0.96424	-0.00280	4.83138
Mean	1.95365	-0.06866	4.79632	9.64803	9.76090	0.96311	-0.00634	4.83064
%RSD	0.01924	0.31177	0.03713	0.04855	0.13090	0.16621	78.85029	0.02174

	Co	Cr	Cu	Fe	K	Li	Mg	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.83604	9.71442	9.72197	-0.01063	0.30832	0.00481	-0.05098	9.63738
#2	4.83427	9.72403	9.73610	-0.01117	0.30449	0.00482	-0.05048	9.64563
Mean	4.83516	9.71923	9.72903	-0.01090	0.30640	0.00482	-0.05073	9.64150
%RSD	0.02586	0.06991	0.10268	3.50570	0.88278	0.14878	0.69752	0.06056

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.23355	9.58428	48.07574	9.68089	9.77586	-0.00346	1.94120	4.77022	4.80809
#2	0.23292	9.58344	47.77607	9.67084	9.79906	0.00561	1.94430	4.78592	4.82732
Mean	0.23323	9.58386	47.92590	9.67587	9.78746	0.00108	1.94275	4.77807	4.81771
%RSD	0.19156	0.00622	0.44215	0.07350	0.16756	595.47030	0.11284	0.23231	0.28226

	Si	Sn	Ti	Th	Tl	U	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	48.53055	9.65633	9.69496	1.94902	4.83566	-0.04567	9.60587
#2	48.65772	9.66627	9.70157	1.95325	4.84612	-0.04433	9.61578
Mean	48.59414	9.66130	9.69826	1.95114	4.84089	-0.04500	9.61082
%RSD	0.18505	0.07271	0.04823	0.15327	0.15279	2.11078	0.07292

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.04493	9.74424	4.79548
#2	-0.04595	9.75636	4.81354
Mean	-0.04544	9.75030	4.80451
%RSD	1.59481	0.08790	0.26572

Method : Paragon
SampleId1 : MIXAHIGH
SampleId2 :
Analysis commenced : 1/13/2009 13:17:02
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:43
[CV]

Position : TUBE8

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00068	494.62012	0.00152	0.00416	0.00047	0.00075	0.01154	495.81543	0.00004
#2	0.00005	493.85979	0.00313	0.00342	0.00042	0.00074	0.01363	497.27725	0.00041
Mean	0.00037	494.23995	0.00233	0.00379	0.00045	0.00075	0.01259	496.54634	0.00023
%RSD	121.32746	0.10878	49.15385	13.95265	7.98011	0.48626	11.79170	0.20817	116.26075

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00365	0.00226	-0.00330	198.02614	249.62712	4.95695	495.73757	0.00276	0.00235
#2	0.00359	0.00234	-0.00337	198.44222	249.09856	4.94272	496.49081	0.00287	0.00126
Mean	0.00362	0.00230	-0.00333	198.23418	249.36284	4.94983	496.11419	0.00281	0.00181
%RSD	1.12356	2.50667	1.47606	0.14842	0.14988	0.20329	0.10736	2.94897	42.84426

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	251.82273	0.00315	0.01667	0.00762	-0.00332	0.01468	0.00877	-0.01098	-0.00623
#2	250.62889	0.00305	0.01569	0.01100	-0.00407	0.00043	0.01408	-0.00609	-0.01537
Mean	251.22581	0.00310	0.01618	0.00931	-0.00370	0.00756	0.01142	-0.00853	-0.01080
%RSD	0.33602	2.33967	4.28067	25.68270	14.47573	133.38831	32.90457	40.56458	59.90136

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00433	0.00610	0.00421	0.00453	-0.00094	-0.01238	0.10242	-0.00537	0.01395
#2	0.00266	0.00776	0.00415	0.00804	-0.00102	-0.00774	0.10527	-0.00441	0.01403
Mean	0.00349	0.00693	0.00418	0.00629	-0.00098	-0.01006	0.10384	-0.00489	0.01399
%RSD	33.79739	16.95324	0.89071	39.53653	5.49330	32.65191	1.94111	13.76152	0.39025

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00343	0.00033	-0.00781
#2	0.00318	0.00095	-0.01228
Mean	0.00330	0.00064	-0.01004
%RSD	5.27390	69.10732	31.48140

Method : Paragon
SampleId1 : MIXCHIGH
SampleId2 :
Analysis commenced : 1/13/2009 13:19:00
Dilution ratio : 1.00000 to 1.00000 Tray :
Printed : 1/13/2009 16:36:43
[CV]
Position : TUBE11

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00609	-0.08145	-0.00660	0.01829	-0.00107	0.00441	5.00485	-0.06610	-0.00119
#2	0.00687	-0.07922	-0.00227	0.01887	-0.00104	0.00443	5.03467	-0.06976	-0.00117
Mean	0.00648	-0.08034	-0.00443	0.01858	-0.00105	0.00442	5.01976	-0.06793	-0.00118
%RSD	8.60427	1.96522	69.12611	2.21348	1.69252	0.35793	0.42008	3.81030	1.02621

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#2	0.00435	-0.00739	-0.00424	-0.00274	0.28791	0.00512	0.00338
	0.00438	-0.00623	-0.00334	-0.00468	0.29578	0.00511	0.00350
Mean	0.00436	-0.00681	-0.00379	-0.00371	0.29185	0.00511	0.00344
%RSD	0.45889	12.03379	16.65107	37.05698	1.90509	0.10514	2.41240
							111.50423

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
#1	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#2	0.22765	-0.00167	0.00854	-0.00829	0.00159	49.81541	0.00088	-0.00288	-0.00236
	0.22462	-0.00084	0.00325	-0.00720	0.00002	49.99600	0.00104	-0.00083	0.00189
Mean	0.22614	-0.00125	0.00589	-0.00775	0.00081	49.90570	0.00096	-0.00185	-0.00024
%RSD	0.94824	47.03378	63.43863	9.94729	137.12266	0.25588	11.65380	78.43138	1269.21974

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
#1	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#2	-0.04701	0.01394	0.00069	-0.26079	0.00762	0.00036	50.11152	-0.00684	-0.00265
	-0.04656	0.01350	0.00069	-0.25988	0.00787	-0.00004	50.08954	-0.00694	-0.00195
Mean	-0.04679	0.01372	0.00069	-0.26033	0.00775	0.00016	50.10053	-0.00689	-0.00230
%RSD	0.68049	2.28288	0.00000	0.24910	2.28287	177.07661	0.03103	0.99668	21.34843

	Zr	Pb	Se
#1	ppm	calc	calc
#2	5.01641	-0.00170	-0.00253
	5.02011	-0.00238	0.00098
Mean	5.01826	-0.00204	-0.00077
%RSD	0.05220	23.70442	321.08500

Method : Paragon
SampleId1 : ICV
SampleId2 :
Analysis commenced : 1/13/2009 13:35:33
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:43
[CV]

Position : STD1

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
#1	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#2	0.10195	26.05550	0.26024	0.51281	0.50589	0.26103	0.25041	25.94650	0.25453
	0.10219	26.10430	0.26184	0.51463	0.50623	0.26155	0.25771	26.01280	0.25503
Mean	0.10207	26.07990	0.26104	0.51372	0.50606	0.26129	0.25406	25.97965	0.25478
%RSD	0.16401	0.13231	0.43433	0.25144	0.04784	0.14157	2.03314	0.18048	0.13985

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
#1	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#2	0.25430	0.51748	0.51164	10.21563	24.86667	0.24560	26.04247	0.51699	0.51674
	0.25454	0.51900	0.51199	10.23114	24.85669	0.24571	26.12734	0.51792	0.51750
Mean	0.25442	0.51824	0.51182	10.22339	24.86168	0.24565	26.08491	0.51745	0.51712
%RSD	0.06603	0.20804	0.04885	0.10729	0.02840	0.03261	0.23006	0.12700	0.10401

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
#1	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#2									

#1	24.65697	0.52391	2.53599	0.51813	0.50324	2.63210	0.25893	0.50522	0.51145
#2	24.68666	0.52382	2.50893	0.52271	0.50667	2.64638	0.26239	0.51014	0.51211
Mean	24.67181	0.52386	2.52246	0.52042	0.50496	2.63924	0.26066	0.50768	0.51178
%RSD	0.08508	0.01116	0.75865	0.62271	0.48101	0.38258	0.93832	0.68651	0.09153

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	2.56661	0.50834	0.25983	0.08073	0.25316	0.25875	2.50453	0.24955	0.51582
#2	2.57081	0.51238	0.25991	0.08203	0.25352	0.25910	2.50138	0.25031	0.51733
Mean	2.56871	0.51036	0.25987	0.08138	0.25334	0.25892	2.50296	0.24993	0.51657
%RSD	0.11554	0.55954	0.02163	1.12412	0.10057	0.09667	0.08893	0.21386	0.20707

	Zr	Pb	Se
	ppm	calc	calc
#1	0.52356	0.50820	0.50937
#2	0.52397	0.51202	0.51146
Mean	0.52377	0.51011	0.51041
%RSD	0.05503	0.52915	0.28860

Method : Paragon File : 090113A
SampleId1 : ICB SampleId2 :
Analysis commenced : 1/13/2009 13:41:09
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:44
[CB]

Position : STD2

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00073	-0.01650	0.00095	-0.00559	-0.00040	0.00000	0.00686	-0.24852	-0.00033
#2	-0.00017	-0.01592	-0.00248	-0.00559	-0.00053	0.00000	0.00083	-0.25007	-0.00050
Mean	0.00028	-0.01621	-0.00077	-0.00559	-0.00047	0.00000	0.00385	-0.24929	-0.00042
%RSD	225.88809	2.53206	316.71269	0.00000	19.76184	303.06190	110.74976	0.43912	29.35911

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00037	-0.00021	-0.00073	-0.00566	0.17933	0.00424	-0.01720	-0.00083	-0.00011
#2	-0.00058	-0.00076	-0.00100	-0.00636	0.17189	0.00425	-0.02396	-0.00091	-0.00042
Mean	-0.00047	-0.00048	-0.00087	-0.00601	0.17561	0.00424	-0.02058	-0.00087	-0.00026
%RSD	30.79769	81.39714	22.10516	8.26686	2.99465	0.04056	23.21293	6.84075	83.73608

	Na	Ni	P	Pb	Pb	S	Sb	Se	Se
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.19725	-0.00095	-0.00664	0.00316	-0.00201	-0.02678	0.00148	-0.00070	-0.00094
#2	0.19637	-0.00140	-0.01046	-0.00102	-0.00163	-0.02678	0.00045	-0.00210	-0.00161
Mean	0.19681	-0.00118	-0.00855	0.00107	-0.00182	-0.02678	0.00097	-0.00140	-0.00127
%RSD	0.31762	26.59084	31.58511	276.76210	14.67584	0.00000	75.55247	70.45702	36.79395

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00641	-0.00196	-0.00093	0.00005	-0.00095	0.00319	0.00446	-0.00001	-0.00161

#2	-0.00820	-0.00069	-0.00098	-0.01349	-0.00190	0.00247	-0.00897	-0.00042	-0.00329
Mean	-0.00730	-0.00132	-0.00096	-0.00672	-0.00142	0.00283	-0.00225	-0.00022	-0.00245
%RSD	17.27833	68.09647	3.70970	142.45373	47.57251	17.93347	421.46359	133.23690	48.56059

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00130	-0.00029	-0.00086
#2	-0.00069	-0.00143	-0.00177
Mean	-0.00100	-0.00086	-0.00132
%RSD	43.66010	94.27835	48.73278

Method : Paragon

File : 090113A

SampleId1 : CRI

SampleId2 :

Analysis commenced : 1/13/2009 13:43:10

Printed : 1/13/2009 16:36:44

Dilution ratio : 1.00000 to 1.00000

Tray :

[FLEXQC]

Position : STD3

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.02081	0.51436	0.00990	0.41776	0.41469	0.01114	0.05400	5.39268	0.00990
#2	0.02132	0.51851	0.00801	0.42175	0.41609	0.01114	0.05546	5.40659	0.01017
Mean	0.02107	0.51644	0.00895	0.41975	0.41539	0.01114	0.05473	5.39964	0.01004
%RSD	1.71028	0.56868	14.92972	0.67293	0.23744	0.02609	1.88698	0.18211	1.86997

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.10475	0.02118	0.05208	0.20226	4.23448	0.02014	5.29555	0.03161	0.02152
#2	0.10526	0.02152	0.05222	0.20372	4.23832	0.02018	5.31159	0.03174	0.02043
Mean	0.10500	0.02135	0.05215	0.20299	4.23640	0.02016	5.30357	0.03167	0.02097
%RSD	0.34208	1.12710	0.18929	0.50904	0.06407	0.14512	0.21391	0.28218	3.68979

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.18829	0.08887	0.19976	0.00535	0.00535	0.15724	0.12510	0.00495	0.00920
#2	4.18739	0.08985	0.20260	0.00766	0.00446	0.15854	0.12579	0.00782	0.00670
Mean	4.18784	0.08936	0.20118	0.00650	0.00491	0.15789	0.12544	0.00639	0.00795
%RSD	0.01519	0.77553	0.99884	25.07017	12.90690	0.58043	0.39083	31.75820	22.23792

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.10251	0.10489	0.02427	0.09102	0.02030	0.01693	0.19369	0.10474	0.04444
#2	0.10279	0.10338	0.02437	0.09018	0.02041	0.02161	0.19503	0.10536	0.04444
Mean	0.10265	0.10414	0.02432	0.09060	0.02036	0.01927	0.19436	0.10505	0.04444
%RSD	0.19437	1.02080	0.27160	0.65426	0.37206	17.17607	0.48828	0.41652	0.00000

	Zr	Pb	Se
	ppm	calc	calc
#1	0.05140	0.00535	0.00779
#2	0.05187	0.00552	0.00708

Mean 0.05163 0.00544 0.00743NCH
%RSD 0.65240 2.21658 6.78529

Method : Paragon
SampleId1 : ICSA
File : 090113A
SampleId2 :
Analysis commenced : 1/13/2009 13:45:10
Dilution ratio : 1.00000 to 1.00000 Tray :
Tray :

Printed : 1/13/2009 16:36:44
[FLEXQC]
Position : STD4

Final concentrations

	Ag ppm	Al ppm	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca ppm	Cd ppm
#1	-0.00018	252.20513	0.00041	-0.00712	-0.00046	0.00062	0.00495	253.10224	-0.00016
#2	-0.00009	251.45296	-0.00072	-0.00776	-0.00046	0.00062	0.00641	252.69310	-0.00053
Mean	-0.00013	251.82904	-0.00015	-0.00744	-0.00046	0.00062	0.00568	252.89767	-0.00035
%RSD	44.47581	0.21120	526.42874	6.06564	0.00000	0.24970	18.13723	0.11440	76.83279
	Co ppm	Cr ppm	Cu ppm	Fe ppm	K ppm	Li ppm	Mg ppm	Mn ppm	Mo ppm
#1	0.00088	-0.00106	-0.00456	101.29318	0.11856	0.00440	252.72997	-0.00024	-0.00118
#2	0.00079	-0.00177	-0.00526	101.15339	0.12153	0.00440	252.37677	-0.00041	-0.00246
Mean	0.00084	-0.00141	-0.00491	101.22328	0.12004	0.00440	252.55337	-0.00032	-0.00182
%RSD	7.54582	35.43598	10.04961	0.09766	1.75223	0.03915	0.09889	36.86046	49.92797

	Na ppm	Ni ppm	P ppm	Pb I ppm	Pb II ppm	S ppm	Sb ppm	Se I ppm	Se II ppm
#1	0.20369	0.00016	0.00462	0.00828	-0.00435	-0.02678	0.00452	-0.00307	-0.00558
#2	0.20348	0.00025	0.00687	-0.00045	0.00078	-0.02808	0.00245	-0.00761	-0.00607
Mean	0.20359	0.00021	0.00575	0.00391	-0.00178	-0.02743	0.00349	-0.00534	-0.00583
%RSD	0.07311	28.46450	27.71077	157.53731	203.13417	3.34030	42.00263	60.06971	6.04038

	Si ppm	Sn ppm	Sr ppm	Th ppm	Ti ppm	Tl ppm	U ppm	V ppm	Zn ppm
#1	-0.00821	0.00128	0.00038	-0.00659	-0.00136	-0.00063	0.04875	-0.00180	0.00218
#2	-0.00850	-0.00034	0.00037	-0.00826	-0.00142	-0.00062	0.04213	-0.00219	0.00302
Mean	-0.00836	0.00047	0.00037	-0.00743	-0.00139	-0.00062	0.04544	-0.00200	0.00260
%RSD	2.40227	243.37892	2.71577	15.94786	3.43974	1.00355	10.30204	13.98012	22.90049

	Zr ppm	Pb calc	Se calc
#1	0.00126	-0.00014	-0.00474
#2	0.00098	0.00037	-0.00659
Mean	0.00112	0.00011	-0.00566
%RSD	17.44315	319.30588	23.00442

Method : Paragon
SampleId1 : ICSAB
File : 090113A
SampleId2 :
Analysis commenced : 1/13/2009 13:47:13
Dilution ratio : 1.00000 to 1.00000 Tray :
Tray :

Printed : 1/13/2009 16:36:45
[FLEXQC]
Position : STD5

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.19829	253.38214	0.09536	0.98557	0.48140	0.46695	0.51980	252.91939	0.94766
#2	0.19961	253.55214	0.09029	0.98566	0.48298	0.46764	0.51944	253.26542	0.94767
Mean	0.19895	253.46714	0.09283	0.98561	0.48219	0.46730	0.51962	253.09240	0.94767
%RSD	0.47037	0.04743	3.86081	0.00609	0.23169	0.10362	0.04877	0.09668	0.00119

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.46517	0.45837	0.50299	101.26324	0.10984	1.02537	253.58876	0.46580	0.95895
#2	0.46529	0.45827	0.50382	101.41236	0.11239	1.02527	253.96470	0.46694	0.96282
Mean	0.46523	0.45832	0.50340	101.33780	0.11112	1.02532	253.77673	0.46637	0.96089
%RSD	0.01807	0.01505	0.11658	0.10405	1.62252	0.00675	0.10475	0.17288	0.28492

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.20571	0.92821	0.95636	0.04991	0.04555	0.97786	0.58342	0.04123	0.04362
#2	0.20592	0.93176	0.95194	0.05094	0.04564	0.95322	0.58512	0.04598	0.04466
Mean	0.20582	0.92998	0.95415	0.05043	0.04559	0.96554	0.58427	0.04361	0.04414
%RSD	0.07232	0.26986	0.32764	1.45539	0.13449	1.80434	0.20606	7.70756	1.66729

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.93378	0.94997	0.96998	0.39162	0.92598	0.08904	9.20954	0.45592	0.90399
#2	0.93774	0.95031	0.97142	0.39469	0.92693	0.09029	9.22607	0.45842	0.90944
Mean	0.93576	0.95014	0.97070	0.39316	0.92646	0.08966	9.21781	0.45717	0.90672
%RSD	0.29931	0.02563	0.10489	0.55283	0.07191	0.98975	0.12683	0.38602	0.42542

	Zr	Se
	ppm	calc
#1	0.48384	0.04282
#2	0.48408	0.04510
Mean	0.48396	0.04396
%RSD	0.03611	3.66248

Method : Paragon File : 090113A
SampleId1 : CCV SampleId2 :
Analysis commenced : 1/13/2009 13:49:17
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:45

[CV]

Position : STD6

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.19514	50.41225	0.49263	0.98413	0.96283	0.48501	0.50349	49.32770	0.48742
#2	0.20321	51.28629	0.52269	1.02065	0.97634	0.50554	0.52075	52.00869	0.50889
Mean	0.19917	50.84927	0.50766	1.00239	0.96958	0.49528	0.51212	50.66820	0.49816
%RSD	2.86487	1.21543	4.18732	2.57612	0.98532	2.93107	2.38274	3.74150	3.04792

ted: 1/13/2009 16:37:06 User: ROY FRENCH

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
#1	0.47695	0.96550	0.98542	19.54538	50.07129	0.50327	49.82716	0.96702	0.98520
#2	0.50018	1.01122	1.00021	20.36903	50.25613	0.50532	52.03340	1.00577	1.02895
Mean	0.48857	0.98836	0.99282	19.95720	50.16371	0.50429	50.93028	0.98639	1.00707
%RSD	3.36347	3.27131	1.05334	2.91828	0.26056	0.28851	3.06310	2.77764	3.07182
	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
#1	50.40247	0.98668	4.81446	0.97607	0.94627	5.02255	0.49843	0.97616	0.97074
#2	50.83023	1.03733	4.94408	1.04510	0.93033	5.16168	0.52077	1.02028	0.95928
Mean	50.61635	1.01201	4.87927	1.01059	0.93830	5.09211	0.50960	0.99822	0.96501
%RSD	0.59758	3.53893	1.87847	4.82987	1.20161	1.93193	3.09971	3.12539	0.84009
	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
#1	4.84657	0.96742	0.49656	0.13405	0.47263	0.48242	4.74610	0.47084	0.94284
#2	4.99918	1.02174	0.50600	0.16109	0.48790	0.51963	4.85008	0.48893	1.01416
Mean	4.92288	0.99458	0.50128	0.14757	0.48026	0.50102	4.79809	0.47989	0.97850
%RSD	2.19200	3.86179	1.33163	12.96044	2.24759	5.25168	1.53235	2.66643	5.15367

	Zr	Pb	Se
#1	0.99342	calc	calc
#2	1.02149	0.95620	0.97254
Mean	1.00746	0.96855	0.97959
%RSD	1.97054	0.96237	0.97607
			0.51038

Method : Paragon File : 090113A
SampleId1 : CCB SampleId2 :
Analysis commenced : 1/13/2009 13:51:16
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:45

[CB]

Position : STD2

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
#1	0.00073	-0.00323	-0.00066	-0.00453	-0.00043	0.00010	0.00038	-0.24627	-0.00010
#2	-0.00010	-0.00063	-0.00129	-0.00516	-0.00046	0.00010	0.00139	-0.24683	-0.00040
Mean	0.00032	-0.00193	-0.00097	-0.00485	-0.00044	0.00010	0.00089	-0.24655	-0.00025
%RSD	184.17754	95.01755	45.86326	9.31508	4.18637	2.34903	80.17723	0.16146	83.00150
	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
#1	-0.00037	-0.00035	-0.00080	-0.00495	0.24881	0.00436	-0.01645	-0.00087	-0.00094
#2	-0.00061	-0.00089	-0.00101	-0.00495	0.24966	0.00436	-0.01720	-0.00083	-0.00065
Mean	-0.00049	-0.00062	-0.00091	-0.00495	0.24924	0.00436	-0.01683	-0.00085	-0.00080
%RSD	34.40866	60.99902	16.58940	0.00000	0.24115	0.11849	3.15454	3.50515	25.34600

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.20239	-0.00040	-0.01320	0.00001	-0.00029	-0.02419	0.00077	-0.00288	-0.00236
#2	0.20146	-0.00124	-0.00821	-0.00080	-0.00240	-0.02419	-0.00243	-0.00219	0.00132
Mean	0.20192	-0.00082	-0.01070	-0.00040	-0.00135	-0.02419	-0.00083	-0.00253	-0.00052
%RSD	0.32435	72.37785	32.99058	143.59182	110.53553	0.00000	271.94267	19.37811	499.46883

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.01089	-0.00196	-0.00093	-0.00128	-0.00102	-0.00259	0.00312	0.00024	-0.00186
#2	-0.01125	-0.00184	-0.00095	0.00016	-0.00089	0.00448	0.00536	0.00003	-0.00186
Mean	-0.01107	-0.00190	-0.00094	-0.00056	-0.00096	0.00095	0.00424	0.00013	-0.00186
%RSD	2.32039	4.29608	1.61406	181.89893	10.00124	528.16801	37.35249	113.35427	0.00000

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00127	-0.00019	-0.00253
#2	-0.00151	-0.00187	0.00015
Mean	-0.00139	-0.00103	-0.00119
%RSD	12.21169	114.77316	159.35608

Method : Paragon
SampleId1 : IP090112-1MB
SampleId2 :
Analysis commenced : 1/13/2009 13:53:15
Dilution ratio : 1.00000 to 1.00000 Tray :
Printed : 1/13/2009 16:36:46
[SAMPLE]
Position : TUBE1

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00020	0.01418	-0.00053	-0.00533	-0.00046	0.00018	0.00330	-0.21066	-0.00027
#2	0.00042	0.00947	-0.00047	-0.00521	-0.00038	0.00016	0.00668	-0.21474	-0.00006
Mean	0.00011	0.01182	-0.00050	-0.00527	-0.00042	0.00017	0.00499	-0.21270	-0.00017
%RSD	411.17085	28.18725	8.93065	1.71261	13.34944	6.31136	47.89220	1.35693	91.62499

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00082	-0.00070	-0.00086	0.01250	0.29642	0.00438	-0.00194	-0.00070	-0.00139
#2	-0.00022	-0.00056	-0.00073	0.01066	0.30704	0.00439	-0.00294	-0.00066	-0.00106
Mean	-0.00052	-0.00063	-0.00080	0.01158	0.30173	0.00439	-0.00244	-0.00068	-0.00122
%RSD	80.91894	15.83000	11.59912	11.21885	2.49015	0.15688	29.02008	4.37205	19.23063

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.27282	-0.00091	0.00051	-0.00277	0.00063	-0.05141	-0.00162	0.00245	0.00024
#2	0.27084	-0.00039	-0.00135	0.00063	-0.00125	-0.05011	0.00044	0.00152	-0.00085
Mean	0.27183	-0.00065	-0.00042	-0.00107	-0.00031	-0.05076	-0.00059	0.00198	-0.00031
%RSD	0.51535	57.05509	311.75966	224.29777	427.36727	1.80525	247.28447	33.04051	249.48072

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
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#1	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#2	-0.00856	0.00059	-0.00090	-0.00089	-0.00411	-0.00898	-0.00049	0.00285	
Mean	-0.00786	-0.00022	-0.00088	0.00150	-0.00194	0.00400	0.00003	0.00395	
%RSD	-0.00821	0.00018	-0.00089	0.00029	-0.00302	-0.00249	-0.00023	0.00340	
	6.05857	317.04331	1.14117	580.64644	50.72007	368.86373	159.35505	22.76613	

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00170	-0.00050	0.00097
#2	-0.00151	-0.00062	-0.00006
Mean	-0.00160	-0.00056	0.00046
%RSD	8.71710	15.03863	160.44029

Method : Paragon
 File : 090113A
 SampleId1 : IP090112-1LCS
 SampleId2 :
 Analysis commenced : 1/13/2009 13:55:08
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:46
 [SAMPLE]
 Position : TUBE2

Final concentrations

#1	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
#2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.00043	2.04085	2.02946	1.01950	2.05890	0.05093	0.00250	-0.22487	0.05067
%RSD	0.00004	2.04135	2.03638	1.02620	2.06746	0.05097	0.00168	-0.22980	0.05042
	0.00024	2.04110	2.03292	1.02285	2.06318	0.05095	0.00209	-0.22734	0.05054
	117.11569	0.01760	0.24053	0.46325	0.29351	0.05738	27.80240	1.53220	0.35413

#1	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
#2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.52252	0.21329	0.26503	1.03024	0.22076	0.00425	-0.01145	0.52848	1.03486
%RSD	0.52274	0.21398	0.26510	1.03013	0.20971	0.00422	-0.01770	0.52890	1.03481
	0.52263	0.21363	0.26506	1.03019	0.21524	0.00424	-0.01457	0.52869	1.03484
	0.02950	0.22630	0.01968	0.00748	3.63013	0.40642	30.34971	0.05650	0.00325

#1	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
#2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.21519	0.54992	0.00413	0.52497	0.51472	-0.05011	0.51380	2.00117	2.01398
%RSD	0.21397	0.55044	0.00482	0.52586	0.51253	-0.04493	0.51622	2.01582	2.00735
	0.21458	0.55018	0.00447	0.52541	0.51363	-0.04752	0.51501	2.00850	2.01066
	0.40243	0.06729	10.83328	0.12012	0.30062	7.71333	0.33227	0.51589	0.23298

#1	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
#2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	2.07373	0.51242	0.52101	0.00137	0.51257	2.01769	-0.00744	0.51238	0.53103
%RSD	2.07497	0.51162	0.52252	-0.00011	0.51328	2.02479	-0.01191	0.51248	0.53170
	2.07435	0.51202	0.52177	0.00063	0.51292	2.02124	-0.00967	0.51243	0.53136
	0.04206	0.11167	0.20396	165.59593	0.09765	0.24816	32.72198	0.01329	0.08947

	Zr	Pb	Se
	ppm	calc	calc

#1	-0.00308	0.51813	2.00971	NCH
#2	-0.00315	0.51697	2.01017	
Mean	-0.00312	0.51755	2.00994	
%RSD	1.59935	0.15838	0.01622	

Method : Paragon
 File : 090113A
SampleId1 : 0901043-1
sampleId2 :
Analysis commenced : 1/13/2009 13:57:01
 Dilution ratio : 1.00000 to 1.00000 Tray :

Final concentrations

	Ag ppm	Al ppm	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca ppm	Cd ppm
#1	-0.00002	0.02078	-0.00072	0.03671	0.03238	0.00022	0.00222	390.43875	-0.00044
#2	0.00014	0.02984	0.00045	0.03632	0.03320	0.00026	0.00076	389.87283	0.00020
Mean	0.00006	0.02531	-0.00014	0.03652	0.03279	0.00024	0.00149	390.15579	-0.00012
%RSD	181.41962	25.31051	603.44818	0.74156	1.75371	12.77326	69.30290	0.10256	371.24147

	Co ppm	Cr ppm	Cu ppm	Fe ppm	K ppm	Li ppm	Mg ppm	Mn ppm	Mo ppm
#1	-0.00038	-0.00062	0.00094	0.01396	7.19283	0.01027	63.35033	0.45819	1.57948
#2	0.00033	0.00001	0.00128	0.01969	7.12912	0.01030	63.12461	0.45629	1.57471
Mean	-0.00002	-0.00030	0.00111	0.01682	7.16098	0.01029	63.23747	0.45724	1.57709
%RSD	2068.92281	148.41908	22.08991	24.07863	0.62910	0.21751	0.25240	0.29387	0.21384

Printed : 1/13/2009 16:36:46
 [SAMPLE]

Position : TUBE3

	Na ppm	Ni ppm	P ppm	Pb I ppm	Pb II ppm	S ppm	Sb ppm	Se I ppm	Se II ppm
#1	102.61345	0.00036	0.05829	-0.00180	0.00078	355.94687	0.00179	0.00674	0.00081
#2	101.78619	0.00061	0.05809	0.00139	0.00067	355.16202	0.00196	-0.00132	0.00186
Mean	102.19982	0.00048	0.05819	-0.00021	0.00072	355.55445	0.00188	0.00271	0.00133
%RSD	0.57237	36.46442	0.23803	1087.91988	10.08348	0.15609	6.48558	210.13532	55.90220

	Si ppm	Sn ppm	Sr ppm	Th ppm	Ti ppm	Tl ppm	U ppm	V ppm	Zn ppm
#1	11.69861	0.00302	2.75230	-0.01685	-0.00224	0.00022	0.03041	0.00117	0.00420
#2	11.63129	0.00498	2.73040	-0.01555	-0.00197	0.00081	0.03668	0.00140	0.00412
Mean	11.66495	0.00400	2.74135	-0.01620	-0.00210	0.00051	0.03354	0.00129	0.00416
%RSD	0.40809	34.76200	0.56477	5.67882	9.10724	80.54914	13.20315	12.80537	1.43204

Method : Paragon
 File : 090113A
SampleId1 : 0901043-1D
sampleId2 :
Analysis commenced : 1/13/2009 13:58:54

Printed : 1/13/2009 16:36:46
 [SAMPLE]

Dilution ratio : 1.00000 to 1.00000 Tray :

Position : TUBE4

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00100	0.01833	0.00432	0.03603	0.03186	0.00023	0.00842	402.66397	-0.00031
#2	0.00048	0.01043	0.00174	0.03492	0.03160	0.00020	0.00587	398.25082	-0.00004
Mean	0.00074	0.01438	0.00303	0.03547	0.03173	0.00021	0.00715	400.45740	-0.00017
%RSD	48.82384	38.83007	60.29484	2.20525	0.58465	8.95905	25.28487	0.77925	111.64307

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00093	0.00302	0.00106	0.02412	7.13981	0.01029	64.41137	0.46516	1.60980
#2	0.00054	0.00217	0.00064	0.02120	7.11886	0.01025	63.97692	0.46254	1.59665
Mean	0.00073	0.00260	0.00085	0.02266	7.12934	0.01027	64.19415	0.46385	1.60323
%RSD	37.32991	23.00653	34.94586	9.10727	0.20780	0.25140	0.47855	0.39914	0.57974

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	101.56810	0.00170	0.06260	0.00618	-0.00303	360.63343	0.00104	-0.00343	-0.00392
#2	101.04367	0.00106	0.05261	0.00169	-0.00179	358.33136	0.00284	0.00275	-0.00190
Mean	101.30588	0.00138	0.05760	0.00393	-0.00241	359.48240	0.00194	-0.00034	-0.00291
%RSD	0.36605	32.55775	12.26337	80.59844	36.29791	0.45282	65.49591	1281.33295	48.98987

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	11.78367	0.00036	2.74490	-0.01446	-0.00219	-0.00048	0.04876	0.00228	0.00252
#2	11.72567	0.00059	2.73933	-0.01882	-0.00226	0.00143	0.04787	0.00183	0.00142
Mean	11.75467	0.00047	2.74212	-0.01664	-0.00223	0.00048	0.04831	0.00205	0.00197
%RSD	0.34892	34.71095	0.14362	18.51487	2.32611	283.19432	1.30749	15.34221	39.32185

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00620	0.00003	-0.00376
#2	-0.00642	-0.00063	-0.00036
Mean	-0.00631	-0.00030	-0.00206
%RSD	2.39970	157.28322	117.00622

Method : Paragon File : 090113A

SampleId1 : 0901043-1L 5X SampleId2 :

Analysis commenced : 1/13/2009 14:00:46

Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:47

[SAMPLE]

Position : TUBE5

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00069	0.08210	0.00073	0.00764	0.00628	0.00010	0.00522	75.87828	-0.00003
#2	0.00116	0.07361	-0.00047	0.00679	0.00634	0.00008	0.00842	75.94522	-0.00018

Mean	0.00092	0.07785	0.00013	0.00722	0.00631	0.00009	0.00682	75.91175	-0.00010
%RSD	36.22841	7.70836	645.22896	8.33674	0.58778	10.83258	33.11979	0.06235	102.00917
	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00018	-0.00046	0.00018	-0.00112	1.21420	0.00536	13.02314	0.09752	0.33684
#2	0.00000	-0.00011	0.00039	-0.00052	1.21484	0.00537	13.02138	0.09769	0.33446
Mean	-0.00009	-0.00028	0.00028	-0.00082	1.21452	0.00536	13.02226	0.09761	0.33565
%RSD	135.96201	88.18822	52.61348	51.19633	0.03715	0.16045	0.00956	0.12214	0.50094
	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	17.40123	-0.00018	0.00178	0.00165	-0.00302	76.51707	0.00211	-0.00154	-0.00305
#2	17.29115	0.00012	0.00746	0.00153	-0.00287	76.60952	0.00003	0.00193	-0.00284
Mean	17.34619	-0.00003	0.00462	0.00159	-0.00294	76.56330	0.00107	0.00019	-0.00295
%RSD	0.44871	742.55127	86.90803	5.36264	3.48363	0.08538	138.03664	1263.73824	5.06393
	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	2.39860	-0.00057	0.57925	-0.00833	-0.00127	-0.00047	0.01296	0.00030	-0.00052
#2	2.39021	0.00001	0.57816	-0.00922	-0.00129	0.00412	0.01520	0.00053	-0.00094
Mean	2.39440	-0.00028	0.57871	-0.00878	-0.00128	0.00183	0.01408	0.00041	-0.00073
%RSD	0.24783	145.27477	0.13433	7.21714	0.93374	177.60525	11.23653	39.66447	41.00234

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00101	-0.00146	-0.00255
#2	-0.00110	-0.00141	-0.00125
Mean	-0.00106	-0.00144	-0.00190
%RSD	5.89139	2.79210	48.13475

Method : Paragon
SampleId1 : 0901043-1MS
SampleId2 :
Analysis commenced : 1/13/2009 14:02:38
Dilution ratio : 1.00000 to 1.00000 Tray :
Printed : 1/13/2009 16:36:47
[SAMPLE]
Position : TUBE6

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00120	2.07991	2.04317	1.05381	1.96850	0.04858	0.00747	404.81997	0.04966
#2	0.00078	2.06501	2.04444	1.05572	1.96847	0.04856	0.00646	405.22564	0.04931
Mean	0.00099	2.07246	2.04380	1.05477	1.96848	0.04857	0.00697	405.02280	0.04948
%RSD	30.39298	0.50836	0.04398	0.12793	0.00096	0.03492	10.21711	0.07082	0.50694
	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.49396	0.19941	0.25788	0.96987	7.15499	0.01037	64.62235	0.95703	2.61205
#2	0.49443	0.19899	0.25705	0.96954	7.12228	0.01035	64.63156	0.95783	2.61722
Mean	0.49420	0.19920	0.25747	0.96971	7.13864	0.01036	64.62696	0.95743	2.61464

%RSD	0.06773	0.15036	0.22923	0.02383	0.32400	0.08307	0.01009	0.05941	0.13964
	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	102.30715	0.50858	0.05868	0.50833	0.49161	360.96384	0.50961	2.05848	2.05511
#2	101.72686	0.50789	0.05907	0.50647	0.49043	361.73499	0.51273	2.06219	2.04949
Mean	102.01701	0.50824	0.05888	0.50740	0.49102	361.34941	0.51117	2.06034	2.05230
%RSD	0.40221	0.09586	0.47052	0.25865	0.16914	0.15090	0.43166	0.12747	0.19339
	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	13.82549	0.51153	3.23633	-0.01406	0.48500	2.00587	0.04722	0.49086	0.50128
#2	13.79030	0.51188	3.23657	-0.01330	0.48553	2.00394	0.03603	0.48903	0.50161
Mean	13.80790	0.51171	3.23645	-0.01368	0.48526	2.00490	0.04163	0.48994	0.50144
%RSD	0.18021	0.04775	0.00523	3.89847	0.07619	0.06775	19.01155	0.26413	0.04741
	Zr	Pb	Se						
	ppm	calc	calc						
#1	-0.00834	0.49717	2.05623						
#2	-0.00847	0.49577	2.05372						
Mean	-0.00840	0.49647	2.05498						
%RSD	1.13688	0.19961	0.08626						

Method : Paragon

File : 090113A

SampleId1 : 0901043-1MSD

SampleId2 :

Analysis commenced : 1/13/2009 14:04:30

Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:47

[SAMPLE]

Position : TUBE7

Final concentrations

#1	0.00085	2.09319	2.07550	1.07094	1.98713	0.04934	0.00256	412.46967	0.05022
#2	-0.00036	2.08402	2.06413	1.06666	1.98844	0.04908	0.00118	407.54450	0.04939
Mean	0.00025	2.08860	2.06981	1.06880	1.98778	0.04921	0.00187	410.00709	0.04981
%RSD	348.49592	0.31039	0.38868	0.28335	0.04647	0.36612	52.10451	0.84941	1.19062
	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.50127	0.20266	0.25937	0.98136	7.24008	0.01046	65.70973	0.97096	2.64955
#2	0.49869	0.20048	0.25874	0.97483	7.21101	0.01044	65.21208	0.96567	2.63546
Mean	0.49998	0.20157	0.25905	0.97809	7.22554	0.01045	65.46091	0.96831	2.64250
%RSD	0.36404	0.76659	0.16990	0.47260	0.28456	0.13181	0.53755	0.38651	0.37709
	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	102.56562	0.51739	0.05868	0.51831	0.49727	365.36291	0.52236	2.08087	2.07004
#2	102.04704	0.51152	0.06309	0.50979	0.50188	365.75867	0.51142	2.08076	2.07328
Mean	102.30633	0.51445	0.06089	0.51405	0.49957	365.56079	0.51689	2.08081	2.07166
%RSD	0.35843	0.80687	5.11881	1.17110	0.65304	0.07655	1.49657	0.00375	0.11046
	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	102.56562	0.51739	0.05868	0.51831	0.49727	365.36291	0.52236	2.08087	2.07004
#2	102.04704	0.51152	0.06309	0.50979	0.50188	365.75867	0.51142	2.08076	2.07328
Mean	102.30633	0.51445	0.06089	0.51405	0.49957	365.56079	0.51689	2.08081	2.07166
%RSD	0.35843	0.80687	5.11881	1.17110	0.65304	0.07655	1.49657	0.00375	0.11046

ted: 1/13/2009 16:37:06 User: ROY FRENCH

	Si	Sr	Th	Ti	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	13.98606	0.52145	-0.01096	0.49170	0.04139	0.49689	0.51498
#2	13.91651	0.51384	-0.01300	0.48973	0.02842	0.49444	0.50758
Mean	13.95128	0.51764	-0.01198	0.49071	0.03490	0.49566	0.51128
%RSD	0.35251	1.04004	12.07893	0.28518	26.29114	0.34917	1.02286

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00842	0.50427	2.07365
#2	-0.00876	0.50452	2.07577
Mean	-0.00859	0.50439	2.07471
%RSD	2.80951	0.03397	0.07232

Method : Paragon File : 090113A
SampleId1 : 0901043-2 SampleId2 :
Analysis commenced : 1/13/2009 14:06:23
Dilution ratio : 1.00000 to 1.00000 Tray :
Position : TUBE8

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00108	0.01480	0.00205	0.03811	0.03217	0.00021	0.00441	396.06377	0.00003
#2	0.00143	0.01136	0.00183	0.03688	0.03186	0.00019	0.00797	398.08126	0.00000
Mean	0.00125	0.01308	0.00194	0.03749	0.03202	0.00020	0.00619	397.07252	0.00001
%RSD	19.92402	18.60012	8.02684	2.32710	0.69526	6.03895	40.66942	0.35927	134.09734

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00060	-0.00009	0.00100	0.01153	7.13404	0.01026	64.01942	0.46035	1.59810
#2	0.00078	0.00037	0.00092	0.01239	7.11480	0.01025	64.09443	0.46174	1.59962
Mean	0.00069	0.00014	0.00096	0.01196	7.12442	0.01026	64.05692	0.46105	1.59886
%RSD	18.20057	238.96496	5.28642	5.11248	0.19097	0.06711	0.08280	0.21373	0.06716

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	101.52894	0.00175	0.05760	0.00252	-0.00052	356.88277	0.00200	0.00428	0.00054
#2	100.92942	0.00099	0.05437	0.00388	-0.00217	357.92905	0.00261	0.00300	-0.00103
Mean	101.22918	0.00137	0.05599	0.00320	-0.00134	357.40591	0.00230	0.00364	-0.00025
%RSD	0.41878	39.12355	4.08206	30.09160	86.85773	0.20700	18.64975	24.95269	446.72868

	Si	Sn	Sr	Th	Ti	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	11.73271	0.00174	2.73256	-0.01975	0.00342	0.04564	0.00191	0.00134
#2	11.71011	0.00012	2.73458	-0.01289	0.00824	0.04743	0.00193	0.00209
Mean	11.72141	0.00093	2.73357	-0.01632	0.00583	0.04653	0.00192	0.00172
%RSD	0.13632	122.62127	0.05236	29.70730	58.34425	2.72036	0.72020	31.23066

	Zr	Pb	SeNCH
	ppm	calc	calc
#1	-0.00653	0.00049	0.00178
#2	-0.00653	-0.00015	0.00031
Mean	-0.00653	0.00017	0.00105
%RSD	0.02542	270.12245	99.57788

Method : Paragon
 File : 090113A
SampleId1 : IP090112-2MB
SampleId2 :
Analysis commenced : 1/13/2009 14:08:16
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:48
[SAMPLE]

Position : TUBE9

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00049	0.00337	0.00158	-0.00248	-0.00035	0.00003	0.00732	-0.18082	-0.00016
#2	0.00046	-0.00106	-0.00113	-0.00372	-0.00043	0.00003	0.00732	-0.19546	-0.00033
Mean	0.00047	0.00116	0.00023	-0.00310	-0.00039	0.00003	0.00732	-0.18814	-0.00025
%RSD	4.54977	270.27142	848.81469	28.14245	14.24594	18.70404	0.03805	5.50170	51.23040

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00002	-0.00008	-0.00053	0.05660	0.30810	0.00443	-0.00719	0.00001	0.00256
#2	-0.00055	-0.00093	-0.00094	0.05606	0.29195	0.00440	-0.01570	-0.00011	0.00089
Mean	-0.00027	-0.00050	-0.00073	0.05633	0.30003	0.00442	-0.01145	-0.00005	0.00173
%RSD	149.76771	119.95048	39.80891	0.67857	3.80647	0.50692	52.55400	180.79497	68.25141

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.23532	0.00025	-0.00096	0.00409	-0.00300	0.09503	0.00487	0.00108	-0.00380
#2	0.23250	-0.00044	-0.00282	0.00023	-0.00202	0.07819	-0.00090	-0.00105	0.00000
Mean	0.23391	-0.00010	-0.00189	0.00216	-0.00251	0.08661	0.00199	0.00001	-0.00190
%RSD	0.85319	498.31349	69.57738	126.16139	27.60640	13.75502	205.24724	11108.84066	141.31741

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00367	0.00140	-0.00047	0.00006	-0.00078	0.00191	0.01337	0.00058	0.00268
#2	-0.00864	-0.00150	-0.00064	-0.00006	-0.00096	0.00087	0.00173	-0.00014	0.00235
Mean	-0.00616	-0.00005	-0.00056	0.00000	-0.00087	0.00139	0.00755	0.00022	0.00252
%RSD	57.08303	4036.12431	21.00510	17044.50892	15.13415	52.75404	108.96205	228.01893	9.46679

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00122	-0.00064	-0.00217
#2	-0.00144	-0.00127	-0.00035
Mean	-0.00133	-0.00095	-0.00126
%RSD	11.58915	46.96229	101.97885

Method : Paragon

File : 090113A

Printed : 1/13/2009 16:36:48

SampleId1 : IP090112-2LCS SampleId2 :
 Analysis commenced : 1/13/2009 14:10:08
 Dilution ratio : 1.00000 to 1.00000 Tray :

[SAMPLE]

Position : TUBE10

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00094	2.04721	2.00732	1.01458	1.96930	0.05105	0.00400	39.72425	0.04911
#2	0.00089	2.05197	2.00511	1.01072	1.96780	0.05086	0.00217	39.51318	0.04885
Mean	0.00091	2.04959	2.00622	1.01265	1.96855	0.05096	0.00308	39.61871	0.04898
%RSD	3.64299	0.16414	0.07762	0.26950	0.05362	0.25804	41.82903	0.37671	0.36976

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.49539	0.20275	0.25040	0.96557	38.92460	0.49244	40.35185	0.49899	1.02460
#2	0.49234	0.20200	0.24927	0.96170	39.02629	0.49319	40.19014	0.49743	1.01745
Mean	0.49387	0.20237	0.24984	0.96363	38.97545	0.49282	40.27100	0.49821	1.02103
%RSD	0.43744	0.26061	0.32043	0.28379	0.18448	0.10884	0.28394	0.22181	0.49509

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	38.97556	0.51557	-0.00360	0.50951	0.48978	0.04708	0.50436	1.99588	1.97977
#2	39.03804	0.51438	-0.00214	0.50994	0.49481	0.05486	0.50597	1.99388	1.99653
Mean	39.00680	0.51498	-0.00287	0.50972	0.49230	0.05097	0.50516	1.99488	1.98815
%RSD	0.11328	0.16272	36.18819	0.05950	0.72139	10.78713	0.22624	0.07090	0.59599

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.99202	0.50079	0.49800	-0.01083	0.49443	2.03103	-0.00426	0.49494	0.50321
#2	1.99515	0.49848	0.49657	-0.01579	0.49364	2.02234	0.00559	0.49357	0.49985
Mean	1.99359	0.49964	0.49729	-0.01331	0.49403	2.02669	0.00067	0.49425	0.50153
%RSD	0.11118	0.32652	0.20355	26.36633	0.11185	0.30323	1042.85217	0.19577	0.47399

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00210	0.49635	1.98514
#2	-0.00190	0.49985	1.99565
Mean	-0.00200	0.49810	1.99039
%RSD	7.28381	0.49583	0.37341

Method : Paragon

File : 090113A

SampleId1 : CCV SampleId2 :
 Analysis commenced : 1/13/2009 14:12:02
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:48

[CV]

Position : STD6

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	0.19746	50.48209	0.50079	0.99202	0.96158	0.49693	0.50432	50.79848	0.50042
#2	0.19689	50.46739	0.50333	0.99206	0.96140	0.49626	0.49445	50.70990	0.49920
Mean	0.19717	50.47474	0.50206	0.99204	0.96149	0.49660	0.49939	50.75419	0.49981
%RSD	0.20377	0.02059	0.35801	0.00302	0.01361	0.09637	1.39865	0.12341	0.17219

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48932	0.99364	0.98136	19.95323	50.15373	0.50089	50.97619	0.98722	1.00392
#2	0.48757	0.99315	0.97997	19.93404	50.19629	0.50084	50.94688	0.98637	1.00318
Mean	0.48845	0.99340	0.98066	19.94363	50.17501	0.50086	50.96153	0.98680	1.00355
%RSD	0.25344	0.03479	0.09982	0.06805	0.05997	0.00741	0.04066	0.06069	0.05188

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	50.49845	1.00829	4.83875	1.00412	0.96698	5.06936	0.50253	0.97372	0.97171
#2	50.44768	1.00103	4.82013	1.00202	0.97735	5.07196	0.50069	0.97006	0.97662
Mean	50.47306	1.00466	4.82944	1.00307	0.97217	5.07066	0.50161	0.97189	0.97417
%RSD	0.07113	0.51107	0.27253	0.14827	0.75442	0.03626	0.25874	0.26672	0.35618

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.86971	0.99735	0.49589	0.16321	0.48124	0.49601	4.74134	0.47909	0.99268
#2	4.86410	0.99378	0.49600	0.16590	0.48149	0.49657	4.71757	0.47949	0.99176
Mean	4.86691	0.99556	0.49595	0.16456	0.48136	0.49629	4.72946	0.47929	0.99222
%RSD	0.08144	0.25349	0.01450	1.15605	0.03717	0.07983	0.35532	0.05914	0.06577

	Zr	Pb	Se
	ppm	calc	calc
#1	1.00438	0.97935	0.97238
#2	1.00319	0.98557	0.97443
Mean	1.00379	0.98246	0.97341
%RSD	0.08382	0.44752	0.14908

Method : Paragon
 File : 090113A
 SampleId1 : CCB
 SampleId2 :
 Analysis commenced : 1/13/2009 14:14:12
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:49
 [CB]

Position : STD2

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00038	0.00846	0.00139	-0.00389	-0.00043	0.00003	0.00403	-0.23923	-0.00017
#2	0.00065	0.00651	0.00060	-0.00372	-0.00038	0.00003	0.00276	-0.23979	-0.00020
Mean	0.00051	0.00748	0.00100	-0.00380	-0.00040	0.00003	0.00339	-0.23951	-0.00019
%RSD	37.17033	18.48198	55.82792	3.16502	9.18875	14.17730	26.57230	0.16620	8.64820

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00064	-0.00050	-0.00115	-0.00258	0.26156	0.00440	-0.00969	-0.00074	-0.00011

#2	-0.00028	-0.00042	-0.00172	-0.00274	0.26263	0.00440	-0.00769	-0.00070	0.00039
Mean	-0.00046	-0.00046	-0.00144	-0.00266	0.26210	0.00440	-0.00869	-0.00072	0.00014
%RSD	54.91440	12.94752	28.05903	4.31221	0.28666	0.00000	16.28036	4.11746	246.57558
#1	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.20748	0.00019	-0.00782	0.00181	-0.00220	0.00043	-0.00020	-0.00338	-0.00182
#2	0.20677	-0.00006	-0.00840	0.00287	-0.00281	-0.00087	0.00339	0.00197	-0.00263
Mean	0.20712	0.00007	-0.00811	0.00234	-0.00251	-0.00022	0.00159	-0.00070	-0.00222
%RSD	0.24436	259.48793	5.12331	32.09760	17.36217	418.97282	159.36292	538.85189	25.88761
#1	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.01500	-0.00011	-0.00090	-0.00150	-0.00093	-0.00097	0.00222	0.00022	-0.00161
#2	-0.01299	0.00151	-0.00090	-0.00180	-0.00099	0.00168	0.01162	0.00020	-0.00169
Mean	-0.01399	0.00070	-0.00090	-0.00165	-0.00096	0.00035	0.00692	0.00021	-0.00165
%RSD	10.15189	163.28316	0.00000	12.98942	4.14277	533.76719	96.03921	6.50680	3.60351
#1	Zr	Pb	Se						
	ppm	calc	calc						
#1	-0.00114	-0.00086	-0.00234						
#2	-0.00111	-0.00092	-0.00110						
Mean	-0.00112	-0.00089	-0.00172						
%RSD	1.65772	4.52071	51.00312						

Method : Paragon

File : 090113A

Printed : 1/13/2009 16:36:49

SampleId1 : CCV

SampleId2 :

[CV]

Analysis commenced : 1/13/2009 14:47:09

Dilution ratio : 1.00000 to 1.00000 Tray :

Position : STD6

Final concentrations

#1	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.19582	49.69858	0.48804	0.97518	0.94794	0.48124	0.50125	49.51104	0.49409
#2	0.19635	49.77572	0.49379	0.97794	0.95061	0.48242	0.49998	49.63218	0.49445
Mean	0.19608	49.73715	0.49092	0.97656	0.94928	0.48183	0.50062	49.57161	0.49427
%RSD	0.19116	0.10966	0.82726	0.19964	0.19888	0.17349	0.17917	0.17281	0.05203
#1	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.47575	0.96425	0.98052	19.36552	49.82110	0.49765	49.41760	0.95470	0.98099
#2	0.47697	0.96663	0.98345	19.41137	49.84104	0.49811	49.53985	0.95724	0.98508
Mean	0.47636	0.96544	0.98198	19.38844	49.83107	0.49788	49.47872	0.95597	0.98304
%RSD	0.18074	0.17425	0.21104	0.16721	0.02830	0.06503	0.17471	0.18791	0.29386
#1	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.97405	0.99407	4.72042	0.96979	0.93606	4.91854	0.49339	0.94747	0.94192
#2	49.95865	0.99759	4.73266	0.97223	0.93346	4.90554	0.49222	0.96196	0.94477

Mean	49.96635	0.99583	4.72654	0.97101	0.93476	4.91204	0.49281	0.95472	0.94335
%RSD	0.02179	0.25000	0.18310	0.17757	0.19684	0.18715	0.16783	1.07346	0.21355
#1	4.73106	0.97169	0.48991	0.15743	0.46519	0.48827	4.64752	0.46664	0.94024
#2	4.73863	0.97468	0.49108	0.15729	0.46629	0.49310	4.66723	0.46919	0.94226
Mean	4.73485	0.97319	0.49050	0.15736	0.46574	0.49068	4.65738	0.46792	0.94125
%RSD	0.11314	0.21740	0.16968	0.06579	0.16733	0.69567	0.29923	0.38569	0.15129
#1	0.98862	0.94729	0.94377						
#2	0.99023	0.94637	0.95050						
Mean	0.98943	0.94683	0.94713						
%RSD	0.11511	0.06898	0.50219						

Method : Paragon
 File : 090113A
 SampleId1 : CCB
 SampleId2 :
 Analysis commenced : 1/13/2009 14:49:09
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:49
 [CB]

Position : STD2

Final concentrations

#1	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
#2									
Mean	-0.00009	0.03499	-0.00113	-0.00563	-0.00029	0.00010	0.00097	-0.22818	-0.00037
%RSD	542.95812	8.94494	59.19621	2.13685	6.49276	6.45224	125.75661	0.47976	13.85738
#1	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
#2									
Mean	-0.00051	-0.00048	-0.00217	-0.00133	0.20716	0.00429	-0.00569	-0.00066	-0.00027
%RSD	12.48859	17.33124	16.05205	5.72720	2.03086	0.08018	37.30374	9.02304	184.81920
#1	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
#2									
Mean	0.20620	-0.00077	-0.00772	-0.00112	-0.00104	-0.01577	0.00031	-0.00417	-0.00141
%RSD	0.18770	78.15435	48.45019	100.18828	75.88205	40.67563	185.53863	20.11780	113.42613
#1	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
#2									
Mean	-0.01770	0.00018	-0.00080	0.00057	-0.00074	0.00072	-0.00091	-0.00025	-0.00132

%RSD	3.18327	407.72346	2.52703	24.11186	5.41078	79.38069	0.00570	145.72413	22.63070
	Zr	Pb	Se						
	ppm	calc	calc						
#1	-0.00125	-0.00118	-0.00328						
#2	-0.00152	-0.00096	-0.00138						
Mean	-0.00139	-0.00107	-0.00233						
%RSD	13.72519	14.46583	57.77827						

Method : Paragon File : 090113A
SampleId1 : 0901040-1 10X SampleId2 :
Analysis commenced : 1/13/2009 14:51:09
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:50
[SAMPLE]
Position : TUBE11

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00013	0.13528	0.00076	1.28916	2.34551	0.00025	0.00321	6.00965	-0.00025
#2	0.00054	0.13010	0.00064	1.29471	2.34816	0.00024	0.00011	6.02201	-0.00028
Mean	0.00021	0.13269	0.00070	1.29194	2.34683	0.00024	0.00166	6.01583	-0.00027
%RSD	227.53162	2.76004	12.76106	0.30382	0.07976	4.14597	131.90316	0.14524	7.19105
	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00014	0.00202	0.00118	0.83485	19.66984	0.55590	0.59487	0.01446	0.00032
#2	0.00095	0.00238	0.00110	0.83610	19.65601	0.55596	0.59487	0.01455	0.00042
Mean	0.00054	0.00220	0.00114	0.83548	19.66293	0.55593	0.59487	0.01451	0.00037
%RSD	104.98987	11.30484	4.73810	0.10592	0.04974	0.00878	0.00000	0.41073	18.22183
	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	343.36723	-0.00003	-0.00713	0.00297	-0.00283	0.82615	0.00016	-0.00090	-0.00082
#2	343.15905	0.00061	-0.02485	0.00226	-0.00184	0.81837	0.00223	0.00050	-0.00323
Mean	343.26314	0.00029	-0.01599	0.00261	-0.00233	0.82226	0.00119	-0.00020	-0.00203
%RSD	0.04288	155.59383	78.36895	19.30860	29.98567	0.66902	122.15249	493.87554	84.19460
	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	3.78528	0.00001	1.21085	0.00034	-0.00095	-0.00089	-0.00596	0.00000	0.00310
#2	3.86382	-0.00057	1.21255	-0.00164	-0.00101	-0.00127	0.00165	0.00046	0.00302
Mean	3.82455	-0.00028	1.21170	-0.00065	-0.00098	-0.00108	-0.00215	0.00023	0.00306
%RSD	1.45209	145.07261	0.09915	215.54282	4.46548	25.03734	249.73070	144.12861	1.94381
	Zr	Pb	Se						
	ppm	calc	calc						
#1	-0.00201	-0.00090	-0.00084						
#2	-0.00191	-0.00048	-0.00199						
Mean	-0.00196	-0.00069	-0.00142						
%RSD	3.93641	43.50952	57.12531						

ted: 1/13/2009 16:37:06 **User: ROY FRENCH**
 Method : Paragon File : 090113A
SampleId1 : 0901040-2 10X **SampleId2 :**
Analysis commenced : 1/13/2009 14:53:02
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:50
[SAMPLE]
 Position : TUBE12

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00026	0.12512	0.00161	1.21975	1.84833	0.00013	0.00467	16.89062	-0.00037
#2	-0.00005	0.12387	-0.00085	1.21500	1.84329	0.00014	0.00230	16.82009	-0.00048
Mean	0.00011	0.12449	0.00038	1.21737	1.84581	0.00014	0.00348	16.85535	-0.00042
%RSD	210.63126	0.70792	453.41151	0.27573	0.19282	4.66254	48.12631	0.29587	17.45847

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00023	0.00008	-0.00143	6.21305	32.60331	0.48082	1.55604	0.09503	-0.00127
#2	-0.00023	0.00020	-0.00150	6.19732	32.53297	0.47964	1.55178	0.09470	-0.00177
Mean	-0.00023	0.00014	-0.00147	6.20519	32.56814	0.48023	1.55391	0.09487	-0.00152
%RSD	2.15038	61.40936	3.41832	0.17931	0.15273	0.17396	0.19367	0.25133	23.21002

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	414.77784	-0.00024	-0.09476	-0.00027	-0.00141	0.52536	0.00114	-0.00034	-0.00116
#2	413.78562	-0.00066	-0.10357	0.00251	-0.00215	0.52277	0.00005	-0.00187	-0.00192
Mean	414.28173	-0.00045	-0.09916	0.00112	-0.00178	0.52407	0.00060	-0.00110	-0.00154
%RSD	0.16936	67.25061	6.28240	175.79108	29.47155	0.34983	129.51507	98.15051	34.73699

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	5.31686	0.00232	2.02604	0.00078	-0.00095	0.00005	0.00381	-0.00080	0.00167
#2	5.32402	0.00290	2.01768	0.00040	-0.00096	-0.00121	0.00471	-0.00032	0.00201
Mean	5.32044	0.00261	2.02186	0.00059	-0.00095	-0.00058	0.00426	-0.00056	0.00184
%RSD	0.09508	15.66973	0.29253	45.28073	0.41795	154.69137	15.03357	60.72162	12.92859

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00273	-0.00103	-0.00089
#2	-0.00262	-0.00060	-0.00190
Mean	-0.00267	-0.00082	-0.00139
%RSD	3.04631	37.24056	51.46138

Method : Paragon File : 090113A
SampleId1 : 0901040-2D 10X **SampleId2 :**
Analysis commenced : 1/13/2009 14:54:55
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:50
[SAMPLE]
 Position : TUBE13

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
#1	-0.00068	0.11575	-0.00088	1.22195	1.77335	0.00014	-0.00135	16.95249	-0.00069
#2	-0.00048	0.11569	-0.00198	1.22462	1.77485	0.00012	0.00211	16.96303	-0.00059
Mean	-0.00058	0.11572	-0.00143	1.22329	1.77410	0.00013	0.00038	16.95776	-0.00064
%RSD	24.41283	0.03787	54.59040	0.15434	0.05941	11.42960	644.75221	0.04391	11.15124

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
#1	-0.00084	-0.00057	-0.00241	6.23811	32.78465	0.48300	1.55454	0.09541	-0.00158
#2	-0.00045	-0.00035	-0.00192	6.24481	32.73899	0.48197	1.55654	0.09550	-0.00103
Mean	-0.00064	-0.00046	-0.00217	6.24146	32.76182	0.48249	1.55554	0.09546	-0.00131
%RSD	42.74449	34.35105	16.12435	0.07596	0.09856	0.15144	0.09104	0.06244	29.58189

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
#1	415.48868	-0.00145	-0.09035	-0.00010	0.00043	0.50851	-0.00038	-0.00351	-0.00197
#2	411.76727	-0.00073	-0.11101	-0.00008	-0.00174	0.50721	-0.00130	-0.00559	-0.00206
Mean	413.62798	-0.00109	-0.10068	-0.00009	-0.00066	0.50786	-0.00084	-0.00455	-0.00202
%RSD	0.63618	46.48794	14.50672	14.76931	233.22072	0.18049	77.74783	32.32232	3.14507

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
#1	5.49371	-0.00115	2.03170	0.00144	-0.00089	-0.00101	-0.00248	-0.00054	-0.00094
#2	5.50811	-0.00242	2.03185	-0.00034	-0.00096	0.00083	-0.00472	-0.00076	-0.00043
Mean	5.50091	-0.00179	2.03177	0.00055	-0.00092	-0.00009	-0.00360	-0.00065	-0.00068
%RSD	0.18502	50.38244	0.00524	227.83733	5.18392	1422.13396	44.08833	23.03151	52.23150

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00288	0.00025	-0.00248
#2	-0.00302	-0.00118	-0.00323
Mean	-0.00295	-0.00047	-0.00286
%RSD	3.43763	217.29213	18.60179

Method : Paragon File : 090113A Printed : 1/13/2009 16:36:51

SampleId1 : 0901040-2L 50X SampleId2 : [SAMPLE]

Analysis commenced : 1/13/2009 14:56:49

Dilution ratio : 1.00000 to 1.00000 Tray : Position : TUBE14

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
#1	0.00002	0.12425	0.00029	0.24908	0.39080	0.00011	0.00330	3.51138	-0.00011
#2	-0.00033	0.12609	-0.00009	0.24913	0.39611	0.00010	0.00275	3.52454	-0.00049
Mean	-0.00015	0.12517	0.00010	0.24911	0.39346	0.00011	0.00303	3.51796	-0.00030
%RSD	158.37305	1.03650	268.14307	0.01207	0.95524	5.49613	12.88285	0.26453	89.55787

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
#1	0.00002	0.12425	0.00029	0.24908	0.39080	0.00011	0.00330	3.51138	-0.00011
#2	-0.00033	0.12609	-0.00009	0.24913	0.39611	0.00010	0.00275	3.52454	-0.00049
Mean	-0.00015	0.12517	0.00010	0.24911	0.39346	0.00011	0.00303	3.51796	-0.00030
%RSD	158.37305	1.03650	268.14307	0.01207	0.95524	5.49613	12.88285	0.26453	89.55787

#1	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#2	-0.00039	-0.00038	-0.00186	1.28552	5.16291	0.08759	0.30959
Mean	-0.00074	-0.00057	-0.00178	1.29420	5.21605	0.08859	0.31059
%RSD	-0.00057	-0.00048	-0.00182	1.28986	5.18948	0.08809	0.31009
	43.72740	27.46793	3.15506	0.47608	0.72411	0.80635	0.22825

#1	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
#2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	95.75068	-0.00144	-0.04943	0.00154	-0.00185	0.09633	-0.00075	-0.00115	-0.00246
%RSD	96.77226	-0.00072	-0.04512	-0.00127	-0.00117	0.09633	0.00034	-0.00526	-0.00032
	96.26147	-0.00108	-0.04728	0.00013	-0.00151	0.09633	-0.00021	-0.00320	-0.00139
	0.75041	47.08321	6.44357	1497.32307	31.89635	0.00000	372.32348	90.86236	109.14518

#1	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
#2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	1.10165	-0.00080	0.43001	0.00237	-0.00079	-0.00266	0.00716	-0.00025	-0.00060
%RSD	1.11308	-0.00277	0.43532	-0.00211	-0.00111	-0.00073	-0.00672	-0.00065	-0.00102
	1.10736	-0.00179	0.43267	0.00013	-0.00095	-0.00169	0.00022	-0.00045	-0.00081
	0.72978	77.85501	0.86798	2424.23222	23.96480	80.63407	4421.98769	63.82966	36.74138

#1	Zr	Pb	Se
#2	ppm	calc	calc
Mean	-0.00091	-0.00072	-0.00202
%RSD	-0.00077	-0.00120	-0.00196
	-0.00084	-0.00096	-0.00199
	11.84061	35.34807	2.02404

Method : Paragon
SampleId1 : 0901040-2MS 10X
SampleId2 :
Analysis commenced : 1/13/2009 14:58:42
Dilution ratio : 1.00000 to 1.00000
Tray :

Printed : 1/13/2009 16:36:51
[SAMPLE]
Position : TUBE15

Final concentrations

#1	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
#2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.00034	0.31856	0.19775	1.31993	1.94957	0.00492	0.00689	20.55024	0.00496
%RSD	0.00046	0.31808	0.20166	1.33014	1.96215	0.00494	0.00442	20.62447	0.00433
	0.00040	0.31832	0.19971	1.32503	1.95586	0.00493	0.00566	20.58736	0.00464
	21.75483	0.10726	1.38102	0.54491	0.45485	0.27398	30.80481	0.25495	9.66248

#1	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
#2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.04798	0.01975	0.02318	6.27692	38.82403	0.54430	5.23062	0.14187	0.09888
%RSD	0.04880	0.01947	0.02304	6.30904	39.02190	0.54736	5.25042	0.14271	0.10050
	0.04839	0.01961	0.02311	6.29298	38.92296	0.54583	5.24052	0.14229	0.09969
	1.20034	1.00537	0.41756	0.36088	0.35947	0.39712	0.26722	0.41902	1.14733

#1	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
#2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	95.75068	-0.00144	-0.04943	0.00154	-0.00185	0.09633	-0.00075	-0.00115	-0.00246
%RSD	96.77226	-0.00072	-0.04512	-0.00127	-0.00117	0.09633	0.00034	-0.00526	-0.00032
	96.26147	-0.00108	-0.04728	0.00013	-0.00151	0.09633	-0.00021	-0.00320	-0.00139
	0.75041	47.08321	6.44357	1497.32307	31.89635	0.00000	372.32348	90.86236	109.14518

#1	408.56373	0.04969	-0.08458	0.05146	0.04542	0.49944	0.05324	0.19906	0.19047
#2	407.86442	0.04966	-0.10386	0.05367	0.04605	0.50981	0.05223	0.19911	0.19484
Mean	408.21408	0.04968	-0.09422	0.05256	0.04573	0.50462	0.05274	0.19908	0.19265
%RSD	0.12113	0.03930	14.47328	2.97254	0.96991	1.45321	1.36241	0.01526	1.60320

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	5.60469	0.05097	2.08607	-0.00226	0.04563	0.20429	0.00869	0.04686	0.04823
#2	5.64707	0.04958	2.09817	-0.00072	0.04595	0.20623	0.00330	0.04762	0.04874
Mean	5.62588	0.05027	2.09212	-0.00149	0.04579	0.20526	0.00599	0.04724	0.04848
%RSD	0.53272	1.95275	0.40893	73.00898	0.49619	0.66576	63.64696	1.13839	0.73666

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00256	0.04743	0.19333
#2	-0.00289	0.04859	0.19626
Mean	-0.00273	0.04801	0.19479
%RSD	8.70979	1.70006	1.06277

Method : Paragon File : 090113A
SampleId1 : 0901040-2MSD 10X SampleId2 :
Analysis commenced : 1/13/2009 15:00:35
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:51
[SAMPLE]

Position : TUBE16

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00004	0.32004	0.20320	1.33721	1.96482	0.00504	0.00351	20.88317	0.00471
#2	0.00034	0.32112	0.20087	1.33675	1.95279	0.00503	0.00497	20.89971	0.00439
Mean	0.00019	0.32058	0.20203	1.33698	1.95881	0.00503	0.00424	20.89144	0.00455
%RSD	114.43588	0.23757	0.81465	0.02465	0.43397	0.06475	24.42274	0.05596	4.98577

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.04857	0.01931	0.02298	6.36556	38.94723	0.54617	5.29956	0.14397	0.09919
#2	0.04951	0.01997	0.02353	6.35555	38.64639	0.54223	5.29479	0.14360	0.10064
Mean	0.04904	0.01964	0.02325	6.36056	38.79681	0.54420	5.29718	0.14378	0.09992
%RSD	1.34989	2.37085	1.67278	0.11128	0.54831	0.51122	0.06358	0.18660	1.02689

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	410.94781	0.05074	-0.10210	0.04791	0.04873	0.50851	0.05053	0.19895	0.19602
#2	410.27148	0.05176	-0.11414	0.05404	0.04533	0.49295	0.05081	0.19985	0.19921
Mean	410.60965	0.05125	-0.10812	0.05097	0.04703	0.50073	0.05067	0.19940	0.19761
%RSD	0.11647	1.40953	7.87442	8.50311	5.11839	2.19674	0.38915	0.32103	1.14111

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	5.72061	0.05050	2.10434	-0.00207	0.04590	0.20639	-0.00614	0.04724	0.04958

#2	5.71033	0.05247	2.09505	-0.00007	0.04617	0.20791	0.00998	0.04751	0.05000
Mean	5.71547	0.05149	2.09969	-0.00107	0.04603	0.20715	0.00192	0.04737	0.04979
%RSD	0.12726	2.69998	0.31287	132.25124	0.41562	0.51909	594.55179	0.40122	0.59779

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00295	0.04846	0.19699
#2	-0.00267	0.04823	0.19942
Mean	-0.00281	0.04834	0.19821
%RSD	6.94345	0.33569	0.86638

Method : Paragon
File : 090113A
SampleId1 : 0901040-3 10X
SampleId2 :
Analysis commenced : 1/13/2009 15:02:28
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:51
[SAMPLE]
Position : TUBE17

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00020	0.12609	0.00155	0.85095	5.04905	0.00005	0.00521	13.44666	-0.00065
#2	-0.00005	0.12775	0.00060	0.84875	5.03419	0.00006	0.00531	13.43202	-0.00057
Mean	-0.00013	0.12692	0.00108	0.84985	5.04162	0.00006	0.00526	13.43934	-0.00061
%RSD	87.62461	0.92433	62.09122	0.18360	0.20844	12.03874	1.23814	0.07703	9.40284

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00050	-0.00072	-0.00178	0.44438	37.37819	0.42646	1.48895	0.01017	-0.00018
#2	0.00012	-0.00007	-0.00171	0.44319	37.28169	0.42523	1.47818	0.01008	-0.00089
Mean	0.00031	-0.00039	-0.00174	0.44379	37.32994	0.42584	1.48357	0.01012	-0.00053
%RSD	87.02602	117.14864	2.76744	0.19011	0.18280	0.20338	0.51308	0.58847	94.37400

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	388.41922	-0.00064	-0.02975	0.00043	-0.00142	0.44499	0.00013	-0.00231	-0.00150
#2	388.30859	-0.00105	-0.04062	0.00194	-0.00234	0.42943	0.00022	0.00065	-0.00023
Mean	388.36390	-0.00084	-0.03518	0.00119	-0.00188	0.43721	0.00017	-0.00083	-0.00086
%RSD	0.02014	34.72173	21.84307	90.09563	34.29187	2.51578	39.72650	252.82775	103.74745

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	3.75074	-0.00161	1.83042	-0.00125	-0.00104	0.00147	-0.00614	-0.00025	-0.00085
#2	3.73274	-0.00046	1.82513	-0.00139	-0.00099	0.00154	-0.00345	-0.00004	-0.00110
Mean	3.74174	-0.00103	1.82778	-0.00132	-0.00102	0.00151	-0.00480	-0.00015	-0.00098
%RSD	0.34016	79.12238	0.20457	7.63093	3.53191	3.08714	39.59912	101.65839	18.25145

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00234	-0.00081	-0.00177
#2	-0.00225	-0.00091	0.00006

Mean -0.00230 -0.00086 -0.00085NCH
%RSD 2.92667 8.65773 152.13572

Method : Paragon
SampleId1 : ZZZ File : 090113A
SampleId2 :
Analysis commenced : 1/13/2009 15:04:21
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:52
[SAMPLE]
Position : TUBE18

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00011	0.13030	-0.00204	0.66821	1.33735	0.00018	0.00239	3.52483	-0.00038
#2	0.00077	0.13068	-0.00148	0.66690	1.33467	0.00020	0.00586	3.52723	-0.00011
Mean	0.00044	0.13049	-0.00176	0.66755	1.33601	0.00019	0.00412	3.52603	-0.00025
%RSD	107.16618	0.20414	22.79553	0.13943	0.14177	4.53929	59.49819	0.04825	79.56842
	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00005	0.00597	-0.00080	1.57314	12.99811	0.31044	0.39692	0.01202	-0.00053
#2	-0.00011	0.00657	-0.00067	1.57347	12.99381	0.31027	0.40017	0.01210	-0.00044
Mean	-0.00008	0.00627	-0.00073	1.57331	12.99596	0.31036	0.39855	0.01206	-0.00049
%RSD	55.55634	6.77787	12.60418	0.01476	0.02338	0.03834	0.57718	0.49393	13.81216

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	241.36074	-0.00013	1.81127	0.00279	-0.00241	2.22453	0.00105	0.00091	-0.00004
#2	241.40901	-0.00029	1.81709	0.00391	-0.00401	2.22713	-0.00031	-0.00288	-0.00231
Mean	241.38487	-0.00021	1.81418	0.00335	-0.00321	2.22583	0.00037	-0.00099	-0.00118
%RSD	0.01414	56.21261	0.22659	23.51391	35.32421	0.08246	261.69474	271.99415	136.04076

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.93652	0.00035	0.53237	0.00126	-0.00088	0.00144	-0.00288	0.00024	0.00041
#2	1.93577	-0.00057	0.53101	0.00127	-0.00088	-0.00229	0.01055	0.00016	0.00075
Mean	1.93615	-0.00011	0.53169	0.00127	-0.00088	-0.00043	0.00383	0.00020	0.00058
%RSD	0.02710	603.18677	0.18086	0.76495	0.00000	621.16109	247.67522	27.78345	41.12738

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00119	-0.00068	0.00027
#2	-0.00095	-0.00137	-0.00250
Mean	-0.00107	-0.00103	-0.00111
%RSD	15.96451	48.17269	176.18707

Method : Paragon
SampleId1 : 0901040-5 10X File : 090113A
SampleId2 :
Analysis commenced : 1/13/2009 15:06:14
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:52
[SAMPLE]
Position : TUBE19

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00046	0.13576	-0.00094	1.05903	0.79073	0.00008	0.00376	2.76276	-0.00055
#2	-0.00012	0.13534	0.00111	1.06055	0.79432	0.00007	-0.00008	2.75710	-0.00057
Mean	0.00017	0.13555	0.00008	1.05979	0.79253	0.00008	0.00184	2.75993	-0.00056
%RSD	239.90602	0.21902	1725.07965	0.10186	0.32035	6.61059	147.40404	0.14487	2.93978

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00016	0.00116	-0.00115	0.71075	14.93702	0.33896	0.28531	0.00692	0.00008
#2	-0.00042	0.00092	-0.00114	0.71031	15.00482	0.34028	0.27631	0.00684	0.00044
Mean	-0.00029	0.00104	-0.00114	0.71053	14.97092	0.33962	0.28081	0.00688	0.00026
%RSD	64.16993	16.59514	0.73094	0.04327	0.32023	0.27445	2.26840	0.86590	96.22953

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	269.76473	-0.00026	1.43295	0.00288	-0.00236	1.90012	0.00000	0.00302	-0.00237
#2	269.58516	-0.00071	1.46110	-0.00033	-0.00082	1.92218	-0.00206	-0.00293	-0.00174
Mean	269.67495	-0.00048	1.44702	0.00128	-0.00159	1.91115	-0.00103	0.00005	-0.00205
%RSD	0.04708	64.47484	1.37538	178.02250	68.74251	0.81613	142.00648	8955.96194	21.79779

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	3.32513	-0.00161	0.47124	-0.00006	-0.00089	0.00145	-0.00006	0.00015	0.00083
#2	3.33079	-0.00138	0.47205	-0.00037	-0.00098	0.00241	-0.01528	-0.00045	-0.00001
Mean	3.32796	-0.00150	0.47165	-0.00021	-0.00093	0.00193	-0.00767	-0.00015	0.00041
%RSD	0.12026	10.93632	0.12194	103.76909	6.82846	35.15644	140.40330	275.04303	144.98126

Method : Paragon File : 090113A
SampleId1 : IP090112-5MB SampleId2 :
Analysis commenced : 1/13/2009 15:08:06
Dilution ratio : 1.00000 to 1.00000 Tray :
Position : TUBE20

Printed : 1/13/2009 16:36:52

[SAMPLE]

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00014	0.03125	-0.00185	-0.00359	-0.00046	0.00010	0.00294	-0.23318	-0.00007
#2	0.00003	0.02994	-0.00116	-0.00359	-0.00056	0.00009	0.00604	-0.23402	-0.00005
Mean	0.00008	0.03060	-0.00151	-0.00359	-0.00051	0.00009	0.00449	-0.23360	-0.00006
%RSD	97.12703	3.03853	32.52066	0.00000	14.58650	0.52440	48.86698	0.25562	16.29357

ted: 1/13/2009 16:37:06 User: ROY FRENCH

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00043	0.00011	-0.00157	-0.00101	0.23968	0.00430	-0.01870	-0.00079	-0.00108
#2	-0.00058	0.00001	-0.00150	-0.00090	0.22459	0.00427	-0.02246	-0.00074	-0.00130
Mean	-0.00051	0.00006	-0.00154	-0.00096	0.23213	0.00428	-0.02058	-0.00077	-0.00119
%RSD	20.81632	128.65134	3.30011	7.99313	4.59587	0.48243	12.89607	3.89090	12.73359

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.27839	0.00048	0.00854	-0.00183	-0.00165	0.05486	0.00055	-0.00204	-0.00173
#2	0.27371	0.00001	0.00335	-0.00025	-0.00080	0.05745	0.00190	-0.00353	-0.00206
Mean	0.27605	0.00025	0.00594	-0.00104	-0.00123	0.05615	0.00122	-0.00279	-0.00189
%RSD	1.19862	134.27315	61.75089	106.85684	48.92397	3.26379	78.38834	37.70006	12.39320

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.10179	0.00556	-0.00093	0.00007	-0.00081	-0.00062	0.00132	-0.00009	-0.00102
#2	0.07703	0.00556	-0.00094	0.00049	-0.00093	0.00032	-0.00047	-0.00024	-0.00068
Mean	0.08941	0.00556	-0.00093	0.00028	-0.00087	-0.00015	0.00043	-0.00017	-0.00085
%RSD	19.57873	0.00183	1.08847	107.59677	10.05682	434.37252	294.86974	65.78287	27.94128

Method : Paragon File : 090113A
SampleId1 : CCV SampleId2 :
Analysis commenced : 1/13/2009 15:10:00
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:53
[CV]

Position : STD6

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.20169	50.93300	0.51397	1.01530	0.97044	0.50211	0.51679	51.97197	0.51195
#2	0.20158	50.83786	0.51648	1.01539	0.96893	0.50276	0.52035	52.11541	0.51418
Mean	0.20163	50.88543	0.51522	1.01535	0.96969	0.50244	0.51857	52.04369	0.51307
%RSD	0.03855	0.13221	0.34452	0.00591	0.10990	0.09093	0.48547	0.19490	0.30766

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.49744	1.00425	1.00975	20.15692	50.30445	0.50182	51.52615	0.99006	1.02306
#2	0.49868	1.00606	1.00814	20.18284	50.17346	0.50050	51.59038	0.99086	1.02161
Mean	0.49806	1.00515	1.00895	20.16988	50.23895	0.50116	51.55827	0.99046	1.02233
%RSD	0.17660	0.12682	0.11269	0.09086	0.18437	0.18606	0.08809	0.05744	0.10021

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.80698	1.04615	4.98909	1.01452	0.96775	5.12917	0.51166	0.99120	0.97413
#2	49.70227	1.04667	4.98391	1.01563	0.96885	5.13307	0.51282	0.99450	0.98078
Mean	49.75463	1.04641	4.98650	1.01508	0.96830	5.13112	0.51224	0.99285	0.97745
%RSD	0.14881	0.03531	0.07344	0.07743	0.08004	0.05376	0.16010	0.23451	0.48090
	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.90569	1.01853	0.50269	0.15773	0.47915	0.49261	4.75870	0.48488	0.98966
#2	4.90801	1.02244	0.50243	0.16260	0.47894	0.49874	4.75195	0.48533	0.99243
Mean	4.90685	1.02049	0.50256	0.16016	0.47905	0.49567	4.75532	0.48511	0.99105
%RSD	0.03340	0.27119	0.03579	2.14921	0.03237	0.87367	0.10033	0.06532	0.19754

	Zr	Pb	Se
	ppm	calc	calc
#1	1.02423	0.98333	0.97982
#2	1.02340	0.98443	0.98535
Mean	1.02382	0.98388	0.98258
%RSD	0.05759	0.07914	0.39800

Method : Paragon
 SampleId1 : CCB
 SampleId2 :
 Analysis commenced : 1/13/2009 15:12:01
 Dilution ratio : 1.00000 to 1.00000 Tray :
 Printed : 1/13/2009 16:36:53
 [CB]
 Position : STD2

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00122	0.04284	-0.00157	-0.00559	-0.00030	0.00028	-0.00154	-0.22135	-0.00067
#2	0.00019	0.05098	-0.00078	-0.00470	-0.00022	0.00027	0.00248	-0.22135	-0.00021
Mean	-0.00052	0.04691	-0.00118	-0.00514	-0.00026	0.00027	0.00047	-0.22135	-0.00044
%RSD	192.69685	12.28064	47.34830	12.28584	21.44765	0.86928	604.42714	0.00000	74.80453
	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00130	-0.00111	-0.00226	0.00034	0.22119	0.00437	-0.01295	-0.00070	-0.00065
#2	-0.00061	-0.00038	-0.00164	0.00099	0.21630	0.00438	-0.00419	-0.00062	0.00013
Mean	-0.00095	-0.00075	-0.00195	0.00066	0.21874	0.00437	-0.00857	-0.00066	-0.00026
%RSD	50.89935	69.89046	22.71482	68.94576	1.57990	0.11816	72.26651	9.02304	212.56074
	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.22353	-0.00147	-0.00605	-0.00731	0.00114	-0.01383	-0.00156	-0.00498	0.00243
#2	0.22239	-0.00033	-0.01163	0.00014	0.00052	-0.01123	0.00186	-0.00250	0.00035
Mean	0.22296	-0.00090	-0.00884	-0.00358	0.00083	-0.01253	0.00015	-0.00374	0.00139
%RSD	0.36064	89.07418	44.62938	147.01623	52.16001	14.62655	1596.69412	46.94129	105.47939
	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#2	-0.00595	-0.00416	-0.00078	0.00176	-0.00079	0.00192	-0.01524	-0.00071	-0.00153
Mean	-0.00343	-0.00115	-0.00071	0.00189	-0.00085	0.00615	-0.00673	0.00003	-0.00136
%RSD	-0.00469	-0.00265	-0.00075	0.00183	-0.00082	0.00404	-0.01099	-0.00034	-0.00144
	37.92506	80.15068	6.80390	4.96452	5.35744	74.13027	54.73734	152.85416	8.25928

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00181	-0.00167	-0.00003
#2	-0.00141	0.00040	-0.00059
Mean	-0.00161	-0.00064	-0.00031
%RSD	17.83437	229.30868	126.31985

Method : Paragon
 File : 090113A
 SampleId1 : IP090112-5LCS
 SampleId2 :
 Analysis commenced : 1/13/2009 15:14:01
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:53
 [SAMPLE]
 Position : TUBE21

Final concentrations

#1	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
#2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.10134	2.02386	1.95995	0.96652	1.94051	0.04983	0.00434	39.88255	0.04814
%RSD	0.09985	2.03823	1.96240	0.96975	1.94714	0.04987	-0.00222	39.93434	0.04794
	0.10060	2.03104	1.96117	0.96814	1.94383	0.04985	0.00106	39.90844	0.04804
	1.04743	0.50049	0.08838	0.23546	0.24142	0.06098	438.41692	0.09175	0.28628

#1	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
#2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.49244	0.20144	0.25286	0.96491	37.79105	0.46810	39.40584	0.48962	1.01971
%RSD	0.49331	0.20242	0.25498	0.96665	37.92994	0.47000	39.47994	0.49063	1.02045
	0.49288	0.20193	0.25392	0.96578	37.86050	0.46905	39.44289	0.49012	1.02008
	0.12428	0.34366	0.58870	0.12762	0.25941	0.28654	0.13285	0.14624	0.05104

#1	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
#2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	36.65412	0.52764	0.01167	0.49901	0.47450	0.04967	0.49047	1.83399	1.78905
%RSD	36.82059	0.52628	0.01236	0.49902	0.47717	0.05227	0.49413	1.83732	1.79988
	36.73735	0.52696	0.01201	0.49901	0.47584	0.05097	0.49230	1.83566	1.79447
	0.32041	0.18305	4.03442	0.00226	0.39649	3.59571	0.52650	0.12822	0.42679

#1	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
#2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	1.83680	0.51085	0.49484	-0.01370	0.48127	2.00180	-0.00247	0.49116	0.48581
%RSD	1.84317	0.50831	0.49612	-0.01268	0.48274	2.00157	-0.00963	0.49217	0.48774
	1.83999	0.50958	0.49548	-0.01319	0.48201	2.00168	-0.00605	0.49166	0.48678
	0.24472	0.35252	0.18251	5.48055	0.21528	0.00791	83.74974	0.14411	0.28082

	Zr	Pb	Se
	ppm	calc	calc

#1	-0.00189	0.48266	1.80402	NCH
#2	-0.00203	0.48445	1.81235	
Mean	-0.00196	0.48355	1.80818	
%RSD	4.99368	0.26101	0.32586	

Method : Paragon
 File : 090113A
SampleId1 : 0901037-1
sampleId2 :
Analysis commenced : 1/13/2009 15:15:54
 Dilution ratio : 1.0000 to 1.0000 Tray :

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00009	30.53397	0.03327	0.17067	1.20871	0.00374	0.00864	201.47233	0.03231
#2	-0.00037	30.61917	0.03311	0.17267	1.20771	0.00373	0.01128	201.07658	0.03264
Mean	-0.00023	30.57657	0.03319	0.17167	1.20821	0.00374	0.00996	201.27445	0.03248
%RSD	84.90802	0.19703	0.33550	0.82338	0.05892	0.13520	18.74059	0.13903	0.73535

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.02612	0.06279	0.12969	85.72749	11.89612	0.07584	38.64713	1.85123	0.00475
#2	0.02594	0.06279	0.12983	85.53737	11.93583	0.07588	38.61313	1.84855	0.00334
Mean	0.02603	0.06279	0.12976	85.63243	11.91597	0.07586	38.63013	1.84989	0.00405
%RSD	0.47214	0.00088	0.07600	0.15699	0.23567	0.03621	0.06223	0.10244	24.53748

Printed : 1/13/2009 16:36:53
[SAMPLE]
 Position : TUBE22

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	2.75641	0.05828	6.68861	0.49509	0.46183	5.15257	0.01224	-0.00455	-0.00100
#2	2.76867	0.05854	6.71675	0.49343	0.46453	5.16298	0.00962	0.00169	-0.00192
Mean	2.76254	0.05841	6.70268	0.49426	0.46318	5.15778	0.01093	-0.00143	-0.00146
%RSD	0.31400	0.31754	0.29691	0.23799	0.41170	0.14261	16.95620	308.96307	44.85122

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	8.09202	0.03800	1.25950	0.01527	1.54523	0.00339	0.02488	0.14366	7.91801
#2	8.10577	0.03731	1.25948	0.01304	1.54217	-0.00196	0.02635	0.14388	7.89732
Mean	8.09890	0.03766	1.25949	0.01415	1.54370	0.00071	0.02561	0.14377	7.90767
%RSD	0.11999	1.29650	0.00083	11.15603	0.14000	529.77127	4.06530	0.10544	0.18500

	Zr	Pb	Se
	ppm	calc	calc
#1	0.07494	0.47291	-0.00218
#2	0.07505	0.47415	-0.00072
Mean	0.07500	0.47353	-0.00145
%RSD	0.10695	0.18588	71.25604

Method : Paragon
 File : 090113A
SampleId1 : 0901037-2
sampleId2 :
Analysis commenced : 1/13/2009 15:17:47

Printed : 1/13/2009 16:36:54
[SAMPLE]

Dilution ratio : 1.00000 to 1.00000 Tray :

Position : TUBE23

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00055	32.86980	0.04231	0.21813	1.71152	0.00372	0.00687	361.06363	0.03113
#2	0.00032	33.04273	0.04237	0.21945	1.71628	0.00374	0.01236	361.28890	0.03152
Mean	-0.00012	32.95627	0.04234	0.21879	1.71390	0.00373	0.00962	361.17626	0.03133
%RSD	524.66498	0.37103	0.10519	0.42605	0.19646	0.38400	40.31058	0.04410	0.88551

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.03031	0.18436	0.25310	171.19206	13.78868	0.10063	65.30556	2.79662	0.02283
#2	0.03078	0.18511	0.25501	171.33820	13.83556	0.10108	65.48536	2.80123	0.02411
Mean	0.03055	0.18474	0.25406	171.26513	13.81212	0.10085	65.39546	2.79893	0.02347
%RSD	1.10027	0.28480	0.52953	0.06034	0.23998	0.31457	0.19441	0.11664	3.87047

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.86953	0.13249	3.14072	1.28572	1.21697	10.52173	0.01103	-0.00640	0.00281
#2	4.89526	0.13316	3.13894	1.29456	1.22142	10.54260	0.01169	-0.00207	0.00231
Mean	4.88239	0.13283	3.13983	1.29014	1.21920	10.53217	0.01136	-0.00424	0.00256
%RSD	0.37264	0.36002	0.04012	0.48451	0.25765	0.14017	4.09178	72.38989	13.70347

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	7.07709	0.04871	2.32965	0.00957	1.48848	-0.00297	0.04906	0.16894	7.80825
#2	7.08745	0.04778	2.33153	0.00973	1.49239	-0.00305	0.04269	0.17026	7.81251
Mean	7.08227	0.04824	2.33059	0.00965	1.49043	-0.00301	0.04587	0.16960	7.81038
%RSD	0.10339	1.36284	0.05721	1.17582	0.18536	1.85450	9.81456	0.55159	0.03851

	Zr	Pb	Se
	ppm	calc	calc
#1	0.06739	1.23987	-0.00026
#2	0.06759	1.24577	0.00085
Mean	0.06749	1.24282	0.00030
%RSD	0.21431	0.33607	264.65197

Method : Paragon

File : 090113A

SampleId1 : 0901037-3

SampleId2 :

Analysis commenced : 1/13/2009 15:19:40

Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:54

[SAMPLE]

Position : TUBE24

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00006	31.08401	0.04111	0.20078	1.19452	0.00363	0.00731	318.94626	0.02170
#2	-0.00014	31.01070	0.03787	0.20090	1.19184	0.00362	0.00776	319.54006	0.02139

Mean	-0.00004	31.04735	0.03949	0.20084	1.19318	0.00362	0.00754	319.24316	0.02154
%RSD	391.94112	0.16695	5.80865	0.04492	0.15855	0.19881	4.28339	0.13152	1.00129
	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.02947	0.17036	0.27321	156.08249	12.94611	0.08661	36.67391	2.46791	0.02035
#2	0.02968	0.17026	0.27377	156.32240	12.90120	0.08641	36.69293	2.46872	0.02054
Mean	0.02958	0.17031	0.27349	156.20244	12.92366	0.08651	36.68342	2.46832	0.02045
%RSD	0.49703	0.03885	0.14359	0.10860	0.24570	0.16065	0.03665	0.02323	0.65813
	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.48275	0.12462	3.15913	0.85329	0.80152	12.86568	0.01220	0.00266	0.00090
#2	4.46852	0.12446	3.14913	0.85327	0.80399	12.87352	0.01281	-0.00362	0.00126
Mean	4.47564	0.12454	3.15413	0.85328	0.80275	12.86960	0.01251	-0.00048	0.00108
%RSD	0.22483	0.09404	0.22412	0.00159	0.21686	0.04308	3.39361	931.10726	23.49465
	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	8.12379	0.05736	1.19146	0.01477	1.51281	-0.00349	0.03607	0.16447	7.35712
#2	8.10562	0.05794	1.18879	0.01679	1.51137	-0.00448	0.04486	0.16345	7.38145
Mean	8.11471	0.05765	1.19013	0.01578	1.51209	-0.00399	0.04046	0.16396	7.36928
%RSD	0.15836	0.71140	0.15837	9.05800	0.06716	17.62983	15.36257	0.43832	0.23352

	Zr	Pb	Se
	ppm	calc	calc
#1	0.06303	0.81876	0.00149
#2	0.06269	0.82040	-0.00037
Mean	0.06286	0.81958	0.00056
%RSD	0.38322	0.14113	233.88043

Method : Paragon
SampleId1 : 0901050-1
SampleId2 :
Analysis commenced : 1/13/2009 15:21:34
Dilution ratio : 1.00000 to 1.00000 Tray :
Printed : 1/13/2009 16:36:54
[SAMPLE]
Position : TUBE25

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00018	73.93381	0.05238	0.02964	0.32127	0.00281	0.01202	216.63062	0.00007
#2	-0.00096	74.43855	0.05657	0.02862	0.32312	0.00281	0.00901	216.65097	0.00002
Mean	-0.00039	74.18618	0.05448	0.02913	0.32219	0.00281	0.01052	216.64080	0.00004
%RSD	205.72907	0.48110	5.43606	2.47866	0.40399	0.14668	20.22164	0.00664	79.58518
	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.02072	0.09381	0.06758	193.68098	6.33411	0.09195	118.94521	0.77095	0.01079
#2	0.02054	0.09302	0.06858	193.74545	6.37150	0.09252	119.16330	0.77260	0.01053
Mean	0.02063	0.09342	0.06808	193.71321	6.35281	0.09223	119.05426	0.77177	0.01066

%RSD	0.62512	0.60054	1.03300	0.02353	0.41614	0.43709	0.12953	0.15114	1.73610
	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.44499	0.05622	2.22452	0.08158	0.06515	1.56539	0.00923	-0.00658	0.00128
#2	0.44680	0.05521	2.26043	0.07557	0.06859	1.56799	0.00537	-0.00151	0.00159
Mean	0.44590	0.05572	2.24248	0.07858	0.06687	1.56669	0.00730	-0.00404	0.00144
%RSD	0.28832	1.27900	1.13260	5.41470	3.64159	0.11710	37.34066	88.61176	15.18162
	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	6.04451	0.02920	0.09044	0.01608	0.55781	-0.00603	0.05747	0.14733	0.18996
#2	6.06998	0.02770	0.09083	0.01374	0.56073	-0.00035	0.04445	0.14672	0.18870
Mean	6.05724	0.02845	0.09064	0.01491	0.55927	-0.00319	0.05096	0.14702	0.18933
%RSD	0.29733	3.74597	0.30881	11.09101	0.36879	126.00280	18.07643	0.29146	0.47137

	Zr	Pb	Se
	ppm	calc	calc
#1	0.07071	0.07062	-0.00133
#2	0.07088	0.07091	0.00056
Mean	0.07079	0.07077	-0.00039
%RSD	0.16970	0.29310	345.48165

Method : Paragon File : 090113A
SampleId1 : 0901050-2 SampleId2 :
Analysis commenced : 1/13/2009 15:23:27
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:55

[SAMPLE]

Position : TUBE26

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00131	120.96482	0.06057	0.00011	0.27008	0.00325	0.01939	13.20010	0.00020
#2	-0.00158	121.00221	0.05881	-0.00065	0.27032	0.00325	0.01438	13.21186	0.00021
Mean	-0.00145	120.98352	0.05969	-0.00027	0.27020	0.00325	0.01689	13.20598	0.00020
%RSD	13.15778	0.02185	2.08895	199.94473	0.06191	0.14292	20.97015	0.06300	4.21306
	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.02454	0.15839	0.08992	278.84748	5.35863	0.04831	7.33893	1.95539	0.01103
#2	0.02500	0.15827	0.08937	279.05017	5.36930	0.04833	7.34846	1.95752	0.01093
Mean	0.02477	0.15833	0.08965	278.94883	5.36397	0.04832	7.34370	1.95645	0.01098
%RSD	1.32425	0.05738	0.43810	0.05138	0.14070	0.02490	0.09179	0.07691	0.61284
	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.32385	0.05845	4.21388	0.08248	0.06800	1.02713	0.01048	-0.00866	0.00192
#2	0.32398	0.05933	4.21448	0.08248	0.06707	1.00250	0.01113	-0.01718	0.00125
Mean	0.32392	0.05889	4.21418	0.08248	0.06753	1.01481	0.01080	-0.01292	0.00158
%RSD	0.02763	1.06097	0.01000	0.00238	0.97291	1.71678	4.26966	46.64016	29.93631

ted: 1/13/2009 16:37:06 User: ROY FRENCH

	Si	Sr	Th	Ti	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	7.20568	0.03468	0.05308	1.02044	0.07738	0.27281	0.23792
#2	7.21878	0.03062	0.05544	1.02679	0.06829	0.27165	0.23809
Mean	7.21223	0.03265	0.05426	1.02361	0.07284	0.27223	0.23800
%RSD	0.12844	8.78329	3.07585	0.43828	8.82677	0.30077	0.04999

	Zr	Pb	Se
	ppm	calc	calc
#1	0.15673	0.07282	-0.00160
#2	0.15678	0.07220	-0.00489
Mean	0.15675	0.07251	-0.00324
%RSD	0.02120	0.60350	71.58311

Method : Paragon File : 090113A
 SampleId1 : 0901050-2D SampleId2 :
 Analysis commenced : 1/13/2009 15:25:21
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:55

[SAMPLE]

Position : TUBE27

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00115	122.22509	0.06114	0.00054	0.28155	0.00358	0.01388	13.85443	0.00002
#2	-0.00192	122.07094	0.06104	-0.00044	0.28128	0.00358	0.01059	13.80301	-0.00013
Mean	-0.00153	122.14801	0.06109	0.00005	0.28141	0.00358	0.01224	13.82872	-0.00006
%RSD	35.60455	0.08924	0.10934	1433.82126	0.06605	0.16269	19.03208	0.26290	177.62995

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.02380	0.17588	0.08740	286.63590	6.14015	0.10169	11.27097	1.59404	0.01112
#2	0.02365	0.17505	0.08727	285.37053	6.12455	0.10164	11.20866	1.59056	0.01020
Mean	0.02373	0.17546	0.08734	286.00321	6.13235	0.10167	11.23982	1.59230	0.01066
%RSD	0.43133	0.33615	0.10172	0.31285	0.17980	0.03542	0.39197	0.15469	6.15526

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.32900	0.06252	4.31562	0.07880	0.06282	1.62118	0.01018	-0.01500	0.00242
#2	0.32900	0.06155	4.28670	0.07305	0.06580	1.62507	0.00931	-0.01507	0.00626
Mean	0.32900	0.06203	4.30116	0.07592	0.06431	1.62312	0.00975	-0.01503	0.00434
%RSD	0.00000	1.10154	0.47535	5.35577	3.28585	0.16955	6.31983	0.32710	62.57987

	Si	Sn	Sr	Th	Ti	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	6.07796	0.02898	0.03057	0.05609	1.05251	-0.00322	0.28117	0.23724
#2	6.07379	0.03083	0.03052	0.05579	1.05030	-0.00564	0.27913	0.23548
Mean	6.07588	0.02990	0.03054	0.05594	1.05141	-0.00443	0.28015	0.23636
%RSD	0.04849	4.38274	0.11646	0.37155	0.14887	38.58343	23.16977	0.52852

	Zr	Pb	SeNCH
	ppm	calc	calc
#1	0.15575	0.06814	-0.00338
#2	0.15499	0.06822	-0.00084
Mean	0.15537	0.06818	-0.00211
%RSD	0.34331	0.08131	84.94361

Method : Paragon
 File : 090113A
 SampleId1 : 0901050-2L 5X
 SampleId2 :
 Analysis commenced : 1/13/2009 15:27:14
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:55
 [SAMPLE]
 Position : TUBE28

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00074	24.06370	0.00999	-0.00202	0.05440	0.00089	0.00162	2.75569	-0.00045
#2	-0.00070	23.94987	0.00993	-0.00121	0.05434	0.00087	0.00518	2.74325	-0.00037
Mean	-0.00072	24.00679	0.00996	-0.00161	0.05437	0.00088	0.00340	2.74947	-0.00041
%RSD	3.30620	0.33528	0.44729	35.48081	0.06825	1.57705	74.08542	0.31992	12.96676

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00439	0.03222	0.01538	51.05169	1.12679	0.01205	1.53101	0.40829	0.00142
#2	0.00451	0.03234	0.01579	50.84728	1.12126	0.01201	1.53401	0.40723	0.00215
Mean	0.00445	0.03228	0.01558	50.94949	1.12403	0.01203	1.53251	0.40776	0.00178
%RSD	1.92394	0.24972	1.88425	0.28370	0.34784	0.21456	0.13861	0.18303	29.21839

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.23650	0.01103	0.88023	0.01527	0.01434	0.19612	0.00081	-0.00069	-0.00157
#2	0.23629	0.01183	0.86510	0.01694	0.01316	0.20260	0.00310	-0.00492	-0.00162
Mean	0.23639	0.01143	0.87267	0.01611	0.01375	0.19936	0.00196	-0.00280	-0.00160
%RSD	0.06300	4.95362	1.22561	7.32268	6.04718	2.29847	82.72233	106.84230	2.33919

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.50743	0.00231	0.00452	0.01625	0.20907	0.00119	0.00282	0.05433	0.04975
#2	1.49637	0.00566	0.00449	0.01582	0.20814	-0.00516	0.01147	0.05406	0.04941
Mean	1.50190	0.00399	0.00451	0.01604	0.20861	-0.00199	0.00715	0.05420	0.04958
%RSD	0.52061	59.53251	0.56340	1.87067	0.31307	226.20777	85.53858	0.35447	0.48027

	Zr	Pb	Se
	ppm	calc	calc
#1	0.03146	0.01465	-0.00128
#2	0.03141	0.01442	-0.00272
Mean	0.03143	0.01454	-0.00200
%RSD	0.12225	1.11332	51.12513

Method : Paragon
 File : 090113A
 Printed : 1/13/2009 16:36:56

SampleId1 : 0901050-2MS SampleId2 :
 Analysis commenced : 1/13/2009 15:29:07
 Dilution ratio : 1.00000 to 1.00000 Tray :

[SAMPLE]
 Position : TUBE29

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09459	164.87814	1.86248	0.70519	2.14171	0.05057	0.00871	51.12392	0.04647
#2	0.09551	165.10857	1.87220	0.70273	2.14662	0.05055	0.01182	51.16771	0.04603
Mean	0.09505	164.99335	1.86734	0.70396	2.14416	0.05056	0.01026	51.14582	0.04625
%RSD	0.68154	0.09875	0.36802	0.24735	0.16199	0.02631	21.37790	0.06053	0.65945

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48917	0.33754	0.36509	261.47489	44.46751	0.57614	44.98725	1.83026	0.91420
#2	0.49086	0.33780	0.36630	261.67520	44.52906	0.57746	45.07574	1.83259	0.91788
Mean	0.49001	0.33767	0.36569	261.57505	44.49829	0.57680	45.03150	1.83143	0.91604
%RSD	0.24427	0.05441	0.23326	0.05415	0.09781	0.16142	0.13896	0.09032	0.28422

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	38.93158	0.56950	3.97547	0.54602	0.50876	0.80929	0.20253	1.67967	1.64180
#2	39.01916	0.56944	3.98133	0.54614	0.51337	0.81188	0.19617	1.68362	1.65782
Mean	38.97537	0.56947	3.97840	0.54608	0.51107	0.81059	0.19935	1.68164	1.64981
%RSD	0.15889	0.00684	0.10408	0.01521	0.63765	0.22621	2.25756	0.16609	0.68664

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	10.82071	0.50935	0.50563	0.04425	1.17090	1.88709	0.08295	0.73293	0.76649
#2	10.83994	0.50935	0.50626	0.04239	1.17313	1.87729	0.06759	0.73275	0.76968
Mean	10.83033	0.50935	0.50595	0.04332	1.17201	1.88219	0.07527	0.73284	0.76808
%RSD	0.12553	0.00036	0.08939	3.04276	0.13413	0.36817	14.42914	0.01666	0.29374

	Zr	Pb	Se
	ppm	calc	calc
#1	0.14877	0.52117	1.65441
#2	0.14874	0.52428	1.66641
Mean	0.14875	0.52273	1.66041
%RSD	0.01055	0.42112	0.51108

Method : Paragon File : 090113A
 SampleId1 : 0901050-2MSD SampleId2 :
 Analysis commenced : 1/13/2009 15:31:01
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:56
 [SAMPLE]
 Position : TUBE30

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	0.09835	162.74839	1.93037	0.71954	2.18480	0.05229	0.01438	68.56752	0.04807
#2	0.09764	162.74421	1.92901	0.71814	2.18608	0.05229	0.01392	68.60810	0.04812
Mean	0.09800	162.74630	1.92969	0.71884	2.18544	0.05229	0.01415	68.58781	0.04809
%RSD	0.51102	0.00182	0.05004	0.13781	0.04147	0.00534	2.29011	0.04184	0.08251

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.50870	0.35784	0.36904	272.48361	45.11938	0.58584	55.08464	2.19073	0.95209
#2	0.50823	0.35719	0.36791	272.64398	45.14189	0.58560	55.14359	2.19256	0.95247
Mean	0.50846	0.35752	0.36848	272.56380	45.13064	0.58572	55.11412	2.19164	0.95228
%RSD	0.06563	0.12873	0.21564	0.04161	0.03528	0.02954	0.07563	0.05912	0.02822

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	39.48638	0.58829	4.05777	0.57892	0.53314	1.10624	0.21532	1.72249	1.69670
#2	39.46671	0.58609	4.09222	0.57674	0.53624	1.08549	0.21192	1.72714	1.69871
Mean	39.47654	0.58719	4.07499	0.57783	0.53469	1.09586	0.21362	1.72481	1.69770
%RSD	0.03522	0.26543	0.59784	0.26740	0.41050	1.33886	1.12699	0.19089	0.08385

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	8.83601	0.52596	0.51895	0.04399	1.17721	1.92803	0.06560	0.75002	0.81468
#2	8.83522	0.52792	0.51891	0.04358	1.17687	1.92761	0.06504	0.75049	0.81501
Mean	8.83562	0.52694	0.51893	0.04378	1.17704	1.92782	0.06532	0.75026	0.81485
%RSD	0.00635	0.26328	0.00495	0.65400	0.02052	0.01533	0.60286	0.04461	0.02914

	Zr	Pb	Se
	ppm	calc	calc
#1	0.14659	0.54838	1.70528
#2	0.14662	0.54973	1.70818
Mean	0.14660	0.54906	1.70673
%RSD	0.01642	0.17292	0.11987

Method : Paragon
 File : 090113A
 SampleId1 : CCV
 SampleId2 :
 Analysis commenced : 1/13/2009 15:32:55
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:56
 [CV]

Position : STD6

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.20193	50.78159	0.51387	1.01445	0.96053	0.50047	0.51958	52.40510	0.52057
#2	0.20028	50.44394	0.51258	1.00614	0.95289	0.49877	0.51408	52.33721	0.51652
Mean	0.20111	50.61276	0.51323	1.01030	0.95671	0.49962	0.51683	52.37115	0.51854
%RSD	0.58159	0.47173	0.17725	0.58183	0.56470	0.24059	0.75349	0.09167	0.55226

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.49791	1.00733	1.00723	20.05767	50.37428	0.50276	51.63040	0.98743	1.02501

#2	0.49708	1.00452	0.99722	19.98480	50.00369	0.49906	51.47696	0.98425	1.02211
Mean	0.49749	1.00592	1.00222	20.02124	50.18899	0.50091	51.55368	0.98584	1.02356
%RSD	0.11885	0.19708	0.70631	0.25735	0.52211	0.52244	0.21045	0.22780	0.20017
#1	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	50.52036	1.05800	4.93263	1.01069	0.96765	5.04205	0.50972	0.99289	0.97313
#2	50.20774	1.05690	4.84900	1.01168	0.96495	5.02255	0.50680	0.98180	0.96950
Mean	50.36405	1.05745	4.89082	1.01119	0.96630	5.03230	0.50826	0.98734	0.97132
%RSD	0.43892	0.07355	1.20910	0.06967	0.19753	0.27404	0.40542	0.79449	0.26422
#1	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.85322	1.02038	0.50010	0.16582	0.47228	0.51200	4.66545	0.48525	0.99243
#2	4.82766	1.02188	0.49678	0.16365	0.46996	0.50746	4.64082	0.48267	0.99143
Mean	4.84044	1.02113	0.49844	0.16474	0.47112	0.50973	4.65313	0.48396	0.99193
%RSD	0.37341	0.10381	0.47111	0.92979	0.34940	0.63045	0.37421	0.37643	0.07177
#1	Zr	Pb	Se						
	ppm	calc	calc						
#1	1.01839	0.98198	0.97971						
#2	1.01370	0.98051	0.97360						
Mean	1.01604	0.98125	0.97665						
%RSD	0.32619	0.10584	0.44273						

Method : Paragon

File : 090113A

Printed : 1/13/2009 16:36:56

SampleId1 : CCB

SampleId2 :

Analysis commenced : 1/13/2009 15:36:23

[CB]

Dilution ratio : 1.00000 to 1.00000 Tray :

Position : STD2

Final concentrations

#1	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00037	-0.01663	0.00076	-0.00440	-0.00053	0.00017	0.00358	-0.25105	-0.00042
#2	0.00093	-0.01353	-0.00003	-0.00448	-0.00048	0.00016	0.00412	-0.25077	-0.00030
Mean	0.00065	-0.01508	0.00037	-0.00444	-0.00051	0.00017	0.00385	-0.25091	-0.00036
%RSD	60.74905	14.52429	151.55153	1.35507	7.29325	3.73156	9.98534	0.07933	22.89192
#1	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00022	-0.00045	-0.00214	-0.00641	0.25774	0.00444	-0.01920	-0.00091	0.00016
#2	-0.00010	-0.00057	-0.00213	-0.00647	0.25306	0.00444	-0.02120	-0.00083	-0.00061
Mean	-0.00016	-0.00051	-0.00214	-0.00644	0.25540	0.00444	-0.02020	-0.00087	-0.00023
%RSD	51.82672	17.50395	0.35652	0.59323	1.29435	0.07754	7.00568	6.84075	238.74086
#1	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.20100	-0.00091	-0.00879	0.00245	-0.00297	-0.03197	0.00132	-0.00450	-0.00260
#2	0.20108	-0.00079	-0.00684	0.00104	-0.00170	-0.02938	0.00191	0.00245	-0.00170

Mean	0.20104	-0.00085	-0.00782	0.00174	-0.00233	-0.03067	0.00162	-0.00102	-0.00215
%RSD	0.02962	10.33196	17.71965	57.01880	38.53817	5.97496	25.89216	479.99768	29.76859

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.01530	-0.00242	-0.00098	0.00131	-0.00084	0.00110	0.01162	0.00001	-0.00127
#2	-0.01470	0.00012	-0.00099	0.00176	-0.00094	0.00089	-0.00225	0.00010	-0.00186
Mean	-0.01500	-0.00115	-0.00098	0.00154	-0.00089	0.00100	0.00469	0.00006	-0.00157
%RSD	2.80635	156.54577	1.03282	21.00869	7.59923	14.33994	209.41036	124.17358	26.57908

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00151	-0.00116	-0.00323
#2	-0.00135	-0.00078	-0.00031
Mean	-0.00143	-0.00097	-0.00177
%RSD	7.45704	27.52904	116.37655

Method : Paragon
File : 090113A
SampleId1 : 0901050-3
SampleId2 :
Analysis commenced : 1/13/2009 15:38:22
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:57

[SAMPLE]

Position : TUBE31

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00163	117.01734	0.05745	0.01875	0.30024	0.00283	0.01116	95.70490	-0.00005
#2	-0.00187	117.02682	0.05585	0.01752	0.29974	0.00283	0.01069	95.50019	-0.00018
Mean	-0.00175	117.02208	0.05665	0.01813	0.29999	0.00283	0.01092	95.60254	-0.00012
%RSD	9.46619	0.00573	2.00452	4.81198	0.11775	0.07700	2.99132	0.15141	77.64640

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.05111	0.11140	0.08206	250.58997	4.54565	0.04797	9.15161	3.85844	0.00979
#2	0.05141	0.11106	0.08178	250.02868	4.54693	0.04803	9.13504	3.85173	0.01020
Mean	0.05126	0.11123	0.08192	250.30933	4.54629	0.04800	9.14333	3.85508	0.00999
%RSD	0.41903	0.21681	0.24302	0.15856	0.01991	0.08593	0.12814	0.12298	2.86192

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.42123	0.05546	3.62075	0.13880	0.11963	0.79892	0.01066	-0.00239	-0.00066
#2	0.42178	0.05506	3.58358	0.13242	0.12053	0.79892	0.01159	-0.01211	0.00468
Mean	0.42150	0.05526	3.60216	0.13561	0.12008	0.79892	0.01113	-0.00725	0.00201
%RSD	0.09217	0.51229	0.72973	3.32946	0.52853	0.00000	5.90988	94.73943	187.83047

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	5.89000	0.02908	0.10477	0.05400	1.15940	-0.00477	0.06349	0.26374	0.18037
#2	5.89398	0.02966	0.10451	0.05320	1.15631	-0.01228	0.06388	0.26338	0.17860
Mean	5.89199	0.02937	0.10464	0.05360	1.15785	-0.00852	0.06369	0.26356	0.17949

%RSD	0.04777	1.40096	0.17514	1.05110	0.18845	62.29098	0.42434	0.09653	0.69615
	Zr	Pb	Se						
	ppm	calc	calc						
#1	0.14970	0.12601	-0.00124						
#2	0.14904	0.12449	-0.00092						
Mean	0.14937	0.12525	-0.00108						
%RSD	0.31019	0.86244	21.11726						

Method : Paragon File : 090113A
SampleId1 : 0901050-4 **SampleId2 :**
Analysis commenced : 1/13/2009 15:40:15
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:57
[SAMPLE]
Position : TUBE32

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00025	97.79103	0.05386	0.00688	0.41790	0.00534	0.01225	49.64514	0.00021
#2	-0.00048	97.83212	0.05201	0.00615	0.41917	0.00534	0.01445	49.79570	0.00026
Mean	-0.00036	97.81158	0.05293	0.00652	0.41853	0.00534	0.01335	49.72042	0.00024
%RSD	45.59427	0.02970	2.48181	7.84977	0.21343	0.05998	11.63286	0.21412	14.78901

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.08459	0.20128	0.08016	274.23024	10.21518	0.05117	17.56605	4.47988	0.00546
#2	0.08480	0.20109	0.08114	275.13887	10.22119	0.05118	17.62497	4.49307	0.00565
Mean	0.08469	0.20119	0.08065	274.68456	10.21819	0.05118	17.59551	4.48647	0.00556
%RSD	0.16958	0.06706	0.86532	0.23390	0.04153	0.01679	0.23680	0.20795	2.42239

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.37332	0.10494	2.23428	0.15752	0.14010	1.00768	0.00918	-0.00775	0.00659
#2	0.37383	0.10542	2.21060	0.15465	0.14145	1.02065	0.00897	-0.00962	0.00582
Mean	0.37358	0.10518	2.22244	0.15608	0.14078	1.01417	0.00907	-0.00868	0.00621
%RSD	0.09592	0.32479	0.75345	1.30248	0.67870	0.90415	1.67045	15.19313	8.81338

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	5.97966	0.02648	0.07177	0.04148	1.20895	-0.00505	0.07157	0.23986	0.26635
#2	5.97706	0.02925	0.07191	0.04283	1.21235	-0.00560	0.06827	0.24005	0.26871
Mean	5.97836	0.02787	0.07184	0.04215	1.21065	-0.00533	0.06992	0.23995	0.26753
%RSD	0.03076	7.03469	0.14161	2.25572	0.19849	7.27510	3.34228	0.05759	0.62253

	Zr	Pb	Se						
	ppm	calc	calc						
#1	0.09614	0.14590	0.00182						
#2	0.09635	0.14585	0.00068						
Mean	0.09625	0.14588	0.00125						
%RSD	0.15048	0.02720	64.39520						

ted: 1/13/2009 16:37:06 **User: ROY FRENCH**
 Method : Paragon File : 090113A
SampleId1 : 0901050-5 **SampleId2 :**
Analysis commenced : 1/13/2009 15:42:09
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:57
[SAMPLE]
 Position : TUBE33

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00002	106.24167	0.05613	-0.00027	0.66136	0.00370	0.01056	-0.00004
#2	0.00026	106.51218	0.05626	-0.00095	0.66323	0.00369	0.00728	-0.00001
Mean	0.00012	106.37692	0.05619	-0.00061	0.66229	0.00370	0.00892	-0.00003
%RSD	164.07224	0.17982	0.15850	78.75497	0.19991	0.11651	26.01554	100.33316

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.11100	0.09388	0.04657	178.23220	3.24033	0.03985	6.47931	14.41509	0.00817
#2	0.11112	0.09384	0.04664	178.79595	3.23521	0.03995	6.48182	14.43761	0.00827
Mean	0.11106	0.09386	0.04660	178.51408	3.23777	0.03990	6.48056	14.42635	0.00822
%RSD	0.07632	0.03460	0.10345	0.22330	0.11167	0.17664	0.02737	0.11042	0.81859

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.31499	0.06912	2.48651	0.19075	0.17216	1.08938	0.00997	-0.00037	0.00907
#2	0.31453	0.07057	2.54715	0.19205	0.17358	1.09197	0.00752	-0.00612	0.00947
Mean	0.31476	0.06984	2.51683	0.19140	0.17287	1.09068	0.00874	-0.00325	0.00927
%RSD	0.10424	1.46757	1.70381	0.47876	0.58094	0.16815	19.76945	125.42062	3.00412

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	5.85777	0.03331	0.02999	0.05090	1.40532	-0.00909	0.04023	0.25991	0.19837
#2	5.87664	0.03041	0.03004	0.04949	1.40621	-0.01304	0.04298	0.25995	0.19804
Mean	5.86721	0.03186	0.03002	0.05020	1.40576	-0.01107	0.04161	0.25993	0.19821
%RSD	0.22739	6.42025	0.11850	1.98754	0.04472	25.24978	4.67332	0.00871	0.12007

	Zr	Pb	Se
	ppm	calc	calc
#1	0.13428	0.17835	0.00593
#2	0.13429	0.17973	0.00427
Mean	0.13428	0.17904	0.00510
%RSD	0.00202	0.54456	22.93055

Method : Paragon File : 090113A
SampleId1 : 0901040-1 100X **SampleId2 :**
Analysis commenced : 1/13/2009 15:44:02
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:58
[SAMPLE]
 Position : TUBE34

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
#1	-0.00112	0.09606	0.00060	0.12839	0.24078	0.00025	0.00421	0.60137	-0.00032
#2	-0.00017	0.09402	-0.00204	0.12843	0.24010	0.00025	0.00029	0.59757	-0.00033
Mean	-0.00064	0.09504	-0.00072	0.12841	0.24044	0.00025	0.00225	0.59947	-0.00032
%RSD	104.35861	1.51721	260.10591	0.02342	0.20094	1.00942	123.27283	0.44878	2.17140

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
#1	-0.00120	-0.00062	-0.00185	0.08466	1.93415	0.05256	0.03810	0.00115	-0.00051
#2	-0.00090	-0.00076	-0.00156	0.08271	1.94032	0.05256	0.03584	0.00107	-0.00077
Mean	-0.00105	-0.00069	-0.00171	0.08368	1.93724	0.05256	0.03697	0.00111	-0.00064
%RSD	20.06641	14.95267	11.80844	1.64469	0.22527	0.00654	4.30717	5.37181	28.83176

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
#1	37.12813	-0.00104	-0.00380	0.00075	0.00004	0.06782	0.00246	-0.00082	-0.00009
#2	37.16415	-0.00140	-0.00791	0.00015	0.00047	0.06134	0.00115	-0.00665	0.00006
Mean	37.14614	-0.00122	-0.00586	0.00045	0.00025	0.06458	0.00181	-0.00374	-0.00001
%RSD	0.06857	20.86932	49.65475	95.18787	120.67223	7.09517	51.12228	110.53351	800.68962

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
#1	0.43558	-0.00265	0.12595	0.00215	-0.00047	-0.00155	-0.00366	-0.00056	0.00546
#2	0.43270	-0.00208	0.12564	0.00167	-0.00067	0.00003	-0.00858	-0.00046	0.00546
Mean	0.43414	-0.00236	0.12580	0.00191	-0.00057	-0.00076	-0.00612	-0.00051	0.00546
%RSD	0.46924	17.30372	0.17409	18.01100	25.85659	147.49242	56.88634	13.41608	0.00000

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00075	0.00028	-0.00033
#2	-0.00067	0.00036	-0.00217
Mean	-0.00071	0.00032	-0.00125
%RSD	7.91959	18.66726	104.08219

Method : Paragon
 File : 090113A
 SampleId1 : 0901040-2 100X
 SampleId2 :
 Analysis commenced : 1/13/2009 15:45:56
 Dilution ratio : 1.00000 to 1.00000 Tray :
 Position : TUBE35

Printed : 1/13/2009 16:36:58
 [SAMPLE]
 Position : TUBE35

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
#1	0.00010	0.08948	0.00155	0.11384	0.18132	0.00018	0.00075	1.59710	-0.00074
#2	-0.00001	0.08586	-0.00138	0.11320	0.18164	0.00018	0.00293	1.59809	-0.00033
Mean	0.00004	0.08767	0.00008	0.11352	0.18148	0.00018	0.00184	1.59759	-0.00053
%RSD	181.12138	2.92193	2468.31415	0.39745	0.12281	2.33333	84.05971	0.04372	53.39258

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
#1	-0.00120	-0.00062	-0.00185	0.08466	1.93415	0.05256	0.03810	0.00115	-0.00051
#2	-0.00090	-0.00076	-0.00156	0.08271	1.94032	0.05256	0.03584	0.00107	-0.00077
Mean	-0.00105	-0.00069	-0.00171	0.08368	1.93724	0.05256	0.03697	0.00111	-0.00064
%RSD	20.06641	14.95267	11.80844	1.64469	0.22527	0.00654	4.30717	5.37181	28.83176

#1	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#2	-0.00062	-0.00048	-0.00199	0.58460	2.76338	0.04351	0.12867	0.00836	-0.00077
Mean	-0.00071	-0.00067	-0.00185	0.58401	2.77808	0.04353	0.13193	0.00848	-0.00125
%RSD	-0.00067	-0.00058	-0.00192	0.58431	2.77073	0.04352	0.13030	0.00842	-0.00101
	9.39118	23.21769	5.31937	0.07228	0.37503	0.03160	1.76525	1.06160	33.29302

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	47.65176	-0.00058	-0.01359	0.00035	0.00088	0.03801	0.00180	-0.00315	-0.00157
#2	47.62908	-0.00053	-0.01095	0.00019	-0.00027	0.02635	-0.00005	-0.00548	-0.00178
Mean	47.64042	-0.00055	-0.01227	0.00027	0.00030	0.03218	0.00088	-0.00432	-0.00168
%RSD	0.03367	7.05432	15.23547	42.94485	266.62302	25.62912	149.06468	38.12264	8.90091

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.49419	-0.00184	0.20107	-0.00030	-0.00061	0.00004	-0.00086	-0.00029	0.00117
#2	0.49658	-0.00115	0.20151	0.00137	-0.00067	-0.00115	-0.00579	-0.00019	0.00075
Mean	0.49539	-0.00150	0.20129	0.00054	-0.00064	-0.00055	-0.00333	-0.00024	0.00096
%RSD	0.34083	32.79034	0.15463	220.30256	7.46387	152.85235	104.66414	28.86154	31.07548

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00053	0.00070	-0.00210
#2	-0.00076	-0.00012	-0.00301
Mean	-0.00064	0.00029	-0.00256
%RSD	24.81440	198.07995	25.34239

Method : Paragon
SampleId1 : 0901040-2D 100X
SampleId2 :
Analysis commenced : 1/13/2009 15:47:50
Dilution ratio : 1.00000 to 1.00000
Tray :

Printed : 1/13/2009 16:36:58
[SAMPLE]
Position : TUBE36

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00034	0.08848	-0.00050	0.12120	0.18298	0.00023	0.00485	1.71636	-0.00029
#2	0.00057	0.09483	-0.00069	0.12124	0.18235	0.00021	0.00349	1.72045	-0.00039
Mean	0.00045	0.09165	-0.00059	0.12122	0.18266	0.00022	0.00417	1.71840	-0.00034
%RSD	35.41857	4.90053	22.52471	0.02481	0.24403	4.25087	23.14863	0.16843	20.95840

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00035	-0.00047	-0.00199	0.62311	2.94037	0.04573	0.14669	0.00903	-0.00103
#2	-0.00015	-0.00022	-0.00151	0.62316	2.92653	0.04554	0.14068	0.00907	-0.00008
Mean	-0.00025	-0.00035	-0.00175	0.62313	2.93345	0.04564	0.14369	0.00905	-0.00056
%RSD	58.84502	50.28640	19.51286	0.00616	0.33374	0.29374	2.95532	0.32916	120.47237

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	50.23908	-0.00071	-0.01477	0.00218	-0.00185	0.04190	0.00229	-0.00321	-0.00139
#2	50.03629	-0.00048	-0.01663	0.00306	-0.00339	0.03153	0.00534	0.00491	-0.00362
Mean	50.13769	-0.00060	-0.01570	0.00262	-0.00262	0.03672	0.00382	0.00085	-0.00250
%RSD	0.28600	26.25299	8.38046	23.75335	41.60776	19.96709	56.52995	673.35155	63.07255

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.53838	-0.00115	0.21419	0.00166	-0.00062	0.00279	-0.00268	0.00011	-0.00018
#2	0.53966	-0.00173	0.21348	0.00196	-0.00071	0.00390	0.00941	0.00038	-0.00026
Mean	0.53902	-0.00144	0.21384	0.00181	-0.00067	0.00334	0.00336	0.00024	-0.00022
%RSD	0.16859	28.41581	0.23391	11.65327	9.53257	23.34491	254.21825	78.23744	26.96031

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00069	-0.00051	-0.00199
#2	-0.00044	-0.00124	-0.00078
Mean	-0.00057	-0.00087	-0.00138
%RSD	30.82101	59.40620	62.12952

Method : Paragon
SampleId1 : 0901040-2L 500X
SampleId2 :
Analysis commenced : 1/13/2009 15:49:44
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:58
[SAMPLE]

Position : TUBE37

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00045	0.08492	-0.00125	0.02330	0.03708	0.00019	0.00449	0.31904	-0.00013
#2	0.00002	0.08266	-0.00280	0.02284	0.03753	0.00018	0.00330	0.32017	-0.00050
Mean	0.00023	0.08379	-0.00203	0.02307	0.03730	0.00019	0.00390	0.31960	-0.00031
%RSD	130.11472	1.91243	53.85587	1.43468	0.84541	7.19380	21.53898	0.24931	83.91631

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00053	-0.00038	-0.00172	0.11651	0.66901	0.01101	0.01433	0.00115	-0.00063
#2	-0.00053	-0.00071	-0.00157	0.11727	0.65753	0.01105	0.01157	0.00115	-0.00046
Mean	-0.00053	-0.00055	-0.00165	0.11689	0.66327	0.01103	0.01295	0.00115	-0.00055
%RSD	0.13303	42.07784	6.10239	0.45805	1.22380	0.21845	15.02929	0.00000	21.54143

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	8.21017	-0.00055	-0.01036	0.00115	-0.00270	-0.00216	0.00142	-0.00224	-0.00316
#2	8.27961	-0.00050	-0.01369	0.00025	-0.00249	-0.00475	0.00192	-0.00076	-0.00090
Mean	8.24489	-0.00053	-0.01203	0.00070	-0.00259	-0.00346	0.00167	-0.00150	-0.00203
%RSD	0.59556	7.42468	19.57597	91.16863	5.82764	52.99113	20.88124	69.82957	78.77571

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09059	-0.00150	0.04069	0.00184	-0.00082	0.00047	0.00617	-0.00003	-0.00068

#2	0.09349	0.00012	0.04108	0.00042	-0.00100	-0.00180	0.00438	-0.00022	-0.00060
Mean	0.09204	-0.00069	0.04088	0.00113	-0.00091	-0.00066	0.00527	-0.00012	-0.00064
%RSD	2.22089	166.74882	0.67139	88.59413	13.59951	240.34812	24.01734	110.09809	9.27625

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00044	-0.00142	-0.00285
#2	-0.00048	-0.00158	-0.00085
Mean	-0.00046	-0.00150	-0.00185
%RSD	6.68845	7.49674	76.36398

Method : Paragon
File : 090113A
SampleId1 : 0901040-2Ms 100X
SampleId2 :
Analysis commenced : 1/13/2009 15:51:38
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:59
[SAMPLE]

Position : TUBE38

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00005	0.10753	0.01922	0.13188	0.20268	0.00075	0.00212	2.14345	0.00026
#2	0.00006	0.11000	0.01966	0.13137	0.20305	0.00074	0.00076	2.14826	0.00028
Mean	0.00001	0.10876	0.01944	0.13162	0.20286	0.00075	0.00144	2.14585	0.00027
%RSD	1207.83454	1.60549	1.60391	0.27422	0.12820	1.74032	66.97378	0.15823	4.06418

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00452	0.00115	0.00033	0.63924	3.47877	0.05126	0.52029	0.01396	0.01003
#2	0.00491	0.00110	0.00061	0.64141	3.47195	0.05128	0.52980	0.01396	0.00912
Mean	0.00472	0.00113	0.00047	0.64033	3.47536	0.05127	0.52505	0.01396	0.00958
%RSD	5.81052	3.09055	41.11868	0.23995	0.13875	0.02346	1.28071	0.00000	6.67537

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	51.57309	0.00433	-0.00919	0.00384	0.00485	0.04060	0.00493	0.01527	0.01772
#2	51.51498	0.00429	-0.01203	0.00554	0.00499	0.03801	0.00938	0.01583	0.01577
Mean	51.54403	0.00431	-0.01061	0.00469	0.00492	0.03931	0.00715	0.01555	0.01674
%RSD	0.07973	0.67902	18.93254	25.63174	2.01876	4.66263	43.99692	2.51193	8.27158

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.55871	0.00359	0.22193	0.00090	0.00391	0.02135	-0.00941	0.00439	0.00437
#2	0.55805	0.00127	0.22225	0.00012	0.00412	0.01642	-0.00046	0.00456	0.00403
Mean	0.55838	0.00243	0.22209	0.00051	0.00402	0.01888	-0.00493	0.00448	0.00420
%RSD	0.08448	67.30849	0.10344	106.91567	3.57364	18.46986	128.35516	2.75768	5.67074

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00077	0.00451	0.01691
#2	-0.00070	0.00517	0.01579

Mean -0.00073 0.00484 0.01635NCH
%RSD 6.29865 9.63010 4.85553

Method : Paragon
SampleId1 : 0901040-2MSD 100X File : 090113A
SampleId2 :
Analysis commenced : 1/13/2009 15:53:32
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:59
[SAMPLE]
Position : TUBE39

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00006	0.10808	0.01828	0.13285	0.20289	0.00077	0.00249	2.16506	0.00004
#2	-0.00014	0.10854	0.02039	0.13417	0.20294	0.00077	0.00249	2.17551	0.00008
Mean	-0.00004	0.10831	0.01933	0.13351	0.20292	0.00077	0.00249	2.17029	0.00006
%RSD	339.58804	0.29727	7.71964	0.69836	0.01831	0.13581	0.00289	0.34053	50.33768
	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00431	0.00129	0.00004	0.64478	3.48772	0.05125	0.53381	0.01404	0.00903
#2	0.00488	0.00143	0.00089	0.64652	3.49603	0.05127	0.53506	0.01417	0.00901
Mean	0.00460	0.00136	0.00046	0.64565	3.49187	0.05126	0.53443	0.01411	0.00902
%RSD	8.70607	7.12388	129.79375	0.19039	0.16830	0.03352	0.16556	0.63358	0.18656

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	51.40043	0.00471	-0.01134	0.00691	0.00380	0.03542	0.00546	0.01920	0.01836
#2	51.44635	0.00493	-0.01252	0.00586	0.00391	0.03542	0.00655	0.01494	0.01688
Mean	51.42339	0.00482	-0.01193	0.00638	0.00386	0.03542	0.00600	0.01707	0.01762
%RSD	0.06314	3.24260	6.96589	11.64024	2.07007	0.00000	12.78933	17.63620	5.92519

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.56258	0.00197	0.22206	0.00669	0.00457	0.02323	0.01029	0.00445	0.00572
#2	0.56800	0.00428	0.22235	0.00988	0.00482	0.02116	0.00402	0.00468	0.00588
Mean	0.56529	0.00312	0.22221	0.00829	0.00470	0.02220	0.00715	0.00456	0.00580
%RSD	0.67841	52.35935	0.09419	27.20834	3.82070	6.58993	61.97753	3.60245	2.05322

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00102	0.00483	0.01864
#2	-0.00108	0.00456	0.01624
Mean	-0.00105	0.00470	0.01744
%RSD	3.85415	4.13241	9.74314

Method : Paragon
SampleId1 : 0901040-3 100X File : 090113A
SampleId2 :
Analysis commenced : 1/13/2009 15:55:26
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:36:59
[SAMPLE]
Position : TUBE40

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00002	0.08802	-0.00122	0.08406	0.51822	0.00023	-0.00007	1.39871	-0.00015
#2	-0.00029	0.08902	-0.00116	0.08402	0.51780	0.00021	-0.00254	1.40041	-0.00047
Mean	-0.00013	0.08852	-0.00119	0.08404	0.51801	0.00022	-0.00131	1.39956	-0.00031
%RSD	162.05370	0.80569	3.73781	0.03580	0.05753	5.60232	133.48467	0.08553	74.62790

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00036	-0.00072	-0.00186	0.04563	3.33323	0.04047	0.13818	0.00048	-0.00077
#2	-0.00057	-0.00063	-0.00192	0.04573	3.33195	0.04047	0.13793	0.00044	-0.00044
Mean	-0.00047	-0.00068	-0.00189	0.04568	3.33259	0.04047	0.13806	0.00046	-0.00061
%RSD	31.76361	9.82178	2.36163	0.16733	0.02713	0.00425	0.12816	6.53116	38.85538

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	47.50449	-0.00084	-0.00263	0.00144	0.00066	0.02894	0.00306	-0.00328	-0.00250
#2	47.49375	-0.00093	-0.01066	0.00063	-0.00052	0.02635	0.00420	0.00072	-0.00148
Mean	47.49912	-0.00089	-0.00664	0.00103	0.00007	0.02764	0.00363	-0.00128	-0.00199
%RSD	0.01600	6.61931	85.50778	55.16285	1154.90322	6.62984	22.29399	220.45739	36.38670

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.41038	0.00059	0.19259	-0.00048	-0.00071	0.00000	0.00353	0.00027	-0.00018
#2	0.41111	-0.00127	0.19268	0.00019	-0.00067	0.00132	-0.00587	-0.00018	-0.00052
Mean	0.41075	-0.00034	0.19264	-0.00014	-0.00069	0.00066	-0.00117	0.00005	-0.00035
%RSD	0.12694	384.87119	0.03443	332.32561	4.01815	141.11754	568.57657	686.46691	68.60504

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00056	0.00092	-0.00276
#2	-0.00052	-0.00014	-0.00075
Mean	-0.00054	0.00039	-0.00176
%RSD	5.59790	190.79032	81.13830

Method : Paragon File : 090113A
SampleId1 : CCV SampleId2 :
Analysis commenced : 1/13/2009 15:57:23
Dilution ratio : 1.00000 to 1.00000 Tray :
Position : STD6

Printed : 1/13/2009 16:37:00
[CV]

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.20195	50.48214	0.50295	1.00114	0.95801	0.49425	0.51537	51.69135	0.51485
#2	0.20042	50.19717	0.50599	1.00237	0.95497	0.49348	0.51206	51.67594	0.51428
Mean	0.20118	50.33966	0.50447	1.00175	0.95649	0.49387	0.51372	51.68364	0.51457
%RSD	0.53859	0.40028	0.42666	0.08682	0.22476	0.11007	0.45576	0.02108	0.07757

ted: 1/13/2009 16:37:06 User: ROY FRENCH

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
#1	0.49145	0.99412	1.00539	19.67676	50.42948	0.50091	50.95962	0.97269	1.00843
#2	0.49077	0.99343	0.99968	19.64094	50.12691	0.49838	50.87579	0.97092	1.00945
Mean	0.49111	0.99378	1.00253	19.65885	50.27820	0.49965	50.91770	0.97181	1.00894
%RSD	0.09842	0.04877	0.40336	0.12884	0.42552	0.35875	0.11642	0.12940	0.07158

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
#1	50.38731	1.04021	4.85418	0.99924	0.95346	4.99265	0.50515	0.96850	0.94944
#2	50.14123	1.04065	4.85229	0.99648	0.95454	4.99525	0.50489	0.96354	0.94968
Mean	50.26427	1.04043	4.85323	0.99786	0.95400	4.99395	0.50502	0.96602	0.94956
%RSD	0.34618	0.02990	0.02756	0.19549	0.07998	0.03682	0.03579	0.36299	0.01759

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
#1	4.80319	1.00991	0.49775	0.15781	0.46907	0.50571	4.67827	0.47971	0.96391
#2	4.78229	1.00576	0.49532	0.15959	0.46771	0.50234	4.63612	0.47879	0.96869
Mean	4.79274	1.00784	0.49653	0.15870	0.46839	0.50402	4.65719	0.47925	0.96630
%RSD	0.30826	0.29063	0.34562	0.79116	0.20543	0.47198	0.63993	0.13462	0.34998

	Zr	Pb	Se
#1	1.01190	calc	calc
#2	1.00937	0.96870	0.95579
Mean	1.01064	0.96850	0.95430
%RSD	0.17733	0.01452	0.11060

Method : Paragon File : 090113A
SampleId1 : CCB SampleId2 :
Analysis commenced : 1/13/2009 15:59:27
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:37:00

[CB]

Position : STD2

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
#1	0.00101	-0.00361	0.00048	-0.00474	-0.00046	0.00025	0.00175	-0.24317	-0.00011
#2	-0.00004	-0.00533	0.00186	-0.00576	-0.00051	0.00027	-0.00090	-0.24416	-0.00019
Mean	0.00048	-0.00447	0.00117	-0.00525	-0.00048	0.00026	0.00042	-0.24366	-0.00015
%RSD	153.96374	27.20217	83.71602	13.75642	7.68982	4.92002	440.92708	0.28590	35.56271

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
#1	-0.00028	-0.00044	-0.00199	-0.00133	0.28877	0.00452	-0.01645	-0.00074	-0.00056
#2	-0.00094	-0.00101	-0.00198	-0.00198	0.28919	0.00451	-0.01895	-0.00083	-0.00046
Mean	-0.00061	-0.00073	-0.00199	-0.00166	0.28898	0.00452	-0.01770	-0.00079	-0.00051
%RSD	76.08509	55.52249	0.44515	27.64566	0.10400	0.11433	9.99491	7.57343	13.16907

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.20824	-0.00076	-0.00449	0.00124	-0.00194	-0.03197	0.00365	0.00236	-0.00064
#2	0.20765	-0.00106	-0.00860	0.00129	-0.00043	-0.02678	0.00061	-0.00453	-0.00010
Mean	0.20794	-0.00091	-0.00654	0.00126	-0.00118	-0.02938	0.00213	-0.00109	-0.00037
%RSD	0.20045	23.53640	44.45208	3.02154	90.58189	12.47708	100.71650	448.51667	103.90332

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.01435	-0.00057	-0.00094	-0.00049	-0.00113	-0.00088	0.00133	-0.00015	-0.00186
#2	-0.01468	-0.00208	-0.00097	0.00082	-0.00101	0.00121	-0.01479	-0.00019	-0.00136
Mean	-0.01452	-0.00132	-0.00095	0.00017	-0.00107	0.00017	-0.00673	-0.00017	-0.00161
%RSD	1.63819	80.38962	2.12780	560.67977	7.80781	888.47072	169.25336	16.48787	22.18639

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00101	-0.00088	0.00036
#2	-0.00147	0.00015	-0.00157
Mean	-0.00124	-0.00037	-0.00061
%RSD	26.10803	197.65654	224.67417

Method : Paragon
File : 090113A
SampleId1 : 0901040-4 10X
SampleId2 :
Analysis commenced : 1/13/2009 16:01:27
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:37:00
[SAMPLE]

Position : TUBE41

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00011	0.09905	-0.00009	0.65602	1.29445	0.00034	0.00211	3.43058	-0.00035
#2	-0.00049	0.09865	-0.00116	0.65955	1.29214	0.00033	0.00367	3.44063	-0.00049
Mean	-0.00019	0.09885	-0.00062	0.65779	1.29329	0.00033	0.00289	3.43561	-0.00042
%RSD	224.88834	0.28053	121.20492	0.37887	0.12610	1.05590	37.98791	0.20677	23.84367

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00029	0.00564	-0.00086	1.52388	13.91017	0.31144	0.38341	0.01173	-0.00027
#2	-0.00020	0.00586	-0.00101	1.52498	13.85426	0.31025	0.38166	0.01173	-0.00056
Mean	-0.00025	0.00575	-0.00093	1.52443	13.88222	0.31084	0.38253	0.01173	-0.00042
%RSD	24.88116	2.67763	11.14749	0.05077	0.28478	0.27179	0.32380	0.00000	48.54889

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	243.82139	0.00025	1.84172	0.00066	-0.00086	2.18690	0.00046	-0.00260	-0.00207
#2	243.11273	0.00011	1.86271	0.00267	-0.00067	2.20377	0.00170	0.00185	-0.00068
Mean	243.46706	0.00018	1.85222	0.00166	-0.00076	2.19533	0.00108	-0.00038	-0.00138
%RSD	0.20582	54.79315	0.80134	85.73431	17.30649	0.54341	81.63518	839.78342	71.23644

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	2.10228	ppm	0.52188	ppm	0.00218	ppm	0.00237	ppm	-0.00062	ppm	-0.01001	ppm	-0.00014	ppm	0.00218
#2	2.12386		0.52141		0.00286		0.00270		-0.00067		-0.00150		-0.00033		0.00209
Mean	2.11307		0.52164		0.00252		0.00253		-0.00064		-0.00576		-0.00024		0.00214
%RSD	0.72219		1052.96315		19.15427		9.15955		5.57339		104.45505		57.34256		2.78637

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00129	-0.00035	-0.00225
#2	-0.00132	0.00044	0.00016
Mean	-0.00131	0.00005	-0.00104
%RSD	1.58185	1251.58545	163.34513

Method : Paragon
 File : 090113A
 SampleId1 : 0901040-5 100X SampleId2 :
 Analysis commenced : 1/13/2009 16:03:21
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:37:01
 [SAMPLE]
 Position : TUBE42

Final concentrations

#1	0.00060	Ag	ppm	0.10089	Al	ppm	-0.00044	As	ppm	0.10920	B	ppm	0.08680	Ba	ppm	0.00031	Be	ppm	0.00513	Bi	ppm	0.29200	Ca	ppm	-0.00025	Cd	ppm
#2	0.00042			0.10351			-0.00034			0.10882			0.08696			0.00029			0.00312		0.29298			-0.00046			
Mean	0.00051			0.10220			-0.00039			0.10901			0.08688			0.00030			0.00412		0.29249			-0.00035			
%RSD	26.25064			1.81410			17.19685			0.24834			0.12816			5.62479			34.45784		0.23836			43.16002			

#1	-0.00028	Co	ppm	0.00010	Cr	ppm	-0.00116	Cu	ppm	0.07028	Fe	ppm	1.56604	K	ppm	0.03415	Li	ppm	0.01508	Mg	ppm	0.00006	Mn	ppm	-0.00030	Mo	ppm
#2	-0.00070			-0.00037			-0.00164			0.07028			1.56540			0.03428			0.01232		-0.00003			-0.00175			
Mean	-0.00049			-0.00013			-0.00140			0.07028			1.56572			0.03422			0.01370		0.00001			-0.00102			
%RSD	60.42679			251.70828			24.51874			0.00000			0.02882			0.26634			14.20582		432.91720			100.36233			

#1	29.74981	Na	ppm	-0.00035	Ni	ppm	0.14038	P	ppm	0.00316	Pb I	ppm	-0.00143	Pb II	ppm	0.18057	S	ppm	0.00207	Sb	ppm	-0.00075	Se I	ppm	-0.00419	Se II	ppm
#2	29.81055			-0.00007			0.13431			0.00182			-0.00120			0.17150			0.00228		0.00196		-0.00093				
Mean	29.78018			-0.00021			0.13734			0.00249			-0.00131			0.17603			0.00218		0.00060		-0.00256				
%RSD	0.14422			93.68768			3.12732			38.13148			12.63453			3.64425			6.77199		317.60348		89.85180				

#1	0.43123	Si	ppm	-0.00034	Sn	ppm	0.05222	Sr	ppm	0.00061	Th	ppm	-0.00077	Ti	ppm	0.00072	Tl	ppm	0.01068	U	ppm	0.00033	V	ppm	-0.00018	Zn	ppm
#2	0.42496			-0.00127			0.05247			0.00079			-0.00076			-0.00096			0.00217		0.00004		-0.00077				
Mean	0.42809			-0.00080			0.05234			0.00070			-0.00077			-0.00012			0.00642		0.00019		-0.00047				
%RSD	1.03623			81.52438			0.33996			19.11109			1.04228			971.13079			93.61806		110.30802		88.03044				

Zr	Pb	Se
ppm	calc	calc

#1	-0.00022	0.00010	-0.00304	NCH
#2	-0.00069	-0.00019	0.00003	
Mean	-0.00045	-0.00005	-0.00151	
%RSD	73.78735	441.85728	144.16191	

Method : Paragon
 File : 090113A
SampleId1 : 0901050-2 2X
sampleId2 :
Analysis commenced : 1/13/2009 16:05:15
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:37:01
[SAMPLE]
 Position : TUBE43

Final concentrations

	Ag ppm	Al ppm	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca ppm	Cd ppm
#1	-0.00083	62.14772	0.03119	0.00224	0.14222	0.00189	0.00779	6.82110	-0.00012
#2	-0.00087	62.29039	0.02889	0.00045	0.14183	0.00187	0.00726	6.83745	-0.00038
Mean	-0.00085	62.21905	0.03004	0.00135	0.14202	0.00188	0.00752	6.82927	-0.00025
%RSD	3.21750	0.16215	5.41206	93.88058	0.19610	0.86920	5.05218	0.16931	75.29799

	Co ppm	Cr ppm	Cu ppm	Fe ppm	K ppm	Li ppm	Mg ppm	Mn ppm	Mo ppm
#1	0.01270	0.08208	0.04405	136.25894	2.93292	0.02610	3.89003	1.00187	0.00498
#2	0.01260	0.08235	0.04411	136.49745	2.93313	0.02615	3.90432	1.00263	0.00498
Mean	0.01265	0.08222	0.04408	136.37820	2.93303	0.02613	3.89718	1.00225	0.00498
%RSD	0.55517	0.23981	0.10631	0.12367	0.00514	0.14484	0.25914	0.05378	0.00000

	Na ppm	Ni ppm	P ppm	Pb I ppm	Pb II ppm	S ppm	Sb ppm	Se I ppm	Se II ppm
#1	0.29930	0.03043	2.16611	0.04232	0.03613	0.52018	0.00617	-0.01309	0.00097
#2	0.29816	0.03092	2.16552	0.04196	0.03678	0.52925	0.00399	-0.00607	-0.00187
Mean	0.29873	0.03067	2.16581	0.04214	0.03646	0.52471	0.00508	-0.00958	-0.00045
%RSD	0.26952	1.11403	0.01933	0.60603	1.26097	1.22288	30.28143	51.76828	446.36637

	Si ppm	Sn ppm	Sr ppm	Th ppm	Ti ppm	Tl ppm	U ppm	V ppm	Zn ppm
#1	8.19648	0.01549	0.01349	0.02994	0.61115	-0.00561	0.02673	0.14002	0.12441
#2	8.20950	0.01722	0.01358	0.03098	0.61559	-0.00564	0.03194	0.13978	0.12491
Mean	8.20299	0.01636	0.01354	0.03046	0.61337	-0.00562	0.02934	0.13990	0.12466
%RSD	0.11217	7.47924	0.48785	2.41096	0.51167	0.33094	12.55756	0.12317	0.28643

	Zr ppm	Pb calc	Se calc
#1	0.08172	0.03819	-0.00371
#2	0.08058	0.03851	-0.00327
Mean	0.08115	0.03835	-0.00349
%RSD	0.99076	0.57785	8.98129

Method : Paragon
 File : 090113A
SampleId1 : 0901050-2D 2X
sampleId2 :
Analysis commenced : 1/13/2009 16:07:09

Printed : 1/13/2009 16:37:01
[SAMPLE]

Dilution ratio : 1.00000 to 1.00000 Tray :

Position : TUBE44

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00024	62.35178	0.03226	0.00122	0.14561	0.00206	0.00949	7.14793	-0.00004
#2	-0.00133	63.05340	0.02744	0.00084	0.14705	0.00206	0.00749	7.13627	-0.00027
Mean	-0.00078	62.70259	0.02985	0.00103	0.14633	0.00206	0.00849	7.14210	-0.00015
%RSD	98.70813	0.79123	11.41491	26.36892	0.69789	0.13901	16.65426	0.11549	105.16949

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.01210	0.09107	0.04404	139.17582	3.24416	0.05132	5.90028	0.81397	0.00465
#2	0.01179	0.09071	0.04412	139.11746	3.25055	0.05171	5.89877	0.81592	0.00451
Mean	0.01194	0.09089	0.04408	139.14664	3.24736	0.05152	5.89953	0.81494	0.00458
%RSD	1.82939	0.28290	0.12892	0.02966	0.13918	0.53034	0.01803	0.16887	2.20371

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.28471	0.03351	2.20597	0.04197	0.03070	0.83004	0.00588	-0.00276	0.00009
#2	0.28534	0.03219	2.19452	0.03780	0.03262	0.83652	0.00295	-0.00738	0.00125
Mean	0.28503	0.03285	2.20024	0.03988	0.03166	0.83328	0.00441	-0.00507	0.00067
%RSD	0.15690	2.85332	0.36781	7.39526	4.29677	0.55014	46.98950	64.44716	123.35600

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	7.37944	0.01586	0.01605	0.03276	0.58870	-0.00172	0.03280	0.14355	0.12702
#2	7.41931	0.01713	0.01615	0.03195	0.59482	-0.00315	0.01986	0.14328	0.12668
Mean	7.39937	0.01650	0.01610	0.03236	0.59176	-0.00243	0.02633	0.14341	0.12685
%RSD	0.38105	5.42367	0.44162	1.77094	0.73118	41.69731	34.75702	0.12946	0.18766

	Zr	Pb	Se
	ppm	calc	calc
#1	0.08018	0.03445	-0.00086
#2	0.07979	0.03434	-0.00162
Mean	0.07999	0.03440	-0.00124
%RSD	0.34318	0.21764	43.22602

Method : Paragon File : 090113A

SampleId1 : 0901050-2L 10X SampleId2 :

Analysis commenced : 1/13/2009 16:09:03

Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:37:01

[SAMPLE]

Position : TUBE45

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00320	12.44861	0.00004	-0.00402	0.02806	0.00062	-0.00878	1.37642	-0.00084
#2	-0.00051	12.40754	0.00712	-0.00189	0.02816	0.00061	0.00072	1.38207	-0.00071

Mean	-0.00186	12.42808	0.00358	-0.00295	0.02811	0.00061	-0.00403	1.37925	-0.00077
%RSD	102.39354	0.23365	139.97249	50.96969	0.26397	0.69627	166.57621	0.28930	11.80445
	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00035	0.01389	0.00486	24.31902	0.68623	0.00817	0.76255	0.20334	-0.00134
#2	0.00176	0.01565	0.00666	24.30521	0.69431	0.00818	0.78207	0.20343	0.00018
Mean	0.00070	0.01477	0.00576	24.31212	0.69027	0.00818	0.77231	0.20339	-0.00058
%RSD	212.80361	8.41877	22.07914	0.04016	0.82753	0.06316	1.78735	0.02932	184.88098
	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.23444	0.00337	0.43758	-0.00651	0.01388	0.09244	-0.00570	-0.01370	0.00404
#2	0.23431	0.00464	0.43827	0.00469	0.00712	0.09763	0.00098	-0.00348	0.00021
Mean	0.23437	0.00400	0.43793	-0.00091	0.01050	0.09503	-0.00236	-0.00859	0.00212
%RSD	0.03813	22.43952	0.11085	866.26083	45.55166	3.85718	200.23725	84.13649	127.68040
	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.65791	-0.00025	0.00202	0.01257	0.12323	-0.00625	-0.04075	0.02550	0.02424
#2	1.68349	0.00229	0.00220	0.00976	0.12459	-0.00139	-0.00180	0.02714	0.02449
Mean	1.67070	0.00102	0.00211	0.01116	0.12391	-0.00382	-0.02127	0.02632	0.02436
%RSD	1.08277	176.51659	6.02168	17.81882	0.77489	90.07364	129.48560	4.41025	0.73303

	Zr	Pb	Se
	ppm	calc	calc
#1	0.01402	0.00709	-0.00187
#2	0.01547	0.00631	-0.00102
Mean	0.01474	0.00670	-0.00145
%RSD	6.97217	8.23931	41.55230

Method : Paragon
SampleId1 : 0901050-2Ms 2X
SampleId2 :
Analysis commenced : 1/13/2009 16:10:57
Dilution ratio : 1.00000 to 1.00000 Tray :
Printed : 1/13/2009 16:37:02
[SAMPLE]
Position : TUBE46

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.05029	85.53958	1.01765	0.38078	1.13008	0.02727	0.00756	27.17039	0.02402
#2	0.05108	85.21084	1.01296	0.37976	1.12733	0.02727	0.00947	27.14449	0.02434
Mean	0.05068	85.37521	1.01530	0.38027	1.12871	0.02727	0.00851	27.15744	0.02418
%RSD	1.10360	0.27227	0.32654	0.18967	0.17249	0.00815	15.84682	0.06742	0.94163
	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.26357	0.18027	0.18958	134.45553	22.20595	0.28203	23.97338	0.97380	0.48230
#2	0.26336	0.18069	0.18902	134.34079	22.11997	0.28135	23.93249	0.97240	0.48032
Mean	0.26347	0.18048	0.18930	134.39816	22.16296	0.28169	23.95293	0.97310	0.48131

%RSD	0.05511	0.16362	0.20852	0.06037	0.27430	0.17099	0.12070	0.10154	0.28988
	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	19.03672	0.31052	2.14825	0.29487	0.27304	0.42555	0.09839	0.92819	0.91219
#2	18.96928	0.30911	2.13642	0.29774	0.27279	0.43721	0.09810	0.91849	0.91622
Mean	19.00300	0.30982	2.14233	0.29630	0.27292	0.43138	0.09824	0.92334	0.91420
%RSD	0.25097	0.32107	0.39071	0.68560	0.06428	1.91234	0.20967	0.74261	0.31173
	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	7.48356	0.27304	0.26643	0.02499	0.62998	1.00885	0.03467	0.38988	0.41293
#2	7.47567	0.26808	0.26582	0.02456	0.62683	1.01339	0.02938	0.38876	0.41394
Mean	7.47962	0.27056	0.26613	0.02477	0.62840	1.01112	0.03203	0.38932	0.41343
%RSD	0.07452	1.29742	0.16130	1.23226	0.35463	0.31713	11.68843	0.20369	0.17255
	Zr	Pb	Se						
	ppm	calc	calc						
#1	0.07865	0.28031	0.91752						
#2	0.07877	0.28110	0.91698						
Mean	0.07871	0.28071	0.91725						
%RSD	0.11228	0.19930	0.04170						

Method : Paragon
 File : 090113A
 SampleId1 : 0901050-2MSD 2X SampleId2 :
 Analysis commenced : 1/13/2009 16:12:51
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:37:02

[SAMPLE]

Position : TUBE47

Final concentrations

	Al	Ag	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	84.78485	0.05069	1.02981	0.38703	1.14748	0.02759	0.00818	35.37167	0.02477
#2	84.33063	0.05069	1.02849	0.38911	1.14290	0.02760	0.00763	35.49134	0.02502
Mean	84.55774	0.05069	1.02915	0.38807	1.14519	0.02759	0.00791	35.43150	0.02489
%RSD	0.37983	0.00363	0.09019	0.37946	0.28284	0.01157	4.96309	0.23883	0.71613
	Cr	Co	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.18728	0.26709	0.19204	135.54613	22.64285	0.28828	28.68795	1.14312	0.48615
#2	0.18780	0.26792	0.19007	135.92906	22.50333	0.28674	28.73321	1.14384	0.48608
Mean	0.18754	0.26750	0.19106	135.73759	22.57309	0.28751	28.71058	1.14348	0.48611
%RSD	0.19617	0.21961	0.72746	0.19948	0.43703	0.37935	0.11146	0.04455	0.01037
	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
#1	0.31519	2.14963	0.30395	0.27840	0.58111	0.10227	0.92939	0.91474	
#2	0.31539	2.17262	0.30560	0.27518	0.58500	0.10227	0.93116	0.91505	
Mean	0.31529	2.16113	0.30478	0.27679	0.58305	0.10227	0.93027	0.91489	
%RSD	0.04330	0.75207	0.38435	0.82347	0.47167	0.00316	0.13405	0.02410	

ted: 1/13/2009 16:37:06 User: ROY FRENCH

	Si	Sr	Th	Ti	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	7.22120	0.27467	0.01910	0.62213	0.03125	0.39272	0.42453
#2	7.19828	0.27317	0.02360	0.61984	0.02785	0.39171	0.42596
Mean	7.20974	0.27392	0.02135	0.62098	0.02955	0.39222	0.42525
%RSD	0.22483	0.38703	14.92000	0.26037	8.12325	0.18132	0.23765

	Zr	Pb	Se
	ppm	calc	calc
#1	0.07725	0.28691	0.91962
#2	0.07719	0.28531	0.92041
Mean	0.07722	0.28611	0.92001
%RSD	0.05377	0.39502	0.06112

Method : Paragon File : 090113A
sampleId1 : 0901050-3 2X sampleId2 :
Analysis commenced : 1/13/2009 16:14:45
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:37:02
[SAMPLE]

Position : TUBE48

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00053	59.70930	0.02757	0.00828	0.15567	0.00172	0.00977	48.01982	-0.00014
#2	-0.00132	60.11095	0.02442	0.00790	0.15609	0.00173	0.00521	47.85607	-0.00024
Mean	-0.00092	59.91012	0.02599	0.00809	0.15588	0.00173	0.00749	47.93794	-0.00019
%RSD	60.05124	0.47405	8.56844	3.34704	0.19060	0.43683	43.08461	0.24153	37.56812

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.02604	0.05658	0.04025	121.62551	2.28450	0.02532	4.73907	1.98076	0.00518
#2	0.02595	0.05691	0.04110	121.27714	2.28578	0.02538	4.72629	1.97863	0.00453
Mean	0.02600	0.05674	0.04067	121.45132	2.28514	0.02535	4.73268	1.97969	0.00485
%RSD	0.23491	0.40951	1.47341	0.20282	0.03952	0.16967	0.19098	0.07602	9.35771

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.31934	0.02771	1.90056	0.07019	0.06054	0.40092	0.00539	-0.00490	0.00101
#2	0.32048	0.02803	1.89149	0.06921	0.06265	0.39444	0.00489	-0.01247	0.00299
Mean	0.31991	0.02787	1.89602	0.06970	0.06159	0.39768	0.00514	-0.00868	0.00200
%RSD	0.25178	0.80571	0.33817	0.99578	2.41951	1.15242	6.84075	61.58405	70.01075

	Si	Sn	Sr	Th	Ti	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	5.52648	0.01389	0.05378	0.03181	0.59801	0.02998	0.13437	0.09133
#2	5.52663	0.01551	0.05387	0.03184	0.59684	0.02529	0.13410	0.08990
Mean	5.52656	0.01470	0.05383	0.03182	0.59742	0.02764	0.13424	0.09061
%RSD	0.00192	7.79827	0.12280	0.07597	0.13833	11.99310	0.13738	1.11660

	Zr	Pb	SeNCH
	ppm	calc	calc
#1	0.07561	0.06375	-0.00096
#2	0.07569	0.06483	-0.00216
Mean	0.07565	0.06429	-0.00156
%RSD	0.07113	1.18663	54.36174

Method : Paragon
 File : 090113A
 SampleId1 : 0901050-4 2X SampleId2 :
 Analysis commenced : 1/13/2009 16:16:38
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:37:03
 [SAMPLE]
 Position : TUBE49

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00023	50.35727	0.02508	0.00335	0.21611	0.00309	0.00594	25.33743	-0.00003
#2	-0.00024	50.32882	0.02687	0.00271	0.21605	0.00307	0.00869	25.38092	-0.00003
Mean	-0.00024	50.34305	0.02598	0.00303	0.21608	0.00308	0.00732	25.35917	-0.00003
%RSD	2.12440	0.03997	4.88697	14.91060	0.01720	0.34508	26.59852	0.12126	7.16436

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.04336	0.10290	0.04004	134.31241	5.11062	0.02673	9.13103	2.30795	0.00189
#2	0.04362	0.10342	0.03983	134.60399	5.10870	0.02670	9.14107	2.31213	0.00246
Mean	0.04349	0.10316	0.03993	134.45820	5.10966	0.02672	9.13605	2.31004	0.00218
%RSD	0.41146	0.35218	0.38620	0.15334	0.02658	0.07082	0.07772	0.12791	18.54253

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.29753	0.05521	1.17268	0.08064	0.07139	0.53444	0.00642	-0.00353	0.00374
#2	0.29740	0.05546	1.18930	0.08065	0.07009	0.52795	0.00419	-0.00753	0.00362
Mean	0.29747	0.05534	1.18099	0.08064	0.07074	0.53120	0.00531	-0.00553	0.00368
%RSD	0.03007	0.31753	0.99490	0.01284	1.30417	0.86283	29.68429	51.23301	2.28021

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	6.18480	0.01718	0.03712	0.02499	0.64844	-0.00622	0.02134	0.12279	0.13829
#2	6.18725	0.01532	0.03706	0.02588	0.65559	-0.00433	0.03054	0.12310	0.13762
Mean	6.18603	0.01625	0.03709	0.02544	0.65202	-0.00528	0.02594	0.12295	0.13796
%RSD	0.02790	8.08845	0.09592	2.45695	0.77546	25.31874	25.08365	0.17703	0.34508

	Zr	Pb	Se
	ppm	calc	calc
#1	0.05131	0.07447	0.00132
#2	0.05149	0.07361	-0.00009
Mean	0.05140	0.07404	0.00061
%RSD	0.25466	0.82648	162.99753

Method : Paragon

File : 090113A

Printed : 1/13/2009 16:37:03

SampleId1 : 0901050-5 3X SampleId2 :
 Analysis commenced : 1/13/2009 16:18:33
 Dilution ratio : 1.00000 to 1.00000 Tray :

[SAMPLE]

Position : TUBE50

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00013	36.04121	0.01884	-0.00095	0.22956	0.00156	0.00189	2.98656	-0.00017
#2	0.00065	36.25249	0.01837	-0.00027	0.23008	0.00159	0.01074	2.98968	-0.00028
Mean	0.00039	36.14685	0.01861	-0.00061	0.22982	0.00157	0.00631	2.98812	-0.00023
%RSD	93.07537	0.41331	1.79558	78.75497	0.16170	1.10820	99.16623	0.07362	34.03338

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.03834	0.03258	0.01444	55.86596	1.17571	0.01549	2.28040	5.10371	0.00242
#2	0.03839	0.03292	0.01445	55.85411	1.18315	0.01553	2.28766	5.10354	0.00194
Mean	0.03836	0.03275	0.01444	55.86004	1.17943	0.01551	2.28403	5.10363	0.00218
%RSD	0.10455	0.73720	0.00337	0.01499	0.44628	0.22192	0.22482	0.00240	15.45211

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.25095	0.02476	0.88426	0.06836	0.05774	0.37370	0.00566	-0.00307	0.00273
#2	0.25146	0.02448	0.87610	0.07117	0.05850	0.37629	0.00342	-0.00070	0.00062
Mean	0.25120	0.02462	0.88018	0.06976	0.05812	0.37499	0.00454	-0.00189	0.00167
%RSD	0.14233	0.79317	0.65494	2.84666	0.92530	0.48885	34.83040	88.76490	89.26714

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	3.60942	0.00903	0.01016	0.02078	0.49708	-0.00415	0.02372	0.08930	0.06717
#2	3.62972	0.01053	0.01015	0.02065	0.49880	-0.00470	0.02283	0.08972	0.06734
Mean	3.61957	0.00978	0.01016	0.02071	0.49794	-0.00442	0.02328	0.08951	0.06726
%RSD	0.39663	10.85785	0.10002	0.46307	0.24350	8.80419	2.69545	0.33419	0.17700

	Zr	Pb	Se
	ppm	calc	calc
#1	0.04767	0.06128	0.00080
#2	0.04792	0.06272	0.00018
Mean	0.04780	0.06200	0.00049
%RSD	0.37083	1.64524	89.91521

Method : Paragon

File : 090113A

SampleId1 : CCV

SampleId2 :

Analysis commenced : 1/13/2009 16:20:28

Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:37:03

[CV]

Position : STD6

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	0.19829	49.77886	0.50411	0.99015	0.94593	0.48228	0.51614	50.63038	0.50828
#2	0.19813	49.79455	0.50223	0.99248	0.94712	0.48317	0.51760	50.75185	0.50979
Mean	0.19821	49.78670	0.50317	0.99132	0.94653	0.48273	0.51687	50.69112	0.50903
%RSD	0.05557	0.02229	0.26460	0.16640	0.08887	0.12955	0.19971	0.16944	0.21011

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48381	0.97238	1.00202	19.29808	49.89932	0.49797	49.89950	0.94911	0.99323
#2	0.48364	0.97387	1.00076	19.33824	49.83639	0.49788	49.99069	0.95119	0.99596
Mean	0.48373	0.97312	1.00139	19.31816	49.86786	0.49792	49.94510	0.95015	0.99459
%RSD	0.02603	0.10862	0.08863	0.14701	0.08923	0.01152	0.12911	0.15439	0.19419

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.59282	1.03928	4.77435	0.97937	0.91926	4.89644	0.50583	0.96939	0.94889
#2	49.51386	1.03968	4.81217	0.97709	0.92218	4.91334	0.50304	0.97011	0.94764
Mean	49.55334	1.03948	4.79326	0.97823	0.92072	4.90489	0.50444	0.96975	0.94827
%RSD	0.11266	0.02713	0.55792	0.16512	0.22440	0.24365	0.39129	0.05305	0.09342

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.70336	0.99565	0.49228	0.15887	0.45333	0.49518	4.60002	0.47150	0.93454
#2	4.70787	0.99243	0.49297	0.15860	0.45417	0.49784	4.59057	0.47251	0.93403
Mean	4.70561	0.99404	0.49262	0.15874	0.45375	0.49651	4.59529	0.47201	0.93428
%RSD	0.06771	0.22936	0.09803	0.12029	0.13058	0.37906	0.14539	0.15126	0.03811

	Zr	Pb	Se
	ppm	calc	calc
#1	0.99779	0.93928	0.95572
#2	0.99912	0.94047	0.95512
Mean	0.99845	0.93987	0.95542
%RSD	0.09431	0.08939	0.04391

Method : Paragon
 File : 090113A
 SampleId1 : CCB
 SampleId2 :
 Analysis commenced : 1/13/2009 16:22:30
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:37:03
 [CB]

Position : STD2

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00048	0.01970	-0.00157	-0.00542	-0.00051	0.00031	0.00220	-0.24401	-0.00029
#2	0.00057	0.01906	-0.00103	-0.00482	-0.00040	0.00030	0.00358	-0.24359	-0.00011
Mean	0.00004	0.01938	-0.00130	-0.00512	-0.00046	0.00030	0.00289	-0.24380	-0.00020
%RSD	1713.02172	2.33263	29.08121	8.22458	16.26401	2.45307	33.56742	0.12246	64.11170

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00109	-0.00082	-0.00312	-0.00123	0.23713	0.00443	-0.01945	-0.00079	-0.00058

#2	-0.00049	-0.00058	-0.00249	-0.00112	0.23415	0.00442	-0.01520	-0.00079	-0.00056
Mean	-0.00079	-0.00070	-0.00280	-0.00117	0.23564	0.00443	-0.01733	-0.00079	-0.00057
%RSD	53.49446	24.84154	15.74348	6.51925	0.89275	0.15550	17.35942	0.00000	2.94901
#1	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.20449	-0.00116	-0.01007	-0.00096	0.00127	-0.02549	-0.00173	0.00087	-0.00004
#2	0.20378	-0.00031	-0.00889	-0.00004	-0.00128	-0.03067	0.00132	0.00182	0.00123
Mean	0.20413	-0.00073	-0.00948	-0.00050	0.00000	0.02808	-0.00020	0.00134	0.00060
%RSD	0.24793	82.57026	8.76479	129.35822	58166.64787	13.05289	1051.53982	49.96923	150.40103
#1	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.01860	-0.00173	-0.00095	0.00478	-0.00082	0.00041	-0.00360	-0.00026	-0.00178
#2	-0.01595	-0.00069	-0.00092	0.00132	-0.00105	0.00106	0.00759	-0.00009	-0.00136
Mean	-0.01727	-0.00121	-0.00093	0.00305	-0.00093	0.00074	0.00200	-0.00018	-0.00157
%RSD	10.86536	60.98923	2.17693	80.12464	17.55090	62.60767	396.39374	69.93988	18.98506
#1	Zr	Pb	Se						
	ppm	calc	calc						
#1	-0.00155	0.00053	0.00026						
#2	-0.00117	-0.00087	0.00143						
Mean	-0.00136	-0.00017	0.00084						
%RSD	19.61453	586.81588	97.15969						

Method : Paragon

File : 090113A

Printed : 1/13/2009 16:37:04

SampleId1 : 0901050-2A

SampleId2 :

[SAMPLE]

Analysis commenced : 1/13/2009 16:24:31

Dilution ratio : 1.00000 to 1.00000 Tray :

Position : TUBE51

Final concentrations

#1	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00108	116.74733	3.84543	1.92787	3.95160	0.09928	0.00835	92.23273	0.09737
#2	-0.00155	118.39212	3.87773	1.95265	3.99868	0.09982	0.01294	92.58637	0.09767
Mean	-0.00131	117.56973	3.86158	1.94026	3.97514	0.09955	0.01065	92.40955	0.09752
%RSD	25.38057	0.98923	0.59148	0.90299	0.83755	0.38782	30.47403	0.27060	0.21943
#1	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.98079	0.52842	0.58699	242.59971	83.71548	1.04564	84.15058	2.62848	1.98031
#2	0.98535	0.53058	0.59549	243.47064	84.73471	1.05986	84.63216	2.64531	1.99318
Mean	0.98307	0.52950	0.59124	243.03518	84.22510	1.05275	84.39137	2.63689	1.98675
%RSD	0.32787	0.28874	1.01674	0.25340	0.85569	0.95519	0.40351	0.45127	0.45824
#1	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	80.26724	1.08364	3.83377	1.03826	0.96018	0.92469	0.98174	3.58570	3.47789
#2	81.17619	1.09018	3.81770	1.04259	0.96401	0.92599	0.99520	3.62848	3.48510

Mean	80.72171	1.08691	3.82574	1.04043	0.96210	0.92534	3.60709	3.48149
%RSD	0.79622	0.42573	0.29704	0.29399	0.28102	0.09909	0.83862	0.14643
	Si	Sn	Sr	Th	Ti	Tl	U	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	16.72941	1.02343	0.97040	0.03548	1.90532	3.87786	1.18147	1.14047
#2	16.97758	1.03055	0.98115	0.03364	1.91553	3.90529	1.18921	1.14232
Mean	16.85350	1.02699	0.97578	0.03456	1.91043	3.89158	1.18534	1.14140
%RSD	1.04124	0.49052	0.77898	3.77219	0.37785	0.49833	0.46135	0.11429
	Zr	Pb	Se					
	ppm	calc	calc					
#1	0.13861	0.98618	3.51379					
#2	0.13941	0.99017	3.53284					
Mean	0.13901	0.98818	3.52332					
%RSD	0.40443	0.28557	0.38241					

Method : Paragon
File : 090113A
SampleId1 : CRI
SampleId2 :
Analysis commenced : 1/13/2009 16:26:26
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:37:04

[FLEXQC]

Position : STD3

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.02163	0.55424	0.01289	0.42940	0.41446	0.01138	0.06085	5.55787	0.01079
#2	0.02101	0.54590	0.01031	0.42791	0.41469	0.01134	0.05701	5.55461	0.01061
Mean	0.02132	0.55007	0.01160	0.42866	0.41457	0.01136	0.05893	5.55624	0.01070
%RSD	2.05046	1.07114	15.74846	0.24535	0.04040	0.21492	4.60387	0.04154	1.18063
	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.10716	0.02206	0.05256	0.20914	4.35198	0.02064	5.34594	0.03149	0.02231
#2	0.10621	0.02124	0.05180	0.20735	4.34196	0.02060	5.34192	0.03132	0.02054
Mean	0.10669	0.02165	0.05218	0.20824	4.34697	0.02062	5.34393	0.03140	0.02143
%RSD	0.63164	2.68500	1.03219	0.60650	0.16305	0.16688	0.05307	0.37952	5.81051
	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.23099	0.09452	0.19907	0.00392	0.00532	0.13910	0.13030	0.00768	0.00764
#2	4.21767	0.09420	0.20201	0.00426	0.00710	0.14169	0.12731	0.00821	0.00836
Mean	4.22433	0.09436	0.20054	0.00409	0.00621	0.14039	0.12881	0.00794	0.00800
%RSD	0.22297	0.23792	1.03657	5.90172	20.32459	1.30551	1.64258	4.70903	6.39410
	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09391	0.10836	0.02459	0.08683	0.01977	0.02368	0.20353	0.10639	0.04377
#2	0.09183	0.10708	0.02454	0.08810	0.01996	0.02131	0.18831	0.10550	0.04335
Mean	0.09287	0.10772	0.02456	0.08747	0.01987	0.02249	0.19592	0.10594	0.04356

%RSD	1.58190	0.83507	0.14479	1.02659	0.68232	7.43184	5.49327	0.59367	0.68330
	Zr	Pb	Se						
	ppm	calc	calc						
#1	0.05247	0.00485	0.00765						
#2	0.05203	0.00616	0.00831						
Mean	0.05225	0.00550	0.00798						
%RSD	0.59617	16.75261	5.83552						

Method : Paragon
 File : 090113A
 SampleId1 : ICSEA
 SampleId2 :
 Analysis commenced : 1/13/2009 16:28:31
 Dilution ratio : 1.00000 to 1.00000 Tray :
 Position : STD4

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00050	243.59139	0.00167	-0.00499	-0.00035	0.00077	0.00978	256.39518	-0.00035
#2	-0.00020	245.05351	-0.00466	-0.00619	-0.00040	0.00077	0.00823	255.99273	-0.00017
Mean	0.00015	244.32245	-0.00149	-0.00559	-0.00038	0.00077	0.00900	256.19395	-0.00026
%RSD	330.53030	0.42316	300.25143	15.07179	9.82727	0.03026	12.20589	0.11108	49.62013

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00058	-0.00151	-0.00723	97.71626	0.18974	0.00461	249.25274	-0.00138	-0.00146
#2	0.00043	-0.00192	-0.00729	97.70402	0.18166	0.00459	249.55581	-0.00138	-0.00120
Mean	0.00051	-0.00172	-0.00726	97.71014	0.18570	0.00460	249.40428	-0.00138	-0.00133
%RSD	20.72071	16.81644	0.59364	0.00886	3.07464	0.29916	0.08593	0.00000	13.89512

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.20984	0.00036	0.00472	0.00770	-0.00390	-0.03456	0.00545	-0.00958	-0.00320
#2	0.20938	-0.00014	0.00668	0.00637	-0.00062	-0.02938	0.00572	-0.01406	-0.00428
Mean	0.20961	0.00011	0.00570	0.00704	-0.00226	-0.03197	0.00559	-0.01182	-0.00374
%RSD	0.15625	322.02168	24.30337	13.36404	102.65945	11.46550	3.50792	26.83994	20.52902

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.01990	-0.00265	0.00040	-0.00467	-0.00104	-0.00421	0.04044	-0.00056	0.00184
#2	-0.02089	-0.00207	0.00037	-0.00558	-0.00113	-0.00189	0.02836	-0.00087	0.00260
Mean	-0.02039	-0.00236	0.00038	-0.00512	-0.00108	-0.00305	0.03440	-0.00071	0.00222
%RSD	3.43687	17.30394	6.59934	12.48025	5.90226	53.73656	24.82888	30.92057	24.12663

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00113	-0.00004	-0.00532
#2	0.00085	0.00171	-0.00754
Mean	0.00099	0.00084	-0.00643
%RSD	19.94999	147.82727	24.39098

ted: 1/13/2009 16:37:06 **User: ROY FRENCH**
 Method : Paragon File : 090113A
SampleId1 : ICSAB
SampleId2 :
Analysis commenced : 1/13/2009 16:30:36
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:37:05
[FLEXQC]
 Position : STD5

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.20434	250.62450	0.09687	0.99002	0.47421	0.46436	0.53666	0.99701
#2	0.20412	250.42577	0.09756	0.99354	0.47542	0.46577	0.53878	0.99586
Mean	0.20423	250.52513	0.09722	0.99178	0.47482	0.46506	0.53772	0.99644
%RSD	0.07484	0.05609	0.50372	0.25100	0.18038	0.21444	0.27783	0.08167

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.47239	0.46210	0.50848	99.78768	0.19038	1.01306	255.19936	0.45739	0.97083
#2	0.47245	0.46200	0.50881	99.96646	0.18400	1.01325	255.81237	0.45815	0.97368
Mean	0.47242	0.46205	0.50865	99.87707	0.18719	1.01315	255.50587	0.45777	0.97225
%RSD	0.00841	0.01537	0.04645	0.12657	2.40806	0.01334	0.16965	0.11741	0.20730

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.21131	0.97587	0.95469	0.05687	0.04021	0.91821	0.59501	0.03517	0.04174
#2	0.21106	0.97729	0.96157	0.05810	0.04294	0.93117	0.59848	0.04551	0.03995
Mean	0.21119	0.97658	0.95813	0.05748	0.04157	0.92469	0.59675	0.04034	0.04085
%RSD	0.08459	0.10258	0.50755	1.51620	4.63763	0.99158	0.41116	18.14103	3.09622

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.89784	0.97857	0.95867	0.37584	0.88865	0.08848	8.92103	0.46036	0.88830
#2	0.89644	0.98052	0.96260	0.38124	0.89093	0.09397	8.94293	0.46062	0.89308
Mean	0.89714	0.97954	0.96064	0.37854	0.88979	0.09123	8.93198	0.46049	0.89069
%RSD	0.10998	0.14109	0.28925	1.00874	0.18142	4.25403	0.17342	0.04083	0.37979

	Zr	Pb	Se
	ppm	calc	calc
#1	0.48525	0.04576	0.03955
#2	0.48638	0.04799	0.04180
Mean	0.48582	0.04687	0.04068
%RSD	0.16475	3.36289	3.91701

Method : Paragon File : 090113A
SampleId1 : CCV
SampleId2 :
Analysis commenced : 1/13/2009 16:32:40
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:37:05
[CV]
 Position : STD6

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
#1	0.19881	49.59159	0.49991	0.98896	0.94266	0.48353	0.50882	50.91319	0.51055
#2	0.20034	50.17828	0.50028	0.99711	0.95230	0.48566	0.51488	51.12619	0.51331
Mean	0.19958	49.88493	0.50010	0.99304	0.94748	0.48460	0.51185	51.01969	0.51193
%RSD	0.53985	0.83162	0.05325	0.57989	0.72009	0.31045	0.83724	0.29521	0.38157
	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
#1	0.48443	0.97688	0.99277	19.32734	49.85035	0.49429	50.12010	0.95182	0.99254
#2	0.48657	0.98037	1.00496	19.42963	50.33549	0.49990	50.45180	0.95694	0.99931
Mean	0.48550	0.97862	0.99886	19.37848	50.09292	0.49710	50.28595	0.95438	0.99592
%RSD	0.31197	0.25160	0.86257	0.37322	0.68481	0.79692	0.46643	0.37957	0.48061
	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
#1	49.68942	1.03627	4.73723	0.97917	0.93027	4.84314	0.50072	0.95485	0.93848
#2	50.19961	1.04016	4.75405	0.98539	0.93363	4.88214	0.50270	0.96096	0.94322
Mean	49.94451	1.03822	4.74564	0.98228	0.93195	4.86264	0.50171	0.95791	0.94085
%RSD	0.72232	0.26504	0.25058	0.44772	0.25469	0.56714	0.27789	0.45155	0.35633
	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
#1	4.69319	0.99784	0.49079	0.15550	0.45554	0.49951	4.58519	0.47253	0.94075
#2	4.73473	0.99749	0.49526	0.15837	0.45889	0.49845	4.61069	0.47513	0.94276
Mean	4.71396	0.99766	0.49303	0.15694	0.45722	0.49898	4.59794	0.47383	0.94175
%RSD	0.62324	0.02475	0.64087	1.29131	0.51747	0.15033	0.39219	0.38824	0.15121
	Zr	Pb	Se						
#1	0.99675	calc	calc						
#2	1.00451	0.94656	0.94393						
Mean	1.00063	0.94871	0.94653						
%RSD	0.54832	0.32124	0.38842						

Method : Paragon

File : 090113A

SampleId1 : CCB

SampleId2 :

Analysis commenced : 1/13/2009 16:34:51

Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 1/13/2009 16:37:05

[CB]

Position : STD2

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
#1	0.00080	0.01412	-0.00081	-0.00355	-0.00038	0.00021	0.00303	-0.24218	-0.00007
#2	0.00054	0.01129	0.00196	-0.00389	-0.00040	0.00020	0.00348	-0.24289	-0.00016
Mean	0.00067	0.01271	0.00057	-0.00372	-0.00039	0.00020	0.00326	-0.24254	-0.00012
%RSD	28.29797	15.74456	342.57031	6.47495	4.74865	2.51077	9.82011	0.20516	51.09177
	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo

#1	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#2	-0.00025	-0.00028	-0.00221	-0.00090	0.24903	-0.01170	-0.00066	0.00027	0.00042
Mean	-0.00058	-0.00083	-0.00270	-0.00106	0.22501	-0.01370	-0.00074	0.00042	0.00035
%RSD	-0.00042	-0.00056	-0.00246	-0.00098	0.23702	-0.01270	-0.00070	0.00035	29.21488
	55.62943	69.16939	13.93244	11.66018	7.16375	11.14727	8.48187		
	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
#1	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#2	0.20319	-0.00077	-0.00566	0.00306	-0.00219	-0.03067	0.00154	-0.00075	-0.00326
Mean	0.20192	-0.00124	-0.00586	0.00147	-0.00053	-0.03197	0.00084	0.00186	-0.00088
%RSD	0.20256	-0.00101	-0.00576	0.00227	-0.00136	-0.03132	0.00119	0.00056	-0.00207
	0.44091	32.89101	2.40472	49.65012	86.20778	2.92567	41.73397	330.18701	81.24871
	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
#1	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#2	-0.01840	-0.00080	-0.00090	0.00318	-0.00082	-0.00139	0.01252	0.00028	-0.00127
Mean	-0.01983	-0.00161	-0.00093	0.00196	-0.00107	-0.00185	0.00177	-0.00022	-0.00153
%RSD	-0.01912	-0.00121	-0.00092	0.00257	-0.00094	-0.00162	0.00714	0.00003	-0.00140
	5.27665	47.40706	2.21097	33.47531	19.03274	20.02384	106.33554	1311.78868	12.76156
	Zr	Pb	Se						
#1	ppm	calc	calc						
#2	-0.00098	-0.00044	-0.00242						
Mean	-0.00111	0.00014	0.00003						
%RSD	-0.00105	-0.00015	-0.00120						
	8.97916	266.16349	145.26395						

HEADER INFORMATION FOR ANALYTICAL SEQUENCE

MS090113A

REM

STANDARD SOLUTIONS

ST080818-14 = 40 PPM - Al; 10 PPM - Pb; 4 PPM - As, Se; 2 PPM - Cd, Ag, Sb, U, Mo; 0.1 PPM - Tl, Th. EXPIRES: 01/10/10.

ST080818-16 = 2 PPM - Cu, Be, La, Ce, Nd, Pr, Re, V, Y. EXPIRES: 02/01/09.

ST080818-17 = 100 PPM - Zn and 10 PPM - Mn. EXPIRES: 01/10/10.

CALIBRATION STANDARDS

HIGH STD (500ppb Zn; 200 ppb - Al; 50 ppb - Pb, Mn; 20 ppb - As, Se; 10ppb - Cd, Ag, Sb, U, Mo, Cu, Be, La, Ce, Nd, Pr, Re, V, Y; 0.5ppb - Tl, Th.) Made daily by diluting (ST080818-14, ST080818-17 and ST080818-16) 200 fold, (0.05ml up to a 10 ml final volume).

HIGH/2 LEVEL STD (250ppb Zn; 100 ppb - Al; 25 ppb - Pb, Mn; 10 ppb - As, Se; 5ppb - Cd, Ag, Sb, U, Mo, Cu, Be, La, Ce, Nd, Pr, Re, V, Y; 0.25ppb - Tl, Th.) Made daily by diluting 5.0ml of the HIGH STD calibration standard up to a 10ml final volume, (400 fold dilution of ST080818-14, ST080818-17 and ST080818-16).

MID LEVEL STD (100ppb Zn; 40 ppb - Al; 10 ppb - Pb, Mn; 4 ppb - As, Se; 2ppb - Cd, Ag, Sb, U, Mo, Cu, Be, La, Ce, Nd, Pr, Re, V, Y; 0.1ppb - Tl, Th.) Made daily by diluting 2.0ml of the HIGH STD calibration standard up to a 10ml final volume, (1000 fold dilution of ST080818-14, ST080818-17 and ST080818-16).

LOW LEVEL STD (50ppb Zn; 20 ppb - Al; 5 ppb - Pb, Mn; 2 ppb - As, Se; 1ppb - Cd, Ag, Sb, U, Mo, Cu, Be, La, Ce, Nd, Pr, Re, V, Y; 0.05ppb - Tl, Th.) Made daily by diluting 1.0ml of the HIGH STD calibration standard up to a 10ml final volume, (2000 fold dilution of ST080818-14, ST080818-17 and ST080818-16).

LOW/2 LEVEL STD (25ppb Zn; 10 ppb - Al; 2.5 ppb - Pb, Mn; 1 ppb - As, Se; 0.5ppb - Cd, Ag, Sb, U, Mo, Cu, Be, La, Ce, Nd, Pr, Re, V, Y; 0.025ppb - Tl, Th.) Made daily by diluting 0.5ml of the HIGH STD calibration standard up to a 10ml final volume, (4000 fold dilution of ST080818-14, ST080818-17 and ST080818-16).

LOW/10 LEVEL STD (5 ppb Zn; 2 ppb - Al; 0.5 ppb - Pb, Mn; 0.2 ppb - As, Se; 0.1ppb - Cd, Ag, Sb, U, Mo, Cu, Be, La, Ce, Nd, Pr, Re, V, Y; 0.005ppb - Tl, Th.) Made daily by diluting 1.0ml of the LOW LEVEL STD calibration standard up to a 10ml final volume, (20,000 fold dilution of ST080818-14, ST080818-17 and ST080818-16).

LOW/20 LEVEL STD (2.5ppb Zn; 1 ppb - Al; 0.25 ppb - Pb, Mn; 0.1 ppb - As, Se; 0.05ppb - Cd, Ag, Sb, U, Mo, Cu, Be, La, Ce, Nd, Pr, Re, V, Y; 0.0025ppb - Tl, Th.) Made daily by diluting 0.5ml of

the LOW LEVEL STD calibration standard up to a 10ml final volume, (40,000 fold dilution of ST080818-14, ST080818-17 and ST080818-16).

LOW/100 LEVEL STD (0.5 ppb Zn; 0.2 ppb - Al; 0.05 ppb - Pb, Mn; 0.02 ppb - As, Se; 0.01ppb - Cd, Ag, Sb, U, Mo, Cu, Be, La, Ce, Nd, Pr, Re, V, Y; 0.0005ppb - Tl, Th.) Made daily by diluting 1.0ml of the LOW/10 LEVEL STD calibration standard up to a 10ml final volume, (200,000 fold dilution of ST080818-14, ST080818-17 and ST080818-16).

INTERFERENCE CHECK SOLUTIONS

ICSA Made daily by diluting 0.1ml of (ST081103-6--EXPIRES: 11/01/09) up to a 10ml final volume, (100 fold dilution). The ICSA working solution contains the following elements and concentrations:

Element	Concentration (PPM)
Cl	212.15
Ca	30
Fe,Na	25
C	20
Al,K,Mg,P,S	10
Mo,Ti	0.2

ICSAB Made daily by diluting 0.1ml of (ST081103-6--EXPIRES: 11/01/09) and 2ml of the HIGH STD calibration standard up to a 10ml final volume. (This solution is a 100 fold dilution of ST081103-6 and a 1000 fold dilution of ST080818-14, ST080818-17 and ST080818-16.) The ICSAB working solution contains the following elements and concentrations:

Element	Concentration (PPM)
Cl	212.15
Ca	30
Fe,Na	25
C	20
Al,K,Mg,P,S	10
Mo,Ti	0.2
Pb,Mn	0.01
As,Se	0.004
Ag,Sb,U,Cd	0.002
Tl,Th	0.0001
Cu,Be,La,Ce,Nd,Pr,Re,V,Y	0.002
Zn	0.1

NOTE: When analyzing for As and/or Se, the ICSA and ICSAB solutions are passed through a cation exchange column.

ICSA_MO – Direct analysis of (ST080818-15 Expires 01-10-10). This solution is custom and made to be as close as possible to the ICSA above, without Mo. This ICSA working solution contains the following elements and concentrations:

Element	Concentration (PPM)
Ca	30
Fe,Na	25
Al,K,Mg,P	10
Ti	0.2

ICSAB_MO Made daily by diluting 0.04ml of (ST090112-7--EXPIRES: 04/06/10) up to a 10ml final volume with ICSA (Mo) solution above (ST080818-15 Expires 01-10-10). (This solution is a 250 fold dilution of ST090112-7.) This ICSAB working solution contains the following elements and concentrations:

Element	Concentration (PPM)
Ca	30
Fe,Na	25
Al,K,Mg,P	10
Ti	0.2
Mo	0.002
Pb	0.01
As,Se	0.004
Ag,Sb,U,Cd	0.002
Tl,Th	0.0001

CALIBRATION CHECK STANDARDS

ICV Made daily by diluting ICV second source intermediates (ST090112-7--EXPIRES: 04/06/10), (ST090112-8--EXPIRES: 02/28/10) and (ST090112-3--EXPIRES: 12/31/09) 200 fold, (0.05ml up to a 10ml final volume). The ICV working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	50
Pb,Mn	12.5
As,Se	5
Ag,Sb,U,Mo,Cd	2.5
Tl,Th	0.125
Cu,Be,La,Ce,Nd,Pr,Re,V,Y	2.5
Zn	125

CCV Made daily by diluting 2.0ml of the HIGH STD calibration standard up to a 10ml final volume, (1000 fold dilution of ST080818-14, ST080818-17 and ST080818-16). The CCV working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	40
Pb,Mn	10
As,Se	4
Ag,Sb,U,Mo,Cd	2
Tl,Th	0.1
Cu,Be,La,Ce,Nd,Pr,Re,V,Y	2.0
Zn	100

CRI_LOW/100 Re-analysis of the LOW/100 LEVEL STD (made daily as described above). The CRI working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	0.2
As,Se	0.02
U,Mo,Cd,Ag,Sb	0.01
Cu,Be,La,Ce,Nd,Pr,Re,V,Y	0.01
Pb,Mn	0.05
Tl,Th	0.0005
Zn	0.5

CRI_LOW/20 Re-analysis of the LOW/20 LEVEL STD (made daily as described above). The CRI working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	1.0
As,Se	0.1
U,Mo,Cd,Ag,Sb	0.05
Cu,Be,La,Ce,Nd,Pr,Re,V,Y	0.05
Pb,Mn	0.25
Tl,Th	0.0025
Zn	2.5

CRI_LOW/10 Re-analysis of the LOW/10 LEVEL STD (made daily as described above). The CRI working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	2.0
As,Se	0.2
U,Mo,Cd,Ag,Sb	0.1
Cu,Be,La,Ce,Nd,Pr,Re,V,Y	0.1
Pb,Mn	0.5
Tl,Th	0.0050
Zn	5.0

BLANK

ICB / CCB and all diluent – 1% HNO₃, 1% HCl in double deionized water.

INTERNAL STANDARDS

Internal Standard Intermediate (ST090112-4 --EXPIRES: 04/06/10) contains 1 PPM each of Bi, Rh, In; and 2 PPM each of Ga, Pt. This intermediate is added to all standards and samples in the same proportion of 1 on top of 100. Most often this is done by adding 0.05ml of Internal Standard Intermediate on top of 5ml of sample or standard. The final concentration of internal standard in the working solutions or samples is about 10 ppb In, Rh, Bi; and 20 ppb Ga, Pt.

ACID LOT NUMBERS

HNO₃ – G17027

HCl – G36024

PIPET ID NUMBERS

1.0 to 5.0ml -- M-66

0.1 to 1.0ml – M-60

0.01 to 0.1ml -- M-56

DILUTIONS

2X dilutions made by diluting 5ml of sample to a 10ml final volume.

5X dilutions made by diluting 1ml of sample to a 5ml final volume.

10X dilutions made by diluting 1ml of sample to a 10ml final volume.

50X dilutions made by diluting 0.1ml of sample to a 5ml final volume.

100X dilutions made by diluting 0.1ml of sample to a 10ml final volume.
200X dilutions made by diluting 0.05ml of sample to a 10ml final volume.

ANALYTICAL SPIKES

0901050-2 post spiked for Sb at 2 ppb by diluting 0.02ml of (ST090112-7 = 500 ppb Sb) up to a 5 ml final volume with the 10 fold dilution of the sample digestate.

0901033-1 post spiked for U at 2 ppb by diluting 0.02ml of (ST090112-7 = 500 ppb U) up to a 5 ml final volume with the 10 fold dilution of the sample digestate.

DAILY MAINTENANCE ITEMS

1. Check / change pump tubing
2. Check / empty drain containers
3. Tune instrument per manufacturer's procedures
4. Perform ten minute stability test (include results with data package)

MONTHLY MAINTENANCE ITEMS

1. Check / clean torch and cones for deposits
2. Check / clean nebulizer and spray chamber
3. Check / fill water recirculating reservoirs
4. Check / fill vacuum pump oil

COMMENTS

The IDL / MDL working solution contains the following elements and concentrations:

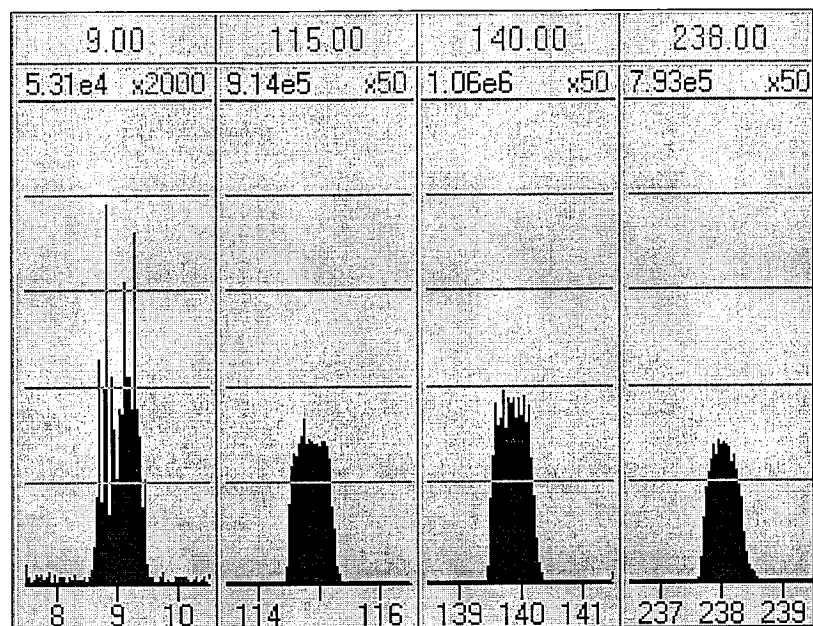
Element	Concentration (ppb)
Al	1.2
Cd,Tl,Ag,Th	0.008
As	0.05
Mo	0.03
Ce,La,Pr,Nd,Y	0.01
Re	0.02
U	0.002
Be,Cu,Mn	0.1
Zn	0.5
Sb	0.025
Pb	0.015
Se,V	0.06

Tuning Method Report

Page 1

Method: D:\MASSLYNX PROJECTS\AUG2002.PRO\ACQUDB\14AUGJTF TUNE

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ANALYSER	Set	Rdbk	TORCH	Set
Cone Lens	75	-90	X-Axis	2.20 2.26
Hex Exit Lens	400	419	Y-Axis	0.05 0.06
Hex Bias	0.2		Z-Axis	0.45 0.45
LM Resolution	12.5		Forward Power	1355 1361
High Resolution	12.5			
Ion Energy	2.0		GAS	Set
Multiplier	530	-546	Cool Gas	13.50 13.47
			Intermediate Gas	0.72 0.72
			Nebuliser Gas 1	0.72 0.72
			Nebuliser Gas 2	0.00 0.01
			Helium	5.0 5.0
			Hydrogen	5.0 5.0
			Hexapole Aux	0.00 0.39
			Laser Gas	0.00 0.27
Pressures	Rdbk			
Analyser Vacuum	2.6e-5			

Quantify Compound Summary Report
13JAN09

Page 1

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 13JAN09
Last modified: Tue Jan 13 10:35:20 2009
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Mar 28 10:37:26 2007
Job Code:

Printed: Tue Jan 13 10:49:20 2009

Compound 1: 9Be

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	i
1	13JAN09 01			22057		0.086	13-Jan-09	10
2	13JAN09 02			22110		0.100	13-Jan-09	10
3	13JAN09 03			22241		0.093	13-Jan-09	10
4	13JAN09 04			22266		0.098	13-Jan-09	10
5	13JAN09 05			22138		0.080	13-Jan-09	10
6	13JAN09 06			22089		0.110	13-Jan-09	10
7	13JAN09 07			21898		0.089	13-Jan-09	10
8	13JAN09 08			21939		0.112	13-Jan-09	10
9	13JAN09 09			21921		0.092	13-Jan-09	10
10	13JAN09 10			22333		0.117	13-Jan-09	10

Quantify Compound Summary Report
13JAN09

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Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 13JAN09
Last modified: Tue Jan 13 10:35:20 2009
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Mar 28 10:37:26 2007
Job Code:

Printed: Tue Jan 13 10:49:20 2009

Compound 2: 24Mg

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	i
1	13JAN09 01			69874		0.053	13-Jan-09	10
2	13JAN09 02			70326		0.056	13-Jan-09	10
3	13JAN09 03			70922		0.065	13-Jan-09	10
4	13JAN09 04			70872		0.066	13-Jan-09	10
5	13JAN09 05			70769		0.051	13-Jan-09	10
6	13JAN09 06			70161		0.053	13-Jan-09	10
7	13JAN09 07			70606		0.080	13-Jan-09	10
8	13JAN09 08			70025		0.058	13-Jan-09	10
9	13JAN09 09			69896		0.054	13-Jan-09	10
10	13JAN09 10			69851		0.061	13-Jan-09	10

Quantify Compound Summary Report
13JAN09

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Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 13JAN09
Last modified: Tue Jan 13 10:35:20 2009
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Mar 28 10:37:26 2007
Job Code:

Printed: Tue Jan 13 10:49:20 2009

Compound 3: 59Co

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	i
1	13JAN09 01			239936		0.025	13-Jan-09	10
2	13JAN09 02			242889		0.026	13-Jan-09	10
3	13JAN09 03			242496		0.029	13-Jan-09	10
4	13JAN09 04			243090		0.025	13-Jan-09	10
5	13JAN09 05			243941		0.020	13-Jan-09	10
6	13JAN09 06			241216		0.026	13-Jan-09	10
7	13JAN09 07			241915		0.024	13-Jan-09	10
8	13JAN09 08			239451		0.025	13-Jan-09	10
9	13JAN09 09			240873		0.030	13-Jan-09	10
10	13JAN09 10			241988		0.026	13-Jan-09	10

Quantify Compound Summary Report
13JAN09

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Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 13JAN09
Last modified: Tue Jan 13 10:35:20 2009
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Mar 28 10:37:26 2007
Job Code:

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Compound 4: 60Ni

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	i
1	13JAN09 01			44990		0.072	13-Jan-09	10
2	13JAN09 02			45609		0.076	13-Jan-09	10
3	13JAN09 03			45823		0.060	13-Jan-09	10
4	13JAN09 04			46011		0.065	13-Jan-09	10
5	13JAN09 05			45430		0.057	13-Jan-09	10
6	13JAN09 06			45314		0.070	13-Jan-09	10
7	13JAN09 07			45791		0.051	13-Jan-09	10
8	13JAN09 08			45341		0.061	13-Jan-09	10
9	13JAN09 09			45569		0.072	13-Jan-09	10
10	13JAN09 10			45671		0.063	13-Jan-09	10

Quantify Compound Summary Report
13JAN09

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Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 13JAN09
Last modified: Tue Jan 13 10:35:20 2009
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Mar 28 10:37:26 2007
Job Code:

Printed: Tue Jan 13 10:49:20 2009

Compound 5: 115In

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	i
1	13JAN09 01			767177		0.013	13-Jan-09	10
2	13JAN09 02			772498		0.013	13-Jan-09	10
3	13JAN09 03			772590		0.014	13-Jan-09	10
4	13JAN09 04			766117		0.012	13-Jan-09	10
5	13JAN09 05			767451		0.010	13-Jan-09	10
6	13JAN09 06			755913		0.013	13-Jan-09	10
7	13JAN09 07			753737		0.010	13-Jan-09	10
8	13JAN09 08			751543		0.011	13-Jan-09	10
9	13JAN09 09			753499		0.012	13-Jan-09	10
10	13JAN09 10			751772		0.013	13-Jan-09	10

Quantify Compound Summary Report
13JAN09

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Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 13JAN09
Last modified: Tue Jan 13 10:35:20 2009
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Mar 28 10:37:26 2007
Job Code:

Printed: Tue Jan 13 10:49:20 2009

Compound 6: 140Ce

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	i
1	13JAN09 01			948316		0.010	13-Jan-09	10
2	13JAN09 02			952174		0.012	13-Jan-09	10
3	13JAN09 03			960073		0.010	13-Jan-09	10
4	13JAN09 04			950400		0.010	13-Jan-09	10
5	13JAN09 05			950729		0.010	13-Jan-09	10
6	13JAN09 06			938697		0.010	13-Jan-09	10
7	13JAN09 07			933486		0.010	13-Jan-09	10
8	13JAN09 08			926354		0.009	13-Jan-09	10
9	13JAN09 09			932023		0.011	13-Jan-09	10
10	13JAN09 10			930617		0.009	13-Jan-09	10

Quantify Compound Summary Report
13JAN09

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Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 13JAN09
Last modified: Tue Jan 13 10:35:20 2009
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Mar 28 10:37:26 2007
Job Code:

Printed: Tue Jan 13 10:49:20 2009

Compound 10: Lead

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	i
1	13JAN09 01			619246		0.000	13-Jan-09	10
2	13JAN09 02			623863		0.000	13-Jan-09	10
3	13JAN09 03			627643		0.000	13-Jan-09	10
4	13JAN09 04			625259		0.000	13-Jan-09	10
5	13JAN09 05			619093		0.000	13-Jan-09	10
6	13JAN09 06			616027		0.000	13-Jan-09	10
7	13JAN09 07			611286		0.000	13-Jan-09	10
8	13JAN09 08			607618		0.000	13-Jan-09	10
9	13JAN09 09			608211		0.000	13-Jan-09	10
10	13JAN09 10			612269		0.000	13-Jan-09	10

Quantify Compound Summary Report
13JAN09

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Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 13JAN09
Last modified: Tue Jan 13 10:35:20 2009
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Mar 28 10:37:26 2007
Job Code:

Printed: Tue Jan 13 10:49:20 2009

Compound 11: 209Bi

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	1
1	13JAN09 01			541477		0.013	13-Jan-09	10
2	13JAN09 02			543287		0.017	13-Jan-09	10
3	13JAN09 03			544439		0.016	13-Jan-09	10
4	13JAN09 04			545445		0.016	13-Jan-09	10
5	13JAN09 05			539867		0.016	13-Jan-09	10
6	13JAN09 06			537618		0.014	13-Jan-09	10
7	13JAN09 07			533856		0.015	13-Jan-09	10
8	13JAN09 08			532082		0.017	13-Jan-09	10
9	13JAN09 09			535506		0.018	13-Jan-09	10
10	13JAN09 10			536100		0.017	13-Jan-09	10

Quantify Compound Summary Report
13JAN09

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Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 13JAN09
Last modified: Tue Jan 13 10:35:20 2009
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Mar 28 10:37:26 2007
Job Code:

Printed: Tue Jan 13 10:49:20 2009

Compound 12: 238U

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	i
1	13JAN09 01			724462		0.012	13-Jan-09	10
2	13JAN09 02			723712		0.015	13-Jan-09	10
3	13JAN09 03			727095		0.013	13-Jan-09	10
4	13JAN09 04			724279		0.013	13-Jan-09	10
5	13JAN09 05			721280		0.012	13-Jan-09	10
6	13JAN09 06			713289		0.011	13-Jan-09	10
7	13JAN09 07			709797		0.016	13-Jan-09	10
8	13JAN09 08			705792		0.011	13-Jan-09	10
9	13JAN09 09			706834		0.011	13-Jan-09	10
10	13JAN09 10			710400		0.013	13-Jan-09	10

Quantify Compound Summary Report
13JAN09

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Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 13JAN09
Last modified: Tue Jan 13 10:35:20 2009
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Mar 28 10:37:26 2007
Job Code:

Printed: Tue Jan 13 10:49:20 2009

Compound 13: 254UO

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	
1	13JAN09 01			40981		0.066	13-Jan-09	10
2	13JAN09 02			42070		0.068	13-Jan-09	10
3	13JAN09 03			41583		0.080	13-Jan-09	10
4	13JAN09 04			41870		0.085	13-Jan-09	10
5	13JAN09 05			41701		0.075	13-Jan-09	10
6	13JAN09 06			41638		0.081	13-Jan-09	10
7	13JAN09 07			40515		0.087	13-Jan-09	10
8	13JAN09 08			40606		0.084	13-Jan-09	10
9	13JAN09 09			40584		0.088	13-Jan-09	10
10	13JAN09 10							

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 13JAN09
Last modified: Tue Jan 13 10:35:20 2009
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Mar 28 10:37:26 2007
Job Code:

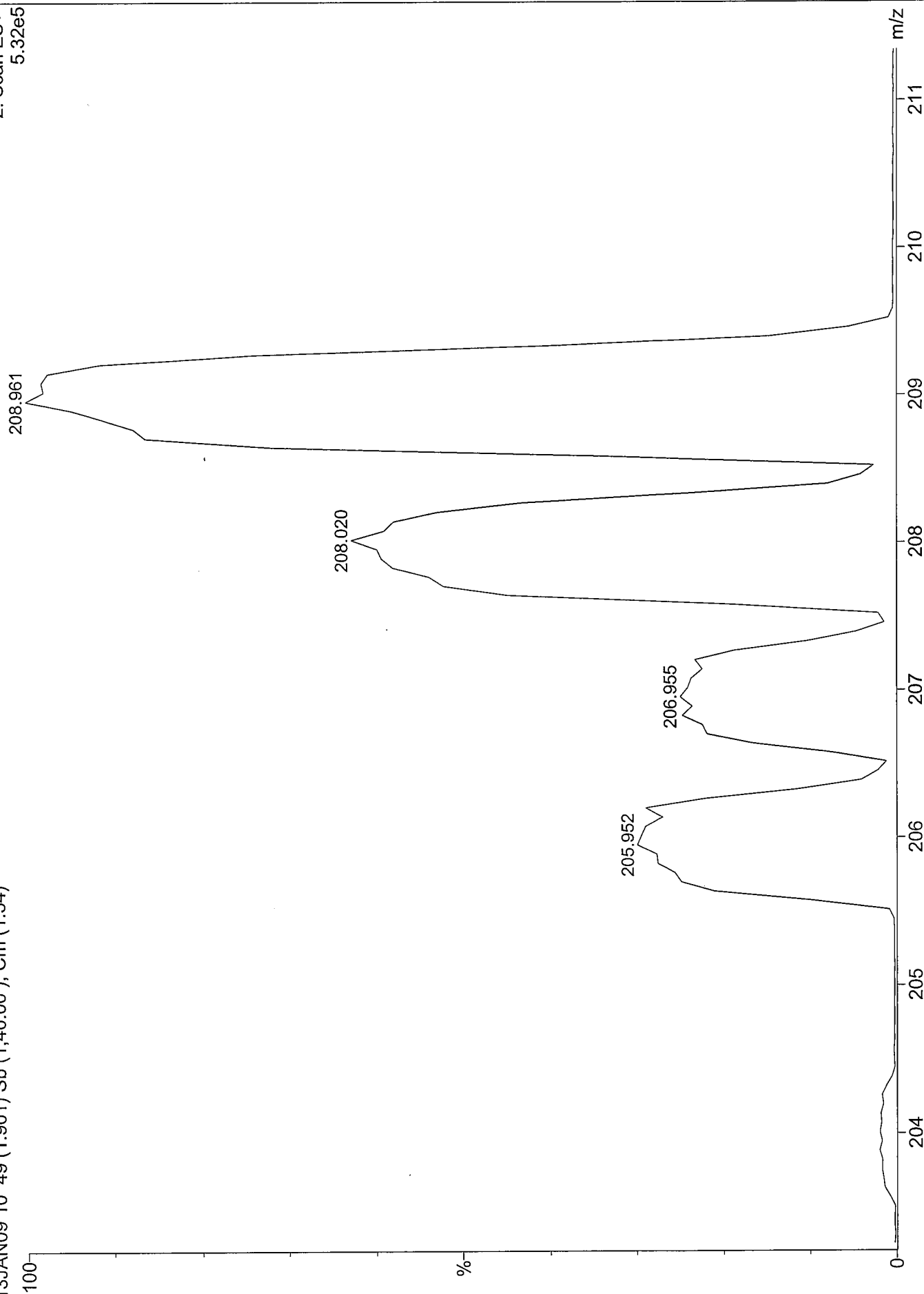
Printed: Tue Jan 13 10:49:20 2009

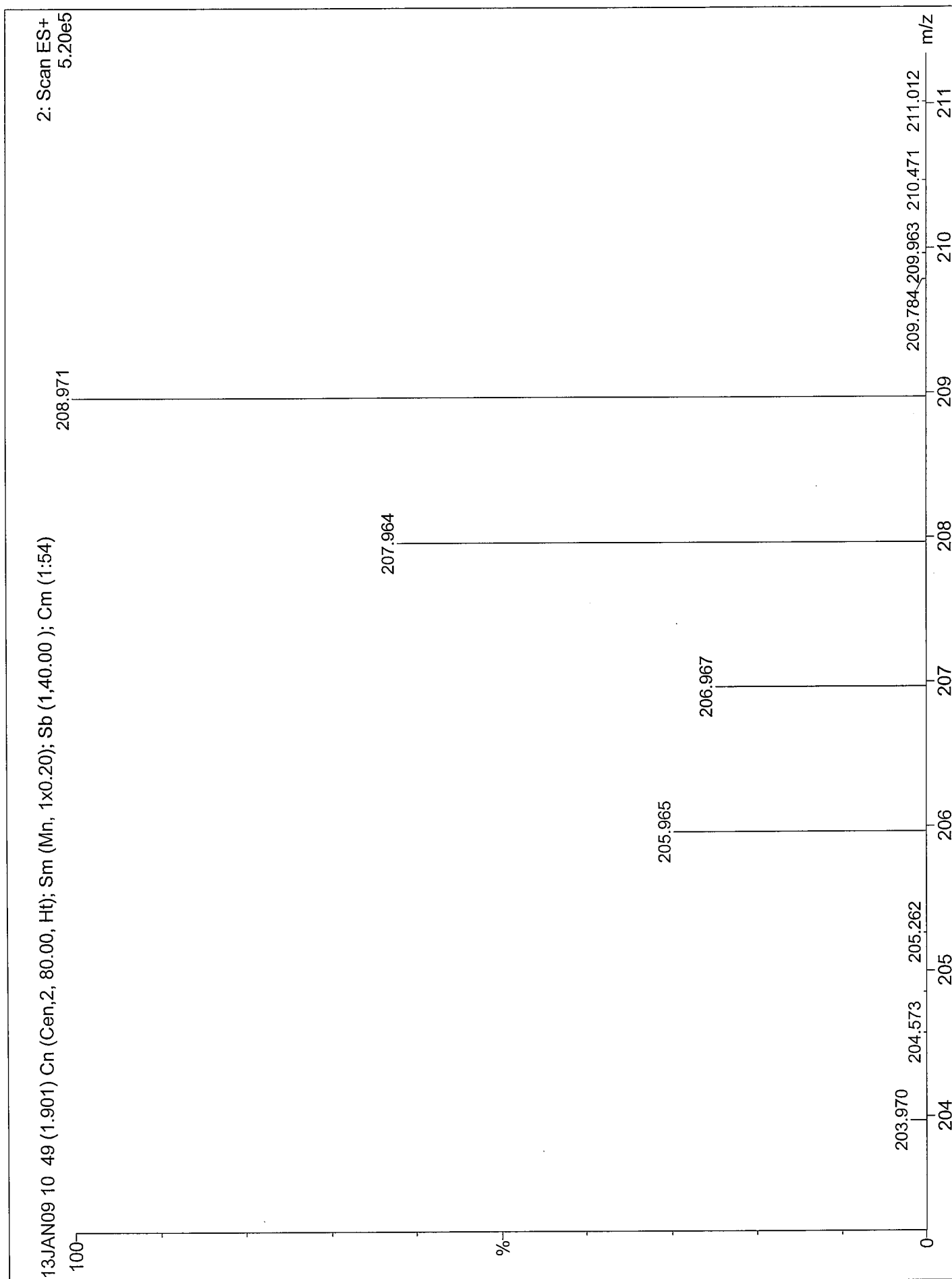
Compound 14: 220BKGD

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	i
1	13JAN09 01			28		12.192	13-Jan-09	10
2	13JAN09 02			27		12.860	13-Jan-09	10
3	13JAN09 03			20		14.243	13-Jan-09	10
4	13JAN09 04			30		11.256	13-Jan-09	10
5	13JAN09 05			23		14.253	13-Jan-09	10
6	13JAN09 06			21		16.292	13-Jan-09	10
7	13JAN09 07			28		12.343	13-Jan-09	10
8	13JAN09 08			25		13.206	13-Jan-09	10
9	13JAN09 09			25		11.583	13-Jan-09	10
10	13JAN09 10			23		14.110	13-Jan-09	10

13JAN09 10 49 (1.901) Sb (1,40.00); Cm (1.54)

2: Scan ES+
5.32e5





Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 19: 75As

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	13JAN08A 01	RINSE	0	348	719546	1.553	13-Jan-09	11:08:38	2
2	13JAN08A 02	RINSE	0	353	722339	1.765	13-Jan-09	11:10:58	2
3	13JAN08A 03	RINSE	0.0031635	408	720198	3.239	13-Jan-09	11:13:35	2
4	13JAN08A 04	RINSE	0	346	711378	1.647	13-Jan-09	11:16:12	2
5	13JAN08A 05	0 STD	0	344	709074	1.504	13-Jan-09	11:19:18	2
6	13JAN08A 06	L/100 STD	0.012416	446	712844	2.962	13-Jan-09	11:22:24	2
7	13JAN08A 07	L/20 STD	0.16168	1144	725434	0.867	13-Jan-09	11:25:30	2
8	13JAN08A 08	L/10 STD	0.26408	1620	727622	0.851	13-Jan-09	11:28:36	2
9	13JAN08A 09	LOW/2 STD	0.98223	4781	712239	0.293	13-Jan-09	11:31:43	2
10	13JAN08A 10	LOW STD	1.8979	8791	716381	0.221	13-Jan-09	11:34:50	2
11	13JAN08A 11	MID STD	3.9263	17310	719779	0.126	13-Jan-09	11:37:57	2
12	13JAN08A 12	HIGH/2 STD	10.089	42630	739794	0.103	13-Jan-09	11:41:16	2
13	13JAN08A 13	HIGH STD	19.987	86588	727273	0.069	13-Jan-09	11:44:51	2
14	13JAN08A 14	HIGH STD READBACK	19.932	86723	730903	0.075	13-Jan-09	11:48:42	2
15	13JAN08A 15	ICV	5.2489	22372	711866	0.133	13-Jan-09	11:52:32	2
16	13JAN08A 16	ICB	0.010730	437	710703	2.753	13-Jan-09	11:59:33	2
17	13JAN08A 17	CRI_L/100	0.053825	637	715636	2.615	13-Jan-09	12:02:41	2
18	13JAN08A 18	CRI_L/20	0.18706	1239	712820	0.941	13-Jan-09	12:05:48	2
19	13JAN08A 19	ICSA	4.1878	16259	637021	0.163	13-Jan-09	12:08:55	2
20	13JAN08A 20	ICSAB	8.6282	31649	636370	0.090	13-Jan-09	12:12:01	2
21	13JAN08A 21	IP090109-2MB 10X	0	375	716800	1.715	13-Jan-09	12:15:07	2
22	13JAN08A 22	IM090109-2LCS 10X	3.8894	17363	728297	0.170	13-Jan-09	12:19:27	2
23	13JAN08A 23	0901019-2 10X	0.67705	3549	736210	0.500	13-Jan-09	12:22:34	2
24	13JAN08A 24	0901019-2D 10X	0.64343	3349	726319	0.403	13-Jan-09	12:25:42	2
25	13JAN08A 25	0901019-2L 50X	0.18863	1271	727063	0.859	13-Jan-09	12:28:50	2
26	13JAN08A 26	0901019-2MS 10X	4.6657	20587	730112	0.111	13-Jan-09	12:31:58	2
27	13JAN08A 27	CCV	3.9532	17597	727110	0.139	13-Jan-09	12:35:07	2
28	13JAN08A 28	CCB	0.0043008	406	707584	1.410	13-Jan-09	12:38:14	2
29	13JAN08A 29	0901019-2MSD 10X	4.6861	20468	722967	0.110	13-Jan-09	12:41:20	2
30	13JAN08A 30	0901017-1 10X	0.94710	4584	705676	0.440	13-Jan-09	12:44:29	2
31	13JAN08A 31	0901017-2 10X	0.93168	4623	722269	0.300	13-Jan-09	12:49:20	2

①=do not use for AS

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 19: 75As

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
32	13JAN08A 32	0901021-4 10X	3.3269	11878	575604	0.181	13-Jan-09	12:52:28	2
33	13JAN08A 33	0901021-11 10X	0.17550	1170	702790	0.871	13-Jan-09	12:55:35	2
34	13JAN08A 34	0901021-17 10X	0.11347	908	714775	1.925	13-Jan-09	12:58:42	2
35	13JAN08A 35	0901021-24 10X	0.096852	840	721362	1.862	13-Jan-09	13:01:48	2
36	13JAN08A 36	0901030-4 10X	0.066570	701	721618	2.586	13-Jan-09	13:04:55	2
37	13JAN08A 37	IP090112-2MB 10X	0.019050	467	699043	2.634	13-Jan-09	13:14:00	2
38	13JAN08A 38	IM090112-2LCS 10X	3.9730	17360	714007	0.136	13-Jan-09	13:17:07	2
39	13JAN08A 39	CCV	4.0315	17709	718615	0.163	13-Jan-09	13:20:15	2
40	13JAN08A 40	CCB	0.00091204	390	706374	1.564	13-Jan-09	13:23:23	2
41	13JAN08A 41	0901040-1 10X	1.0588	4240	590196	0.335	13-Jan-09	13:26:29	2
42	13JAN08A 42	0901040-2 10X	2.4520	8834	567901	0.269	13-Jan-09	13:29:37	2
43	13JAN08A 43	0901040-2D 10X	2.4925	8942	566179	0.264	13-Jan-09	13:32:46	2
44	13JAN08A 44	0901040-2L 50X	0.60547	2950	674467	0.561	13-Jan-09	13:35:56	2
45	13JAN08A 45	0901040-2MS 10X	6.7691	23271	585891	0.180	13-Jan-09	13:39:06	2
46	13JAN08A 46	0901040-2MSD 10X	6.8968	24250	600111	0.167	13-Jan-09	13:42:14	2
47	13JAN08A 47	0901040-3 10X	3.5141	13212	608652	0.124	13-Jan-09	13:45:22	2
48	13JAN08A 48	0901040-4 10X	1.0856	4980	677655	0.358	13-Jan-09	13:48:29	2
49	13JAN08A 49	0901040-5 10X	1.6110	7012	664786	0.303	13-Jan-09	13:51:37	2
50	13JAN08A 50	IP090109-4MB 10X	0	358	762578	1.816	13-Jan-09	13:54:45	2
51	13JAN08A 51	CCV	4.0552	18736	756178	0.155	13-Jan-09	14:01:45	2
52	13JAN08A 52	CCB	0	351	728762	1.716	13-Jan-09	14:04:52	2
53	13JAN08A 53	IM090109-4LCS 10X	4.1075	18785	749242	0.129	13-Jan-09	14:07:59	2
54	13JAN08A 54	0901042-3 10X	1.5682	7803	758365	0.221	13-Jan-09	14:11:07	2
55	13JAN08A 55	0901042-3D 10X	1.4870	7432	758528	0.290	13-Jan-09	14:14:16	2
56	13JAN08A 56	0901042-3L 50X	0.37354	2238	766976	0.689	13-Jan-09	14:17:25	2
57	13JAN08A 57	0901042-3MS 10X	5.8447	25587	737466	0.125	13-Jan-09	14:20:34	2
58	13JAN08A 58	0901042-3MSD 10X	5.8257	25557	738816	0.123	13-Jan-09	14:23:44	2
59	13JAN08A 59	0901042-4 10X	1.4920	7349	747753	0.251	13-Jan-09	14:26:55	2
60	13JAN08A 60	0901042-9 10X	1.2497	6294	753408	0.357	13-Jan-09	14:30:03	2
61	13JAN08A 61	0901042-10 10X	1.1492	5908	763369	0.280	13-Jan-09	14:33:10	2
62	13JAN08A 62	0901007-1 10X	0.64562	3421	739747	0.477	13-Jan-09	14:36:18	2

① = do not use for AS

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 19: 75As

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
63	13JAN08A 63	CCV	3.9732	17952	738327	0.166	13-Jan-09	14:39:26	2
64	13JAN08A 64	CCB	0	380	718941	1.726	13-Jan-09	14:42:33	2
65	13JAN08A 65	0901020-2 10X	0.63155	3425	754944	0.370	13-Jan-09	14:45:41	2
66	13JAN08A 66	0901020-3 10X	0.67277	3640	759296	0.347	13-Jan-09	14:48:48	2
67	13JAN08A 67	ZZZZZZ	0.85146	4384	742493	0.314	13-Jan-09	14:51:56	2
68	13JAN08A 68	0901031-4 10X	0.30469	1820	732882	1.428	13-Jan-09	14:55:05	2
69	13JAN08A 69	0901031-6 10X	0.72880	3835	745682	0.371	13-Jan-09	14:58:14	2
70	13JAN08A 70	ZZZZZZ	0.85064	4407	747031	0.287	13-Jan-09	15:01:24	2
71	13JAN08A 71	ZZZZZZ	0.84114	4355	745658	0.407	13-Jan-09	15:04:33	2
72	13JAN08A 72	0901046-4 10X	0.87359	4470	739887	0.425	13-Jan-09	15:07:43	2
73	13JAN08A 73	0901046-6 10X	0.82998	4245	735535	0.488	13-Jan-09	15:10:53	2
74	13JAN08A 74	0901046-8 10X	0.33083	1988	750615	1.305	13-Jan-09	15:14:04	2
75	13JAN08A 75	CCV	3.9110	17481	729507	0.151	13-Jan-09	15:17:13	2
76	13JAN08A 76	CCB	0	376	702976	1.977	13-Jan-09	15:20:20	2
77	13JAN08A 77	ZZZZZZ	0.42798	2391	733254	1.018	13-Jan-09	15:23:27	2
78	13JAN08A 78	0901031-2 10X	0.87761	4487	739654	0.348	13-Jan-09	15:37:14	2
79	13JAN08A 79	0901046-2 10X	0.88063	4466	733929	0.445	13-Jan-09	15:40:22	2
80	13JAN08A 80	0901044-1 100X	0.15425	1133	740655	1.372	13-Jan-09	15:43:31	2
81	13JAN08A 81	0901046-10 100X	0.11365	940	739328	1.922	13-Jan-09	15:46:41	2
82	13JAN08A 82	0901040-2 100X	0.34398	1925	704745	0.791	13-Jan-09	15:51:32	2
83	13JAN08A 83	0901040-2D 100X	0.38238	2036	684684	0.626	13-Jan-09	15:54:39	2
84	13JAN08A 84	0901040-2L 500X	0.099396	854	723316	2.153	13-Jan-09	15:57:48	2
85	13JAN08A 85	0901040-2MS 100X	0.65160	3285	704652	0.463	13-Jan-09	16:00:57	2
86	13JAN08A 86	0901040-2MSD 100X	0.75409	3701	698275	0.430	13-Jan-09	16:04:06	2
87	13JAN08A 87	CCV	4.0907	17876	715683	0.139	13-Jan-09	16:07:15	2
88	13JAN08A 88	CCB	0.0058718	406	695412	1.348	13-Jan-09	16:10:23	2
89	13JAN08A 89	ICSA_CEC	0.051108	651	745891	2.816	13-Jan-09	16:26:06	2
90	13JAN08A 90	ICSAE_CEC	4.0308	18448	748707	0.142	13-Jan-09	16:29:12	2
91	13JAN08A 91	IP090109-2MB 10X	0	299	694738	2.371	13-Jan-09	16:32:18	2
92	13JAN08A 92	IM090109-2LCS 10X	3.9560	17097	705978	0.141	13-Jan-09	16:35:25	2
93	13JAN08A 93	0901021-4 10X	0.095798	869	750592	1.675	13-Jan-09	16:38:32	2

①=do not use for AS

Quantify Compound Summary Report
13JAN09A

Sample List: D:\Masslynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\Masslynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 19: 75As

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
94	13JAN08A 94	0901017-1 10X	0.21375	1401	734464	1.011	13-Jan-09	16:41:40	2
95	13JAN08A 95	0901017-2 10X	0.20658	1371	736279	0.663	13-Jan-09	16:44:47	2
96	13JAN08A 96	IP090112-2MB 10X	0	298	690944	2.418	13-Jan-09	16:50:21	2
97	13JAN08A 97	IM090112-2LCS 10X	3.8972	16974	710656	0.132	13-Jan-09	16:53:27	2
98	13JAN08A 98	CCV	4.0632	17807	717382	0.137	13-Jan-09	16:56:33	2
99	13JAN08A 99	CCB	0.036762	559	715567	2.883	13-Jan-09	17:01:51	2
100	13JAN08A 100	0901040-1 10X	0.21550	1441	751058	0.780	13-Jan-09	17:04:58	2
101	13JAN08A 101	0901040-2 10X	0.12487	1017	757318	1.153	13-Jan-09	17:08:05	2
102	13JAN08A 102	0901040-2D 10X	0.055845	685	758575	2.479	13-Jan-09	17:11:13	2
103	13JAN08A 103	0901040-2L 10X	0	394	737978	1.541	13-Jan-09	17:14:22	2
104	13JAN08A 104	0901040-2MS 10X	3.9422	18275	757062	0.126	13-Jan-09	17:17:30	2
105	13JAN08A 105	0901040-2MSD 10X	3.9864	18715	767348	0.111	13-Jan-09	17:20:36	2
106	13JAN08A 106	0901040-3 10X	1.4905	7535	767395	0.251	13-Jan-09	17:23:42	2
107	13JAN08A 107	0901040-4 10X	0.48862	2778	762787	0.495	13-Jan-09	17:26:49	2
108	13JAN08A 108	0901040-5 10X	1.0040	5176	755991	0.249	13-Jan-09	17:29:56	2
109	13JAN08A 109	CCV	4.0751	18530	744495	0.126	13-Jan-09	17:33:04	2
110	13JAN08A 110	CCB	0.010245	446	729018	2.978	13-Jan-09	17:38:22	2
111	13JAN08A 111	IP090112-5MB 10X	0	303	689338	2.076	13-Jan-09	17:41:28	2
112	13JAN08A 112	IM090112-5LCS 10X	4.0374	17582	712495	0.146	13-Jan-09	17:44:34	2
113	13JAN08A 113	0901050-1 10X	9.5139	37391	685964	0.192	13-Jan-09	17:47:42	2
114	13JAN08A 114	0901050-2 10X	8.0441	32896	706048	0.256	13-Jan-09	17:50:51	2
115	13JAN08A 115	0901050-2D 10X	8.3289	33647	699183	0.246	13-Jan-09	17:54:00	2
116	13JAN08A 116	0901050-2L 50X	1.4182	6660	709981	0.379	13-Jan-09	17:57:09	2
117	13JAN08A 117	0901050-2MS 10X	13.531	52902	688268	0.193	13-Jan-09	18:02:30	2
118	13JAN08A 118	0901050-2MSD 10X	13.021	51581	697786	0.186	13-Jan-09	18:05:38	2
119	13JAN08A 119	0901050-2A 10X	13.136	52611	705396	0.191	13-Jan-09	18:08:45	2
120	13JAN08A 120	0901050-3 10X	8.5284	33951	690106	0.288	13-Jan-09	18:11:51	2
121	13JAN08A 121	CCV	4.0455	17193	695436	0.153	13-Jan-09	18:16:40	2
122	13JAN08A 122	CCB	0	360	685638	1.520	13-Jan-09	18:24:59	2
123	13JAN08A 123	0901050-4 10X	7.7382	31575	702511	0.313	13-Jan-09	18:28:06	2
124	13JAN08A 124	0901050-5 10X	8.0376	32726	702930	0.344	13-Jan-09	18:31:12	2

①=do not use for AS

Quantify Compound Summary Report

13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 19: 75As

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
125	13JAN08A 125	IP090112-3MB 10X 10X	0	357	668975	1.902	13-Jan-09	18:34:19	2
126	13JAN08A 126	IP090112-3LCS 10X	3.9907	16747	685987	0.151	13-Jan-09	18:39:39	2
127	13JAN08A 127	IP090112-3LCS 10X	3.9961	16677	682263	0.141	13-Jan-09	18:42:48	2
128	13JAN08A 128	0901033-1 10X	9.2387	35065	661318	0.272	13-Jan-09	18:45:57	2
129	13JAN08A 129	0901033-1L 50X	1.8560	8320	692154	0.422	13-Jan-09	18:49:06	2
130	13JAN08A 130	0901033-1A 10X	14.255	52177	643258	0.198	13-Jan-09	18:52:15	2
131	13JAN08A 131	0901033-2 10X	7.7024	29471	658525	0.284	13-Jan-09	18:55:26	2
132	13JAN08A 132	0901033-3 200X	0.51872	2706	706397	0.735	13-Jan-09	18:58:34	2
133	13JAN08A 133	CCV	4.0086	17089	697111	0.162	13-Jan-09	19:01:41	2
134	13JAN08A 134	CCB	0.041087	541	668882	2.965	13-Jan-09	19:06:59	2
135	13JAN08A 135	0901033-4 50X	1.7069	7604	683474	0.494	13-Jan-09	19:10:04	2
136	13JAN08A 136	0901033-5 10X	7.5230	28398	648541	0.299	13-Jan-09	19:13:10	2
137	13JAN08A 137	0901033-6 10X	6.9777	27156	664832	0.314	13-Jan-09	19:16:17	2
138	13JAN08A 138	0901033-7 10X	8.2082	31293	659154	0.281	13-Jan-09	19:19:25	2
139	13JAN08A 139	0901033-8 50X	1.6709	7565	693481	0.473	13-Jan-09	19:22:34	2
140	13JAN08A 140	CCV	4.0936	16964	678726	0.162	13-Jan-09	19:25:42	2
141	13JAN08A 141	CCB	0.070112	669	673024	2.683	13-Jan-09	19:31:02	2
142	13JAN08A 142	RINSE							

Quantify Compound Summary Report
13JAN09A

Sample List: D:\Masslynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\Masslynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 3: 78Se

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	13JAN08A 01	RINSE	0.0081802	101	719546	4.120	13-Jan-09	11:08:38	2
2	13JAN08A 02	RINSE	0.0021024	94	722339	3.852	13-Jan-09	11:10:58	2
3	13JAN08A 03	RINSE	0.011404	105	720198	3.792	13-Jan-09	11:13:35	2
4	13JAN08A 04	RINSE	0.012477	105	711378	4.257	13-Jan-09	11:16:12	2
5	13JAN08A 05	0 STD	0.012762	105	709074	3.920	13-Jan-09	11:19:18	2
6	13JAN08A 06	L/100 STD	0.018962	113	712844	3.489	13-Jan-09	11:22:24	2
7	13JAN08A 07	L/20 STD	0.063990	170	725434	2.468	13-Jan-09	11:25:30	2
8	13JAN08A 08	L/10 STD	0.13130	253	727622	1.909	13-Jan-09	11:28:36	2
9	13JAN08A 09	LOW/2 STD	1.1057	1419	712239	0.697	13-Jan-09	11:31:43	2
10	13JAN08A 10	LOW STD	2.0446	2567	716381	0.453	13-Jan-09	11:34:50	2
11	13JAN08A 11	MID STD	3.9592	4928	719779	0.288	13-Jan-09	11:37:57	2
12	13JAN08A 12	HIGH/2 STD	9.9939	12803	739794	0.205	13-Jan-09	11:41:16	2
13	13JAN08A 13	HIGH STD	20.002	25655	727273	0.140	13-Jan-09	11:44:51	2
14	13JAN08A 14	HIGH STD READBACK	19.586	25225	730903	0.143	13-Jan-09	11:48:42	2
15	13JAN08A 15	ICV	5.1132	6283	711866	0.231	13-Jan-09	11:52:32	2
16	13JAN08A 16	ICB	0.023424	118	710703	2.801	13-Jan-09	11:59:33	2
17	13JAN08A 17	CRI_L/100	0.035193	133	715636	3.415	13-Jan-09	12:02:41	2
18	13JAN08A 18	CRI_L/20	0.078115	184	712820	2.648	13-Jan-09	12:05:48	2
19	13JAN08A 19	ICSA	0.053474	138	637021	3.309	13-Jan-09	12:08:55	2
20	13JAN08A 20	ICSAB	4.2658	4691	636370	0.327	13-Jan-09	12:12:01	2
21	13JAN08A 21	IP090109-2MB 10X	0.016786	111	716800	3.917	13-Jan-09	12:15:07	2
22	13JAN08A 22	IM090109-2ICS 10X	4.0849	5143	728297	0.229	13-Jan-09	12:19:27	2
23	13JAN08A 23	0901019-2 10X	0.033722	135	736210	3.251	13-Jan-09	12:22:34	2
24	13JAN08A 24	0901019-2D 10X	0.026210	124	726319	3.368	13-Jan-09	12:25:42	2
25	13JAN08A 25	0901019-2L 50X	0.014671	110	727063	3.159	13-Jan-09	12:28:50	2
26	13JAN08A 26	0901019-2MS 10X	4.1562	5245	730112	0.249	13-Jan-09	12:31:58	2
27	13JAN08A 27	CCV	3.9663	4987	727110	0.316	13-Jan-09	12:35:07	2
28	13JAN08A 28	CCB	0.023019	117	707584	3.377	13-Jan-09	12:38:14	2
29	13JAN08A 29	0901019-2MSD 10X	4.2671	5331	722967	0.275	13-Jan-09	12:41:20	2
30	13JAN08A 30	0901017-1 10X	0.031701	127	705676	3.077	13-Jan-09	12:44:29	2
31	13JAN08A 31	0901017-2 10X	0.028423	126	722269	3.036	13-Jan-09	12:49:20	2

①-do not use for Se

Quantify Compound Summary Report

13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 3: 78Se

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
32	13JAN08A 32	0901021-4 10X ①	0.14662	215	575604	2.476	13-Jan-09	12:52:28	2
33	13JAN08A 33	0901021-11 10X	0.040590	137	702790	3.272	13-Jan-09	12:55:35	2
34	13JAN08A 34	0901021-17 10X	0.027017	123	714775	3.381	13-Jan-09	12:58:42	2
35	13JAN08A 35	0901021-24 10X	0.019497	115	721362	3.699	13-Jan-09	13:01:48	2
36	13JAN08A 36	0901030-4 10X	0.020287	116	721618	3.482	13-Jan-09	13:04:55	2
37	13JAN08A 37	IP090112-2MB 10X ①	0.026768	120	699043	3.365	13-Jan-09	13:14:00	2
38	13JAN08A 38	IM090112-2LCS 10X	4.0684	5022	714007	0.329	13-Jan-09	13:17:07	2
39	13JAN08A 39	CCV	4.0494	5031	718615	0.285	13-Jan-09	13:20:15	2
40	13JAN08A 40	CCB	0.024028	118	706374	3.269	13-Jan-09	13:23:23	2
41	13JAN08A 41	0901040-1 10X	1.2731	1343	590196	0.710	13-Jan-09	13:26:29	2
42	13JAN08A 42	0901040-2 10X	0.86563	901	567901	2.192	13-Jan-09	13:29:37	2
43	13JAN08A 43	0901040-2D 10X	1.0890	1112	566179	1.666	13-Jan-09	13:32:46	2
44	13JAN08A 44	0901040-2L 50X	0.11060	211	674467	2.482	13-Jan-09	13:35:56	2
45	13JAN08A 45	0901040-2MS 10X	4.8191	4875	585891	0.372	13-Jan-09	13:39:06	2
46	13JAN08A 46	0901040-2MSD 10X	4.8469	5022	600111	0.371	13-Jan-09	13:42:14	2
47	13JAN08A 47	0901040-3 10X	2.0650	2202	608652	0.564	13-Jan-09	13:45:22	2
48	13JAN08A 48	0901040-4 10X	0.92840	1147	677655	1.255	13-Jan-09	13:48:29	2
49	13JAN08A 49	0901040-5 10X	0.35342	480	664786	2.841	13-Jan-09	13:51:37	2
50	13JAN08A 50	IP090109-4MB 10X	0.027620	132	762578	2.693	13-Jan-09	13:54:45	2
51	13JAN08A 51	CCV	3.7379	4891	756178	0.266	13-Jan-09	14:01:45	2
52	13JAN08A 52	CCB	0.016906	113	728762	3.787	13-Jan-09	14:04:52	2
53	13JAN08A 53	IM090109-4LCS 10X	4.0764	5280	749242	0.296	13-Jan-09	14:07:59	2
54	13JAN08A 54	0901042-3 10X	0.057947	170	758365	3.312	13-Jan-09	14:11:07	2
55	13JAN08A 55	0901042-3D 10X	0.049308	159	758528	2.480	13-Jan-09	14:14:16	2
56	13JAN08A 56	0901042-3L 50X	0.017738	120	766976	2.765	13-Jan-09	14:17:25	2
57	13JAN08A 57	0901042-3MS 10X	4.2268	5387	737466	0.285	13-Jan-09	14:20:34	2
58	13JAN08A 58	0901042-3MSD 10X	4.2198	5388	738816	0.225	13-Jan-09	14:23:44	2
59	13JAN08A 59	0901042-4 10X	0.048719	156	747753	2.452	13-Jan-09	14:26:55	2
60	13JAN08A 60	0901042-9 10X	0.040694	147	753408	3.144	13-Jan-09	14:30:03	2
61	13JAN08A 61	0901042-10 10X	0.043850	153	763369	2.893	13-Jan-09	14:33:10	2
62	13JAN08A 62	0901007-1 10X	0.035609	138	739747	3.024	13-Jan-09	14:36:18	2

① = do not use for Se

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 3: 78Se

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
63	13JAN08A 63	CCV	3.9117	4995	738327	0.332	13-Jan-09	14:39:26	2
64	13JAN08A 64	CCB	0.012381	106	718941	3.943	13-Jan-09	14:42:33	2
65	13JAN08A 65	0901020-2 10X	0.032592	137	754944	3.102	13-Jan-09	14:45:41	2
66	13JAN08A 66	0901020-3 10X	0.026500	130	759296	2.941	13-Jan-09	14:48:48	2
67	13JAN08A 67	ZZZZZZ	0.016003	114	742493	3.045	13-Jan-09	14:51:56	2
68	13JAN08A 68	0901031-4 10X	0.027733	127	732882	5.178	13-Jan-09	14:55:05	2
69	13JAN08A 69	0901031-6 10X	0.029152	131	745682	3.474	13-Jan-09	14:58:14	2
70	13JAN08A 70	ZZZZZZ	0.047248	154	747031	2.957	13-Jan-09	15:01:24	2
71	13JAN08A 71	ZZZZZZ	0.014819	113	745658	3.454	13-Jan-09	15:04:33	2
72	13JAN08A 72	0901046-4 10X	0.015521	113	739887	4.028	13-Jan-09	15:07:43	2
73	13JAN08A 73	0901046-6 10X	0.023325	122	735535	3.291	13-Jan-09	15:10:53	2
74	13JAN08A 74	0901046-8 10X	0.026884	129	750615	5.126	13-Jan-09	15:14:04	2
75	13JAN08A 75	CCV	3.8914	4910	729507	0.327	13-Jan-09	15:17:13	2
76	13JAN08A 76	CCB	0.022819	116	702976	3.710	13-Jan-09	15:20:20	2
77	13JAN08A 77	ZZZZZZ	0.060077	167	733254	3.402	13-Jan-09	15:23:27	2
78	13JAN08A 78	0901031-2 10X	0.021170	120	739654	3.011	13-Jan-09	15:37:14	2
79	13JAN08A 79	0901046-2 10X	0.018685	116	733929	3.302	13-Jan-09	15:40:22	2
80	13JAN08A 80	0901044-1 100X	0.021842	121	740655	3.296	13-Jan-09	15:43:31	2
81	13JAN08A 81	0901046-10 100X	0.012376	109	739328	3.458	13-Jan-09	15:46:41	2
82	13JAN08A 82	0901040-2 100X	0.052909	152	704745	3.243	13-Jan-09	15:51:32	2
83	13JAN08A 83	0901040-2D 100X	0.064467	161	684684	2.380	13-Jan-09	15:54:39	2
84	13JAN08A 84	0901040-2L 500X	0.019241	115	723316	3.612	13-Jan-09	15:57:48	2
85	13JAN08A 85	0901040-2MS 100X	0.29888	444	704652	1.130	13-Jan-09	16:00:57	2
86	13JAN08A 86	0901040-2MSD 100X	0.33457	482	698275	2.496	13-Jan-09	16:04:06	2
87	13JAN08A 87	CCV	3.9854	4932	715683	0.299	13-Jan-09	16:07:15	2
88	13JAN08A 88	CCB	0.021323	113	695412	3.343	13-Jan-09	16:10:23	2
89	13JAN08A 89	ICSA_CEC	0.014791	113	745891	3.643	13-Jan-09	16:26:06	2
90	13JAN08A 90	ICSA_CEC	4.0520	5245	748707	0.254	13-Jan-09	16:29:12	2
91	13JAN08A 91	IP090109-2MCS 10X	0.014577	105	694738	4.142	13-Jan-09	16:32:18	2
92	13JAN08A 92	IM090109-2LCS 10X	4.0258	4914	705978	0.264	13-Jan-09	16:35:25	2
93	13JAN08A 93	0901021-4 10X	0.025305	127	750592	3.279	13-Jan-09	16:38:32	2

Do not use for Se

Quantify Compound Summary Report
13JAN09A

Sample List: D:\Masslynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\Masslynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 3: 78Se

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
94	13JAN08A 94	0901017-1 10X	0.021043	119	734464	3.179	13-Jan-09	16:41:40	2
95	13JAN08A 95	0901017-2 10X	0.016773	114	736279	3.479	13-Jan-09	16:44:47	2
96	13JAN08A 96	IP090112-2MB 10X	0.022806	114	690944	4.002	13-Jan-09	16:50:21	2
97	13JAN08A 97	IM090112-2LCS 10X	3.9735	4883	710656	0.298	13-Jan-09	16:53:27	2
98	13JAN08A 98	CCV	4.0516	5025	717382	0.339	13-Jan-09	16:56:33	2
99	13JAN08A 99	CCB	0.016114	110	715567	2.951	13-Jan-09	17:01:51	2
100	13JAN08A 100	0901040-1 10X	0.045802	153	751058	2.879	13-Jan-09	17:04:58	2
101	13JAN08A 101	0901040-2 10X	0.022844	125	757318	2.710	13-Jan-09	17:08:05	2
102	13JAN08A 102	0901040-2D 10X	0.031294	136	758575	3.531	13-Jan-09	17:11:13	2
103	13JAN08A 103	0901040-2L 10X	0.015756	113	737978	3.835	13-Jan-09	17:14:22	2
104	13JAN08A 104	0901040-2MS 10X	3.6369	4766	757062	0.292	13-Jan-09	17:17:30	2
105	13JAN08A 105	0901040-2MSD 10X	3.6699	4874	767348	0.312	13-Jan-09	17:20:36	2
106	13JAN08A 106	0901040-3 10X	0.040904	150	767395	2.868	13-Jan-09	17:23:42	2
107	13JAN08A 107	0901040-4 10X	0.13268	267	762787	2.038	13-Jan-09	17:26:49	2
108	13JAN08A 108	0901040-5 10X	0.085856	205	755991	2.094	13-Jan-09	17:29:56	2
109	13JAN08A 109	CCV	3.6716	4731	744495	0.265	13-Jan-09	17:33:04	2
110	13JAN08A 110	CCB	0.024205	122	729018	3.219	13-Jan-09	17:38:22	2
111	13JAN08A 111	IP090112-5MB 10X	0.027342	119	689338	2.783	13-Jan-09	17:41:28	2
112	13JAN08A 112	IM090112-5LCS 10X	4.0731	5017	712495	0.293	13-Jan-09	17:44:34	2
113	13JAN08A 113	0901050-1 10X	0.27187	401	685964	1.779	13-Jan-09	17:47:42	2
114	13JAN08A 114	0901050-2 10X	0.84201	1092	706048	1.629	13-Jan-09	17:50:51	2
115	13JAN08A 115	0901050-2D 10X	0.69518	908	699183	2.324	13-Jan-09	17:54:00	2
116	13JAN08A 116	0901050-2L 50X	0.076218	181	709981	3.178	13-Jan-09	17:57:09	2
117	13JAN08A 117	0901050-2MS 10X	4.9850	5923	688268	0.549	13-Jan-09	18:02:30	2
118	13JAN08A 118	0901050-2MSD 10X	4.7156	5682	697786	0.597	13-Jan-09	18:05:38	2
119	13JAN08A 119	0901050-2A 10X	5.4881	6681	705396	0.547	13-Jan-09	18:08:45	2
120	13JAN08A 120	0901050-3 10X	0.56880	749	690106	2.967	13-Jan-09	18:11:51	2
121	13JAN08A 121	CCV	4.0076	4819	695436	0.299	13-Jan-09	18:16:40	2
122	13JAN08A 122	CCB	0.028761	120	685638	3.461	13-Jan-09	18:24:59	2
123	13JAN08A 123	0901050-4 10X	0.82640	1068	702511	1.663	13-Jan-09	18:28:06	2
124	13JAN08A 124	0901050-5 10X	1.1785	1487	702930	1.664	13-Jan-09	18:31:12	2

① = do not use for Se

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
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Compound 3: 78Se

#	File name	Sample ID	ppb	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
125	13JAN08A 125	IP090112-3MB 10X	0.024248	112	668975	3.645	13-Jan-09	18:34:19	2
126	13JAN08A 126	IP090112-3LCS 10X	4.0821	4841	685987	0.249	13-Jan-09	18:39:39	2
127	13JAN08A 127	IP090112-3LCS 10X	4.1363	4878	682263	0.357	13-Jan-09	18:42:48	2
128	13JAN08A 128	0901033-1 10X	5.4771	6251	661318	0.629	13-Jan-09	18:45:57	2
129	13JAN08A 129	0901033-1L 50X	1.1766	1462	692154	1.021	13-Jan-09	18:49:06	2
130	13JAN08A 130	0901033-1A 10X	9.5079	10584	643258	0.453	13-Jan-09	18:52:15	2
131	13JAN08A 131	0901033-2 10X	2.3319	2681	658525	0.918	13-Jan-09	18:55:26	2
132	13JAN08A 132	0901033-3 200X	0.11145	222	706397	2.182	13-Jan-09	18:58:34	2
133	13JAN08A 133	CCV	3.9459	4757	697111	0.276	13-Jan-09	19:01:41	2
134	13JAN08A 134	CCB	0.030477	119	668882	3.826	13-Jan-09	19:06:59	2
135	13JAN08A 135	0901033-4 50X	0.64179	826	683474	1.403	13-Jan-09	19:10:04	2
136	13JAN08A 136	0901033-5 10X	1.5283	1756	648541	1.183	13-Jan-09	19:13:10	2
137	13JAN08A 137	0901033-6 10X	3.5899	4132	664832	0.808	13-Jan-09	19:16:17	2
138	13JAN08A 138	0901033-7 10X	2.9010	3322	659154	0.868	13-Jan-09	19:19:25	2
139	13JAN08A 139	0901033-8 50X	0.81251	1038	693481	1.309	13-Jan-09	19:22:34	2
140	13JAN08A 140	CCV	4.0161	4713	678726	0.273	13-Jan-09	19:25:42	2
141	13JAN08A 141	CCB	0.031592	121	673024	3.275	13-Jan-09	19:31:02	2
142	13JAN08A 142	RINSE							

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
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 Last modified: Tue Jan 13 11:05:10 2009
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Compound 6: 1Cadmium

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	13JAN08A 01	RINSE	0.0031003	35	747427	0.000	13-Jan-09	11:08:38	1
2	13JAN08A 02	RINSE	0.0020905	29	748055	0.000	13-Jan-09	11:10:58	1
3	13JAN08A 03	RINSE	0.0033209	36	740771	0.000	13-Jan-09	11:13:35	1
4	13JAN08A 04	RINSE	0.0028801	33	732114	0.000	13-Jan-09	11:16:12	1
5	13JAN08A 05	0 STD	0.0022406	29	725341	0.000	13-Jan-09	11:19:18	1
6	13JAN08A 06	L/100 STD	0.012914	93	742307	0.000	13-Jan-09	11:22:24	1
7	13JAN08A 07	L/20 STD	0.035928	231	747636	0.000	13-Jan-09	11:25:30	1
8	13JAN08A 08	L/10 STD	0.070285	437	749731	0.000	13-Jan-09	11:28:36	1
9	13JAN08A 09	LOW/2 STD	0.52195	3121	736512	0.000	13-Jan-09	11:31:43	1
10	13JAN08A 10	LOW STD	1.0100	6099	737047	0.000	13-Jan-09	11:34:50	1
11	13JAN08A 11	MID STD	2.0251	12472	736675	0.000	13-Jan-09	11:37:57	1
12	13JAN08A 12	HIGH/2 STD	4.9789	32096	739887	0.000	13-Jan-09	11:41:16	1
13	13JAN08A 13	HIGH STD	10.005	65526	746333	0.000	13-Jan-09	11:44:51	1
14	13JAN08A 14	HIGH STD READBACK	10.115	66192	746263	0.000	13-Jan-09	11:48:42	1
15	13JAN08A 15	ICV	2.5480	15765	733184	0.000	13-Jan-09	11:52:32	1
16	13JAN08A 16	ICB	0.0028987	33	722502	0.000	13-Jan-09	11:59:33	1
17	13JAN08A 17	CRI_L/100	0.012585	90	732253	0.000	13-Jan-09	12:02:41	1
18	13JAN08A 18	CRI_L/20	0.036806	231	733091	0.000	13-Jan-09	12:05:48	1
19	13JAN08A 19	ICSA	0.0013364	22	678610	0.000	13-Jan-09	12:08:55	1
20	13JAN08A 20	ICSAB	1.9802	11333	685149	0.000	13-Jan-09	12:12:01	1
21	13JAN08A 21	IP090109-2MB 10X	0.0029064	33	729088	0.000	13-Jan-09	12:15:07	1
22	13JAN08A 22	IM090109-2LCS 10X	2.0617	12704	736535	0.000	13-Jan-09	12:19:27	1
23	13JAN08A 23	0901019-2 10X	0.0044778	43	750080	0.000	13-Jan-09	12:22:34	1
24	13JAN08A 24	0901019-2D 10X	0.0045416	43	738420	0.000	13-Jan-09	12:25:42	1
25	13JAN08A 25	0901019-2L 50X	0.0032038	35	739863	0.000	13-Jan-09	12:28:50	1
26	13JAN08A 26	0901019-2MS 10X	2.0041	12503	746543	0.000	13-Jan-09	12:31:58	1
27	13JAN08A 27	CCV	2.0447	12668	740818	0.000	13-Jan-09	12:35:07	1
28	13JAN08A 28	CCB	0.0033935	35	722642	0.000	13-Jan-09	12:38:14	1
29	13JAN08A 29	0901019-2MSD 10X	1.9802	12299	743540	0.000	13-Jan-09	12:41:20	1
30	13JAN08A 30	0901017-1 10X	0.0035983	37	726388	0.000	13-Jan-09	12:44:29	1
31	13JAN08A 31	0901017-2 10X	0.0034954	37	738304	0.000	13-Jan-09	12:49:20	1

Quantify Compound Summary Report
13JAN09A

Sample List: D:\Masslynx Projects\AUG2002.PRO\SampleDB\13JAN09A
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Compound 6: 1Cadmium

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
32	13JAN08A 32	0901021-4 10X	0.018305	105	626502	0.000	13-Jan-09	12:52:28	1
33	13JAN08A 33	0901021-11 10X	0.0034087	36	736861	0.000	13-Jan-09	12:55:35	1
34	13JAN08A 34	0901021-17 10X	0.0052737	47	735767	0.000	13-Jan-09	12:58:42	1
35	13JAN08A 35	0901021-24 10X	0.0040162	40	737699	0.000	13-Jan-09	13:01:48	1
36	13JAN08A 36	0901030-4 10X	0.0027834	32	731090	0.000	13-Jan-09	13:04:55	1
37	13JAN08A 37	IP090112-2MB 10X	0.0014567	24	707933	0.000	13-Jan-09	13:14:00	1
38	13JAN08A 38	IM090112-2LCS 10X	2.0354	12248	719616	0.000	13-Jan-09	13:17:07	1
39	13JAN08A 39	CCV	1.9990	12120	725574	0.000	13-Jan-09	13:20:15	1
40	13JAN08A 40	CCB	0.0026813	31	706676	0.000	13-Jan-09	13:23:23	1
41	13JAN08A 41	0901040-1 10X	0.010225	66	640861	0.000	13-Jan-09	13:26:29	1
42	13JAN08A 42	0901040-2 10X	0.0099489	63	618194	0.000	13-Jan-09	13:29:37	1
43	13JAN08A 43	0901040-2D 10X	0.0084462	55	615308	0.000	13-Jan-09	13:32:46	1
44	13JAN08A 44	0901040-2L 50X	0.0049654	44	712215	0.000	13-Jan-09	13:35:56	1
45	13JAN08A 45	0901040-2MS 10X	1.6842	8943	639325	0.000	13-Jan-09	13:39:06	1
46	13JAN08A 46	0901040-2MSD 10X	1.7689	9534	647843	0.000	13-Jan-09	13:42:14	1
47	13JAN08A 47	0901040-3 10X	0.0056250	44	655732	0.000	13-Jan-09	13:45:22	1
48	13JAN08A 48	0901040-4 10X	0.0029287	33	719081	0.000	13-Jan-09	13:48:29	1
49	13JAN08A 49	0901040-5 10X	0.0047665	43	717871	0.000	13-Jan-09	13:51:37	1
50	13JAN08A 50	IP090109-4MB 10X	0.0019403	29	769583	0.000	13-Jan-09	13:54:45	1
51	13JAN08A 51	CCV	2.0207	12885	762787	0.000	13-Jan-09	14:01:45	1
52	13JAN08A 52	CCB	0.0031230	35	740445	0.000	13-Jan-09	14:04:52	1
53	13JAN08A 53	IM090109-4LCS 10X	2.0834	13256	760250	0.000	13-Jan-09	14:07:59	1
54	13JAN08A 54	0901042-3 10X	0.044397	290	772259	0.000	13-Jan-09	14:11:07	1
55	13JAN08A 55	0901042-3D 10X	0.044549	295	780870	0.000	13-Jan-09	14:14:16	1
56	13JAN08A 56	0901042-3L 50X	0.011514	88	777821	0.000	13-Jan-09	14:17:25	1
57	13JAN08A 57	0901042-3MS 10X	2.0927	13275	757807	0.000	13-Jan-09	14:20:34	1
58	13JAN08A 58	0901042-3MSD 10X	2.0592	13037	756829	0.000	13-Jan-09	14:23:44	1
59	13JAN08A 59	0901042-4 10X	0.022081	151	764370	0.000	13-Jan-09	14:26:55	1
60	13JAN08A 60	0901042-9 10X	0.029007	196	774214	0.000	13-Jan-09	14:30:03	1
61	13JAN08A 61	0901042-10 10X	0.019285	137	779078	0.000	13-Jan-09	14:33:10	1
62	13JAN08A 62	0901007-1 10X	0.0089895	70	747916	0.000	13-Jan-09	14:36:18	1

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
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 Last modified: Tue Jan 13 11:05:10 2009
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Compound 6: 1Cadmium

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
63	13JAN08A 63	CCV	2.0201	12516	741213	0.000	13-Jan-09	14:39:26	1
64	13JAN08A 64	CCB	0.0036946	38	732439	0.000	13-Jan-09	14:42:33	1
65	13JAN08A 65	0901020-2 10X	0.017442	123	765300	0.000	13-Jan-09	14:45:41	1
66	13JAN08A 66	0901020-3 10X	0.033829	222	759971	0.000	13-Jan-09	14:48:48	1
67	13JAN08A 67	ZZZZZZ	0.0035924	38	748730	0.000	13-Jan-09	14:51:56	1
68	13JAN08A 68	0901031-4 10X	0.0047875	45	743680	0.000	13-Jan-09	14:55:05	1
69	13JAN08A 69	0901031-6 10X	0.0013389	25	753641	0.000	13-Jan-09	14:58:14	1
70	13JAN08A 70	ZZZZZZ	0.014434	104	762345	0.000	13-Jan-09	15:01:24	1
71	13JAN08A 71	ZZZZZZ	0.0036659	39	757178	0.000	13-Jan-09	15:04:33	1
72	13JAN08A 72	0901046-4 10X	0.0026776	32	744634	0.000	13-Jan-09	15:07:43	1
73	13JAN08A 73	0901046-6 10X	0.0021975	29	739119	0.000	13-Jan-09	15:10:53	1
74	13JAN08A 74	0901046-8 10X	0.0091906	72	754432	0.000	13-Jan-09	15:14:04	1
75	13JAN08A 75	CCV	2.0359	12497	734092	0.000	13-Jan-09	15:17:13	1
76	13JAN08A 76	CCB	0.0042920	40	706979	0.000	13-Jan-09	15:20:20	1
77	13JAN08A 77	ZZZZZZ	0.76378	4642	745449	0.000	13-Jan-09	15:23:27	1
78	13JAN08A 78	0901031-2 10X	0.0026020	32	753734	0.000	13-Jan-09	15:37:14	1
79	13JAN08A 79	0901046-2 10X	0.0054780	49	742796	0.000	13-Jan-09	15:40:22	1
80	13JAN08A 80	0901044-1 100X	0.0029901	34	743564	0.000	13-Jan-09	15:43:31	1
81	13JAN08A 81	0901046-10 100X	0.053659	338	750546	0.000	13-Jan-09	15:46:41	1
82	13JAN08A 82	0901040-2 100X	0.0037750	37	720035	0.000	13-Jan-09	15:51:32	1
83	13JAN08A 83	0901040-2D 100X	0.0035524	36	707212	0.000	13-Jan-09	15:54:39	1
84	13JAN08A 84	0901040-2L 500X	0.0044212	42	730717	0.000	13-Jan-09	15:57:48	1
85	13JAN08A 85	0901040-2MS 100X	0.19624	1146	719151	0.000	13-Jan-09	16:00:57	1
86	13JAN08A 86	0901040-2MSD 100X	0.20177	1194	728948	0.000	13-Jan-09	16:04:06	1
87	13JAN08A 87	CCV	2.0281	12137	715753	0.000	13-Jan-09	16:07:15	1
88	13JAN08A 88	CCB	0.0034200	35	704931	0.000	13-Jan-09	16:10:23	1
89	13JAN08A 89	ICSA_CEC AS 50mg	0.069012	434	757108	0.000	13-Jan-09	16:26:06	1
90	13JAN08A 90	ICSA_CEC	0.12359	763	755619	0.000	13-Jan-09	16:29:12	1
91	13JAN08A 91	IP090109-2MB 10X	0.0033067	34	702092	0.000	13-Jan-09	16:32:18	1
92	13JAN08A 92	IM090109-2LCS 10X	0.0054414	46	705583	0.000	13-Jan-09	16:35:25	1
93	13JAN08A 93	0901021-4 10X	0.0028853	34	757714	0.000	13-Jan-09	16:38:32	1

Quantify Compound Summary Report
13JAN09A

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Compound 6: 1Cadmium

#	File name	Sample ID	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
94	13JAN08A 94	0901017-1 10X	21	746868	0.000	13-Jan-09	16:41:40	1
95	13JAN08A 95	0901017-2 10X	29	746450	0.000	13-Jan-09	16:44:47	1
96	13JAN08A 96	IP090112-2MB 10X	37	696413	0.000	13-Jan-09	16:50:21	1
97	13JAN08A 97	IM090112-2LCS 10X	49	713309	0.000	13-Jan-09	16:53:27	1
98	13JAN08A 98	CCV	12071	727924	0.000	13-Jan-09	16:56:33	1
99	13JAN08A 99	CCB	36	729251	0.000	13-Jan-09	17:01:51	1
100	13JAN08A 100	0901040-1 10X	41	766371	0.000	13-Jan-09	17:04:58	1
101	13JAN08A 101	0901040-2 10X	25	771956	0.000	13-Jan-09	17:08:05	1
102	13JAN08A 102	0901040-2D 10X	31	766255	0.000	13-Jan-09	17:11:13	1
103	13JAN08A 103	0901040-2L 10X	35	739863	0.000	13-Jan-09	17:14:22	1
104	13JAN08A 104	0901040-2MS 10X	44	771561	0.000	13-Jan-09	17:17:30	1
105	13JAN08A 105	0901040-2MSD 10X	31	788364	0.000	13-Jan-09	17:20:36	1
106	13JAN08A 106	0901040-3 10X	24	780195	0.000	13-Jan-09	17:23:42	1
107	13JAN08A 107	0901040-4 10X	23	770374	0.000	13-Jan-09	17:26:49	1
108	13JAN08A 108	0901040-5 10X	33	771165	0.000	13-Jan-09	17:29:56	1
109	13JAN08A 109	CCV	12622	746450	0.000	13-Jan-09	17:33:04	1
110	13JAN08A 110	CCB	38	737583	0.000	13-Jan-09	17:38:22	1
111	13JAN08A 111	IP090112-5MB 10X	37	695180	0.000	13-Jan-09	17:41:28	1
112	13JAN08A 112	IM090112-5LCS 10X	12315	707607	0.000	13-Jan-09	17:44:34	1
113	13JAN08A 113	0901050-1 10X	273	705676	0.000	13-Jan-09	17:47:42	1
114	13JAN08A 114	0901050-2 10X	644	732253	0.000	13-Jan-09	17:50:51	1
115	13JAN08A 115	0901050-2D 10X	625	728809	0.000	13-Jan-09	17:54:00	1
116	13JAN08A 116	0901050-2L 50X	143	725178	0.000	13-Jan-09	17:57:09	1
117	13JAN08A 117	0901050-2MS 10X	13049	709376	0.000	13-Jan-09	18:02:30	1
118	13JAN08A 118	0901050-2MSD 10X	13010	718848	0.000	13-Jan-09	18:05:38	1
119	13JAN08A 119	0901050-2A 10X	13512	728297	0.000	13-Jan-09	18:08:45	1
120	13JAN08A 120	0901050-3 10X	364	714170	0.000	13-Jan-09	18:11:51	1
121	13JAN08A 121	CCV	11996	704884	0.000	13-Jan-09	18:16:40	1
122	13JAN08A 122	CCB	41	694644	0.000	13-Jan-09	18:24:59	1
123	13JAN08A 123	0901050-4 10X	412	719383	0.000	13-Jan-09	18:28:06	1
124	13JAN08A 124	0901050-5 10X	779	714938	0.000	13-Jan-09	18:31:12	1

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
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Compound 6: 1Cadmium

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
125	13JAN08A 125	IP090112-3MB 10X	0.0023467	28	683218	0.000	13-Jan-09	18:34:19	1
126	13JAN08A 126	IP090112-3LCS 10X	2.0478	11795	688640	0.000	13-Jan-09	18:39:39	1
127	13JAN08A 127	IP090112-3LCS 10X	2.0437	11948	699020	0.000	13-Jan-09	18:42:48	1
128	13JAN08A 128	0901033-1 10X	0.14980	842	690409	0.000	13-Jan-09	18:45:57	1
129	13JAN08A 129	0901033-1L 50X	0	0	723735	0.000	13-Jan-09	18:49:06	1
130	13JAN08A 130	0901033-1A 10X	2.1954	12369	671837	0.000	13-Jan-09	18:52:15	1
131	13JAN08A 131	0901033-2 10X	0.081544	466	692666	0.000	13-Jan-09	18:55:26	1
132	13JAN08A 132	0901033-3 200X	0	6	723805	0.000	13-Jan-09	18:58:34	1
133	13JAN08A 133	CCV	1.9988	11799	706444	0.000	13-Jan-09	19:01:41	1
134	13JAN08A 134	CCB	0.0046531	40	679936	0.000	13-Jan-09	19:06:59	1
135	13JAN08A 135	0901033-4 50X	0	0	696413	0.000	13-Jan-09	19:10:04	1
136	13JAN08A 136	0901033-5 10X	0.069128	386	671954	0.000	13-Jan-09	19:13:10	1
137	13JAN08A 137	0901033-6 10X	0.087569	501	694132	0.000	13-Jan-09	19:16:17	1
138	13JAN08A 138	0901033-7 10X	0.062065	358	692690	0.000	13-Jan-09	19:19:25	1
139	13JAN08A 139	0901033-8 50X	0	0	719663	0.000	13-Jan-09	19:22:34	1
140	13JAN08A 140	CCV	2.0486	11674	681356	0.000	13-Jan-09	19:25:42	1
141	13JAN08A 141	CCB	0.0051440	43	684009	0.000	13-Jan-09	19:31:02	1
142	13JAN08A 142	RINSE							

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 9: 121Sb

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	13JAN08A 01	RINSE	0.00097583	429	747427	2.780	13-Jan-09	11:08:38	1
2	13JAN08A 02	RINSE	0	381	748055	1.659	13-Jan-09	11:10:58	1
3	13JAN08A 03	RINSE	0	367	740771	1.451	13-Jan-09	11:13:35	1
4	13JAN08A 04	RINSE	0	343	732114	1.809	13-Jan-09	11:16:12	1
5	13JAN08A 05	0 STD	0	320	725341	1.905	13-Jan-09	11:19:18	1
6	13JAN08A 06	L/100 STD	0.010762	639	742307	2.309	13-Jan-09	11:22:24	1
7	13JAN08A 07	L/20 STD	0.062523	1779	747636	0.702	13-Jan-09	11:25:30	1
8	13JAN08A 08	L/10 STD	0.10493	2718	749731	0.514	13-Jan-09	11:28:36	1
9	13JAN08A 09	LOW/2 STD	0.49728	11209	736512	0.180	13-Jan-09	11:31:43	1
10	13JAN08A 10	LOW STD	0.99181	22108	737047	0.107	13-Jan-09	11:34:50	1
11	13JAN08A 11	MID STD	1.9811	44221	736675	0.092	13-Jan-09	11:37:57	1
12	13JAN08A 12	HIGH/2 STD	5.0147	114428	739887	0.055	13-Jan-09	11:41:16	1
13	13JAN08A 13	HIGH STD	9.9970	230714	746333	0.046	13-Jan-09	11:44:51	1
14	13JAN08A 14	HIGH STD READBACK	9.9148	228858	746263	0.043	13-Jan-09	11:48:42	1
15	13JAN08A 15	ICV	2.4752	55156	733184	0.072	13-Jan-09	11:52:32	1
16	13JAN08A 16	ICB	0	362	722502	1.813	13-Jan-09	11:59:33	1
17	13JAN08A 17	CRI_L/100	0.012143	660	732253	2.345	13-Jan-09	12:02:41	1
18	13JAN08A 18	CRI_L/20	0.061344	1719	733091	0.651	13-Jan-09	12:05:48	1
19	13JAN08A 19	ICSA	0.033113	1029	678610	0.893	13-Jan-09	12:08:55	1
20	13JAN08A 20	ICSAB	2.0245	42041	685149	0.070	13-Jan-09	12:12:01	1
21	13JAN08A 21	IP090109-2MB 10X	0	379	729088	1.438	13-Jan-09	12:15:07	1
22	13JAN08A 22	IM090109-2LCS 10X	1.9870	44346	736535	0.070	13-Jan-09	12:19:27	1
23	13JAN08A 23	0901019-2 10X	0	370	750080	1.795	13-Jan-09	12:22:34	1
24	13JAN08A 24	0901019-2D 10X	0	339	738420	1.910	13-Jan-09	12:25:42	1
25	13JAN08A 25	0901019-2L 50X	0	312	739863	1.948	13-Jan-09	12:28:50	1
26	13JAN08A 26	0901019-2MS 10X	2.0163	45619	746543	0.082	13-Jan-09	12:31:58	1
27	13JAN08A 27	CCV	2.0317	45619	740818	0.075	13-Jan-09	12:35:07	1
28	13JAN08A 28	CCB	0	353	722642	1.676	13-Jan-09	12:38:14	1
29	13JAN08A 29	0901019-2MSD 10X	2.0003	45072	743540	0.060	13-Jan-09	12:41:20	1
30	13JAN08A 30	0901017-1 10X	0.0011203	420	726388	1.326	13-Jan-09	12:44:29	1
31	13JAN08A 31	0901017-2 10X	0.00094055	423	738304	1.425	13-Jan-09	12:49:20	1

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 9: 121Sb

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
32	13JAN08A 32	0901021-4 10X	0.023536	774	626502	2.025	13-Jan-09	12:52:28	1
33	13JAN08A 33	0901021-11 10X	0	357	736861	1.683	13-Jan-09	12:55:35	1
34	13JAN08A 34	0901021-17 10X	0	336	735767	1.665	13-Jan-09	12:58:42	1
35	13JAN08A 35	0901021-24 10X	0	325	737699	1.977	13-Jan-09	13:01:48	1
36	13JAN08A 36	0901030-4 10X	0	380	731090	1.285	13-Jan-09	13:04:55	1
37	13JAN08A 37	IP090112-2MB 10X	0	319	707933	1.847	13-Jan-09	13:14:00	1
38	13JAN08A 38	IM090112-2LCS 10X	1.9670	42887	719616	0.080	13-Jan-09	13:17:07	1
39	13JAN08A 39	CCV	2.0104	44208	725574	0.091	13-Jan-09	13:20:15	1
40	13JAN08A 40	CCB	0	352	706676	1.969	13-Jan-09	13:23:23	1
41	13JAN08A 41	0901040-1 10X	0.044985	1195	640861	0.936	13-Jan-09	13:26:29	1
42	13JAN08A 42	0901040-2 10X	0.0031378	394	618194	1.479	13-Jan-09	13:29:37	1
43	13JAN08A 43	0901040-2D 10X	0.0054576	434	615308	2.998	13-Jan-09	13:32:46	1
44	13JAN08A 44	0901040-2L 50X	0	326	712215	2.157	13-Jan-09	13:35:56	1
45	13JAN08A 45	0901040-2MS 10X	1.9211	37203	639325	0.126	13-Jan-09	13:39:06	1
46	13JAN08A 46	0901040-2MSD 10X	1.9524	38320	647843	0.141	13-Jan-09	13:42:14	1
47	13JAN08A 47	0901040-3 10X	0.041517	1156	655732	1.007	13-Jan-09	13:45:22	1
48	13JAN08A 48	0901040-4 10X	0.020911	833	719081	1.868	13-Jan-09	13:48:29	1
49	13JAN08A 49	0901040-5 10X	0.033752	1102	717871	0.949	13-Jan-09	13:51:37	1
50	13JAN08A 50	IP090109-4MB 10X	0	406	769583	3.101	13-Jan-09	13:54:45	1
51	13JAN08A 51	CCV	1.9884	45959	762787	0.086	13-Jan-09	14:01:45	1
52	13JAN08A 52	CCB	0	330	740445	1.793	13-Jan-09	14:04:52	1
53	13JAN08A 53	IM090109-4LCS 10X	2.0374	46950	760250	0.066	13-Jan-09	14:07:59	1
54	13JAN08A 54	0901042-3 10X	0.10208	2735	772259	0.474	13-Jan-09	14:11:07	1
55	13JAN08A 55	0901042-3D 10X	0.096438	2636	780870	0.513	13-Jan-09	14:14:16	1
56	13JAN08A 56	0901042-3L 50X	0.025117	997	777821	0.924	13-Jan-09	14:17:25	1
57	13JAN08A 57	0901042-3MS 10X	2.0472	47027	757807	0.080	13-Jan-09	14:20:34	1
58	13JAN08A 58	0901042-3MSD 10X	2.0708	47514	756829	0.081	13-Jan-09	14:23:44	1
59	13JAN08A 59	0901042-4 10X	0.089212	2418	764370	0.499	13-Jan-09	14:26:55	1
60	13JAN08A 60	0901042-9 10X	0.090613	2481	774214	0.568	13-Jan-09	14:30:03	1
61	13JAN08A 61	0901042-10 10X	0.080495	2265	779078	0.542	13-Jan-09	14:33:10	1
62	13JAN08A 62	0901007-1 10X	0	390	747916	1.727	13-Jan-09	14:36:18	1

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 9: 121Sb

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
63	13JAN08A 63	CCV	2.0001	44925	741213	0.079	13-Jan-09	14:39:26	1
64	13JAN08A 64	CCB	0	302	732439	2.078	13-Jan-09	14:42:33	1
65	13JAN08A 65	0901020-2 10X	0.026545	1013	765300	0.883	13-Jan-09	14:45:41	1
66	13JAN08A 66	0901020-3 10X	0.028297	1045	759971	1.061	13-Jan-09	14:48:48	1
67	13JAN08A 67	ZZZZZZ	0	294	748730	2.149	13-Jan-09	14:51:56	1
68	13JAN08A 68	0901031-4 10X	0	314	743680	3.154	13-Jan-09	14:55:05	1
69	13JAN08A 69	0901031-6 10X	0	355	753641	1.836	13-Jan-09	14:58:14	1
70	13JAN08A 70	ZZZZZZ	0.027614	1033	762345	1.852	13-Jan-09	15:01:24	1
71	13JAN08A 71	ZZZZZZ	0	385	757178	1.963	13-Jan-09	15:04:33	1
72	13JAN08A 72	0901046-4 10X	0	283	744634	2.096	13-Jan-09	15:07:43	1
73	13JAN08A 73	0901046-6 10X	0	269	739119	2.248	13-Jan-09	15:10:53	1
74	13JAN08A 74	0901046-8 10X	0	305	754432	3.364	13-Jan-09	15:14:04	1
75	13JAN08A 75	CCV	1.9777	43991	734092	0.090	13-Jan-09	15:17:13	1
76	13JAN08A 76	CCB	0	343	706979	1.382	13-Jan-09	15:20:20	1
77	13JAN08A 77	ZZZZZZ	0	290	745449	3.048	13-Jan-09	15:23:27	1
78	13JAN08A 78	0901031-2 10X	0	302	753734	1.733	13-Jan-09	15:37:14	1
79	13JAN08A 79	0901046-2 10X	0	363	742796	1.389	13-Jan-09	15:40:22	1
80	13JAN08A 80	0901044-1 100X	0	300	743564	2.247	13-Jan-09	15:43:31	1
81	13JAN08A 81	0901046-10 100X	0	316	750546	2.419	13-Jan-09	15:46:41	1
82	13JAN08A 82	0901040-2 100X <i>Mn only</i>	0	344	720035	1.920	13-Jan-09	15:51:32	1
83	13JAN08A 83	0901040-2D 100X	0	283	707212	2.271	13-Jan-09	15:54:39	1
84	13JAN08A 84	0901040-2L 500X	0	256	730717	2.850	13-Jan-09	15:57:48	1
85	13JAN08A 85	0901040-2MS 100X	0.19115	4432	719151	0.318	13-Jan-09	16:00:57	1
86	13JAN08A 86	0901040-2MSD 100X	0.19882	4657	728948	0.330	13-Jan-09	16:04:06	1
87	13JAN08A 87	CCV	1.9963	43300	715753	0.091	13-Jan-09	16:07:15	1
88	13JAN08A 88	CCB	0	273	704931	1.877	13-Jan-09	16:10:23	1
89	13JAN08A 89	ICSA_CEC <i>A5 Se only</i>	0.025277	974	757108	0.794	13-Jan-09	16:26:06	1
90	13JAN08A 90	ICSA_CEC	1.8547	42436	755619	0.068	13-Jan-09	16:29:12	1
91	13JAN08A 91	IP090109-2MB 10X	0	187	702092	3.104	13-Jan-09	16:32:18	1
92	13JAN08A 92	IM090109-2LCS 10X	1.5093	32198	705583	0.093	13-Jan-09	16:35:25	1
93	13JAN08A 93	0901021-4 10X	0.0012053	440	757714	1.494	13-Jan-09	16:38:32	1

Quantify Compound Summary Report

13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 9: 121Sb

#	File name	Sample ID	AS	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
94	13JAN08A 94	0901017-1 10X	AS	0	372	746868	1.522	13-Jan-09	16:41:40	1
95	13JAN08A 95	0901017-2 10X		0	318	746450	2.087	13-Jan-09	16:44:47	1
96	13JAN08A 96	IP090112-2MB 10X		0	180	696413	2.987	13-Jan-09	16:50:21	1
97	13JAN08A 97	IM090112-2LCS 10X		1.4941	32221	713309	0.079	13-Jan-09	16:53:27	1
98	13JAN08A 98	CCV		1.9947	44000	727924	0.069	13-Jan-09	16:56:33	1
99	13JAN08A 99	CCB		0	322	729251	1.888	13-Jan-09	17:01:51	1
100	13JAN08A 100	0901040-1 10X		0.029862	1089	766371	1.062	13-Jan-09	17:04:58	1
101	13JAN08A 101	0901040-2 10X		0.037813	1277	771956	0.721	13-Jan-09	17:08:05	1
102	13JAN08A 102	0901040-2D 10X		0.033962	1181	766255	0.930	13-Jan-09	17:11:13	1
103	13JAN08A 103	0901040-2L 10X		0	335	739863	1.952	13-Jan-09	17:14:22	1
104	13JAN08A 104	0901040-2MS 10X		1.6451	38397	771561	0.048	13-Jan-09	17:17:30	1
105	13JAN08A 105	0901040-2MSD 10X		1.6563	39501	788364	0.063	13-Jan-09	17:20:36	1
106	13JAN08A 106	0901040-3 10X		0.026513	1032	780195	1.154	13-Jan-09	17:23:42	1
107	13JAN08A 107	0901040-4 10X		0.022662	932	770374	1.171	13-Jan-09	17:26:49	1
108	13JAN08A 108	0901040-5 10X		0.034600	1203	771165	1.057	13-Jan-09	17:29:56	1
109	13JAN08A 109	CCV		1.9659	44460	746450	0.093	13-Jan-09	17:33:04	1
110	13JAN08A 110	CCB		0	362	737583	1.837	13-Jan-09	17:38:22	1
111	13JAN08A 111	IP090112-5MB 10X		0	165	695180	2.663	13-Jan-09	17:41:28	1
112	13JAN08A 112	IM090112-5LCS 10X		1.9096	40928	707607	0.070	13-Jan-09	17:44:34	1
113	13JAN08A 113	0901050-1 10X		0.085627	2158	705676	0.771	13-Jan-09	17:47:42	1
114	13JAN08A 114	0901050-2 10X		0.13314	3262	732253	0.837	13-Jan-09	17:50:51	1
115	13JAN08A 115	0901050-2D 10X		0.13576	3303	728809	0.795	13-Jan-09	17:54:00	1
116	13JAN08A 116	0901050-2L 50X		0.025233	932	725178	1.213	13-Jan-09	17:57:09	1
117	13JAN08A 117	0901050-2MS 10X		0.83392	17918	709376	0.340	13-Jan-09	18:02:30	1
118	13JAN08A 118	0901050-2MSD 10X		0.79500	17320	718848	0.332	13-Jan-09	18:05:38	1
119	13JAN08A 119	0901050-2A 10X		2.1601	47719	728297	0.206	13-Jan-09	18:08:45	1
120	13JAN08A 120	0901050-3 10X		0.13706	3264	714170	0.946	13-Jan-09	18:11:51	1
121	13JAN08A 121	CCV		1.9783	42252	704884	0.104	13-Jan-09	18:16:40	1
122	13JAN08A 122	CCB		0	300	694644	1.869	13-Jan-09	18:24:59	1
123	13JAN08A 123	0901050-4 10X		0.12219	2973	719383	1.083	13-Jan-09	18:28:06	1
124	13JAN08A 124	0901050-5 10X		0.17135	3989	714938	1.065	13-Jan-09	18:31:12	1

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 9: 121Sb

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
125	13JAN08A 125	IP090112-3MB 10X	0	217	683218	2.400	13-Jan-09	18:34:19	1
126	13JAN08A 126	IP090112-3LCS 10X	1.9916	41559	688640	0.072	13-Jan-09	18:39:39	1
127	13JAN08A 127	IP090112-3LCSD 10X	1.9672	41664	699020	0.072	13-Jan-09	18:42:48	1
128	13JAN08A 128	0901033-1 10X	0.12799	2971	690409	1.019	13-Jan-09	18:45:57	1
129	13JAN08A 129	0901033-1L 50X	0.028712	1004	723735	1.203	13-Jan-09	18:49:06	1
130	13JAN08A 130	0901033-1A 10X	2.1548	43910	671837	0.225	13-Jan-09	18:52:15	1
131	13JAN08A 131	0901033-2 10X	0.071314	1827	692666	1.074	13-Jan-09	18:55:26	1
132	13JAN08A 132	0901033-3 200X	0	390	723805	2.069	13-Jan-09	18:58:34	1
133	13JAN08A 133	CCV	1.9648	42054	706444	0.101	13-Jan-09	19:01:41	1
134	13JAN08A 134	CCB	0	320	679936	1.879	13-Jan-09	19:06:59	1
135	13JAN08A 135	0901033-4 50X	0.040650	1210	696413	1.257	13-Jan-09	19:10:04	1
136	13JAN08A 136	0901033-5 10X	0.098295	2305	671954	1.053	13-Jan-09	19:13:10	1
137	13JAN08A 137	0901033-6 10X	0.034216	1075	694132	1.693	13-Jan-09	19:16:17	1
138	13JAN08A 138	0901033-7 10X	0.036343	1116	692690	1.869	13-Jan-09	19:19:25	1
139	13JAN08A 139	0901033-8 50X	0	387	719663	1.940	13-Jan-09	19:22:34	1
140	13JAN08A 140	CCV	1.9969	41232	681356	0.087	13-Jan-09	19:25:42	1
141	13JAN08A 141	CCB	0	314	684009	2.020	13-Jan-09	19:31:02	1
142	13JAN08A 142	RINSE							

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 12: 205Tl

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	13JAN08A 01	RINSE	0.00045228	37	305932	10.163	13-Jan-09	11:08:38	14
2	13JAN08A 02	RINSE	0.00031339	32	306275	9.626	13-Jan-09	11:10:58	14
3	13JAN08A 03	RINSE	0.00040495	35	303471	10.917	13-Jan-09	11:13:35	14
4	13JAN08A 04	RINSE	0.00036342	33	298886	11.658	13-Jan-09	11:16:12	14
5	13JAN08A 05	0 STD	8.6702e-5	23	296332	12.990	13-Jan-09	11:19:18	14
6	13JAN08A 06	L/100 STD	0.00058988	41	298729	8.064	13-Jan-09	11:22:24	14
7	13JAN08A 07	L/20 STD	0.0020671	95	304186	4.786	13-Jan-09	11:25:30	14
8	13JAN08A 08	L/10 STD	0.0037654	156	303773	3.028	13-Jan-09	11:28:36	14
9	13JAN08A 09	LOW/2 STD	0.026935	977	299962	1.123	13-Jan-09	11:31:43	14
10	13JAN08A 10	LOW STD	0.048959	1746	297798	0.667	13-Jan-09	11:34:50	14
11	13JAN08A 11	MID STD	0.10131	3634	301324	0.450	13-Jan-09	11:37:57	14
12	13JAN08A 12	HIGH/2 STD	0.24924	8972	301533	0.187	13-Jan-09	11:41:16	14
13	13JAN08A 13	HIGH STD	0.50013	18767	304902	0.110	13-Jan-09	11:44:51	14
14	13JAN08A 14	HIGH STD READBACK	0.50801	18845	301004	0.164	13-Jan-09	11:48:42	14
15	13JAN08A 15	ICV	0.13273	4663	295372	0.348	13-Jan-09	11:52:32	14
16	13JAN08A 16	ICB	0.0068132	258	294982	2.352	13-Jan-09	11:59:33	14
17	13JAN08A 17	CRI_L/100	0.0043873	173	294604	2.574	13-Jan-09	12:02:41	14
18	13JAN08A 18	CRI_L/20	0.0048397	190	296495	3.095	13-Jan-09	12:05:48	14
19	13JAN08A 19	ICSA	0.0027416	108	275351	4.147	13-Jan-09	12:08:55	14
20	13JAN08A 20	ICSAB	0.10692	3488	274129	0.413	13-Jan-09	12:12:01	14
21	13JAN08A 21	IP090109-2MB 10X	0.0028419	120	296943	3.171	13-Jan-09	12:15:07	14
22	13JAN08A 22	IM090109-2LCS 10X	0.091567	3261	299025	0.372	13-Jan-09	12:19:27	14
23	13JAN08A 23	0901019-2 10X	0.0044450	178	299631	3.127	13-Jan-09	12:22:34	14
24	13JAN08A 24	0901019-2D 10X	0.0021762	95	292102	5.023	13-Jan-09	12:25:42	14
25	13JAN08A 25	0901019-2L 50X	0.0015378	73	292486	6.626	13-Jan-09	12:28:50	14
26	13JAN08A 26	0901019-2MS 10X	0.094855	3381	299340	0.463	13-Jan-09	12:31:58	14
27	13JAN08A 27	CCV	0.10396	3708	299677	0.468	13-Jan-09	12:35:07	14
28	13JAN08A 28	CCB	0.0041791	163	289751	2.822	13-Jan-09	12:38:14	14
29	13JAN08A 29	0901019-2MSD 10X	0.096361	3400	296343	0.409	13-Jan-09	12:41:20	14
30	13JAN08A 30	0901017-1 10X	0.0039347	155	290479	2.676	13-Jan-09	12:44:29	14
31	13JAN08A 31	0901017-2 10X	0.0022751	99	293812	4.508	13-Jan-09	12:49:20	14

Quantify Compound Summary Report

13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 12: 205Tl

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
32	13JAN08A 32	0901021-4 10X	0.0041659	137	244212	3.502	13-Jan-09	12:52:28	14
33	13JAN08A 33	0901021-11 10X	0.0015752	74	291322	6.619	13-Jan-09	12:55:35	14
34	13JAN08A 34	0901021-17 10X	0.0011967	61	291648	6.764	13-Jan-09	12:58:42	14
35	13JAN08A 35	0901021-24 10X	0.00076612	46	290892	6.966	13-Jan-09	13:01:48	14
36	13JAN08A 36	0901030-4 10X	0.0031085	127	291479	4.371	13-Jan-09	13:04:55	14
37	13JAN08A 37	IP090112-2MB 10X	0.0010743	55	282543	7.828	13-Jan-09	13:14:00	14
38	13JAN08A 38	IM090112-2LCS 10X	0.092848	3170	286691	0.400	13-Jan-09	13:17:07	14
39	13JAN08A 39	CCV	0.10086	3469	288931	0.387	13-Jan-09	13:20:15	14
40	13JAN08A 40	CCB	0.0036189	141	284172	3.927	13-Jan-09	13:23:23	14
41	13JAN08A 41	0901040-1 10X	0.043974	1304	247284	0.779	13-Jan-09	13:26:29	14
42	13JAN08A 42	0901040-2 10X	0.030409	875	238534	1.111	13-Jan-09	13:29:37	14
43	13JAN08A 43	0901040-2D 10X	0.032666	933	237085	1.026	13-Jan-09	13:32:46	14
44	13JAN08A 44	0901040-2L 50X	0.0056692	205	277364	2.276	13-Jan-09	13:35:56	14
45	13JAN08A 45	0901040-2MS 10X	0.12937	3786	246028	0.448	13-Jan-09	13:39:06	14
46	13JAN08A 46	0901040-2MSD 10X	0.14508	4252	246417	0.461	13-Jan-09	13:42:14	14
47	13JAN08A 47	0901040-3 10X	0.13116	3916	251014	0.338	13-Jan-09	13:45:22	14
48	13JAN08A 48	0901040-4 10X	0.0050617	183	274310	2.911	13-Jan-09	13:48:29	14
49	13JAN08A 49	0901040-5 10X	0.020120	673	274641	1.958	13-Jan-09	13:51:37	14
50	13JAN08A 50	IP090109-4MB 10X	0.0032923	141	308207	3.781	13-Jan-09	13:54:45	14
51	13JAN08A 51	CCV	0.082361	2951	300649	0.569	13-Jan-09	14:01:45	14
52	13JAN08A 52	CCB	0.0062061	234	291514	3.154	13-Jan-09	14:04:52	14
53	13JAN08A 53	IM090109-4LCS 10X	0.081446	2911	299881	0.450	13-Jan-09	14:07:59	14
54	13JAN08A 54	0901042-3 10X	0.0080463	310	303715	2.438	13-Jan-09	14:11:07	14
55	13JAN08A 55	0901042-3D 10X	0.0048381	197	307508	3.128	13-Jan-09	14:14:16	14
56	13JAN08A 56	0901042-3L 50X	0.0031222	131	299549	3.641	13-Jan-09	14:17:25	14
57	13JAN08A 57	0901042-3MS 10X	0.087444	3094	297007	0.452	13-Jan-09	14:20:34	14
58	13JAN08A 58	0901042-3MSD 10X	0.093236	3286	295953	0.455	13-Jan-09	14:23:44	14
59	13JAN08A 59	0901042-4 10X	0.0063667	246	299369	2.843	13-Jan-09	14:26:55	14
60	13JAN08A 60	0901042-9 10X	0.0042749	173	301440	3.431	13-Jan-09	14:30:03	14
61	13JAN08A 61	0901042-10 10X	0.0025736	113	303500	4.456	13-Jan-09	14:33:10	14
62	13JAN08A 62	0901007-1 10X	0.0021938	97	296349	4.554	13-Jan-09	14:36:18	14

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 12: 205Tl

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
63	13JAN08A 63	CCV	0.094355	3310	294598	0.373	13-Jan-09	14:39:26	14
64	13JAN08A 64	CCB	0.0045337	176	291119	2.970	13-Jan-09	14:42:33	14
65	13JAN08A 65	0901020-2 10X	0.0035206	145	299258	3.547	13-Jan-09	14:45:41	14
66	13JAN08A 66	0901020-3 10X	0.0024230	106	299031	3.219	13-Jan-09	14:48:48	14
67	13JAN08A 67	ZZZZZZ	0.0015273	73	293958	4.381	13-Jan-09	14:51:56	14
68	13JAN08A 68	0901031-4 10X	0.0018923	85	291508	6.221	13-Jan-09	14:55:05	14
69	13JAN08A 69	0901031-6 10X	0.0021699	96	295855	4.773	13-Jan-09	14:58:14	14
70	13JAN08A 70	ZZZZZZ	0.0038827	158	299561	3.382	13-Jan-09	15:01:24	14
71	13JAN08A 71	ZZZZZZ	0.0015050	73	297117	5.738	13-Jan-09	15:04:33	14
72	13JAN08A 72	0901046-4 10X	0.0013678	67	292026	5.272	13-Jan-09	15:07:43	14
73	13JAN08A 73	0901046-6 10X	0.00085391	49	290735	8.732	13-Jan-09	15:10:53	14
74	13JAN08A 74	0901046-8 10X	0.0029984	125	295750	2.946	13-Jan-09	15:14:04	14
75	13JAN08A 75	CCV	0.0922292	3187	289955	0.434	13-Jan-09	15:17:13	14
76	13JAN08A 76	CCB	0.0037580	144	280884	3.605	13-Jan-09	15:20:20	14
77	13JAN08A 77	ZZZZZZ	0.0040109	158	291177	3.581	13-Jan-09	15:23:27	14
78	13JAN08A 78	0901031-2 10X	0.0013099	66	296524	6.458	13-Jan-09	15:37:14	14
79	13JAN08A 79	0901046-2 10X	0.00087439	50	292457	6.697	13-Jan-09	15:40:22	14
80	13JAN08A 80	0901044-1 10X	0.00095471	53	293655	5.108	13-Jan-09	15:43:31	14
81	13JAN08A 81	0901046-10 10X	0.0010091	55	294231	7.606	13-Jan-09	15:46:41	14
82	13JAN08A 82	0901040-2 10X	0.0028021	115	287930	4.304	13-Jan-09	15:51:32	14
83	13JAN08A 83	0901040-2D 10X	0.0027209	110	282211	4.348	13-Jan-09	15:54:39	14
84	13JAN08A 84	0901040-2L 500X	0.00094231	52	290479	6.597	13-Jan-09	15:57:48	14
85	13JAN08A 85	0901040-2MS 100X	0.0088902	325	290007	1.561	13-Jan-09	16:00:57	14
86	13JAN08A 86	0901040-2MSD 100X	0.0089758	325	287407	2.074	13-Jan-09	16:04:06	14
87	13JAN08A 87	CCV	0.095999	3293	288093	0.309	13-Jan-09	16:07:15	14
88	13JAN08A 88	CCB	0.0035580	137	280186	3.943	13-Jan-09	16:10:23	14
89	13JAN08A 89	ICSAB_CEC	0.00084259	50	299049	8.272	13-Jan-09	16:26:06	14
90	13JAN08A 90	ICSAB_CEC	0.096995	3479	301254	0.428	13-Jan-09	16:29:12	14
91	13JAN08A 91	IP090109-2MB 10X	0.0016688	75	282903	7.566	13-Jan-09	16:32:18	14
92	13JAN08A 92	IM090109-2LCS 10X	0.053699	1833	285341	0.751	13-Jan-09	16:35:25	14
93	13JAN08A 93	0901021-4 10X	0.0025302	111	302301	4.465	13-Jan-09	16:38:32	14

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 12: 205TL

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
94	13JAN08A 94	0901017-1 10X	0.0015127	73	296017	5.202	13-Jan-09	16:41:40	14
95	13JAN08A 95	0901017-2 10X	0.0012324	63	295226	5.751	13-Jan-09	16:44:47	14
96	13JAN08A 96	IP090112-2MB 10X	0.00057319	38	280919	9.244	13-Jan-09	16:50:21	14
97	13JAN08A 97	IM090112-2LCS 10X	0.054040	1828	282787	0.715	13-Jan-09	16:53:27	14
98	13JAN08A 98	CCV	0.097254	3362	290351	0.478	13-Jan-09	16:56:33	14
99	13JAN08A 99	CCB	0.0033864	134	285940	4.425	13-Jan-09	17:01:51	14
100	13JAN08A 100	0901040-1 10X	0.051575	1864	301981	0.697	13-Jan-09	17:04:58	14
101	13JAN08A 101	0901040-2 10X	0.023078	851	303866	1.180	13-Jan-09	17:08:05	14
102	13JAN08A 102	0901040-2D 10X	0.023201	852	302644	1.380	13-Jan-09	17:11:13	14
103	13JAN08A 103	0901040-2L 10X	0.0045921	180	294365	2.781	13-Jan-09	17:14:22	14
104	13JAN08A 104	0901040-2MS 10X	0.099617	3562	300364	0.390	13-Jan-09	17:17:30	14
105	13JAN08A 105	0901040-2MSD 10X	0.10444	3807	306275	0.422	13-Jan-09	17:20:36	14
106	13JAN08A 106	0901040-3 10X	0.10137	3719	308207	0.343	13-Jan-09	17:23:42	14
107	13JAN08A 107	0901040-4 10X	0.014261	528	300556	1.753	13-Jan-09	17:26:49	14
108	13JAN08A 108	0901040-5 10X	0.041565	1505	301702	0.717	13-Jan-09	17:29:56	14
109	13JAN08A 109	CCV	0.093704	3280	293946	0.447	13-Jan-09	17:33:04	14
110	13JAN08A 110	CCB	0.0046440	180	291433	2.765	13-Jan-09	17:38:22	14
111	13JAN08A 111	IP090112-5MB 10X	0.0015623	71	281199	5.169	13-Jan-09	17:41:28	14
112	13JAN08A 112	IM090112-5LCS 10X	0.086318	2907	282676	0.516	13-Jan-09	17:44:34	14
113	13JAN08A 113	0901050-1 10X	0.090312	3035	282147	0.635	13-Jan-09	17:47:42	14
114	13JAN08A 114	0901050-2 10X	0.16202	5585	289792	0.570	13-Jan-09	17:50:51	14
115	13JAN08A 115	0901050-2D 10X	0.16526	5728	291363	0.583	13-Jan-09	17:54:00	14
116	13JAN08A 116	0901050-2L 50X	0.039960	1375	286551	0.836	13-Jan-09	17:57:09	14
117	13JAN08A 117	0901050-2MS 10X	0.25012	8359	279930	0.484	13-Jan-09	18:02:30	14
118	13JAN08A 118	0901050-2MSD 10X	0.26312	8945	284503	0.407	13-Jan-09	18:05:38	14
119	13JAN08A 119	0901050-2A 10X	0.26776	9308	290822	0.454	13-Jan-09	18:08:45	14
120	13JAN08A 120	0901050-3 10X	0.18429	6226	283863	0.654	13-Jan-09	18:11:51	14
121	13JAN08A 121	CCV	0.10254	3400	278557	0.438	13-Jan-09	18:16:40	14
122	13JAN08A 122	CCB	0.0069581	245	274729	2.643	13-Jan-09	18:24:59	14
123	13JAN08A 123	0901050-4 10X	0.13366	4565	287151	0.754	13-Jan-09	18:28:06	14
124	13JAN08A 124	0901050-5 10X	0.20937	7088	284195	0.769	13-Jan-09	18:31:12	14

Quantify Compound Summary Report

13JAN09A

Sample List: D:\Masslynx Projects\AUG2002.PRO\SampleDB\13JAN09A

Last modified: Wed Jan 14 10:54:06 2009

Method: D:\Masslynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS

Last modified: Tue Jan 13 11:05:10 2009

Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 12: 205T1

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
125	13JAN08A 125	IP090112-3MB 10X	0.0057924	202	268015	2.444	13-Jan-09	18:34:19	14
126	13JAN08A 126	IP090112-3LCS 10X	0.093874	3075	275078	0.404	13-Jan-09	18:39:39	14
127	13JAN08A 127	IP090112-3LCSD 10X	0.098087	3257	278906	0.496	13-Jan-09	18:42:48	14
128	13JAN08A 128	0901033-1 10X	0.019888	667	275287	1.907	13-Jan-09	18:45:57	14
129	13JAN08A 129	0901033-1L 50X	0.0056289	208	283252	2.909	13-Jan-09	18:49:06	14
130	13JAN08A 130	0901033-1A 10X	0.11847	3749	266007	0.734	13-Jan-09	18:52:15	14
131	13JAN08A 131	0901033-2 10X	0.0096405	329	272006	3.377	13-Jan-09	18:55:26	14
132	13JAN08A 132	0901033-3 200X	0.0039407	152	284480	3.902	13-Jan-09	18:58:34	14
133	13JAN08A 133	CCV	0.098029	3243	277871	0.366	13-Jan-09	19:01:41	14
134	13JAN08A 134	CCB	0.0040050	145	267561	2.810	13-Jan-09	19:06:59	14
135	13JAN08A 135	0901033-4 50X	0.0032425	124	274589	4.569	13-Jan-09	19:10:04	14
136	13JAN08A 136	0901033-5 10X	0.0052367	183	266042	4.174	13-Jan-09	19:13:10	14
137	13JAN08A 137	0901033-6 10X	0.0051517	186	274420	3.854	13-Jan-09	19:16:17	14
138	13JAN08A 138	0901033-7 10X	0.0053898	193	273373	3.923	13-Jan-09	19:19:25	14
139	13JAN08A 139	0901033-8 50X	0.0024089	100	283444	6.349	13-Jan-09	19:22:34	14
140	13JAN08A 140	CCV	0.098841	3149	267613	0.368	13-Jan-09	19:25:42	14
141	13JAN08A 141	CCB	0.0042084	154	272070	3.956	13-Jan-09	19:31:02	14
142	13JAN08A 142	RINSE							

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

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Compound 18: 0Lead

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	13JAN08A 01	RINSE	0	380	305932	0.000	13-Jan-09	11:08:38	14
2	13JAN08A 02	RINSE	0	439	306275	0.000	13-Jan-09	11:10:58	14
3	13JAN08A 03	RINSE	0	457	303471	0.000	13-Jan-09	11:13:35	14
4	13JAN08A 04	RINSE	0	422	298886	0.000	13-Jan-09	11:16:12	14
5	13JAN08A 05	0 STD	0	396	296332	0.000	13-Jan-09	11:19:18	14
6	13JAN08A 06	L/100 STD	0.056847	3905	298729	0.000	13-Jan-09	11:22:24	14
7	13JAN08A 07	L/20 STD	0.24868	15177	304186	0.000	13-Jan-09	11:25:30	14
8	13JAN08A 08	L/10 STD	0.47574	28413	303773	0.000	13-Jan-09	11:28:36	14
9	13JAN08A 09	LOW/2 STD	2.4892	144945	299962	0.000	13-Jan-09	11:31:43	14
10	13JAN08A 10	LOW STD	5.0507	293433	297798	0.000	13-Jan-09	11:34:50	14
11	13JAN08A 11	MID STD	9.9799	593094	301324	0.000	13-Jan-09	11:37:57	14
12	13JAN08A 12	HIGH/2 STD	24.998	1516951	301533	0.000	13-Jan-09	11:41:16	14
13	13JAN08A 13	HIGH STD	50.001	3020195	304902	0.000	13-Jan-09	11:44:51	14
14	13JAN08A 14	HIGH STD READBACK	50.760	3022430	301004	0.000	13-Jan-09	11:48:42	14
15	13JAN08A 15	ICV	13.067	765719	295372	0.000	13-Jan-09	11:52:32	14
16	13JAN08A 16	ICB	0	620	294982	0.000	13-Jan-09	11:59:33	14
17	13JAN08A 17	CRI_L/100	0.058190	3927	294604	0.000	13-Jan-09	12:02:41	14
18	13JAN08A 18	CRI_L/20	0.24993	14864	296495	0.000	13-Jan-09	12:05:48	14
19	13JAN08A 19	ICSA	0.024480	1890	275351	0.000	13-Jan-09	12:08:55	14
20	13JAN08A 20	ICSAB	10.226	553125	274129	0.000	13-Jan-09	12:12:01	14
21	13JAN08A 21	IP090109-2MB 10X	0.0030514	818	296943	0.000	13-Jan-09	12:15:07	14
22	13JAN08A 22	IM090109-2LCS 10X	10.162	599537	299025	0.000	13-Jan-09	12:19:27	14
23	13JAN08A 23	0901019-2 10X	0.016846	1618	299631	0.000	13-Jan-09	12:22:34	14
24	13JAN08A 24	0901019-2D 10X	0.00034368	653	292102	0.000	13-Jan-09	12:25:42	14
25	13JAN08A 25	0901019-2L 50X	0	581	292486	0.000	13-Jan-09	12:28:50	14
26	13JAN08A 26	0901019-2MS 10X	10.202	602545	299340	0.000	13-Jan-09	12:31:58	14
27	13JAN08A 27	CCV	10.022	592412	299677	0.000	13-Jan-09	12:35:07	14
28	13JAN08A 28	CCB	0	471	289751	0.000	13-Jan-09	12:38:14	14
29	13JAN08A 29	0901019-2MSD 10X	10.147	593282	296343	0.000	13-Jan-09	12:41:20	14
30	13JAN08A 30	0901017-1 10X	0.037568	2723	290479	0.000	13-Jan-09	12:44:29	14
31	13JAN08A 31	0901017-2 10X	0	414	293812	0.000	13-Jan-09	12:49:20	14

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 18: OLead

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
32	13JAN08A 32	0901021-4 10X	0.093701	4919	244212	0.000	13-Jan-09	12:52:28	14
33	13JAN08A 33	0901021-11 10X	0.0059958	967	291322	0.000	13-Jan-09	12:55:35	14
34	13JAN08A 34	0901021-17 10X	0.019458	1721	291648	0.000	13-Jan-09	12:58:42	14
35	13JAN08A 35	0901021-24 10X	0.073377	4725	290892	0.000	13-Jan-09	13:01:48	14
36	13JAN08A 36	0901030-4 10X	0.13253	8043	291479	0.000	13-Jan-09	13:04:55	14
37	13JAN08A 37	IP090112-2MB 10X	0	440	282543	0.000	13-Jan-09	13:14:00	14
38	13JAN08A 38	IM090112-2LCS 10X	10.038	567644	286691	0.000	13-Jan-09	13:17:07	14
39	13JAN08A 39	CCV	10.078	574429	288931	0.000	13-Jan-09	13:20:15	14
40	13JAN08A 40	CCB	0	578	284172	0.000	13-Jan-09	13:23:23	14
41	13JAN08A 41	0901040-1 10X	0.055128	3151	247284	0.000	13-Jan-09	13:26:29	14
42	13JAN08A 42	0901040-2 10X	0.0074655	859	238534	0.000	13-Jan-09	13:29:37	14
43	13JAN08A 43	0901040-2D 10X	0.0057546	776	237085	0.000	13-Jan-09	13:32:46	14
44	13JAN08A 44	0901040-2L 50X	0	574	277364	0.000	13-Jan-09	13:35:56	14
45	13JAN08A 45	0901040-2MS 10X	10.149	492636	246028	0.000	13-Jan-09	13:39:06	14
46	13JAN08A 46	0901040-2MSD 10X	10.611	516364	246417	0.000	13-Jan-09	13:42:14	14
47	13JAN08A 47	0901040-3 10X	8.2100e-6	545	251014	0.000	13-Jan-09	13:45:22	14
48	13JAN08A 48	0901040-4 10X	0.0095217	1096	274310	0.000	13-Jan-09	13:48:29	14
49	13JAN08A 49	0901040-5 10X	0.015592	1417	274641	0.000	13-Jan-09	13:51:37	14
50	13JAN08A 50	IP090109-4MB 10X	0	336	308207	0.000	13-Jan-09	13:54:45	14
51	13JAN08A 51	CCV	10.127	600665	300649	0.000	13-Jan-09	14:01:45	14
52	13JAN08A 52	CCB	0	592	291514	0.000	13-Jan-09	14:04:52	14
53	13JAN08A 53	IM090109-4LCS 10X	10.563	625490	299881	0.000	13-Jan-09	14:07:59	14
54	13JAN08A 54	0901042-3 10X	0.41515	24869	303715	0.000	13-Jan-09	14:11:07	14
55	13JAN08A 55	0901042-3D 10X	0.38285	23270	307508	0.000	13-Jan-09	14:14:16	14
56	13JAN08A 56	0901042-3L 50X	0.089514	5793	299549	0.000	13-Jan-09	14:17:25	14
57	13JAN08A 57	0901042-3MS 10X	10.748	630586	297007	0.000	13-Jan-09	14:20:34	14
58	13JAN08A 58	0901042-3MSD 10X	10.782	630378	295953	0.000	13-Jan-09	14:23:44	14
59	13JAN08A 59	0901042-4 10X	0.043170	3128	299369	0.000	13-Jan-09	14:26:55	14
60	13JAN08A 60	0901042-9 10X	0.58269	34398	301440	0.000	13-Jan-09	14:30:03	14
61	13JAN08A 61	0901042-10 10X	0.017655	1686	303500	0.000	13-Jan-09	14:33:10	14
62	13JAN08A 62	0901007-1 10X	0.025480	2091	296349	0.000	13-Jan-09	14:36:18	14

Quantify Compound Summary Report
13JAN09A

Sample List: D:\Masslynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\Masslynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

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Compound 18: 0Lead

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
63	13JAN08A 63	CCV	10.029	582753	294598	0.000	13-Jan-09	14:39:26	14
64	13JAN08A 64	CCB	0.00058010	664	291119	0.000	13-Jan-09	14:42:33	14
65	13JAN08A 65	0901020-2 10X	0.034862	2650	299258	0.000	13-Jan-09	14:45:41	14
66	13JAN08A 66	0901020-3 10X	0.044086	3177	299031	0.000	13-Jan-09	14:48:48	14
67	13JAN08A 67	ZZZZZ	0	490	293958	0.000	13-Jan-09	14:51:56	14
68	13JAN08A 68	0901031-4 10X	0.062505	4127	291508	0.000	13-Jan-09	14:55:05	14
69	13JAN08A 69	0901031-6 10X	0	530	295855	0.000	13-Jan-09	14:58:14	14
70	13JAN08A 70	ZZZZZ	0.46796	27571	299561	0.000	13-Jan-09	15:01:24	14
71	13JAN08A 71	ZZZZZ	0.026754	2169	297117	0.000	13-Jan-09	15:04:33	14
72	13JAN08A 72	0901046-4 10X	0	344	292026	0.000	13-Jan-09	15:07:43	14
73	13JAN08A 73	0901046-6 10X	0	213	290735	0.000	13-Jan-09	15:10:53	14
74	13JAN08A 74	0901046-8 10X	0.021270	1848	295750	0.000	13-Jan-09	15:14:04	14
75	13JAN08A 75	CCV	10.094	577372	289955	0.000	13-Jan-09	15:17:13	14
76	13JAN08A 76	CCB	0.0010507	666	280884	0.000	13-Jan-09	15:20:20	14
77	13JAN08A 77	ZZZZZ	0.057325	3833	291177	0.000	13-Jan-09	15:23:27	14
78	13JAN08A 78	0901031-2 10X	4.6708e-5	646	296524	0.000	13-Jan-09	15:37:14	14
79	13JAN08A 79	0901046-2 10X	0.051142	3503	292457	0.000	13-Jan-09	15:40:22	14
80	13JAN08A 80	0901044-1 100X	0.046289	3244	293655	0.000	13-Jan-09	15:43:31	14
81	13JAN08A 81	0901046-10 100X	0.0067463	1019	294231	0.000	13-Jan-09	15:46:41	14
82	13JAN08A 82	0901040-2 100X	0.019348	1693	287930	0.000	13-Jan-09	15:51:32	14
83	13JAN08A 83	0901040-2D 100X	0	452	282211	0.000	13-Jan-09	15:54:39	14
84	13JAN08A 84	0901040-2L 500X	0	583	290479	0.000	13-Jan-09	15:57:48	14
85	13JAN08A 85	0901040-2MS 100X	0.93480	52769	290007	0.000	13-Jan-09	16:00:57	14
86	13JAN08A 86	0901040-2MSD 100X	0.97172	54343	287407	0.000	13-Jan-09	16:04:06	14
87	13JAN08A 87	CCV	10.058	571573	288093	0.000	13-Jan-09	16:07:15	14
88	13JAN08A 88	CCB	0.0020679	719	280186	0.000	13-Jan-09	16:10:23	14
89	13JAN08A 89	ICSA_CEC AS _{Se}	0.0024968	792	299049	0.000	13-Jan-09	16:26:06	14
90	13JAN08A 90	ICSA _{Se} _CEC	0.023150	1991	301254	0.000	13-Jan-09	16:29:12	14
91	13JAN08A 91	IP090109-2MB 10X	0.0050732	889	282903	0.000	13-Jan-09	16:32:18	14
92	13JAN08A 92	IM090109-2LCS 10X	0.0018810	722	285341	0.000	13-Jan-09	16:35:25	14
93	13JAN08A 93	0901021-4 10X	0	287	302301	0.000	13-Jan-09	16:38:32	14

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 18: 0Lead

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
94	13JAN08A 94	0901017-1 10X	0	237	296017	0.000	13-Jan-09	16:41:40	14
95	13JAN08A 95	0901017-2 10X	0	154	295226	0.000	13-Jan-09	16:44:47	14
96	13JAN08A 96	IP090112-2MB 10X	0.0031840	781	280919	0.000	13-Jan-09	16:50:21	14
97	13JAN08A 97	IM090112-2LCS 10X	0.0023137	739	282787	0.000	13-Jan-09	16:53:27	14
98	13JAN08A 98	CCV	9.9994	572633	290351	0.000	13-Jan-09	16:56:33	14
99	13JAN08A 99	CCB	0.0024552	755	285940	0.000	13-Jan-09	17:01:51	14
100	13JAN08A 100	0901040-1 10X	0	349	301981	0.000	13-Jan-09	17:04:58	14
101	13JAN08A 101	0901040-2 10X	0	163	303866	0.000	13-Jan-09	17:08:05	14
102	13JAN08A 102	0901040-2D 10X	0	159	302644	0.000	13-Jan-09	17:11:13	14
103	13JAN08A 103	0901040-2L 10X	0	435	294365	0.000	13-Jan-09	17:14:22	14
104	13JAN08A 104	0901040-2MS 10X	0	370	300364	0.000	13-Jan-09	17:17:30	14
105	13JAN08A 105	0901040-2MSD 10X	0	480	306275	0.000	13-Jan-09	17:20:36	14
106	13JAN08A 106	0901040-3 10X	0	206	308207	0.000	13-Jan-09	17:23:42	14
107	13JAN08A 107	0901040-4 10X	0	288	300556	0.000	13-Jan-09	17:26:49	14
108	13JAN08A 108	0901040-5 10X	0	290	301702	0.000	13-Jan-09	17:29:56	14
109	13JAN08A 109	CCV	10.161	589303	293946	0.000	13-Jan-09	17:33:04	14
110	13JAN08A 110	CCB	0.0028041	789	291433	0.000	13-Jan-09	17:38:22	14
111	13JAN08A 111	IP090112-5MB 10X	0.0078801	1035	281199	0.000	13-Jan-09	17:41:28	14
112	13JAN08A 112	IM090112-5LCS 10X	9.8283	547765	282676	0.000	13-Jan-09	17:44:34	14
113	13JAN08A 113	0901050-1 10X	7.3342	405806	282147	0.000	13-Jan-09	17:47:42	14
114	13JAN08A 114	0901050-2 10X	7.5024	426518	289792	0.000	13-Jan-09	17:50:51	14
115	13JAN08A 115	0901050-2D 10X	7.1059	405804	291363	0.000	13-Jan-09	17:54:00	14
116	13JAN08A 116	0901050-2L 50X	1.4590	81160	286551	0.000	13-Jan-09	17:57:09	14
117	13JAN08A 117	0901050-2MS 10X	18.560	1039361	279930	0.000	13-Jan-09	18:02:30	14
118	13JAN08A 118	0901050-2MSD 10X	17.095	971078	284503	0.000	13-Jan-09	18:05:38	14
119	13JAN08A 119	0901050-2A 10X	17.981	1045365	290822	0.000	13-Jan-09	18:08:45	14
120	13JAN08A 120	0901050-3 10X	13.174	742050	283863	0.000	13-Jan-09	18:11:51	14
121	13JAN08A 121	CCV	10.055	552490	278557	0.000	13-Jan-09	18:16:40	14
122	13JAN08A 122	CCB	0.0052191	871	274729	0.000	13-Jan-09	18:24:59	14
123	13JAN08A 123	0901050-4 10X	14.737	841961	287151	0.000	13-Jan-09	18:28:06	14
124	13JAN08A 124	0901050-5 10X	19.138	1088816	284195	0.000	13-Jan-09	18:31:12	14

Quantify Compound Summary Report 13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 18: 0Lead

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
125	13JAN08A 125	IP090112-3MB 10X	0	553	268015	0.000	13-Jan-09	18:34:19	14
126	13JAN08A 126	IP090112-3LCS 10X	10.165	551675	275078	0.000	13-Jan-09	18:39:39	14
127	13JAN08A 127	IP090112-3LCS 10X	10.143	558152	278906	0.000	13-Jan-09	18:42:48	14
128	13JAN08A 128	0901033-1 10X	0.012043	1233	275287	0.000	13-Jan-09	18:45:57	14
129	13JAN08A 129	0901033-1L 50X	0.0050161	887	283252	0.000	13-Jan-09	18:49:06	14
130	13JAN08A 130	0901033-1A 10X	10.805	567826	266007	0.000	13-Jan-09	18:52:15	14
131	13JAN08A 131	0901033-2 10X	0	559	272006	0.000	13-Jan-09	18:55:26	14
132	13JAN08A 132	0901033-3 200X	0.0033141	798	284480	0.000	13-Jan-09	18:58:34	14
133	13JAN08A 133	CCV	10.192	558816	277871	0.000	13-Jan-09	19:01:41	14
134	13JAN08A 134	CCB	0.0058179	879	267561	0.000	13-Jan-09	19:06:59	14
135	13JAN08A 135	0901033-4 50X	0.019053	1599	274589	0.000	13-Jan-09	19:10:04	14
136	13JAN08A 136	0901033-5 10X	0	384	266042	0.000	13-Jan-09	19:13:10	14
137	13JAN08A 137	0901033-6 10X	0.057279	3610	274420	0.000	13-Jan-09	19:16:17	14
138	13JAN08A 138	0901033-7 10X	0	389	273373	0.000	13-Jan-09	19:19:25	14
139	13JAN08A 139	0901033-8 50X	0	562	283444	0.000	13-Jan-09	19:22:34	14
140	13JAN08A 140	CCV	10.416	550262	267613	0.000	13-Jan-09	19:25:42	14
141	13JAN08A 141	CCB	0.0058790	897	272070	0.000	13-Jan-09	19:31:02	14
142	13JAN08A 142	RINSE							

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
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Compound 23: 109Ag

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	13JAN08A 01	RINSE	0.0017411	34	719546	9.397	13-Jan-09	11:08:38	2
2	13JAN08A 02	RINSE	0.0020240	42	722339	8.063	13-Jan-09	11:10:58	2
3	13JAN08A 03	RINSE	0.0022088	47	720198	8.362	13-Jan-09	11:13:35	2
4	13JAN08A 04	RINSE	0.0020473	42	711378	9.102	13-Jan-09	11:16:12	2
5	13JAN08A 05	0 STD	0.0017959	35	709074	10.847	13-Jan-09	11:19:18	2
6	13JAN08A 06	L/100 STD	0.0082009	211	712844	2.836	13-Jan-09	11:22:24	2
7	13JAN08A 07	L/20 STD	0.050530	1398	725434	0.791	13-Jan-09	11:25:30	2
8	13JAN08A 08	L/10 STD	0.099711	2783	727622	0.607	13-Jan-09	11:28:36	2
9	13JAN08A 09	LOW/2 STD	0.49534	13665	712239	0.164	13-Jan-09	11:31:43	2
10	13JAN08A 10	LOW STD	0.99314	27753	716381	0.110	13-Jan-09	11:34:50	2
11	13JAN08A 11	MID STD	2.0212	57452	719779	0.070	13-Jan-09	11:37:57	2
12	13JAN08A 12	HIGH/2 STD	4.9900	149324	739794	0.050	13-Jan-09	11:41:16	2
13	13JAN08A 13	HIGH STD	10.002	295831	727273	0.039	13-Jan-09	11:44:51	2
14	13JAN08A 14	HIGH STD READBACK	9.9910	296995	730903	0.042	13-Jan-09	11:48:42	2
15	13JAN08A 15	ICV	2.6376	74620	711866	0.063	13-Jan-09	11:52:32	2
16	13JAN08A 16	ICB	0.0026700	59	710703	5.537	13-Jan-09	11:59:33	2
17	13JAN08A 17	CRI_L/100	0.0086789	225	715636	1.979	13-Jan-09	12:02:41	2
18	13JAN08A 18	CRI_L/20	0.051705	1406	712820	0.697	13-Jan-09	12:05:48	2
19	13JAN08A 19	ICSA	0.0074037	169	637021	3.196	13-Jan-09	12:08:55	2
20	13JAN08A 20	ICSAB	2.0205	50778	636370	0.083	13-Jan-09	12:12:01	2
21	13JAN08A 21	IP090109-2MB 10X	0.0022893	49	716800	7.599	13-Jan-09	12:15:07	2
22	13JAN08A 22	IM090109-2LCS 10X	2.0726	59645	728297	0.059	13-Jan-09	12:19:27	2
23	13JAN08A 23	0901019-2 10X	0.0028070	65	736210	7.529	13-Jan-09	12:22:34	2
24	13JAN08A 24	0901019-2D 10X	0.0024806	55	726319	8.226	13-Jan-09	12:25:42	2
25	13JAN08A 25	0901019-2L 50X	0.0018356	37	727063	9.962	13-Jan-09	12:28:50	2
26	13JAN08A 26	0901019-2MS 10X	2.0604	59434	730112	0.057	13-Jan-09	12:31:58	2
27	13JAN08A 27	CCV	2.0210	58031	727110	0.075	13-Jan-09	12:35:07	2
28	13JAN08A 28	CCB	0.0025694	56	707584	7.396	13-Jan-09	12:38:14	2
29	13JAN08A 29	0901019-2MSD 10X	2.0829	59508	722967	0.065	13-Jan-09	12:41:20	2
30	13JAN08A 30	0901017-1 10X	0.0036790	86	705676	3.944	13-Jan-09	12:44:29	2
31	13JAN08A 31	0901017-2 10X	0.0029231	67	722269	7.202	13-Jan-09	12:49:20	2

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

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Compound 23: 109Ag

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
32	13JAN08A 32	0901021-4 10X	0.0043040	84	575604	4.788	13-Jan-09	12:52:28	2
33	13JAN08A 33	0901021-11 10X	0.0024356	52	702790	8.436	13-Jan-09	12:55:35	2
34	13JAN08A 34	0901021-17 10X	0.0026214	58	714775	5.786	13-Jan-09	12:58:42	2
35	13JAN08A 35	0901021-24 10X	0.0019901	41	721362	9.934	13-Jan-09	13:01:48	2
36	13JAN08A 36	0901030-4 10X	0.0026014	58	721618	6.595	13-Jan-09	13:04:55	2
37	13JAN08A 37	IP090112-2MB 10X	0.0020372	41	699043	9.049	13-Jan-09	13:14:00	2
38	13JAN08A 38	IM090112-2LCS 10X	2.0562	58001	714007	0.073	13-Jan-09	13:17:07	2
39	13JAN08A 39	CCV	2.0291	57590	718615	0.067	13-Jan-09	13:20:15	2
40	13JAN08A 40	CCB	0.0022788	48	706374	9.350	13-Jan-09	13:23:23	2
41	13JAN08A 41	0901040-1 10X	0.0063223	132	590196	2.834	13-Jan-09	13:26:29	2
42	13JAN08A 42	0901040-2 10X	0.0046298	90	567901	4.779	13-Jan-09	13:29:37	2
43	13JAN08A 43	0901040-2D 10X	0.0052844	104	566179	4.321	13-Jan-09	13:32:46	2
44	13JAN08A 44	0901040-2L 50X	0.0028243	60	674467	7.422	13-Jan-09	13:35:56	2
45	13JAN08A 45	0901040-2MS 10X	1.8926	43729	585891	0.134	13-Jan-09	13:39:06	2
46	13JAN08A 46	0901040-2MSD 10X	1.9248	45568	600111	0.121	13-Jan-09	13:42:14	2
47	13JAN08A 47	0901040-3 10X	0.0039275	80	608652	5.252	13-Jan-09	13:45:22	2
48	13JAN08A 48	0901040-4 10X	0.0032734	72	677655	5.887	13-Jan-09	13:48:29	2
49	13JAN08A 49	0901040-5 10X	0.0038737	86	664786	5.538	13-Jan-09	13:51:37	2
50	13JAN08A 50	IP090109-4MB 10X	0.0021146	47	762578	8.074	13-Jan-09	13:54:45	2
51	13JAN08A 51	CCV	2.0133	60118	756178	0.075	13-Jan-09	14:01:45	2
52	13JAN08A 52	CCB	0.0025097	56	728762	7.313	13-Jan-09	14:04:52	2
53	13JAN08A 53	IM090109-4LCS 10X	2.1351	63251	749242	0.059	13-Jan-09	14:07:59	2
54	13JAN08A 54	0901042-3 10X	0.0035276	88	758365	5.309	13-Jan-09	14:11:07	2
55	13JAN08A 55	0901042-3D 10X	0.0030134	73	758528	6.653	13-Jan-09	14:14:16	2
56	13JAN08A 56	0901042-3L 50X	0.0022409	51	766976	7.419	13-Jan-09	14:17:25	2
57	13JAN08A 57	0901042-3MS 10X	2.0862	60800	737466	0.068	13-Jan-09	14:20:34	2
58	13JAN08A 58	0901042-3MSD 10X	2.0751	60579	738816	0.067	13-Jan-09	14:23:44	2
59	13JAN08A 59	0901042-4 10X	0.0024590	56	747753	7.419	13-Jan-09	14:26:55	2
60	13JAN08A 60	0901042-9 10X	0.0023272	79	753408	4.945	13-Jan-09	14:30:03	2
61	13JAN08A 61	0901042-10 10X	0.0020449	45	763369	7.837	13-Jan-09	14:33:10	2
62	13JAN08A 62	0901007-1 10X	0.0024098	54	739747	7.752	13-Jan-09	14:36:18	2

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
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 Last modified: Tue Jan 13 11:05:10 2009
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Compound 23: 109Ag

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
63	13JAN08A 63	CCV	1.9960	58183	738327	0.079	13-Jan-09	14:39:26	2
64	13JAN08A 64	CCB	0.0029704	68	718941	6.883	13-Jan-09	14:42:33	2
65	13JAN08A 65	0901020-2 10X	0.0024060	55	754944	5.560	13-Jan-09	14:45:41	2
66	13JAN08A 66	0901020-3 10X	0.0027372	65	759296	6.994	13-Jan-09	14:48:48	2
67	13JAN08A 67	ZZZZZZ	0.0020530	44	742493	9.171	13-Jan-09	14:51:56	2
68	13JAN08A 68	0901031-4 10X	0.0021086	45	732882	8.989	13-Jan-09	14:55:05	2
69	13JAN08A 69	0901031-6 10X	0.0020116	43	745682	8.992	13-Jan-09	14:58:14	2
70	13JAN08A 70	ZZZZZZ	0.0038862	97	747031	5.170	13-Jan-09	15:01:24	2
71	13JAN08A 71	ZZZZZZ	0.0020813	45	745658	8.740	13-Jan-09	15:04:33	2
72	13JAN08A 72	0901046-4 10X	0.0017425	35	739887	10.704	13-Jan-09	15:07:43	2
73	13JAN08A 73	0901046-6 10X	0.0019969	42	735535	9.609	13-Jan-09	15:10:53	2
74	13JAN08A 74	0901046-8 10X	0.049959	1430	750615	1.394	13-Jan-09	15:14:04	2
75	13JAN08A 75	CCV	2.0060	57782	729507	0.081	13-Jan-09	15:17:13	2
76	13JAN08A 76	CCB	0.0032109	73	702976	5.593	13-Jan-09	15:20:20	2
77	13JAN08A 77	ZZZZZZ	0.0022849	50	733254	8.954	13-Jan-09	15:23:27	2
78	13JAN08A 78	0901031-2 10X	0.0023398	52	739654	7.554	13-Jan-09	15:37:14	2
79	13JAN08A 79	0901046-2 10X	0.0029202	68	733929	5.646	13-Jan-09	15:40:22	2
80	13JAN08A 80	0901044-1 100X	0.0023724	53	740655	7.898	13-Jan-09	15:43:31	2
81	13JAN08A 81	0901046-10 100X	0.0022352	49	739328	7.239	13-Jan-09	15:46:41	2
82	13JAN08A 82	0901040-2 100X	0.0031673	72	704745	6.102	13-Jan-09	15:51:32	2
83	13JAN08A 83	0901040-2D 100X only	0.0024485	51	684684	7.726	13-Jan-09	15:54:39	2
84	13JAN08A 84	0901040-2L 500X	0.0020579	43	723316	8.536	13-Jan-09	15:57:48	2
85	13JAN08A 85	0901040-2MS 100X	0.19660	5335	704652	0.342	13-Jan-09	16:00:57	2
86	13JAN08A 86	0901040-2MSD 100X	0.20364	5477	698275	0.325	13-Jan-09	16:04:06	2
87	13JAN08A 87	CCV	2.0179	57031	715683	0.080	13-Jan-09	16:07:15	2
88	13JAN08A 88	CCB	0.0030162	67	695412	5.949	13-Jan-09	16:10:23	2
89	13JAN08A 89	ICSA_CEC/AS, Se only	0.0036477	90	745891	5.199	13-Jan-09	16:26:06	2
90	13JAN08A 90	ICSA_CEC	2.0513	60672	748707	0.066	13-Jan-09	16:29:12	2
91	13JAN08A 91	IP090109-2MB 10X	0.0034298	78	694738	6.384	13-Jan-09	16:32:18	2
92	13JAN08A 92	IM090109-2LCS 10X	1.8069	50256	705978	0.063	13-Jan-09	16:35:25	2
93	13JAN08A 93	0901021-4 10X	0.0032820	80	750592	5.204	13-Jan-09	16:38:32	2

Quantify Compound Summary Report

13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
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Compound 23: 109Ag

#	File name	Sample ID	AS ¹	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
94	13JAN08A 94	0901017-1 10X	AS ¹	0.0027770	64	734464	6.075	13-Jan-09	16:41:40	2
95	13JAN08A 95	0901017-2 10X		0.0031948	76	736279	5.355	13-Jan-09	16:44:47	2
96	13JAN08A 96	IP090112-2MB 10X		0.0027692	60	690944	6.305	13-Jan-09	16:50:21	2
97	13JAN08A 97	IM090112-2LCS 10X		1.7928	50188	710656	0.075	13-Jan-09	16:53:27	2
98	13JAN08A 98	CCV		2.0333	57610	717382	0.088	13-Jan-09	16:56:33	2
99	13JAN08A 99	CCB		0.0029457	67	715567	5.870	13-Jan-09	17:01:51	2
100	13JAN08A 100	0901040-1 10X		0.0069109	185	751058	2.601	13-Jan-09	17:04:58	2
101	13JAN08A 101	0901040-2 10X		0.0027430	65	757318	5.537	13-Jan-09	17:08:05	2
102	13JAN08A 102	0901040-2D 10X		0.0026709	63	758575	6.644	13-Jan-09	17:11:13	2
103	13JAN08A 103	0901040-2L 10X		0.0022384	49	737978	8.298	13-Jan-09	17:14:22	2
104	13JAN08A 104	0901040-2MS 10X		2.0724	61994	757062	0.064	13-Jan-09	17:17:30	2
105	13JAN08A 105	0901040-2MSD 10X		2.0614	62496	767348	0.054	13-Jan-09	17:20:36	2
106	13JAN08A 106	0901040-3 10X		0.0067070	183	767395	2.969	13-Jan-09	17:23:42	2
107	13JAN08A 107	0901040-4 10X		0.0037825	96	762787	4.628	13-Jan-09	17:26:49	2
108	13JAN08A 108	0901040-5 10X		0.0041211	105	755991	4.488	13-Jan-09	17:29:56	2
109	13JAN08A 109	CCV		2.0132	59185	744495	0.076	13-Jan-09	17:33:04	2
110	13JAN08A 110	CCB		0.0032927	78	729018	5.700	13-Jan-09	17:38:22	2
111	13JAN08A 111	IP090112-5MB 10X		0.0019080	37	689338	8.290	13-Jan-09	17:41:28	2
112	13JAN08A 112	IM090112-5LCS 10X		2.0008	56284	712495	0.067	13-Jan-09	17:44:34	2
113	13JAN08A 113	0901050-1 10X		0.016980	435	685964	2.962	13-Jan-09	17:47:42	2
114	13JAN08A 114	0901050-2 10X		0.072833	1968	706048	1.116	13-Jan-09	17:50:51	2
115	13JAN08A 115	0901050-2D 10X		0.069167	1850	699183	1.208	13-Jan-09	17:54:00	2
116	13JAN08A 116	0901050-2L 50X		0.010170	264	709981	2.705	13-Jan-09	17:57:09	2
117	13JAN08A 117	0901050-2MS 10X		2.1329	58042	688268	0.186	13-Jan-09	18:02:30	2
118	13JAN08A 118	0901050-2MSD 10X		2.0997	57910	697786	0.168	13-Jan-09	18:05:38	2
119	13JAN08A 119	0901050-2A 10X		2.2349	62399	705396	0.182	13-Jan-09	18:08:45	2
120	13JAN08A 120	0901050-3 10X		0.063158	1666	690106	1.370	13-Jan-09	18:11:51	2
121	13JAN08A 121	CCV		2.0533	56410	695436	0.073	13-Jan-09	18:16:40	2
122	13JAN08A 122	CCB		0.0038473	88	685638	5.313	13-Jan-09	18:24:59	2
123	13JAN08A 123	0901050-4 10X		0.079283	2133	702511	1.273	13-Jan-09	18:28:06	2
124	13JAN08A 124	0901050-5 10X		0.075476	2031	702930	1.537	13-Jan-09	18:31:12	2

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
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Compound 23: 109Ag

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
125	13JAN08A 125	IP090112-3MB 10X	0.0022998	46	668975	7.997	13-Jan-09	18:34:19	2
126	13JAN08A 126	IP090112-3LCS 10X	2.0709	56132	685987	0.070	13-Jan-09	18:39:39	2
127	13JAN08A 127	IP090112-3LCS 10X	2.0750	55940	682263	0.058	13-Jan-09	18:42:48	2
128	13JAN08A 128	0901033-1 10X	0.013707	336	661318	2.855	13-Jan-09	18:45:57	2
129	13JAN08A 129	0901033-1L 50X	0.0042286	99	692154	5.120	13-Jan-09	18:49:06	2
130	13JAN08A 130	0901033-1A 10X	2.1289	54144	643258	0.198	13-Jan-09	18:52:15	2
131	13JAN08A 131	0901033-2 10X	0.0063901	149	658525	3.766	13-Jan-09	18:55:26	2
132	13JAN08A 132	0901033-3 200X	0.0026464	58	706397	6.838	13-Jan-09	18:58:34	2
133	13JAN08A 133	CCV	2.0186	55571	697111	0.089	13-Jan-09	19:01:41	2
134	13JAN08A 134	CCB	0.0038143	85	668882	4.798	13-Jan-09	19:06:59	2
135	13JAN08A 135	0901033-4 50X	0.0093670	233	683474	3.374	13-Jan-09	19:10:04	2
136	13JAN08A 136	0901033-5 10X	0.0076016	177	648541	4.396	13-Jan-09	19:13:10	2
137	13JAN08A 137	0901033-6 10X	0.012622	310	664832	3.334	13-Jan-09	19:16:17	2
138	13JAN08A 138	0901033-7 10X	0.0066602	156	659154	3.738	13-Jan-09	19:19:25	2
139	13JAN08A 139	0901033-8 50X	0.0029108	64	693481	7.738	13-Jan-09	19:22:34	2
140	13JAN08A 140	CCV	1.9810	53076	678726	0.082	13-Jan-09	19:25:42	2
141	13JAN08A 141	CCB	0.0035239	78	673024	4.571	13-Jan-09	19:31:02	2
142	13JAN08A 142	RINSE							

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
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Compound 25: 2Uranium

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	13JAN08A 01	RINSE	0.0022582	62	305932	0.000	13-Jan-09	11:08:38	14
2	13JAN08A 02	RINSE	0.0028056	99	306275	0.000	13-Jan-09	11:10:58	14
3	13JAN08A 03	RINSE	0.0026546	88	303471	0.000	13-Jan-09	11:13:35	14
4	13JAN08A 04	RINSE	0.0021432	53	298886	0.000	13-Jan-09	11:16:12	14
5	13JAN08A 05	0 STD	0.0023493	66	296332	0.000	13-Jan-09	11:19:18	14
6	13JAN08A 06	L/100 STD	0.0081460	448	298729	0.000	13-Jan-09	11:22:24	14
7	13JAN08A 07	L/20 STD	0.049087	3202	304186	0.000	13-Jan-09	11:25:30	14
8	13JAN08A 08	L/10 STD	0.096509	6379	303773	0.000	13-Jan-09	11:28:36	14
9	13JAN08A 09	LOW/2 STD	0.49583	32961	299962	0.000	13-Jan-09	11:31:43	14
10	13JAN08A 10	LOW STD	1.0117	67432	297798	0.000	13-Jan-09	11:34:50	14
11	13JAN08A 11	MID STD	2.0021	137015	301324	0.000	13-Jan-09	11:37:57	14
12	13JAN08A 12	HIGH/2 STD	4.9956	351288	301533	0.000	13-Jan-09	11:41:16	14
13	13JAN08A 13	HIGH STD	10.001	705079	304902	0.000	13-Jan-09	11:44:51	14
14	13JAN08A 14	HIGH STD READBACK	10.058	699712	301004	0.000	13-Jan-09	11:48:42	14
15	13JAN08A 15	ICV	2.5987	175611	295372	0.000	13-Jan-09	11:52:32	14
16	13JAN08A 16	ICB	0.0031696	119	294982	0.000	13-Jan-09	11:59:33	14
17	13JAN08A 17	CRI_L/100	0.0096587	540	294604	0.000	13-Jan-09	12:02:41	14
18	13JAN08A 18	CRI_L/20	0.049162	3126	296495	0.000	13-Jan-09	12:05:48	14
19	13JAN08A 19	ICSA	0.0027396	85	275351	0.000	13-Jan-09	12:08:55	14
20	13JAN08A 20	ICSAB	2.1152	131886	274129	0.000	13-Jan-09	12:12:01	14
21	13JAN08A 21	IP090109-2MB 10X	0.0024084	70	296943	0.000	13-Jan-09	12:15:07	14
22	13JAN08A 22	IM090109-2LCS 10X	2.0267	137686	299025	0.000	13-Jan-09	12:19:27	14
23	13JAN08A 23	0901019-2 10X	0.64805	43171	299631	0.000	13-Jan-09	12:22:34	14
24	13JAN08A 24	0901019-2D 10X	0.64289	41747	292102	0.000	13-Jan-09	12:25:42	14
25	13JAN08A 25	0901019-2L 50X	0.12290	7849	292486	0.000	13-Jan-09	12:28:50	14
26	13JAN08A 26	0901019-2MS 10X	2.6777	183537	299340	0.000	13-Jan-09	12:31:58	14
27	13JAN08A 27	CCV	2.0204	137546	299677	0.000	13-Jan-09	12:35:07	14
28	13JAN08A 28	CCB	0.0029050	100	289751	0.000	13-Jan-09	12:38:14	14
29	13JAN08A 29	0901019-2MSD 10X	2.6785	181759	296343	0.000	13-Jan-09	12:41:20	14
30	13JAN08A 30	0901017-1 10X	0.75864	49099	290479	0.000	13-Jan-09	12:44:29	14
31	13JAN08A 31	0901017-2 10X	0.78620	51493	293812	0.000	13-Jan-09	12:49:20	14

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
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Compound 25: 2Uranium

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
32	13JAN08A 32	0901021-4 10X	0.015742	775	244212	0.000	13-Jan-09	12:52:28	14
33	13JAN08A 33	0901021-11 10X	0.027383	1672	291322	0.000	13-Jan-09	12:55:35	14
34	13JAN08A 34	0901021-17 10X	0.092578	5871	291648	0.000	13-Jan-09	12:58:42	14
35	13JAN08A 35	0901021-24 10X	0.0045219	204	290892	0.000	13-Jan-09	13:01:48	14
36	13JAN08A 36	0901030-4 10X	0.0077391	411	291479	0.000	13-Jan-09	13:04:55	14
37	13JAN08A 37	IP090112-2MB 10X	0.0023344	62	282543	0.000	13-Jan-09	13:14:00	14
38	13JAN08A 38	IM090112-2LCS 10X	2.0036	130466	286691	0.000	13-Jan-09	13:17:07	14
39	13JAN08A 39	CCV	2.0284	133156	288931	0.000	13-Jan-09	13:20:15	14
40	13JAN08A 40	CCB	0.0028079	92	284172	0.000	13-Jan-09	13:23:23	14
41	13JAN08A 41	0901040-1 10X	0.0034678	116	247284	0.000	13-Jan-09	13:26:29	14
42	13JAN08A 42	0901040-2 10X	0.0028417	79	238534	0.000	13-Jan-09	13:29:37	14
43	13JAN08A 43	0901040-2D 10X	0.0026594	69	237085	0.000	13-Jan-09	13:32:46	14
44	13JAN08A 44	0901040-2L 50X	0.0023366	61	277364	0.000	13-Jan-09	13:35:56	14
45	13JAN08A 45	0901040-2MS 10X	2.1897	122650	246028	0.000	13-Jan-09	13:39:06	14
46	13JAN08A 46	0901040-2MSD 10X	2.2977	129079	246417	0.000	13-Jan-09	13:42:14	14
47	13JAN08A 47	0901040-3 10X	0.0061307	265	251014	0.000	13-Jan-09	13:45:22	14
48	13JAN08A 48	0901040-4 10X	0.019621	1105	274310	0.000	13-Jan-09	13:48:29	14
49	13JAN08A 49	0901040-5 10X	0.046067	2708	274641	0.000	13-Jan-09	13:51:37	14
50	13JAN08A 50	IP090109-4MB 10X	0.0021630	56	308207	0.000	13-Jan-09	13:54:45	14
51	13JAN08A 51	CCV	2.0517	140191	300649	0.000	13-Jan-09	14:01:45	14
52	13JAN08A 52	CCB	0.0030045	107	291514	0.000	13-Jan-09	14:04:52	14
53	13JAN08A 53	IM090109-4LCS 10X	2.1269	145094	299881	0.000	13-Jan-09	14:07:59	14
54	13JAN08A 54	0901042-3 10X	5.1890	367855	303715	0.000	13-Jan-09	14:11:07	14
55	13JAN08A 55	0901042-3D 10X	4.9470	354682	307508	0.000	13-Jan-09	14:14:16	14
56	13JAN08A 56	0901042-3L 50X	1.1221	75366	299549	0.000	13-Jan-09	14:17:25	14
57	13JAN08A 57	0901042-3MS 10X	7.0789	492436	297007	0.000	13-Jan-09	14:20:34	14
58	13JAN08A 58	0901042-3MSD 10X	7.1165	493283	295953	0.000	13-Jan-09	14:23:44	14
59	13JAN08A 59	0901042-4 10X	4.9485	345401	299369	0.000	13-Jan-09	14:26:55	14
60	13JAN08A 60	0901042-9 10X	3.8642	269725	301460	0.000	13-Jan-09	14:30:03	14
61	13JAN08A 61	0901042-10 10X	3.7972	266714	303500	0.000	13-Jan-09	14:33:10	14
62	13JAN08A 62	0901007-1 10X	1.1667	77583	296349	0.000	13-Jan-09	14:36:18	14

Quantify Compound Summary Report

13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 25: 2Uranium

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
63	13JAN08A 63	CCV	2.0119	134636	294598	0.000	13-Jan-09	14:39:26	14
64	13JAN08A 64	CCB	0.0033031	126	291119	0.000	13-Jan-09	14:42:33	14
65	13JAN08A 65	0901020-2 10X	3.6451	252144	299258	0.000	13-Jan-09	14:45:41	14
66	13JAN08A 66	0901020-3 10X	8.8354	615691	299031	0.000	13-Jan-09	14:48:48	14
67	13JAN08A 67	ZZZZZZ	0.16494	10625	293958	0.000	13-Jan-09	14:51:56	14
68	13JAN08A 68	0901031-4 10X	0.0066485	341	291508	0.000	13-Jan-09	14:55:05	14
69	13JAN08A 69	0901031-6 10X	0.10336	6661	295855	0.000	13-Jan-09	14:58:14	14
70	13JAN08A 70	ZZZZZZ	13.006	867977	299561	0.000	13-Jan-09	15:01:24	14
71	13JAN08A 71	ZZZZZZ	0.034934	2200	297117	0.000	13-Jan-09	15:04:33	14
72	13JAN08A 72	0901046-4 10X	0.019273	1154	292026	0.000	13-Jan-09	15:07:43	14
73	13JAN08A 73	0901046-6 10X	0.018572	1104	290735	0.000	13-Jan-09	15:10:53	14
74	13JAN08A 74	0901046-8 10X	0.0063728	328	295750	0.000	13-Jan-09	15:14:04	14
75	13JAN08A 75	CCV	2.0589	135686	289955	0.000	13-Jan-09	15:17:13	14
76	13JAN08A 76	CCB	0.0032454	118	280884	0.000	13-Jan-09	15:20:20	14
77	13JAN08A 77	ZZZZZZ	0	2447062	291177	0.000	13-Jan-09	15:23:27	14
78	13JAN08A 78	0901031-2 10X	0.15278	9919	296524	0.000	13-Jan-09	15:37:14	14
79	13JAN08A 79	0901046-2 10X	0.030771	1897	292457	0.000	13-Jan-09	15:40:22	14
80	13JAN08A 80	0901044-1 100X	1.2447	82119	293655	0.000	13-Jan-09	15:43:31	14
81	13JAN08A 81	0901046-10 100X	3.8841	264666	294231	0.000	13-Jan-09	15:46:41	14
82	13JAN08A 82	0901040-2 100X	0.0029779	104	287930	0.000	13-Jan-09	15:51:32	14
83	13JAN08A 83	0901040-2D 100X	0.0022712	58	282211	0.000	13-Jan-09	15:54:39	14
84	13JAN08A 84	0901040-2L 500X	0.0024478	71	290479	0.000	13-Jan-09	15:57:48	14
85	13JAN08A 85	0901040-2MS 100X	0.20091	12795	290007	0.000	13-Jan-09	16:00:57	14
86	13JAN08A 86	0901040-2MSD 100X	0.20839	13157	287407	0.000	13-Jan-09	16:04:06	14
87	13JAN08A 87	CCV	2.0207	132253	288093	0.000	13-Jan-09	16:07:15	14
88	13JAN08A 88	CCB	0.0036552	143	280186	0.000	13-Jan-09	16:10:23	14
89	13JAN08A 89	ICSA_CEC AS _{Se} only	0.33729	22264	299049	0.000	13-Jan-09	16:26:06	14
90	13JAN08A 90	ICSA_CEC	0.38664	25745	301254	0.000	13-Jan-09	16:29:12	14
91	13JAN08A 91	IP090109-2MB 10X	0.034730	2082	282903	0.000	13-Jan-09	16:32:18	14
92	13JAN08A 92	IM090109-2LCS 10X	0.056398	3464	285341	0.000	13-Jan-09	16:35:25	14
93	13JAN08A 93	0901021-4 10X	0.35448	23665	302301	0.000	13-Jan-09	16:38:32	14

Quantify Compound Summary Report

13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
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Compound 25: 2Uranium

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
94	13JAN08A 94	0901017-1 10X	0.25576	16666	296017	0.000	13-Jan-09	16:41:40	14
95	13JAN08A 95	0901017-2 10X	0.29217	19012	295226	0.000	13-Jan-09	16:44:47	14
96	13JAN08A 96	IP090112-2MB 10X	0.035014	2085	280919	0.000	13-Jan-09	16:50:21	14
97	13JAN08A 97	IM090112-2LCS 10X	0.054555	3318	282787	0.000	13-Jan-09	16:53:27	14
98	13JAN08A 98	CCV	2.0187	133149	290351	0.000	13-Jan-09	16:56:33	14
99	13JAN08A 99	CCB	0.0036085	143	285940	0.000	13-Jan-09	17:01:51	14
100	13JAN08A 100	0901040-1 10X	0.36818	24563	301981	0.000	13-Jan-09	17:04:58	14
101	13JAN08A 101	0901040-2 10X	0.31571	21161	303866	0.000	13-Jan-09	17:08:05	14
102	13JAN08A 102	0901040-2D 10X	0.31244	20856	302644	0.000	13-Jan-09	17:11:13	14
103	13JAN08A 103	0901040-2L 10X	0.063576	4040	294365	0.000	13-Jan-09	17:14:22	14
104	13JAN08A 104	0901040-2MS 10X	0.36446	24182	300364	0.000	13-Jan-09	17:17:30	14
105	13JAN08A 105	0901040-2MSD 10X	0.35960	24326	306275	0.000	13-Jan-09	17:20:36	14
106	13JAN08A 106	0901040-3 10X	0.30569	20776	308207	0.000	13-Jan-09	17:23:42	14
107	13JAN08A 107	0901040-4 10X	0.27265	18050	300556	0.000	13-Jan-09	17:26:49	14
108	13JAN08A 108	0901040-5 10X	0.31877	21216	301702	0.000	13-Jan-09	17:29:56	14
109	13JAN08A 109	CCV	2.0482	136824	293946	0.000	13-Jan-09	17:33:04	14
110	13JAN08A 110	CCB	0.0038617	162	291433	0.000	13-Jan-09	17:38:22	14
111	13JAN08A 111	IP090112-5MB 10X	0.0025329	74	281199	0.000	13-Jan-09	17:41:28	14
112	13JAN08A 112	IM090112-5LCS 10X	1.9705	126458	282676	0.000	13-Jan-09	17:44:34	14
113	13JAN08A 113	0901050-1 10X	0.53693	33604	282147	0.000	13-Jan-09	17:47:42	14
114	13JAN08A 114	0901050-2 10X	1.0677	69310	289792	0.000	13-Jan-09	17:50:51	14
115	13JAN08A 115	0901050-2D 10X	1.1067	72282	291363	0.000	13-Jan-09	17:54:00	14
116	13JAN08A 116	0901050-2L 50X	0.20506	12906	286551	0.000	13-Jan-09	17:57:09	14
117	13JAN08A 117	0901050-2MS 10X	3.2533	209773	279930	0.000	13-Jan-09	18:02:30	14
118	13JAN08A 118	0901050-2MSD 10X	3.1323	205028	284503	0.000	13-Jan-09	18:05:38	14
119	13JAN08A 119	0901050-2A 10X	3.2203	215652	290822	0.000	13-Jan-09	18:08:45	14
120	13JAN08A 120	0901050-3 10X	1.1024	70142	283863	0.000	13-Jan-09	18:11:51	14
121	13JAN08A 121	CCV	2.0464	129542	278557	0.000	13-Jan-09	18:16:40	14
122	13JAN08A 122	CCB	0.0038334	151	274729	0.000	13-Jan-09	18:24:59	14
123	13JAN08A 123	0901050-4 10X	0.80557	51584	287151	0.000	13-Jan-09	18:28:06	14
124	13JAN08A 124	0901050-5 10X	1.0871	69229	284195	0.000	13-Jan-09	18:31:12	14

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
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Compound 25: 2Uranium

#	File name	Sample ID	PPB	CPS	IS	CPS	%StdDev	Aq Date	AqTime	IS#
125	13JAN08A 125	IP090112-3MB 10X	0.0024053	63	268015	0.000	0.000	13-Jan-09	18:34:19	14
126	13JAN08A 126	IP090112-3LCS 10X	2.0479	128024	275078	0.000	0.000	13-Jan-09	18:39:39	14
127	13JAN08A 127	IP090112-3LCS 10X	2.0352	128974	278906	0.000	0.000	13-Jan-09	18:42:48	14
128	13JAN08A 128	0901033-1 10X	3.8282	243959	275287	0.000	0.000	13-Jan-09	18:45:57	14
129	13JAN08A 129	0901033-1L 50X	0.75533	47666	283252	0.000	0.000	13-Jan-09	18:49:06	14
130	13JAN08A 130	0901033-1A 10X	6.0371	375845	266007	0.000	0.000	13-Jan-09	18:52:15	14
131	13JAN08A 131	0901033-2 10X	2.8610	178548	272006	0.000	0.000	13-Jan-09	18:55:26	14
132	13JAN08A 132	0901033-3 200X	0.17066	10643	284480	0.000	0.000	13-Jan-09	18:58:34	14
133	13JAN08A 133	CCV	2.0521	129592	277871	0.000	0.000	13-Jan-09	19:01:41	14
134	13JAN08A 134	CCB	0.0043074	175	267561	0.000	0.000	13-Jan-09	19:06:59	14
135	13JAN08A 135	0901033-4 50X	0.63495	38753	274589	0.000	0.000	13-Jan-09	19:10:04	14
136	13JAN08A 136	0901033-5 10X	3.2540	199407	266042	0.000	0.000	13-Jan-09	19:13:10	14
137	13JAN08A 137	0901033-6 10X	2.6945	169345	274420	0.000	0.000	13-Jan-09	19:16:17	14
138	13JAN08A 138	0901033-7 10X	3.0738	193217	273373	0.000	0.000	13-Jan-09	19:19:25	14
139	13JAN08A 139	0901033-8 50X	0.60150	37870	283444	0.000	0.000	13-Jan-09	19:22:34	14
140	13JAN08A 140	CCV	2.1230	129239	267613	0.000	0.000	13-Jan-09	19:25:42	14
141	13JAN08A 141	CCB	0.0045085	190	272070	0.000	0.000	13-Jan-09	19:31:02	14
142	13JAN08A 142	RINSE								

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
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Compound 26: 55Mn

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	13JAN08A 01	RINSE	0	1596	338380	1.305	13-Jan-09	11:08:38	13
2	13JAN08A 02	RINSE	0	1630	336524	1.273	13-Jan-09	11:10:58	13
3	13JAN08A 03	RINSE	0	1579	335727	1.275	13-Jan-09	11:13:35	13
4	13JAN08A 04	RINSE	0	1588	333807	1.330	13-Jan-09	11:16:12	13
5	13JAN08A 05	0 STD	0	1657	329408	1.234	13-Jan-09	11:19:18	13
6	13JAN08A 06	L/100 STD	0.058912	4382	338758	0.711	13-Jan-09	11:22:24	13
7	13JAN08A 07	L/20 STD	0.26399	12304	340701	0.376	13-Jan-09	11:25:30	13
8	13JAN08A 08	L/10 STD	0.49252	21131	340975	0.295	13-Jan-09	11:28:36	13
9	13JAN08A 09	LOW/2 STD	2.5076	98175	337071	0.137	13-Jan-09	11:31:43	13
10	13JAN08A 10	LOW STD	5.0383	195319	335488	0.097	13-Jan-09	11:34:50	13
11	13JAN08A 11	MID STD	9.8994	392047	341312	0.066	13-Jan-09	11:37:57	13
12	13JAN08A 12	HIGH/2 STD	25.049	999191	339456	0.041	13-Jan-09	11:41:16	13
13	13JAN08A 13	HIGH STD	49.990	1972108	341859	0.029	13-Jan-09	11:44:51	13
14	13JAN08A 14	HIGH STD READBACK	50.406	1976599	340067	0.030	13-Jan-09	11:48:42	13
15	13JAN08A 15	ICV	12.611	496215	338054	0.060	13-Jan-09	11:52:32	13
16	13JAN08A 16	ICB	0	1815	335273	1.196	13-Jan-09	11:59:33	13
17	13JAN08A 17	CRI_L/100	0.062862	4559	340689	0.686	13-Jan-09	12:02:41	13
18	13JAN08A 18	CRI_L/20	0.25520	11835	336989	0.428	13-Jan-09	12:05:48	13
19	13JAN08A 19	ICSA	0.64765	24900	313041	0.218	13-Jan-09	12:08:55	13
20	13JAN08A 20	ICSAB	11.143	406941	314275	0.045	13-Jan-09	12:12:01	13
21	13JAN08A 21	IP090109-2MB 10X	0	1981	340148	1.171	13-Jan-09	12:15:07	13
22	13JAN08A 22	IM090109-2LCS 10X	0	1914	345303	1.205	13-Jan-09	12:19:27	13
23	13JAN08A 23	0901019-2 10X	0.91034	38503	352180	0.242	13-Jan-09	12:22:34	13
24	13JAN08A 24	0901019-2D 10X	0.86070	35589	343203	0.248	13-Jan-09	12:25:42	13
25	13JAN08A 25	0901019-2L 50X	0.17574	8976	343430	0.500	13-Jan-09	12:28:50	13
26	13JAN08A 26	0901019-2MS 10X	0.87577	36465	345949	0.248	13-Jan-09	12:31:58	13
27	13JAN08A 27	CCV	9.8917	393692	343017	0.075	13-Jan-09	12:35:07	13
28	13JAN08A 28	CCB	0	1696	335633	1.319	13-Jan-09	12:38:14	13
29	13JAN08A 29	0901019-2MSD 10X	0.86470	36124	346845	0.263	13-Jan-09	12:41:20	13
30	13JAN08A 30	0901017-1 10X	1.3879	55433	338892	0.202	13-Jan-09	12:44:29	13
31	13JAN08A 31	0901017-2 10X	0.035350	3584	348841	0.835	13-Jan-09	12:49:20	13

Quantify Compound Summary Report 13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

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Compound 26: 55Mn

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
32	13JAN08A 32	0901021-4 10X	20.065	688780	292852	0.022	13-Jan-09	12:52:28	13
33	13JAN08A 33	0901021-11 10X	0.83376	34239	340212	0.259	13-Jan-09	12:55:35	13
34	13JAN08A 34	0901021-17 10X	1.0740	43957	343680	0.233	13-Jan-09	12:58:42	13
35	13JAN08A 35	0901021-24 10X	0.28888	13208	339287	0.444	13-Jan-09	13:01:48	13
36	13JAN08A 36	0901030-4 10X	2.2906	92057	345484	0.166	13-Jan-09	13:04:55	13
37	13JAN08A 37	IP090112-2MB 10X	0.058907	4237	327564	0.772	13-Jan-09	13:14:00	13
38	13JAN08A 38	IM090112-2LCS 10X	10.006	391801	337408	0.077	13-Jan-09	13:17:07	13
39	13JAN08A 39	CCV	9.8792	390742	340881	0.078	13-Jan-09	13:20:15	13
40	13JAN08A 40	CCB	0	2009	333417	1.209	13-Jan-09	13:23:23	13
41	13JAN08A 41	0901040-1 10X	16.082	554514	295133	0.048	13-Jan-09	13:26:29	13
42	13JAN08A 42	0901040-2 10X	0	3697292	289652	0.009	13-Jan-09	13:29:37	13
43	13JAN08A 43	0901040-2D 10X	22.307	3686866	289548	0.010	13-Jan-09	13:32:46	13
44	13JAN08A 44	0901040-2L 50X	0	863197	329676	0.048	13-Jan-09	13:35:56	13
45	13JAN08A 45	0901040-2MS 10X	0	4090415	300777	0.011	13-Jan-09	13:39:06	13
46	13JAN08A 46	0901040-2MSD 10X	11.653	4320443	307572	0.010	13-Jan-09	13:42:14	13
47	13JAN08A 47	0901040-3 10X	13.369	428381	316172	0.054	13-Jan-09	13:45:22	13
48	13JAN08A 48	0901040-4 10X	8.4500	528832	339549	0.061	13-Jan-09	13:48:29	13
49	13JAN08A 49	0901040-5 10X	0	330447	337588	0.074	13-Jan-09	13:51:37	13
50	13JAN08A 50	IP090109-4MB 10X	9.8248	1586	364096	1.356	13-Jan-09	13:54:45	13
51	13JAN08A 51	CCV	0	417782	366511	0.077	13-Jan-09	14:01:45	13
52	13JAN08A 52	CCB	0	2178	356678	1.197	13-Jan-09	14:04:52	13
53	13JAN08A 53	IM090109-4LCS 10X	0	1518	360687	1.410	13-Jan-09	14:07:59	13
54	13JAN08A 54	0901042-3 10X	9.5980	411286	369437	0.078	13-Jan-09	14:11:07	13
55	13JAN08A 55	0901042-3D 10X	9.2423	396132	369670	0.079	13-Jan-09	14:14:16	13
56	13JAN08A 56	0901042-3L 50X	2.0757	88398	365382	0.176	13-Jan-09	14:17:25	13
57	13JAN08A 57	0901042-3MS 10X	9.3026	390596	362118	0.081	13-Jan-09	14:20:34	13
58	13JAN08A 58	0901042-3MSD 10X	9.3184	388457	359517	0.080	13-Jan-09	14:23:44	13
59	13JAN08A 59	0901042-4 10X	7.8456	328231	361385	0.086	13-Jan-09	14:26:55	13
60	13JAN08A 60	0901042-9 10X	8.9238	376902	364410	0.081	13-Jan-09	14:30:03	13
61	13JAN08A 61	0901042-10 10X	5.9445	252060	366848	0.101	13-Jan-09	14:33:10	13
62	13JAN08A 62	0901007-1 10X	4.0781	169457	359436	0.124	13-Jan-09	14:36:18	13

①=do not use for Mn

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 26: 55Mn

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
63	13JAN08A 63	CCV	9.8680	402723	351738	0.078	13-Jan-09	14:39:26	13
64	13JAN08A 64	CCB	0.0025122	2281	347427	1.161	13-Jan-09	14:42:33	13
65	13JAN08A 65	0901020-2 10X	5.2807	220758	361769	0.111	13-Jan-09	14:45:41	13
66	13JAN08A 66	0901020-3 10X	4.0349	169704	363799	0.125	13-Jan-09	14:48:48	13
67	13JAN08A 67	ZZZZZZ	6.6958	275705	356055	0.096	13-Jan-09	14:51:56	13
68	13JAN08A 68	0901031-4 10X		11248291	356271	0.009	13-Jan-09	14:55:05	13
69	13JAN08A 69	0901031-6 10X	0.25673	12761	361571	0.460	13-Jan-09	14:58:14	13
70	13JAN08A 70	ZZZZZZ	11.736	496380	363735	0.071	13-Jan-09	15:01:24	13
71	13JAN08A 71	ZZZZZZ	7.2938	302372	358295	0.092	13-Jan-09	15:04:33	13
72	13JAN08A 72	0901046-4 10X	13.916	577101	355753	0.064	13-Jan-09	15:07:43	13
73	13JAN08A 73	0901046-6 10X	13.737	569725	355863	0.065	13-Jan-09	15:10:53	13
74	13JAN08A 74	0901046-8 10X	0	6235183	363456	0.014	13-Jan-09	15:14:04	13
75	13JAN08A 75	CCV	9.9272	400157	347386	0.079	13-Jan-09	15:17:13	13
76	13JAN08A 76	CCB	0.0024681	2219	338240	1.149	13-Jan-09	15:20:20	13
77	13JAN08A 77	ZZZZZZ	0	7050380	351151	0.015	13-Jan-09	15:23:27	13
78	13JAN08A 78	0901031-2 10X	6.6245	273420	356928	0.094	13-Jan-09	15:37:14	13
79	13JAN08A 79	0901046-2 10X	7.3678	305393	358214	0.089	13-Jan-09	15:40:22	13
80	13JAN08A 80	0901044-1 100X	1.1795	49521	354007	0.230	13-Jan-09	15:43:31	13
81	13JAN08A 81	0901046-10 100X	18.861	788479	356957	0.054	13-Jan-09	15:46:41	13
82	13JAN08A 82	0901040-2 100X	9.9145	394083	342557	0.076	13-Jan-09	15:51:32	13
83	13JAN08A 83	0901040-2D 100X	10.893	423988	335046	0.074	13-Jan-09	15:54:39	13
84	13JAN08A 84	0901040-2L 500X	1.9878	80567	347415	0.181	13-Jan-09	15:57:48	13
85	13JAN08A 85	0901040-2MS 100X	10.681	422711	340765	0.074	13-Jan-09	16:00:57	13
86	13JAN08A 86	0901040-2MSD 100X	10.911	435290	343424	0.074	13-Jan-09	16:04:06	13
87	13JAN08A 87	CCV	9.8980	393299	342452	0.080	13-Jan-09	16:07:15	13
88	13JAN08A 88	CCB	0.0043863	2261	333626	1.172	13-Jan-09	16:10:23	13
89	13JAN08A 89	ICSA_CEC AS/Se only	0.077168	5411	360785	0.695	13-Jan-09	16:26:06	13
90	13JAN08A 90	ICSA_CEC	0.079157	5487	360454	0.694	13-Jan-09	16:29:12	13
91	13JAN08A 91	IP090109-2MB 10X	0.037668	3435	326028	0.933	13-Jan-09	16:32:18	13
92	13JAN08A 92	IM090109-2LCS 10X	0.0042423	2278	336943	1.140	13-Jan-09	16:35:25	13
93	13JAN08A 93	0901021-4 10X	0.046662	4164	360465	0.840	13-Jan-09	16:38:32	13

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
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Compound 26: 55Mn

#	File name	Sample ID	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
94	13JAN08A 94	0901017-1 10X	2367	356468	1.105	13-Jan-09	16:41:40	13
95	13JAN08A 95	0901017-2 10X	2568	354804	1.081	13-Jan-09	16:44:47	13
96	13JAN08A 96	IP090112-2MB 10X	3588	325149	0.907	13-Jan-09	16:50:21	13
97	13JAN08A 97	IM090112-2LCS 10X	2283	334185	1.120	13-Jan-09	16:53:27	13
98	13JAN08A 98	CCV	401741	345740	0.076	13-Jan-09	16:56:33	13
99	13JAN08A 99	CCB	2456	345891	1.082	13-Jan-09	17:01:51	13
100	13JAN08A 100	0901040-1 10X	5488	358982	0.704	13-Jan-09	17:04:58	13
101	13JAN08A 101	0901040-2 10X	6288	364876	0.633	13-Jan-09	17:08:05	13
102	13JAN08A 102	0901040-2D 10X	6283	367715	0.649	13-Jan-09	17:11:13	13
103	13JAN08A 103	0901040-2L 10X	2855	354601	1.002	13-Jan-09	17:14:22	13
104	13JAN08A 104	0901040-2MS 10X	4503	366784	0.796	13-Jan-09	17:17:30	13
105	13JAN08A 105	0901040-2MSD 10X	4866	373597	0.715	13-Jan-09	17:20:36	13
106	13JAN08A 106	0901040-3 10X	3807	371008	1.018	13-Jan-09	17:23:42	13
107	13JAN08A 107	0901040-4 10X	4256	365440	0.819	13-Jan-09	17:26:49	13
108	13JAN08A 108	0901040-5 10X	4461	365283	0.808	13-Jan-09	17:29:56	13
109	13JAN08A 109	CCV	418749	359546	0.075	13-Jan-09	17:33:04	13
110	13JAN08A 110	CCB	2672	353716	1.023	13-Jan-09	17:38:22	13
111	13JAN08A 111	IP090112-5MB 10X	7508	328337	0.644	13-Jan-09	17:41:28	13
112	13JAN08A 112	IM090112-5LCS 10X	991	335814	2.000	13-Jan-09	17:44:34	13
113	13JAN08A 113	0901050-1 10X	3109097	388276	0.021	13-Jan-09	17:47:42	13
114	13JAN08A 114	0901050-2 10X	7708207	451735	0.011	13-Jan-09	17:50:51	13
115	13JAN08A 115	0901050-2D 10X	6446616	451223	0.013	13-Jan-09	17:54:00	13
116	13JAN08A 116	0901050-2L 50X	1525888	366202	0.034	13-Jan-09	17:57:09	13
117	13JAN08A 117	0901050-2MS 10X	6595538	437190	0.014	13-Jan-09	18:02:30	13
118	13JAN08A 118	0901050-2MSD 10X	5939061	442810	0.014	13-Jan-09	18:05:38	13
119	13JAN08A 119	0901050-2A 10X	7680745	446202	0.012	13-Jan-09	18:08:45	13
120	13JAN08A 120	0901050-3 10X	15813260	438557	0.006	13-Jan-09	18:11:51	13
121	13JAN08A 121	CCV	386372	333347	0.077	13-Jan-09	18:16:40	13
122	13JAN08A 122	CCB	2508	327546	1.065	13-Jan-09	18:24:59	13
123	13JAN08A 123	0901050-4 10X	17826724	424879	0.006	13-Jan-09	18:28:06	13
124	13JAN08A 124	0901050-5 10X	61272440	432332	0.002	13-Jan-09	18:31:12	13

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 26: 55Mn

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
125	13JAN08A 125	IP090112-3MB 10X	0.064139	4376	323526	0.853	13-Jan-09	18:34:19	13
126	13JAN08A 126	IP090112-3LCS 10X	0.0055290	2265	327971	1.161	13-Jan-09	18:39:39	13
127	13JAN08A 127	IP090112-3LCSD 10X	0	1830	330351	1.235	13-Jan-09	18:42:48	13
128	13JAN08A 128	0901033-1 10X	0	11794525	326342	0.009	13-Jan-09	18:45:57	13
129	13JAN08A 129	0901033-1L 50X	63.324	2391634	338031	0.028	13-Jan-09	18:49:06	13
130	13JAN08A 130	0901033-1A 10X		11437429	317748	0.009	13-Jan-09	18:52:15	13
131	13JAN08A 131	0901033-2 10X		9911110	325958	0.010	13-Jan-09	18:55:26	13
132	13JAN08A 132	0901033-3 200X	15.464	619951	343366	0.062	13-Jan-09	18:58:34	13
133	13JAN08A 133	CCV	9.9070	383185	333341	0.081	13-Jan-09	19:01:41	13
134	13JAN08A 134	CCB	0.021585	2786	319517	1.047	13-Jan-09	19:06:59	13
135	13JAN08A 135	0901033-4 50X	63.966	2353123	329903	0.027	13-Jan-09	19:10:04	13
136	13JAN08A 136	0901033-5 10X		11596149	314577	0.009	13-Jan-09	19:13:10	13
137	13JAN08A 137	0901033-6 10X	0	10336442	325684	0.010	13-Jan-09	19:16:17	13
138	13JAN08A 138	0901033-7 10X		11873373	322525	0.009	13-Jan-09	19:19:25	13
139	13JAN08A 139	0901033-8 50X	66.424	2458624	334604	0.027	13-Jan-09	19:22:34	13
140	13JAN08A 140	CCV	9.9972	381127	328524	0.081	13-Jan-09	19:25:42	13
141	13JAN08A 141	CCB	0.032597	3241	325300	0.956	13-Jan-09	19:31:02	13
142	13JAN08A 142	RINSE							

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 1: 115In

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	13JAN08A 01	RINSE	1.0098	747427	0.010	0.010	13-Jan-09	11:08:38	0
2	13JAN08A 02	RINSE	1.0107	748055	0.011	0.011	13-Jan-09	11:10:58	0
3	13JAN08A 03	RINSE	1.0008	740771	0.011	0.011	13-Jan-09	11:13:35	0
4	13JAN08A 04	RINSE	0.98913	732114	0.015	0.015	13-Jan-09	11:16:12	0
5	13JAN08A 05	0 STD	0.97997	725341	0.014	0.014	13-Jan-09	11:19:18	0
6	13JAN08A 06	L/100 STD	1.0029	742307	0.012	0.012	13-Jan-09	11:22:24	0
7	13JAN08A 07	L/20 STD	1.0101	747636	0.013	0.013	13-Jan-09	11:25:30	0
8	13JAN08A 08	L/10 STD	1.0129	749731	0.014	0.014	13-Jan-09	11:28:36	0
9	13JAN08A 09	LOW/2 STD	0.99507	736512	0.012	0.012	13-Jan-09	11:31:43	0
10	13JAN08A 10	LOW STD	0.99579	737047	0.015	0.015	13-Jan-09	11:34:50	0
11	13JAN08A 11	MID STD	0.99529	736675	0.013	0.013	13-Jan-09	11:37:57	0
12	13JAN08A 12	HIGH/2 STD	0.99963	739887	0.023	0.023	13-Jan-09	11:41:16	0
13	13JAN08A 13	HIGH STD	1.0083	746333	0.025	0.025	13-Jan-09	11:44:51	0
14	13JAN08A 14	HIGH STD READBACK	1.0082	746263	0.023	0.023	13-Jan-09	11:48:42	0
15	13JAN08A 15	ICV	0.99057	733184	0.018	0.018	13-Jan-09	11:52:32	0
16	13JAN08A 16	ICB	0.97614	722502	0.011	0.011	13-Jan-09	11:59:33	0
17	13JAN08A 17	CRI_L/100	0.98931	732253	0.012	0.012	13-Jan-09	12:02:41	0
18	13JAN08A 18	CRI_L/20	0.99045	733091	0.013	0.013	13-Jan-09	12:05:48	0
19	13JAN08A 19	ICSA	0.91684	678610	0.015	0.015	13-Jan-09	12:08:55	0
20	13JAN08A 20	ICSAB	0.92567	685149	0.013	0.013	13-Jan-09	12:12:01	0
21	13JAN08A 21	IP090109-2MB 10X	0.98504	729088	0.013	0.013	13-Jan-09	12:15:07	0
22	13JAN08A 22	IM090109-2LCS 10X	0.99510	736535	0.015	0.015	13-Jan-09	12:19:27	0
23	13JAN08A 23	0901019-2 10X	1.0134	750080	0.012	0.012	13-Jan-09	12:22:34	0
24	13JAN08A 24	0901019-2D 10X	0.99764	738420	0.012	0.012	13-Jan-09	12:25:42	0
25	13JAN08A 25	0901019-2L 50X	0.99959	739863	0.014	0.014	13-Jan-09	12:28:50	0
26	13JAN08A 26	0901019-2MS 10X	1.0086	746543	0.012	0.012	13-Jan-09	12:31:58	0
27	13JAN08A 27	CCV	1.0009	740818	0.020	0.020	13-Jan-09	12:35:07	0
28	13JAN08A 28	CCB	0.97633	722642	0.013	0.013	13-Jan-09	12:38:14	0
29	13JAN08A 29	0901019-2MSD 10X	1.0046	743540	0.011	0.011	13-Jan-09	12:41:20	0
30	13JAN08A 30	0901017-1 10X	0.98139	726388	0.016	0.016	13-Jan-09	12:44:29	0
31	13JAN08A 31	0901017-2 10X	0.99749	738304	0.013	0.013	13-Jan-09	12:49:20	0

Quantify Compound Summary Report
13JAN09A

Sample List: D:\Masslynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\Masslynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 1: 115In

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
32	13JAN08A 32	0901021-4 10X	0.84644	626502	0.016	0.016	13-Jan-09	12:52:28	0
33	13JAN08A 33	0901021-11 10X	0.99554	736861	0.013	0.013	13-Jan-09	12:55:35	0
34	13JAN08A 34	0901021-17 10X	0.99406	735767	0.012	0.012	13-Jan-09	12:58:42	0
35	13JAN08A 35	0901021-24 10X	0.99667	737699	0.013	0.013	13-Jan-09	13:01:48	0
36	13JAN08A 36	0901030-4 10X	0.98774	731090	0.016	0.016	13-Jan-09	13:04:55	0
37	13JAN08A 37	IP090112-2MB 10X	0.95646	707933	0.013	0.013	13-Jan-09	13:14:00	0
38	13JAN08A 38	IM090112-2LCS 10X	0.97224	719616	0.021	0.021	13-Jan-09	13:17:07	0
39	13JAN08A 39	CCV	0.98029	725574	0.019	0.019	13-Jan-09	13:20:15	0
40	13JAN08A 40	CCB	0.95476	706676	0.014	0.014	13-Jan-09	13:23:23	0
41	13JAN08A 41	0901040-1 10X	0.86584	640861	0.021	0.021	13-Jan-09	13:26:29	0
42	13JAN08A 42	0901040-2 10X	0.83521	618194	0.030	0.030	13-Jan-09	13:29:37	0
43	13JAN08A 43	0901040-2D 10X	0.83131	615308	0.031	0.031	13-Jan-09	13:32:46	0
44	13JAN08A 44	0901040-2L 50X	0.96224	712215	0.033	0.033	13-Jan-09	13:35:56	0
45	13JAN08A 45	0901040-2MS 10X	0.86376	639325	0.034	0.034	13-Jan-09	13:39:06	0
46	13JAN08A 46	0901040-2MSD 10X	0.87527	647843	0.032	0.032	13-Jan-09	13:42:14	0
47	13JAN08A 47	0901040-3 10X	0.88593	655732	0.019	0.019	13-Jan-09	13:45:22	0
48	13JAN08A 48	0901040-4 10X	0.97152	719081	0.024	0.024	13-Jan-09	13:48:29	0
49	13JAN08A 49	0901040-5 10X	0.96988	717871	0.019	0.019	13-Jan-09	13:51:37	0
50	13JAN08A 50	IP090109-4MB 10X	1.0397	769583	0.015	0.015	13-Jan-09	13:54:45	0
51	13JAN08A 51	CCV	1.0306	762787	0.019	0.019	13-Jan-09	14:01:45	0
52	13JAN08A 52	CCB	1.0004	740445	0.012	0.012	13-Jan-09	14:04:52	0
53	13JAN08A 53	IM090109-4LCS 10X	1.0271	760250	0.012	0.012	13-Jan-09	14:07:59	0
54	13JAN08A 54	0901042-3 10X	1.0434	772259	0.021	0.021	13-Jan-09	14:11:07	0
55	13JAN08A 55	0901042-3D 10X	1.0550	780870	0.020	0.020	13-Jan-09	14:14:16	0
56	13JAN08A 56	0901042-3L 50X	1.0509	777821	0.016	0.016	13-Jan-09	14:17:25	0
57	13JAN08A 57	0901042-3MS 10X	1.0238	757807	0.018	0.018	13-Jan-09	14:20:34	0
58	13JAN08A 58	0901042-3MSD 10X	1.0225	756829	0.019	0.019	13-Jan-09	14:23:44	0
59	13JAN08A 59	0901042-4 10X	1.0327	764370	0.018	0.018	13-Jan-09	14:26:55	0
60	13JAN08A 60	0901042-9 10X	1.0460	774214	0.021	0.021	13-Jan-09	14:30:03	0
61	13JAN08A 61	0901042-10 10X	1.0526	779078	0.018	0.018	13-Jan-09	14:33:10	0
62	13JAN08A 62	0901007-1 10X	1.0105	747916	0.016	0.016	13-Jan-09	14:36:18	0

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 1: 115In

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
63	13JAN08A 63	CCV	1.0014	741213	0.016	0.016	13-Jan-09	14:39:26	0
64	13JAN08A 64	CCB	0.98956	732439	0.014	0.014	13-Jan-09	14:42:33	0
65	13JAN08A 65	0901020-2 10X	1.0340	765300	0.018	0.018	13-Jan-09	14:45:41	0
66	13JAN08A 66	0901020-3 10X	1.0268	759971	0.015	0.015	13-Jan-09	14:48:48	0
67	13JAN08A 67	ZZZZZZ	1.0116	748730	0.020	0.020	13-Jan-09	14:51:56	0
68	13JAN08A 68	0901031-4 10X	1.0048	743680	0.070	0.070	13-Jan-09	14:55:05	0
69	13JAN08A 69	0901031-6 10X	1.0182	753641	0.010	0.010	13-Jan-09	14:58:14	0
70	13JAN08A 70	ZZZZZZ	1.0300	762345	0.021	0.021	13-Jan-09	15:01:24	0
71	13JAN08A 71	ZZZZZZ	1.0230	757178	0.021	0.021	13-Jan-09	15:04:33	0
72	13JAN08A 72	0901046-4 10X	1.0060	744634	0.028	0.028	13-Jan-09	15:07:43	0
73	13JAN08A 73	0901046-6 10X	0.99859	739119	0.028	0.028	13-Jan-09	15:10:53	0
74	13JAN08A 74	0901046-8 10X	1.0193	754432	0.062	0.062	13-Jan-09	15:14:04	0
75	13JAN08A 75	CCV	0.99180	734092	0.018	0.018	13-Jan-09	15:17:13	0
76	13JAN08A 76	CCB	0.95517	706979	0.012	0.012	13-Jan-09	15:20:20	0
77	13JAN08A 77	ZZZZZZ	1.0071	745449	0.055	0.055	13-Jan-09	15:23:27	0
78	13JAN08A 78	0901031-2 10X	1.0183	753734	0.021	0.021	13-Jan-09	15:37:14	0
79	13JAN08A 79	0901046-2 10X	1.0036	742796	0.021	0.021	13-Jan-09	15:40:22	0
80	13JAN08A 80	0901044-1 100X	1.0046	743564	0.012	0.012	13-Jan-09	15:43:31	0
81	13JAN08A 81	0901046-10 100X	1.0140	750546	0.030	0.030	13-Jan-09	15:46:41	0
82	13JAN08A 82	0901040-2 100X	0.97281	720035	0.023	0.023	13-Jan-09	15:51:32	0
83	13JAN08A 83	0901040-2D 100X	0.95548	707212	0.024	0.024	13-Jan-09	15:54:39	0
84	13JAN08A 84	0901040-2L 500X	0.98724	730717	0.013	0.013	13-Jan-09	15:57:48	0
85	13JAN08A 85	0901040-2MS 100X	0.97161	719151	0.024	0.024	13-Jan-09	16:00:57	0
86	13JAN08A 86	0901040-2MSD 100X	0.98485	728948	0.024	0.024	13-Jan-09	16:04:06	0
87	13JAN08A 87	CCV	0.96702	715753	0.020	0.020	13-Jan-09	16:07:15	0
88	13JAN08A 88	CCB	0.95240	704931	0.015	0.015	13-Jan-09	16:10:23	0
89	13JAN08A 89	ICSA_CEC	1.0229	757108	0.012	0.012	13-Jan-09	16:26:06	0
90	13JAN08A 90	ICSAB_CEC	1.0209	755619	0.013	0.013	13-Jan-09	16:29:12	0
91	13JAN08A 91	IP090109-2MB 10X	0.94856	702092	0.015	0.015	13-Jan-09	16:32:18	0
92	13JAN08A 92	IM090109-2LCS 10X	0.95328	705583	0.019	0.019	13-Jan-09	16:35:25	0
93	13JAN08A 93	0901021-4 10X	1.0237	757714	0.012	0.012	13-Jan-09	16:38:32	0

Quantify Compound Summary Report
13JAN09A

Sample List: D:\Masslynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\Masslynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 1: 115In

#	File name	Sample ID	PPB	CPS	IS	CPS %StdDev	Aq Date	AqTime	IS#
94	13JAN08A 94	0901017-1 10X	1.0091	746868		0.012	13-Jan-09	16:41:40	0
95	13JAN08A 95	0901017-2 10X	1.0085	746450		0.013	13-Jan-09	16:44:47	0
96	13JAN08A 96	IP090112-2MB 10X	0.94089	696413		0.014	13-Jan-09	16:50:21	0
97	13JAN08A 97	IM090112-2LCS 10X	0.96372	713309		0.015	13-Jan-09	16:53:27	0
98	13JAN08A 98	CCV	0.98346	727924		0.019	13-Jan-09	16:56:33	0
99	13JAN08A 99	CCB	0.98526	729251		0.015	13-Jan-09	17:01:51	0
100	13JAN08A 100	0901040-1 10X	1.0354	766371		0.012	13-Jan-09	17:04:58	0
101	13JAN08A 101	0901040-2 10X	1.0430	771956		0.011	13-Jan-09	17:08:05	0
102	13JAN08A 102	0901040-2D 10X	1.0353	766255		0.013	13-Jan-09	17:11:13	0
103	13JAN08A 103	0901040-2L 10X	0.99959	739863		0.012	13-Jan-09	17:14:22	0
104	13JAN08A 104	0901040-2MS 10X	1.0424	771561		0.013	13-Jan-09	17:17:30	0
105	13JAN08A 105	0901040-2MSD 10X	1.0651	788364		0.011	13-Jan-09	17:20:36	0
106	13JAN08A 106	0901040-3 10X	1.0541	780195		0.011	13-Jan-09	17:23:42	0
107	13JAN08A 107	0901040-4 10X	1.0408	770374		0.012	13-Jan-09	17:26:49	0
108	13JAN08A 108	0901040-5 10X	1.0419	771165		0.013	13-Jan-09	17:29:56	0
109	13JAN08A 109	CCV	1.0085	746450		0.021	13-Jan-09	17:33:04	0
110	13JAN08A 110	CCB	0.99651	737583		0.016	13-Jan-09	17:38:22	0
111	13JAN08A 111	IP090112-5MB 10X	0.93923	695180		0.013	13-Jan-09	17:41:28	0
112	13JAN08A 112	IM090112-5LCS 10X	0.95601	707607		0.014	13-Jan-09	17:44:34	0
113	13JAN08A 113	0901050-1 10X	0.95341	705676		0.045	13-Jan-09	17:47:42	0
114	13JAN08A 114	0901050-2 10X	0.98931	732253		0.053	13-Jan-09	17:50:51	0
115	13JAN08A 115	0901050-2D 10X	0.98466	728809		0.054	13-Jan-09	17:54:00	0
116	13JAN08A 116	0901050-2L 50X	0.97975	725178		0.038	13-Jan-09	17:57:09	0
117	13JAN08A 117	0901050-2MS 10X	0.95840	709376		0.052	13-Jan-09	18:02:30	0
118	13JAN08A 118	0901050-2MSD 10X	0.97120	718848		0.051	13-Jan-09	18:05:38	0
119	13JAN08A 119	0901050-2A 10X	0.98397	728297		0.051	13-Jan-09	18:08:45	0
120	13JAN08A 120	0901050-3 10X	0.96488	714170		0.064	13-Jan-09	18:11:51	0
121	13JAN08A 121	CCV	0.95234	704884		0.021	13-Jan-09	18:16:40	0
122	13JAN08A 122	CCB	0.93850	694644		0.014	13-Jan-09	18:24:59	0
123	13JAN08A 123	0901050-4 10X	0.97192	719383		0.066	13-Jan-09	18:28:06	0
124	13JAN08A 124	0901050-5 10X	0.96592	714938		0.078	13-Jan-09	18:31:12	0

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 1: 115In

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
125	13JAN08A 125	IP090112-3MB 10X	0.92306	683218		0.015	13-Jan-09	18:34:19	0
126	13JAN08A 126	IP090112-3LCS 10X	0.93039	688640		0.013	13-Jan-09	18:39:39	0
127	13JAN08A 127	IP090112-3LCS 10X	0.94441	699020		0.014	13-Jan-09	18:42:48	0
128	13JAN08A 128	0901033-1 10X	0.93278	690409		0.059	13-Jan-09	18:45:57	0
129	13JAN08A 129	0901033-1L 50X	0.97780	723735		0.045	13-Jan-09	18:49:06	0
130	13JAN08A 130	0901033-1A 10X	0.90769	671837		0.057	13-Jan-09	18:52:15	0
131	13JAN08A 131	0901033-2 10X	0.93583	692666		0.058	13-Jan-09	18:55:26	0
132	13JAN08A 132	0901033-3 200X	0.97790	723805		0.029	13-Jan-09	18:58:34	0
133	13JAN08A 133	CCV	0.95444	706444		0.020	13-Jan-09	19:01:41	0
134	13JAN08A 134	CCB	0.91863	679936		0.012	13-Jan-09	19:06:59	0
135	13JAN08A 135	0901033-4 50X	0.94089	696413		0.046	13-Jan-09	19:10:04	0
136	13JAN08A 136	0901033-5 10X	0.90785	671954		0.061	13-Jan-09	19:13:10	0
137	13JAN08A 137	0901033-6 10X	0.93781	694132		0.060	13-Jan-09	19:16:17	0
138	13JAN08A 138	0901033-7 10X	0.93586	692690		0.061	13-Jan-09	19:19:25	0
139	13JAN08A 139	0901033-8 50X	0.97230	719663		0.048	13-Jan-09	19:22:34	0
140	13JAN08A 140	CCV	0.92055	681356		0.027	13-Jan-09	19:25:42	0
141	13JAN08A 141	CCB	0.92413	684009		0.016	13-Jan-09	19:31:02	0
142	13JAN08A 142	RINSE							

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 2: 103Rh

#	File name	Sample ID	PPB	CPS	IS	CPS %stdDev	Aq Date	AqTime	IS#
1	13JAN08A 01	RINSE	0.99776	719546	0.013	0.013	13-Jan-09	11:08:38	0
2	13JAN08A 02	RINSE	1.0016	722339	0.012	0.012	13-Jan-09	11:10:58	0
3	13JAN08A 03	RINSE	0.99867	720198	0.012	0.012	13-Jan-09	11:13:35	0
4	13JAN08A 04	RINSE	0.98644	711378	0.012	0.012	13-Jan-09	11:16:12	0
5	13JAN08A 05	0 STD	0.98324	709074	0.012	0.012	13-Jan-09	11:19:18	0
6	13JAN08A 06	L/100 STD	0.98847	712844	0.010	0.010	13-Jan-09	11:22:24	0
7	13JAN08A 07	L/20 STD	1.0059	725434	0.014	0.014	13-Jan-09	11:25:30	0
8	13JAN08A 08	L/10 STD	1.0090	727622	0.015	0.015	13-Jan-09	11:28:36	0
9	13JAN08A 09	LOW/2 STD	0.98763	712239	0.013	0.013	13-Jan-09	11:31:43	0
10	13JAN08A 10	LOW STD	0.99337	716381	0.018	0.018	13-Jan-09	11:34:50	0
11	13JAN08A 11	MID STD	0.99809	719779	0.019	0.019	13-Jan-09	11:37:57	0
12	13JAN08A 12	HIGH/2 STD	1.0258	739794	0.031	0.031	13-Jan-09	11:41:16	0
13	13JAN08A 13	HIGH STD	1.0085	727273	0.025	0.025	13-Jan-09	11:44:51	0
14	13JAN08A 14	HIGH STD READBACK	1.0135	730903	0.027	0.027	13-Jan-09	11:48:42	0
15	13JAN08A 15	ICV	0.98711	711866	0.018	0.018	13-Jan-09	11:52:32	0
16	13JAN08A 16	ICB	0.98550	710703	0.011	0.011	13-Jan-09	11:59:33	0
17	13JAN08A 17	CRI_L/100	0.99234	715636	0.013	0.013	13-Jan-09	12:02:41	0
18	13JAN08A 18	CRI_L/20	0.98844	712820	0.015	0.015	13-Jan-09	12:05:48	0
19	13JAN08A 19	ICSA	0.88333	637021	0.014	0.014	13-Jan-09	12:08:55	0
20	13JAN08A 20	ICSAB	0.88243	636370	0.013	0.013	13-Jan-09	12:12:01	0
21	13JAN08A 21	IP090109-2MB 10X	0.99395	716800	0.013	0.013	13-Jan-09	12:15:07	0
22	13JAN08A 22	IM090109-2LCS 10X	1.0099	728297	0.012	0.012	13-Jan-09	12:19:27	0
23	13JAN08A 23	0901019-2 10X	1.0209	736210	0.014	0.014	13-Jan-09	12:22:34	0
24	13JAN08A 24	0901019-2D 10X	1.0072	726319	0.013	0.013	13-Jan-09	12:25:42	0
25	13JAN08A 25	0901019-2L 50X	1.0082	727063	0.013	0.013	13-Jan-09	12:28:50	0
26	13JAN08A 26	0901019-2MS 10X	1.0124	730112	0.014	0.014	13-Jan-09	12:31:58	0
27	13JAN08A 27	CCV	1.0083	727110	0.021	0.021	13-Jan-09	12:35:07	0
28	13JAN08A 28	CCB	0.98117	707584	0.015	0.015	13-Jan-09	12:38:14	0
29	13JAN08A 29	0901019-2MSD 10X	1.0025	722967	0.012	0.012	13-Jan-09	12:41:20	0
30	13JAN08A 30	0901017-1 10X	0.97853	705676	0.012	0.012	13-Jan-09	12:44:29	0
31	13JAN08A 31	0901017-2 10X	1.0015	722269	0.012	0.012	13-Jan-09	12:49:20	0

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 2: 103Rh

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
32	13JAN08A 32	0901021-4 10X	0.79816	575604	0.014	0.014	13-Jan-09	12:52:28	0
33	13JAN08A 33	0901021-11 10X	0.97453	702790	0.013	0.013	13-Jan-09	12:55:35	0
34	13JAN08A 34	0901021-17 10X	0.99115	714775	0.012	0.012	13-Jan-09	12:58:42	0
35	13JAN08A 35	0901021-24 10X	1.0003	721362	0.012	0.012	13-Jan-09	13:01:48	0
36	13JAN08A 36	0901030-4 10X	1.0006	721618	0.014	0.014	13-Jan-09	13:04:55	0
37	13JAN08A 37	IP090112-2MB 10X	0.96933	699043	0.013	0.013	13-Jan-09	13:14:00	0
38	13JAN08A 38	IM090112-2LCS 10X	0.99008	714007	0.020	0.020	13-Jan-09	13:17:07	0
39	13JAN08A 39	CCV	0.99647	718615	0.020	0.020	13-Jan-09	13:20:15	0
40	13JAN08A 40	CCB	0.97950	706374	0.013	0.013	13-Jan-09	13:23:23	0
41	13JAN08A 41	0901040-1 10X	0.81840	590196	0.022	0.022	13-Jan-09	13:26:29	0
42	13JAN08A 42	0901040-2 10X	0.78748	567901	0.031	0.031	13-Jan-09	13:29:37	0
43	13JAN08A 43	0901040-2D 10X	0.78509	566179	0.033	0.033	13-Jan-09	13:32:46	0
44	13JAN08A 44	0901040-2L 50X	0.93525	674467	0.032	0.032	13-Jan-09	13:35:56	0
45	13JAN08A 45	0901040-2MS 10X	0.81243	585891	0.035	0.035	13-Jan-09	13:39:06	0
46	13JAN08A 46	0901040-2MSD 10X	0.83215	600111	0.030	0.030	13-Jan-09	13:42:14	0
47	13JAN08A 47	0901040-3 10X	0.84399	608652	0.022	0.022	13-Jan-09	13:45:22	0
48	13JAN08A 48	0901040-4 10X	0.93967	677655	0.027	0.027	13-Jan-09	13:48:29	0
49	13JAN08A 49	0901040-5 10X	0.92183	664786	0.021	0.021	13-Jan-09	13:51:37	0
50	13JAN08A 50	IP090109-4MB 10X	1.0574	762578	0.014	0.014	13-Jan-09	13:54:45	0
51	13JAN08A 51	CCV	1.0486	756178	0.021	0.021	13-Jan-09	14:01:45	0
52	13JAN08A 52	CCB	1.0105	728762	0.013	0.013	13-Jan-09	14:04:52	0
53	13JAN08A 53	IM090109-4LCS 10X	1.0389	749242	0.015	0.015	13-Jan-09	14:07:59	0
54	13JAN08A 54	0901042-3 10X	1.0516	758365	0.025	0.025	13-Jan-09	14:11:07	0
55	13JAN08A 55	0901042-3D 10X	1.0518	758528	0.021	0.021	13-Jan-09	14:14:16	0
56	13JAN08A 56	0901042-3L 50X	1.0635	766976	0.014	0.014	13-Jan-09	14:17:25	0
57	13JAN08A 57	0901042-3MS 10X	1.0226	737466	0.018	0.018	13-Jan-09	14:20:34	0
58	13JAN08A 58	0901042-3MSD 10X	1.0245	738816	0.017	0.017	13-Jan-09	14:23:44	0
59	13JAN08A 59	0901042-4 10X	1.0369	747753	0.019	0.019	13-Jan-09	14:26:55	0
60	13JAN08A 60	0901042-9 10X	1.0447	753408	0.020	0.020	13-Jan-09	14:30:03	0
61	13JAN08A 61	0901042-10 10X	1.0585	763369	0.018	0.018	13-Jan-09	14:33:10	0
62	13JAN08A 62	0901007-1 10X	1.0258	739747	0.016	0.016	13-Jan-09	14:36:18	0

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 2: 103Rh

#	File name	Sample ID	PPB	CPS	IS	CPS %StdDev	Aq Date	AqTime	IS#
63	13JAN08A 63	CCV	1.0238	738327		0.021	13-Jan-09	14:39:26	0
64	13JAN08A 64	CCB	0.99692	718941		0.014	13-Jan-09	14:42:33	0
65	13JAN08A 65	0901020-2 10X	1.0468	754944		0.020	13-Jan-09	14:45:41	0
66	13JAN08A 66	0901020-3 10X	1.0529	759296		0.017	13-Jan-09	14:48:48	0
67	13JAN08A 67	ZZZZZZ	1.0296	742493		0.020	13-Jan-09	14:51:56	0
68	13JAN08A 68	0901031-4 10X	1.0163	732882		0.072	13-Jan-09	14:55:05	0
69	13JAN08A 69	0901031-6 10X	1.0340	745682		0.010	13-Jan-09	14:58:14	0
70	13JAN08A 70	ZZZZZZ	1.0359	747031		0.023	13-Jan-09	15:01:24	0
71	13JAN08A 71	ZZZZZZ	1.0340	745658		0.020	13-Jan-09	15:04:33	0
72	13JAN08A 72	0901046-4 10X	1.0260	739887		0.026	13-Jan-09	15:07:43	0
73	13JAN08A 73	0901046-6 10X	1.0199	735535		0.025	13-Jan-09	15:10:53	0
74	13JAN08A 74	0901046-8 10X	1.0408	750615		0.062	13-Jan-09	15:14:04	0
75	13JAN08A 75	CCV	1.0116	729507		0.023	13-Jan-09	15:17:13	0
76	13JAN08A 76	CCB	0.97479	702976		0.014	13-Jan-09	15:20:20	0
77	13JAN08A 77	ZZZZZZ	1.0168	733254		0.055	13-Jan-09	15:23:27	0
78	13JAN08A 78	0901031-2 10X	1.0256	739654		0.020	13-Jan-09	15:37:14	0
79	13JAN08A 79	0901046-2 10X	1.0177	733929		0.018	13-Jan-09	15:40:22	0
80	13JAN08A 80	0901044-1 100X	1.0270	740655		0.012	13-Jan-09	15:43:31	0
81	13JAN08A 81	0901046-10 100X	1.0252	739328		0.029	13-Jan-09	15:46:41	0
82	13JAN08A 82	0901040-2 100X	0.97724	704745		0.023	13-Jan-09	15:51:32	0
83	13JAN08A 83	0901040-2D 100X	0.94942	684684		0.025	13-Jan-09	15:54:39	0
84	13JAN08A 84	0901040-2L 500X	1.0030	723316		0.015	13-Jan-09	15:57:48	0
85	13JAN08A 85	0901040-2MS 100X	0.97711	704652		0.023	13-Jan-09	16:00:57	0
86	13JAN08A 86	0901040-2MSD 100X	0.96827	698275		0.024	13-Jan-09	16:04:06	0
87	13JAN08A 87	CCV	0.99241	715683		0.017	13-Jan-09	16:07:15	0
88	13JAN08A 88	CCB	0.96430	695412		0.015	13-Jan-09	16:10:23	0
89	13JAN08A 89	ICSA_CEC	1.0343	745891		0.009	13-Jan-09	16:26:06	0
90	13JAN08A 90	ICSA_CEC	1.0382	748707		0.013	13-Jan-09	16:29:12	0
91	13JAN08A 91	IP090109-2MB 10X	0.96336	694738		0.016	13-Jan-09	16:32:18	0
92	13JAN08A 92	IM090109-2LCS 10X	0.97895	705978		0.016	13-Jan-09	16:35:25	0
93	13JAN08A 93	0901021-4 10X	1.0408	750592		0.013	13-Jan-09	16:38:32	0

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 2: 103Rh

#	File name	Sample ID	PPB	CPS	IS	CPS %StdDev	Aq Date	AqTime	IS#
94	13JAN08A 94	0901017-1 10X	1.0184	734464		0.014	13-Jan-09	16:41:40	0
95	13JAN08A 95	0901017-2 10X	1.0210	736279		0.014	13-Jan-09	16:44:47	0
96	13JAN08A 96	IP090112-2MB 10X	0.95810	690944		0.014	13-Jan-09	16:50:21	0
97	13JAN08A 97	IM090112-2LCS 10X	0.98543	710656		0.016	13-Jan-09	16:53:27	0
98	13JAN08A 98	CCV	0.99476	717382		0.021	13-Jan-09	16:56:33	0
99	13JAN08A 99	CCB	0.99224	715567		0.013	13-Jan-09	17:01:51	0
100	13JAN08A 100	0901040-1 10X	1.0415	751058		0.012	13-Jan-09	17:04:58	0
101	13JAN08A 101	0901040-2 10X	1.0501	757318		0.011	13-Jan-09	17:08:05	0
102	13JAN08A 102	0901040-2D 10X	1.0519	758575		0.011	13-Jan-09	17:11:13	0
103	13JAN08A 103	0901040-2L 10X	1.0233	737978		0.013	13-Jan-09	17:14:22	0
104	13JAN08A 104	0901040-2MS 10X	1.0498	757062		0.011	13-Jan-09	17:17:30	0
105	13JAN08A 105	0901040-2MSD 10X	1.0640	767348		0.012	13-Jan-09	17:20:36	0
106	13JAN08A 106	0901040-3 10X	1.0641	767395		0.012	13-Jan-09	17:23:42	0
107	13JAN08A 107	0901040-4 10X	1.0577	762787		0.013	13-Jan-09	17:26:49	0
108	13JAN08A 108	0901040-5 10X	1.0483	755991		0.015	13-Jan-09	17:29:56	0
109	13JAN08A 109	CCV	1.0324	744495		0.021	13-Jan-09	17:33:04	0
110	13JAN08A 110	CCB	1.0109	729018		0.012	13-Jan-09	17:38:22	0
111	13JAN08A 111	IP090112-5MB 10X	0.95587	689338		0.012	13-Jan-09	17:41:28	0
112	13JAN08A 112	IM090112-5LCS 10X	0.98798	712495		0.014	13-Jan-09	17:44:34	0
113	13JAN08A 113	0901050-1 10X	0.95120	685964		0.045	13-Jan-09	17:47:42	0
114	13JAN08A 114	0901050-2 10X	0.97904	706048		0.057	13-Jan-09	17:50:51	0
115	13JAN08A 115	0901050-2D 10X	0.96953	699183		0.056	13-Jan-09	17:54:00	0
116	13JAN08A 116	0901050-2L 50X	0.98450	709981		0.038	13-Jan-09	17:57:09	0
117	13JAN08A 117	0901050-2MS 10X	0.95439	688268		0.053	13-Jan-09	18:02:30	0
118	13JAN08A 118	0901050-2MSD 10X	0.96759	697786		0.051	13-Jan-09	18:05:38	0
119	13JAN08A 119	0901050-2A 10X	0.97814	705396		0.053	13-Jan-09	18:08:45	0
120	13JAN08A 120	0901050-3 10X	0.95694	690106		0.065	13-Jan-09	18:11:51	0
121	13JAN08A 121	CCV	0.96433	695436		0.021	13-Jan-09	18:16:40	0
122	13JAN08A 122	CCB	0.95074	685638		0.013	13-Jan-09	18:24:59	0
123	13JAN08A 123	0901050-4 10X	0.97414	702511		0.067	13-Jan-09	18:28:06	0
124	13JAN08A 124	0901050-5 10X	0.97472	702930		0.080	13-Jan-09	18:31:12	0

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 2: 103Rh

#	File name	Sample ID	PPB	CPS	IS	CPS %StdDev	Aq Date	AqTime	IS#
125	13JAN08A 125	IP090112-3MB 10X	0.92764	668975		0.016	13-Jan-09	18:34:19	0
126	13JAN08A 126	IP090112-3LCS 10X	0.95123	685987		0.013	13-Jan-09	18:39:39	0
127	13JAN08A 127	IP090112-3LCS 10X	0.94606	682263		0.013	13-Jan-09	18:42:48	0
128	13JAN08A 128	0901033-1 10X	0.91702	661318		0.062	13-Jan-09	18:45:57	0
129	13JAN08A 129	0901033-1L 50X	0.95978	692154		0.047	13-Jan-09	18:49:06	0
130	13JAN08A 130	0901033-1A 10X	0.89198	643258		0.058	13-Jan-09	18:52:15	0
131	13JAN08A 131	0901033-2 10X	0.91315	658525		0.059	13-Jan-09	18:55:26	0
132	13JAN08A 132	0901033-3 200X	0.97953	706397		0.027	13-Jan-09	18:58:34	0
133	13JAN08A 133	CCV	0.96665	697111		0.023	13-Jan-09	19:01:41	0
134	13JAN08A 134	CCB	0.92751	668882		0.014	13-Jan-09	19:06:59	0
135	13JAN08A 135	0901033-4 50X	0.94774	683474		0.046	13-Jan-09	19:10:04	0
136	13JAN08A 136	0901033-5 10X	0.89930	648541		0.063	13-Jan-09	19:13:10	0
137	13JAN08A 137	0901033-6 10X	0.92189	664832		0.062	13-Jan-09	19:16:17	0
138	13JAN08A 138	0901033-7 10X	0.91402	659154		0.063	13-Jan-09	19:19:25	0
139	13JAN08A 139	0901033-8 50X	0.96162	693481		0.047	13-Jan-09	19:22:34	0
140	13JAN08A 140	CCV	0.94116	678726		0.021	13-Jan-09	19:25:42	0
141	13JAN08A 141	CCB	0.93325	673024		0.013	13-Jan-09	19:31:02	0
142	13JAN08A 142	RINSE							

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 13: 71Ga

#	File name	Sample ID	PPB	CPS	IS	CPS %StdDev	Aq Date	AqTime	IS#
1	13JAN08A 01	RINSE	1.0001	338380		0.022	13-Jan-09	11:08:38	0
2	13JAN08A 02	RINSE	0.99464	336524		0.021	13-Jan-09	11:10:58	0
3	13JAN08A 03	RINSE	0.99229	335727		0.019	13-Jan-09	11:13:35	0
4	13JAN08A 04	RINSE	0.98661	333807		0.021	13-Jan-09	11:16:12	0
5	13JAN08A 05	0 STD	0.97361	329408		0.021	13-Jan-09	11:19:18	0
6	13JAN08A 06	L/100 STD	1.0012	338758		0.020	13-Jan-09	11:22:24	0
7	13JAN08A 07	L/20 STD	1.0070	340701		0.019	13-Jan-09	11:25:30	0
8	13JAN08A 08	L/10 STD	1.0078	340975		0.018	13-Jan-09	11:28:36	0
9	13JAN08A 09	LOW/2 STD	0.99626	337071		0.019	13-Jan-09	11:31:43	0
10	13JAN08A 10	LOW STD	0.99158	335488		0.022	13-Jan-09	11:34:50	0
11	13JAN08A 11	MID STD	1.0088	341312		0.026	13-Jan-09	11:37:57	0
12	13JAN08A 12	HIGH/2 STD	1.0033	339456		0.031	13-Jan-09	11:41:16	0
13	13JAN08A 13	HIGH STD	1.0104	341859		0.034	13-Jan-09	11:44:51	0
14	13JAN08A 14	HIGH STD READBACK	1.0051	340067		0.035	13-Jan-09	11:48:42	0
15	13JAN08A 15	ICV	0.99917	338054		0.026	13-Jan-09	11:52:32	0
16	13JAN08A 16	ICB	0.99095	335273		0.023	13-Jan-09	11:59:33	0
17	13JAN08A 17	CRI_L/100	1.0070	340689		0.017	13-Jan-09	12:02:41	0
18	13JAN08A 18	CRI_L/20	0.99602	336989		0.020	13-Jan-09	12:05:48	0
19	13JAN08A 19	ICSA	0.92524	313041		0.020	13-Jan-09	12:08:55	0
20	13JAN08A 20	ICSAB	0.92888	314275		0.028	13-Jan-09	12:12:01	0
21	13JAN08A 21	IP090109-2MB 10X	1.0054	340148		0.021	13-Jan-09	12:15:07	0
22	13JAN08A 22	IM090109-2LCS 10X	1.0206	345303		0.022	13-Jan-09	12:19:27	0
23	13JAN08A 23	0901019-2 10X	1.0409	352180		0.021	13-Jan-09	12:22:34	0
24	13JAN08A 24	0901019-2D 10X	1.0144	343203		0.013	13-Jan-09	12:25:42	0
25	13JAN08A 25	0901019-2L 50X	1.0151	343430		0.019	13-Jan-09	12:28:50	0
26	13JAN08A 26	0901019-2MS 10X	1.0225	345949		0.016	13-Jan-09	12:31:58	0
27	13JAN08A 27	CCV	1.0138	343017		0.024	13-Jan-09	12:35:07	0
28	13JAN08A 28	CCB	0.99201	335633		0.025	13-Jan-09	12:38:14	0
29	13JAN08A 29	0901019-2MSD 10X	1.0251	346845		0.020	13-Jan-09	12:41:20	0
30	13JAN08A 30	0901017-1 10X	1.0016	338892		0.024	13-Jan-09	12:44:29	0
31	13JAN08A 31	0901017-2 10X	1.0310	348841		0.020	13-Jan-09	12:49:20	0

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 13: 71Ga

#	File name	Sample ID	PPB	CPS	IS	CPS %StdDev	Aq Date	AqTime	IS#
32	13JAN08A 32	0901021-4 10X	0.86556	292852		0.023	13-Jan-09	12:52:28	0
33	13JAN08A 33	0901021-11 10X	1.0055	340212		0.018	13-Jan-09	12:55:35	0
34	13JAN08A 34	0901021-17 10X	1.0158	343680		0.019	13-Jan-09	12:58:42	0
35	13JAN08A 35	0901021-24 10X	1.0028	339287		0.020	13-Jan-09	13:01:48	0
36	13JAN08A 36	0901030-4 10X	1.0211	345484		0.022	13-Jan-09	13:04:55	0
37	13JAN08A 37	IP090112-2MB 10X	0.96816	327564		0.025	13-Jan-09	13:14:00	0
38	13JAN08A 38	IM090112-2LCS 10X	0.99726	337408		0.031	13-Jan-09	13:17:07	0
39	13JAN08A 39	CCV	1.0075	340881		0.025	13-Jan-09	13:20:15	0
40	13JAN08A 40	CCB	0.98546	333417		0.022	13-Jan-09	13:23:23	0
41	13JAN08A 41	0901040-1 10X	0.87231	295133		0.038	13-Jan-09	13:26:29	0
42	13JAN08A 42	0901040-2 10X	0.85611	289652		0.041	13-Jan-09	13:29:37	0
43	13JAN08A 43	0901040-2D 10X	0.85580	289548		0.045	13-Jan-09	13:32:46	0
44	13JAN08A 44	0901040-2L 50X	0.97440	329676		0.046	13-Jan-09	13:35:56	0
45	13JAN08A 45	0901040-2MS 10X	0.88899	300777		0.045	13-Jan-09	13:39:06	0
46	13JAN08A 46	0901040-2MSD 10X	0.90907	307572		0.043	13-Jan-09	13:42:14	0
47	13JAN08A 47	0901040-3 10X	0.93449	316172		0.027	13-Jan-09	13:45:22	0
48	13JAN08A 48	0901040-4 10X	1.0036	339549		0.034	13-Jan-09	13:48:29	0
49	13JAN08A 49	0901040-5 10X	0.99779	337588		0.025	13-Jan-09	13:51:37	0
50	13JAN08A 50	IP090109-4MB 10X	1.0761	364096		0.026	13-Jan-09	14:01:45	0
51	13JAN08A 51	CCV	1.0833	366511		0.018	13-Jan-09	14:04:52	0
52	13JAN08A 52	CCB	1.0542	356678		0.023	13-Jan-09	14:07:59	0
53	13JAN08A 53	IM090109-4LCS 10X	1.0661	360687		0.026	13-Jan-09	14:11:07	0
54	13JAN08A 54	0901042-3 10X	1.0919	369437		0.028	13-Jan-09	14:14:16	0
55	13JAN08A 55	0901042-3D 10X	1.0926	369670		0.018	13-Jan-09	14:17:25	0
56	13JAN08A 56	0901042-3L 50X	1.0799	365382		0.029	13-Jan-09	14:20:34	0
57	13JAN08A 57	0901042-3MS 10X	1.0703	362118		0.026	13-Jan-09	14:23:44	0
58	13JAN08A 58	0901042-3MSD 10X	1.0626	359517		0.031	13-Jan-09	14:26:55	0
59	13JAN08A 59	0901042-4 10X	1.0681	361385		0.027	13-Jan-09	14:30:03	0
60	13JAN08A 60	0901042-9 10X	1.0771	364410		0.022	13-Jan-09	14:33:10	0
61	13JAN08A 61	0901042-10 10X	1.0843	366848		0.021	13-Jan-09	14:36:18	0
62	13JAN08A 62	0901007-1 10X	1.0624	359436					

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 13: 71Ga

#	File name	Sample ID	PPB	CPS	IS	CPS %StdDev	Aq Date	AqTime	IS#
63	13JAN08A 63	CCV	1.0396	351738		0.029	13-Jan-09	14:39:26	0
64	13JAN08A 64	CCB	1.0269	347427		0.025	13-Jan-09	14:42:33	0
65	13JAN08A 65	0901020-2 10X	1.0693	361769		0.023	13-Jan-09	14:45:41	0
66	13JAN08A 66	0901020-3 10X	1.0753	363799		0.023	13-Jan-09	14:48:48	0
67	13JAN08A 67	ZZZZZZ	1.0524	356055		0.030	13-Jan-09	14:51:56	0
68	13JAN08A 68	0901031-4 10X	1.0530	356271		0.102	13-Jan-09	14:55:05	0
69	13JAN08A 69	0901031-6 10X	1.0687	361571		0.020	13-Jan-09	14:58:14	0
70	13JAN08A 70	ZZZZZZ	1.0751	363735		0.033	13-Jan-09	15:01:24	0
71	13JAN08A 71	ZZZZZZ	1.0590	358295		0.028	13-Jan-09	15:04:33	0
72	13JAN08A 72	0901046-4 10X	1.0515	355753		0.038	13-Jan-09	15:07:43	0
73	13JAN08A 73	0901046-6 10X	1.0518	355863		0.039	13-Jan-09	15:10:53	0
74	13JAN08A 74	0901046-8 10X	1.0742	363456		0.089	13-Jan-09	15:14:04	0
75	13JAN08A 75	CCV	1.0267	347386		0.030	13-Jan-09	15:17:13	0
76	13JAN08A 76	CCB	0.99971	338240		0.023	13-Jan-09	15:20:20	0
77	13JAN08A 77	ZZZZZZ	1.0379	351151		0.080	13-Jan-09	15:23:27	0
78	13JAN08A 78	0901031-2 10X	1.0549	356928		0.025	13-Jan-09	15:37:14	0
79	13JAN08A 79	0901046-2 10X	1.0588	358214		0.030	13-Jan-09	15:40:22	0
80	13JAN08A 80	0901044-1 100X	1.0463	354007		0.022	13-Jan-09	15:43:31	0
81	13JAN08A 81	0901046-10 100X	1.0550	356957		0.044	13-Jan-09	15:46:41	0
82	13JAN08A 82	0901040-2 100X	1.0125	342557		0.034	13-Jan-09	15:51:32	0
83	13JAN08A 83	0901040-2D 100X	0.99027	335046		0.036	13-Jan-09	15:54:39	0
84	13JAN08A 84	0901040-2L 500X	1.0268	347415		0.023	13-Jan-09	15:57:48	0
85	13JAN08A 85	0901040-2MS 100X	1.0072	340765		0.032	13-Jan-09	16:00:57	0
86	13JAN08A 86	0901040-2MSD 100X	1.0150	343424		0.034	13-Jan-09	16:04:06	0
87	13JAN08A 87	CCV	1.0122	342452		0.030	13-Jan-09	16:07:15	0
88	13JAN08A 88	CCB	0.98608	333626		0.022	13-Jan-09	16:10:23	0
89	13JAN08A 89	ICSA_CEC	1.0663	360785		0.021	13-Jan-09	16:26:06	0
90	13JAN08A 90	ICSA_CEC	1.0654	360454		0.024	13-Jan-09	16:29:12	0
91	13JAN08A 91	IP090109-2MB 10X	0.96362	326028		0.029	13-Jan-09	16:32:18	0
92	13JAN08A 92	IM090109-2LCS 10X	0.99588	336943		0.030	13-Jan-09	16:35:25	0
93	13JAN08A 93	0901021-4 10X	1.0654	360465		0.019	13-Jan-09	16:38:32	0

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 13: 71Ga

#	File name	Sample ID	PPB	CPS	IS	CPS %StdDev	Aq Date	AqTime	IS#
94	13JAN08A 94	0901017-1 10X	1.0536	356468		0.021	13-Jan-09	16:41:40	0
95	13JAN08A 95	0901017-2 10X	1.0487	354804		0.019	13-Jan-09	16:44:47	0
96	13JAN08A 96	IP090112-2MB 10X	0.96102	325149		0.022	13-Jan-09	16:50:21	0
97	13JAN08A 97	IM090112-2LCS 10X	0.98773	334185		0.021	13-Jan-09	16:53:27	0
98	13JAN08A 98	CCV	1.0219	345740		0.031	13-Jan-09	16:56:33	0
99	13JAN08A 99	CCB	1.0223	345891		0.019	13-Jan-09	17:01:51	0
100	13JAN08A 100	0901040-1 10X	1.0610	358982		0.019	13-Jan-09	17:04:58	0
101	13JAN08A 101	0901040-2 10X	1.0784	364876		0.021	13-Jan-09	17:08:05	0
102	13JAN08A 102	0901040-2D 10X	1.0868	367715		0.017	13-Jan-09	17:11:13	0
103	13JAN08A 103	0901040-2L 10X	1.0481	354601		0.022	13-Jan-09	17:14:22	0
104	13JAN08A 104	0901040-2MS 10X	1.0841	366784		0.023	13-Jan-09	17:17:30	0
105	13JAN08A 105	0901040-2MSD 10X	1.1042	373597		0.020	13-Jan-09	17:20:36	0
106	13JAN08A 106	0901040-3 10X	1.0966	371008		0.016	13-Jan-09	17:23:42	0
107	13JAN08A 107	0901040-4 10X	1.0801	365440		0.017	13-Jan-09	17:26:49	0
108	13JAN08A 108	0901040-5 10X	1.0796	365283		0.023	13-Jan-09	17:29:56	0
109	13JAN08A 109	CCV	1.0627	359546		0.027	13-Jan-09	17:33:04	0
110	13JAN08A 110	CCB	1.0455	353716		0.026	13-Jan-09	17:38:22	0
111	13JAN08A 111	IP090112-5MB 10X	0.97045	328337		0.022	13-Jan-09	17:41:28	0
112	13JAN08A 112	IM090112-5LCS 10X	0.99254	335814		0.021	13-Jan-09	17:44:34	0
113	13JAN08A 113	0901050-1 10X	1.1476	388276		0.058	13-Jan-09	17:47:42	0
114	13JAN08A 114	0901050-2 10X	1.3352	451735		0.068	13-Jan-09	17:50:51	0
115	13JAN08A 115	0901050-2D 10X	1.3337	451223		0.067	13-Jan-09	17:54:00	0
116	13JAN08A 116	0901050-2L 50X	1.0824	366202		0.051	13-Jan-09	17:57:09	0
117	13JAN08A 117	0901050-2MS 10X	1.2922	437190		0.066	13-Jan-09	18:02:30	0
118	13JAN08A 118	0901050-2MSD 10X	1.3088	442810		0.062	13-Jan-09	18:05:38	0
119	13JAN08A 119	0901050-2A 10X	1.3188	446202		0.068	13-Jan-09	18:08:45	0
120	13JAN08A 120	0901050-3 10X	1.2962	438557		0.081	13-Jan-09	18:11:51	0
121	13JAN08A 121	CCV	0.98525	333347		0.028	13-Jan-09	18:16:40	0
122	13JAN08A 122	CCB	0.96811	327546		0.024	13-Jan-09	18:24:59	0
123	13JAN08A 123	0901050-4 10X	1.2558	424879		0.084	13-Jan-09	18:28:06	0
124	13JAN08A 124	0901050-5 10X	1.2778	432332		0.099	13-Jan-09	18:31:12	0

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 13: 71Ga

#	File name	Sample ID	PPB	CPS	IS	CPS	%StdDev	Aq Date	AqTime	IS#
125	13JAN08A 125	IP090112-3MB 10X	0.95623	323526		0.025		13-Jan-09	18:34:19	0
126	13JAN08A 126	IP090112-3LCS 10X	0.96936	327971		0.023		13-Jan-09	18:39:39	0
127	13JAN08A 127	IP090112-3LCS 10X	0.97640	330351		0.023		13-Jan-09	18:42:48	0
128	13JAN08A 128	0901033-1 10X	0.96455	326342		0.085		13-Jan-09	18:45:57	0
129	13JAN08A 129	0901033-1L 50X	0.99910	338031		0.064		13-Jan-09	18:49:06	0
130	13JAN08A 130	0901033-1A 10X	0.93915	317748		0.082		13-Jan-09	18:52:15	0
131	13JAN08A 131	0901033-2 10X	0.96341	325958		0.085		13-Jan-09	18:55:26	0
132	13JAN08A 132	0901033-3 200X	1.0149	343366		0.038		13-Jan-09	18:58:34	0
133	13JAN08A 133	CCV	0.98524	333341		0.030		13-Jan-09	19:01:41	0
134	13JAN08A 134	CCB	0.94438	319517		0.016		13-Jan-09	19:06:59	0
135	13JAN08A 135	0901033-4 50X	0.97507	329903		0.068		13-Jan-09	19:10:04	0
136	13JAN08A 136	0901033-5 10X	0.92978	314577		0.091		13-Jan-09	19:13:10	0
137	13JAN08A 137	0901033-6 10X	0.96260	325684		0.089		13-Jan-09	19:16:17	0
138	13JAN08A 138	0901033-7 10X	0.95327	322525		0.088		13-Jan-09	19:19:25	0
139	13JAN08A 139	0901033-8 50X	0.98897	334604		0.066		13-Jan-09	19:22:34	0
140	13JAN08A 140	CCV	0.97100	328524		0.034		13-Jan-09	19:25:42	0
141	13JAN08A 141	CCB	0.96147	325300		0.022		13-Jan-09	19:31:02	0
142	13JAN08A 142	RINSE								

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
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Printed: Wed Jan 14 11:01:03 2009

Compound 14: 195Pt

#	File name	Sample ID	PPB	CPS	IS	CPS	%StdDev	Aq Date	AqTime	IS#
1	13JAN08A 01	RINSE	1.0166	305932		0.018		13-Jan-09 11:08:38		0
2	13JAN08A 02	RINSE	1.0177	306275		0.020		13-Jan-09 11:10:58		0
3	13JAN08A 03	RINSE	1.0084	303471		0.023		13-Jan-09 11:13:35		0
4	13JAN08A 04	RINSE	0.99315	298886		0.023		13-Jan-09 11:16:12		0
5	13JAN08A 05	0 STD	0.98466	296332		0.022		13-Jan-09 11:19:18		0
6	13JAN08A 06	L/100 STD	0.99262	298729		0.019		13-Jan-09 11:22:24		0
7	13JAN08A 07	L/20 STD	1.0108	304186		0.022		13-Jan-09 11:25:30		0
8	13JAN08A 08	L/10 STD	1.0094	303773		0.022		13-Jan-09 11:28:36		0
9	13JAN08A 09	LOW/2 STD	0.99672	299962		0.028		13-Jan-09 11:31:43		0
10	13JAN08A 10	LOW STD	0.98953	297798		0.023		13-Jan-09 11:34:50		0
11	13JAN08A 11	MID STD	1.0012	301324		0.031		13-Jan-09 11:37:57		0
12	13JAN08A 12	HIGH/2 STD	1.0019	301533		0.032		13-Jan-09 11:41:16		0
13	13JAN08A 13	HIGH STD	1.0131	304902		0.038		13-Jan-09 11:44:51		0
14	13JAN08A 14	HIGH STD READBACK	1.0002	301004		0.040		13-Jan-09 11:48:42		0
15	13JAN08A 15	ICV	0.98147	295372		0.034		13-Jan-09 11:52:32		0
16	13JAN08A 16	ICB	0.98017	294982		0.024		13-Jan-09 11:59:33		0
17	13JAN08A 17	CRI_L/100	0.97892	294604		0.021		13-Jan-09 12:02:41		0
18	13JAN08A 18	CRI_L/20	0.98520	296495		0.028		13-Jan-09 12:05:48		0
19	13JAN08A 19	ICSA	0.91494	275351		0.024		13-Jan-09 12:08:55		0
20	13JAN08A 20	ICSAB	0.91088	274129		0.027		13-Jan-09 12:12:01		0
21	13JAN08A 21	IP090109-2MB 10X	0.98669	296943		0.021		13-Jan-09 12:15:07		0
22	13JAN08A 22	IM090109-2LCS 10X	0.99361	299025		0.023		13-Jan-09 12:19:27		0
23	13JAN08A 23	0901019-2 10X	0.99562	299631		0.023		13-Jan-09 12:22:34		0
24	13JAN08A 24	0901019-2D 10X	0.97060	292102		0.021		13-Jan-09 12:25:42		0
25	13JAN08A 25	0901019-2L 50X	0.97188	292486		0.022		13-Jan-09 12:28:50		0
26	13JAN08A 26	0901019-2MS 10X	0.99465	299340		0.021		13-Jan-09 12:31:58		0
27	13JAN08A 27	CCV	0.99577	299677		0.032		13-Jan-09 12:35:07		0
28	13JAN08A 28	CCB	0.96279	289751		0.022		13-Jan-09 12:38:14		0
29	13JAN08A 29	0901019-2MSD 10X	0.98470	296343		0.023		13-Jan-09 12:41:20		0
30	13JAN08A 30	0901017-1 10X	0.96521	290479		0.024		13-Jan-09 12:44:29		0
31	13JAN08A 31	0901017-2 10X	0.97629	293812		0.020		13-Jan-09 12:49:20		0

Quantify Compound Summary Report
13JAN09A

Sample List: D:\Masslynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\Masslynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

Printed: Wed Jan 14 11:01:03 2009

Compound 14: 195Pt

#	File name	Sample ID	PPB	CPS	IS	CPS %StdDev	Aq Date	AqTime	IS#
32	13JAN08A 32	0901021-4 10X	0.81147	244212		0.026	13-Jan-09	12:52:28	0
33	13JAN08A 33	0901021-11 10X	0.96801	291322		0.020	13-Jan-09	12:55:35	0
34	13JAN08A 34	0901021-17 10X	0.96910	291648		0.024	13-Jan-09	12:58:42	0
35	13JAN08A 35	0901021-24 10X	0.96658	290892		0.025	13-Jan-09	13:01:48	0
36	13JAN08A 36	0901030-4 10X	0.96853	291479		0.022	13-Jan-09	13:04:55	0
37	13JAN08A 37	IP090112-2MB 10X	0.93884	282543		0.022	13-Jan-09	13:14:00	0
38	13JAN08A 38	IM090112-2LCS 10X	0.95262	286691		0.031	13-Jan-09	13:17:07	0
39	13JAN08A 39	CCV	0.96007	288931		0.034	13-Jan-09	13:20:15	0
40	13JAN08A 40	CCB	0.94425	284172		0.022	13-Jan-09	13:23:23	0
41	13JAN08A 41	0901040-1 10X	0.82168	247284		0.039	13-Jan-09	13:26:29	0
42	13JAN08A 42	0901040-2 10X	0.79261	238534		0.049	13-Jan-09	13:29:37	0
43	13JAN08A 43	0901040-2D 10X	0.78779	237085		0.050	13-Jan-09	13:32:46	0
44	13JAN08A 44	0901040-2L 50X	0.92163	277364		0.052	13-Jan-09	13:35:56	0
45	13JAN08A 45	0901040-2MS 10X	0.81751	246028		0.053	13-Jan-09	13:39:06	0
46	13JAN08A 46	0901040-2MSD 10X	0.81880	246417		0.052	13-Jan-09	13:42:14	0
47	13JAN08A 47	0901040-3 10X	0.83408	251014		0.030	13-Jan-09	13:45:22	0
48	13JAN08A 48	0901040-4 10X	0.91148	274310		0.039	13-Jan-09	13:48:29	0
49	13JAN08A 49	0901040-5 10X	0.91258	274641		0.031	13-Jan-09	13:51:37	0
50	13JAN08A 50	IP090109-4MB 10X	1.0241	308207		0.024	13-Jan-09	13:54:45	0
51	13JAN08A 51	CCV	0.99900	300649		0.032	13-Jan-09	14:01:45	0
52	13JAN08A 52	CCB	0.96865	291514		0.023	13-Jan-09	14:04:52	0
53	13JAN08A 53	IM090109-4LCS 10X	0.99645	299881		0.025	13-Jan-09	14:07:59	0
54	13JAN08A 54	0901042-3 10X	1.0092	303715		0.033	13-Jan-09	14:11:07	0
55	13JAN08A 55	0901042-3D 10X	1.0218	307508		0.032	13-Jan-09	14:14:16	0
56	13JAN08A 56	0901042-3L 50X	0.99535	299549		0.029	13-Jan-09	14:17:25	0
57	13JAN08A 57	0901042-3MS 10X	0.98690	297007		0.033	13-Jan-09	14:20:34	0
58	13JAN08A 58	0901042-3MSD 10X	0.98340	295953		0.035	13-Jan-09	14:23:44	0
59	13JAN08A 59	0901042-4 10X	0.99475	299369		0.034	13-Jan-09	14:26:55	0
60	13JAN08A 60	0901042-9 10X	1.0016	301440		0.034	13-Jan-09	14:30:03	0
61	13JAN08A 61	0901042-10 10X	1.0085	303500		0.033	13-Jan-09	14:33:10	0
62	13JAN08A 62	0901007-1 10X	0.98472	296349		0.027	13-Jan-09	14:36:18	0

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

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Compound 14: 195Pt

#	File name	Sample ID	PPB	CPS	IS	CPS %StdDev	Aq Date	AqTime	IS#
63	13JAN08A 63	CCV	0.97890	294598		0.036	13-Jan-09	14:39:26	0
64	13JAN08A 64	CCB	0.96734	291119		0.028	13-Jan-09	14:42:33	0
65	13JAN08A 65	0901020-2 10X	0.99438	299258		0.028	13-Jan-09	14:45:41	0
66	13JAN08A 66	0901020-3 10X	0.99363	299031		0.027	13-Jan-09	14:48:48	0
67	13JAN08A 67	ZZZZZZ	0.97677	293958		0.034	13-Jan-09	14:51:56	0
68	13JAN08A 68	0901031-4 10X	0.96863	291508		0.114	13-Jan-09	14:55:05	0
69	13JAN08A 69	0901031-6 10X	0.98307	295855		0.023	13-Jan-09	14:58:14	0
70	13JAN08A 70	ZZZZZZ	0.99539	299561		0.038	13-Jan-09	15:01:24	0
71	13JAN08A 71	ZZZZZZ	0.98727	297117		0.035	13-Jan-09	15:04:33	0
72	13JAN08A 72	0901046-4 10X	0.97035	292026		0.040	13-Jan-09	15:07:43	0
73	13JAN08A 73	0901046-6 10X	0.96606	290735		0.044	13-Jan-09	15:10:53	0
74	13JAN08A 74	0901046-8 10X	0.98273	295750		0.100	13-Jan-09	15:14:04	0
75	13JAN08A 75	CCV	0.96347	289955		0.034	13-Jan-09	15:17:13	0
76	13JAN08A 76	CCB	0.93333	280884		0.025	13-Jan-09	15:20:20	0
77	13JAN08A 77	ZZZZZZ	0.96753	291177		0.088	13-Jan-09	15:23:27	0
78	13JAN08A 78	0901031-2 10X	0.98530	296524		0.035	13-Jan-09	15:37:14	0
79	13JAN08A 79	0901046-2 10X	0.97178	292457		0.035	13-Jan-09	15:40:22	0
80	13JAN08A 80	0901044-1 100X	0.97576	293655		0.027	13-Jan-09	15:43:31	0
81	13JAN08A 81	0901046-10 100X	0.97768	294231		0.044	13-Jan-09	15:46:41	0
82	13JAN08A 82	0901040-2 100X	0.95674	287930		0.038	13-Jan-09	15:51:32	0
83	13JAN08A 83	0901040-2D 100X	0.93774	282211		0.039	13-Jan-09	15:54:39	0
84	13JAN08A 84	0901040-2L 500X	0.96521	290479		0.026	13-Jan-09	15:57:48	0
85	13JAN08A 85	0901040-2MS 100X	0.96364	290007		0.037	13-Jan-09	16:00:57	0
86	13JAN08A 86	0901040-2MSD 100X	0.95500	287407		0.038	13-Jan-09	16:04:06	0
87	13JAN08A 87	CCV	0.95728	288093		0.037	13-Jan-09	16:07:15	0
88	13JAN08A 88	CCB	0.93101	280186		0.026	13-Jan-09	16:10:23	0
89	13JAN08A 89	ICSA_CEC	0.99369	299049		0.020	13-Jan-09	16:26:06	0
90	13JAN08A 90	ICSAB_CEC	1.0010	301254		0.025	13-Jan-09	16:29:12	0
91	13JAN08A 91	IP090109-2MB 10X	0.94004	282903		0.026	13-Jan-09	16:32:18	0
92	13JAN08A 92	IM090109-2LCS 10X	0.94814	285341		0.025	13-Jan-09	16:35:25	0
93	13JAN08A 93	0901021-4 10X	1.0045	302301		0.020	13-Jan-09	16:38:32	0

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

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Compound 14: 195Pt

#	File name	Sample ID	PPB	CPS	IS	CPS %StdDev	Aq Date	AqTime	IS#
94	13JAN08A 94	0901017-1 10X	0.98361	296017		0.022	13-Jan-09	16:41:40	0
95	13JAN08A 95	0901017-2 10X	0.98098	295226		0.020	13-Jan-09	16:44:47	0
96	13JAN08A 96	IP090112-2MB 10X	0.93344	280919		0.027	13-Jan-09	16:50:21	0
97	13JAN08A 97	IM090112-2LCS 10X	0.93965	282787		0.023	13-Jan-09	16:53:27	0
98	13JAN08A 98	CCV	0.96479	290351		0.034	13-Jan-09	16:56:33	0
99	13JAN08A 99	CCB	0.95013	285940		0.021	13-Jan-09	17:01:51	0
100	13JAN08A 100	0901040-1 10X	1.0034	301981		0.022	13-Jan-09	17:04:58	0
101	13JAN08A 101	0901040-2 10X	1.0097	303866		0.020	13-Jan-09	17:08:05	0
102	13JAN08A 102	0901040-2D 10X	1.0056	302644		0.022	13-Jan-09	17:11:13	0
103	13JAN08A 103	0901040-2L 10X	0.97812	294365		0.023	13-Jan-09	17:14:22	0
104	13JAN08A 104	0901040-2MS 10X	0.99806	300364		0.025	13-Jan-09	17:17:30	0
105	13JAN08A 105	0901040-2MSD 10X	1.0177	306275		0.021	13-Jan-09	17:20:36	0
106	13JAN08A 106	0901040-3 10X	1.0241	308207		0.016	13-Jan-09	17:23:42	0
107	13JAN08A 107	0901040-4 10X	0.99869	300556		0.023	13-Jan-09	17:26:49	0
108	13JAN08A 108	0901040-5 10X	1.0025	301702		0.020	13-Jan-09	17:29:56	0
109	13JAN08A 109	CCV	0.97673	293946		0.028	13-Jan-09	17:33:04	0
110	13JAN08A 110	CCB	0.96838	291433		0.022	13-Jan-09	17:38:22	0
111	13JAN08A 111	IP090112-5MB 10X	0.93437	281199		0.029	13-Jan-09	17:41:28	0
112	13JAN08A 112	IM090112-5LCS 10X	0.93928	282676		0.022	13-Jan-09	17:44:34	0
113	13JAN08A 113	0901050-1 10X	0.93752	282147		0.070	13-Jan-09	17:47:42	0
114	13JAN08A 114	0901050-2 10X	0.96293	289792		0.086	13-Jan-09	17:50:51	0
115	13JAN08A 115	0901050-2D 10X	0.96815	291363		0.085	13-Jan-09	17:54:00	0
116	13JAN08A 116	0901050-2L 50X	0.95216	286551		0.059	13-Jan-09	17:57:09	0
117	13JAN08A 117	0901050-2MS 10X	0.93016	279930		0.082	13-Jan-09	18:02:30	0
118	13JAN08A 118	0901050-2MSD 10X	0.94535	284503		0.079	13-Jan-09	18:05:38	0
119	13JAN08A 119	0901050-2A 10X	0.96635	290822		0.083	13-Jan-09	18:08:45	0
120	13JAN08A 120	0901050-3 10X	0.94323	283863		0.102	13-Jan-09	18:11:51	0
121	13JAN08A 121	CCV	0.92560	278557		0.036	13-Jan-09	18:16:40	0
122	13JAN08A 122	CCB	0.91288	274729		0.020	13-Jan-09	18:24:59	0
123	13JAN08A 123	0901050-4 10X	0.95415	287151		0.105	13-Jan-09	18:28:06	0
124	13JAN08A 124	0901050-5 10X	0.94433	284195		0.123	13-Jan-09	18:31:12	0

Quantify Compound Summary Report
13JAN09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\13JAN09A
 Last modified: Wed Jan 14 10:54:06 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_SB_TL_U_PB_MO_AG_AS_SE_MN+IS
 Last modified: Tue Jan 13 11:05:10 2009
 Job Code:

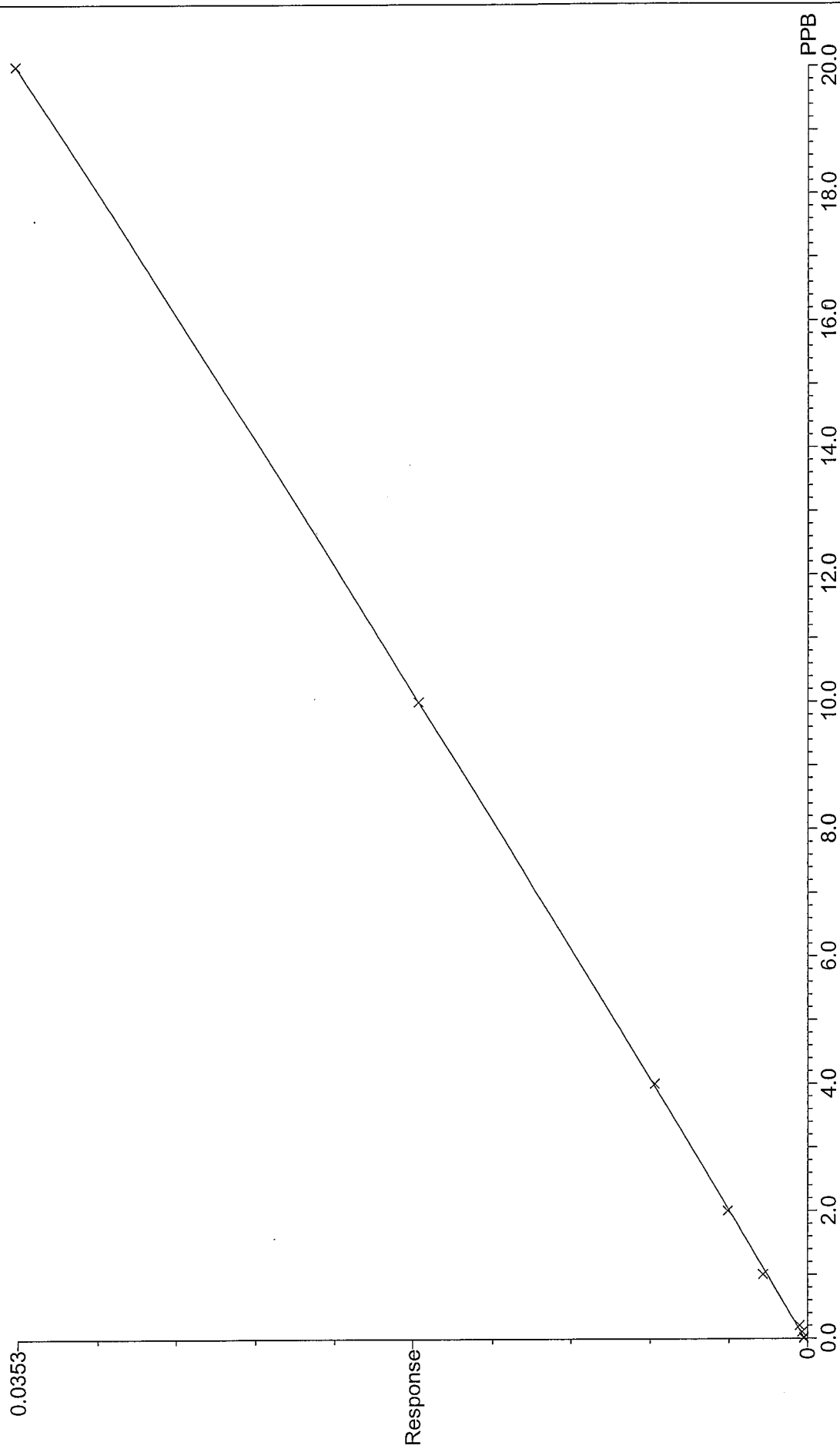
Printed: Wed Jan 14 11:01:03 2009

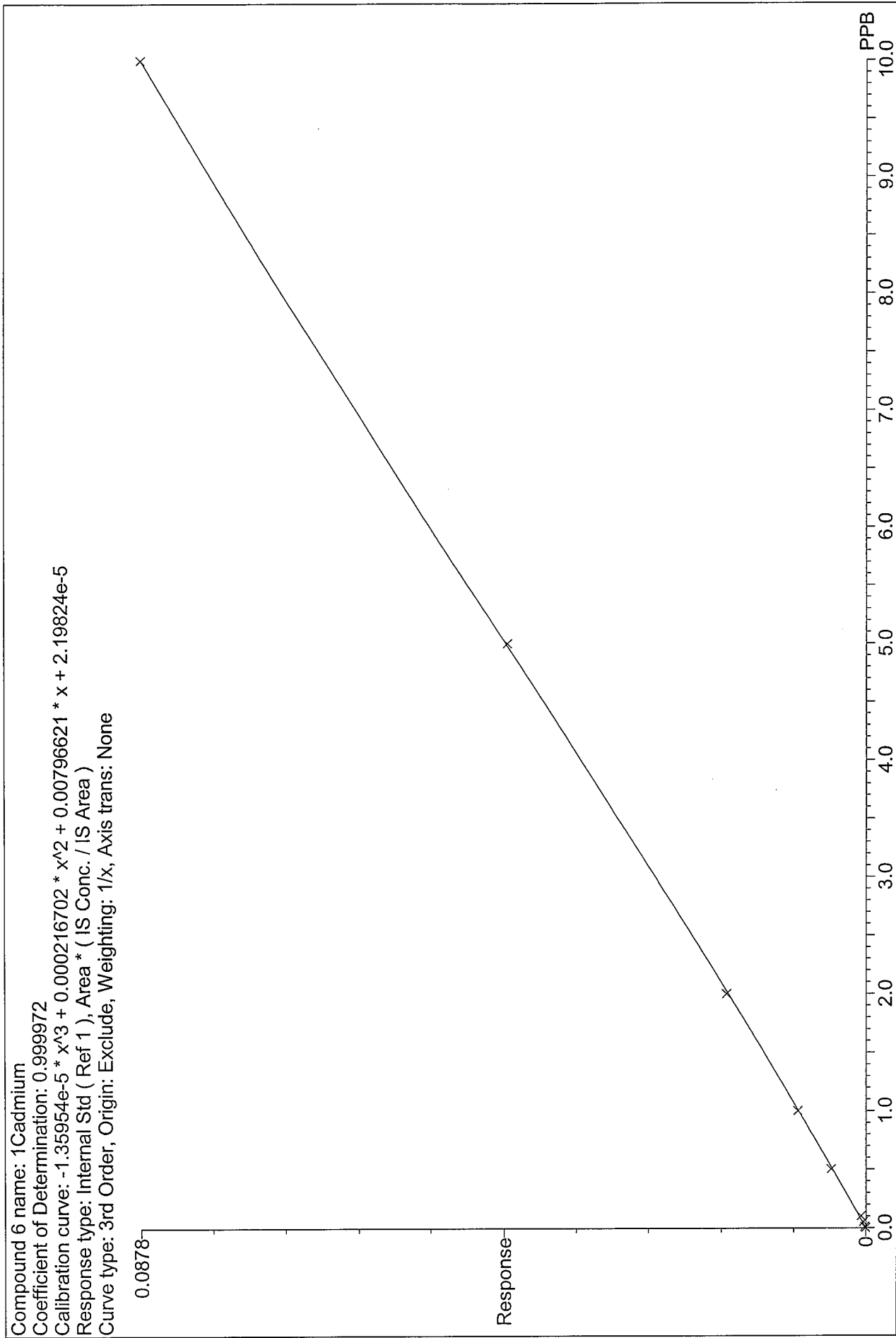
Compound 14: 195Pt

#	File name	Sample ID	PPB	CPS	IS	CPS %StdDev	Aq Date	AqTime	IS#
125	13JAN08A 125	IP090112-3MB 10X	0.89057	268015		0.024	13-Jan-09	18:34:19	0
126	13JAN08A 126	IP090112-3LCS 10X	0.91404	275078		0.026	13-Jan-09	18:39:39	0
127	13JAN08A 127	IP090112-3LCS 10X	0.92676	278906		0.026	13-Jan-09	18:42:48	0
128	13JAN08A 128	0901033-1 10X	0.91473	275287		0.095	13-Jan-09	18:45:57	0
129	13JAN08A 129	0901033-1L 50X	0.94120	283252		0.072	13-Jan-09	18:49:06	0
130	13JAN08A 130	0901033-1A 10X	0.88389	266007		0.092	13-Jan-09	18:52:15	0
131	13JAN08A 131	0901033-2 10X	0.90383	272006		0.093	13-Jan-09	18:55:26	0
132	13JAN08A 132	0901033-3 200X	0.94528	284480		0.047	13-Jan-09	18:58:34	0
133	13JAN08A 133	CCV	0.92332	277871		0.034	13-Jan-09	19:01:41	0
134	13JAN08A 134	CCB	0.88906	267561		0.030	13-Jan-09	19:06:59	0
135	13JAN08A 135	0901033-4 50X	0.91241	274589		0.073	13-Jan-09	19:10:04	0
136	13JAN08A 136	0901033-5 10X	0.88401	266042		0.100	13-Jan-09	19:13:10	0
137	13JAN08A 137	0901033-6 10X	0.91185	274420		0.095	13-Jan-09	19:16:17	0
138	13JAN08A 138	0901033-7 10X	0.90837	273373		0.097	13-Jan-09	19:19:25	0
139	13JAN08A 139	0901033-8 50X	0.94183	283444		0.073	13-Jan-09	19:22:34	0
140	13JAN08A 140	CCV	0.88923	267613		0.041	13-Jan-09	19:25:42	0
141	13JAN08A 141	CCB	0.90404	272070		0.024	13-Jan-09	19:31:02	0
142	13JAN08A 142	RINSE							

Quantify Calibration Report
13JAN09A

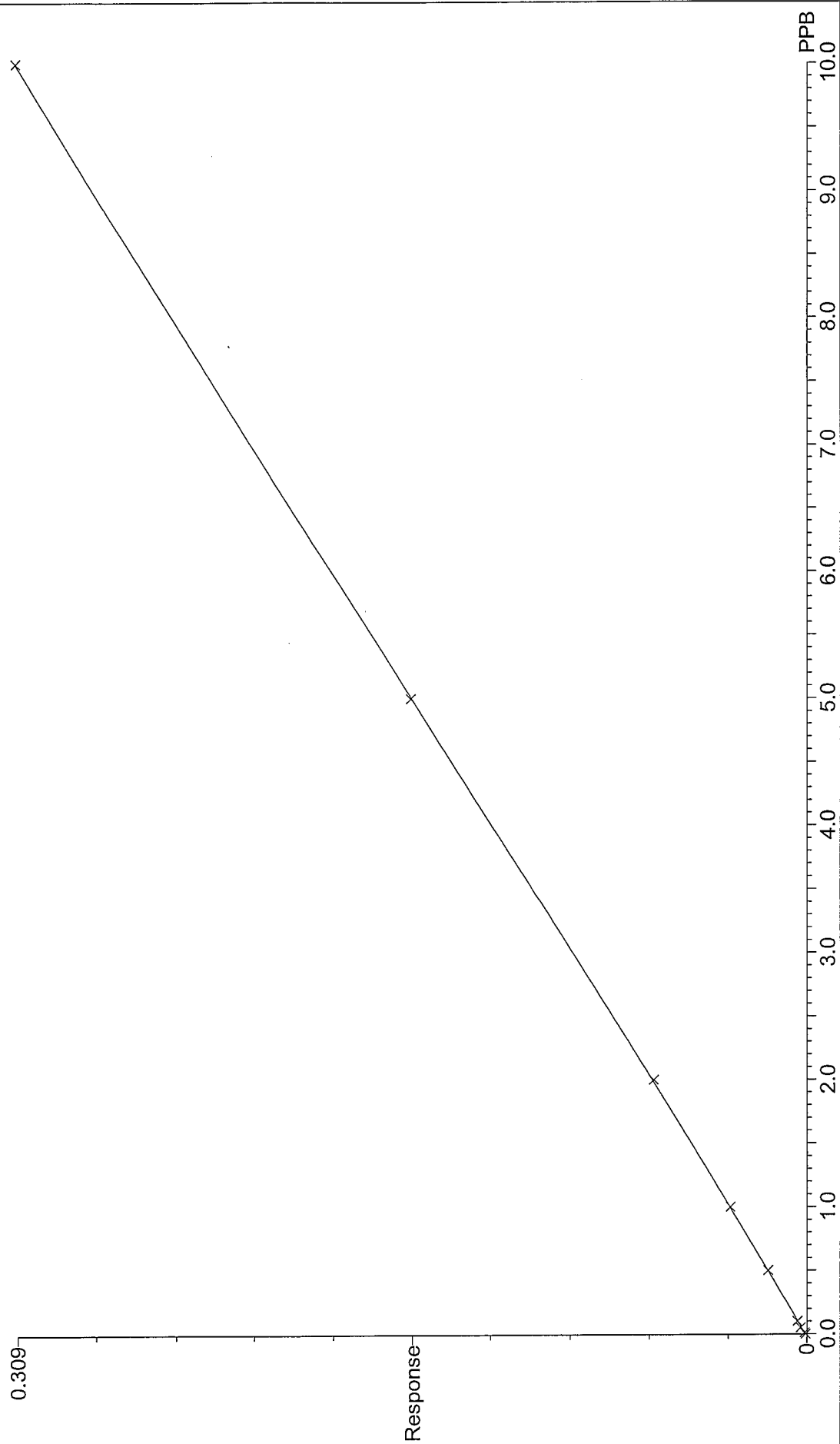
Compound 3 name: 78Se
Coefficient of Determination: 0.999946
Calibration curve: $1.39930e-8 * x^3 + 3.40094e-6 * x^2 + 0.00168362 * x + 0.000126593$
Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
Curve type: 3rd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None





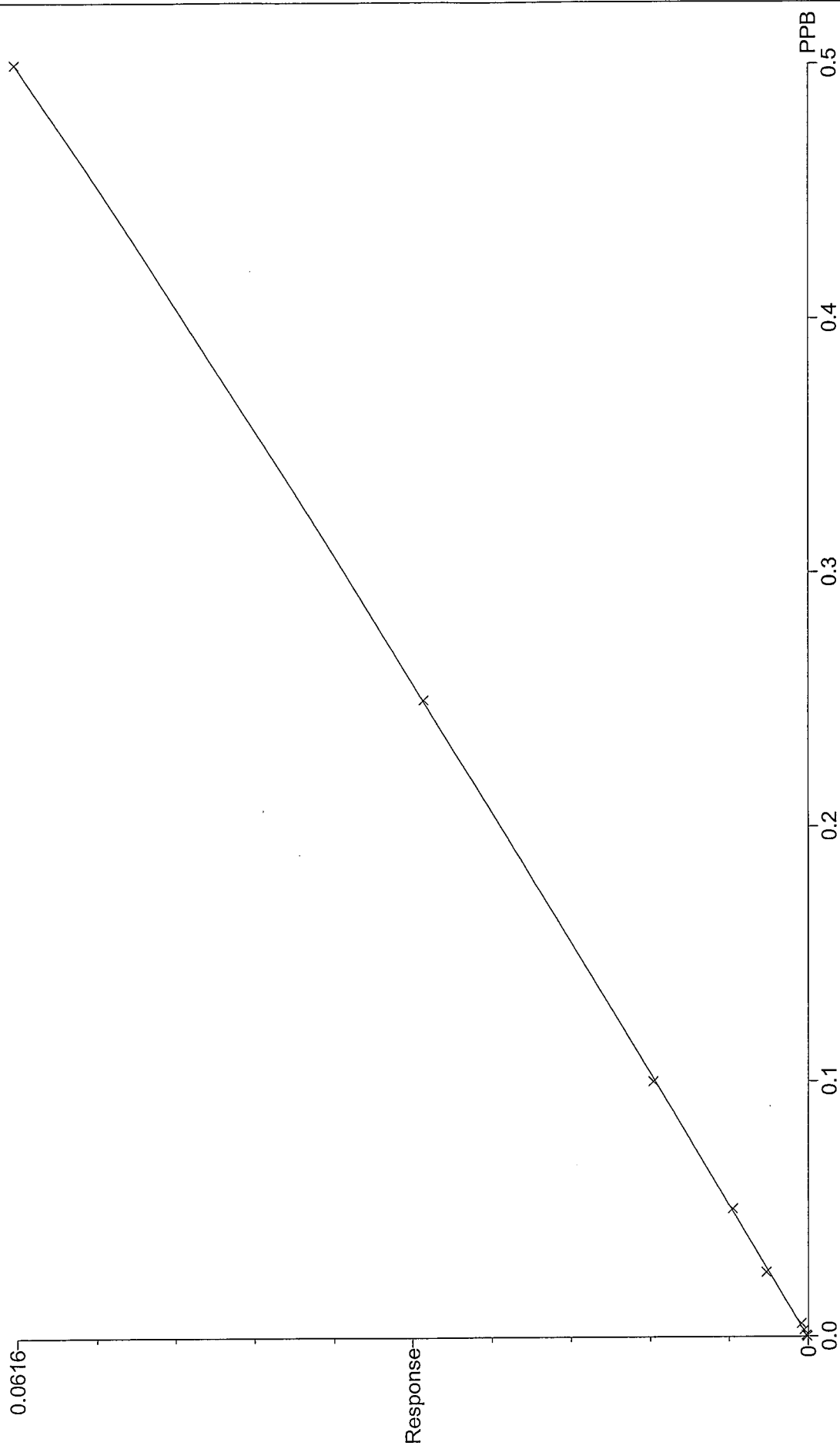
Quantify Calibration Report
13JAN09A

Compound 9 name: 121Sb
Coefficient of Determination: 0.999991
Calibration curve: $-2.56493e-5 * x^3 + 0.000412293 * x^2 + 0.0293094 * x + 0.000545368$
Response type: Internal Std (Ref 1), Area * (IS Conc. / IS Area)
Curve type: 3rd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



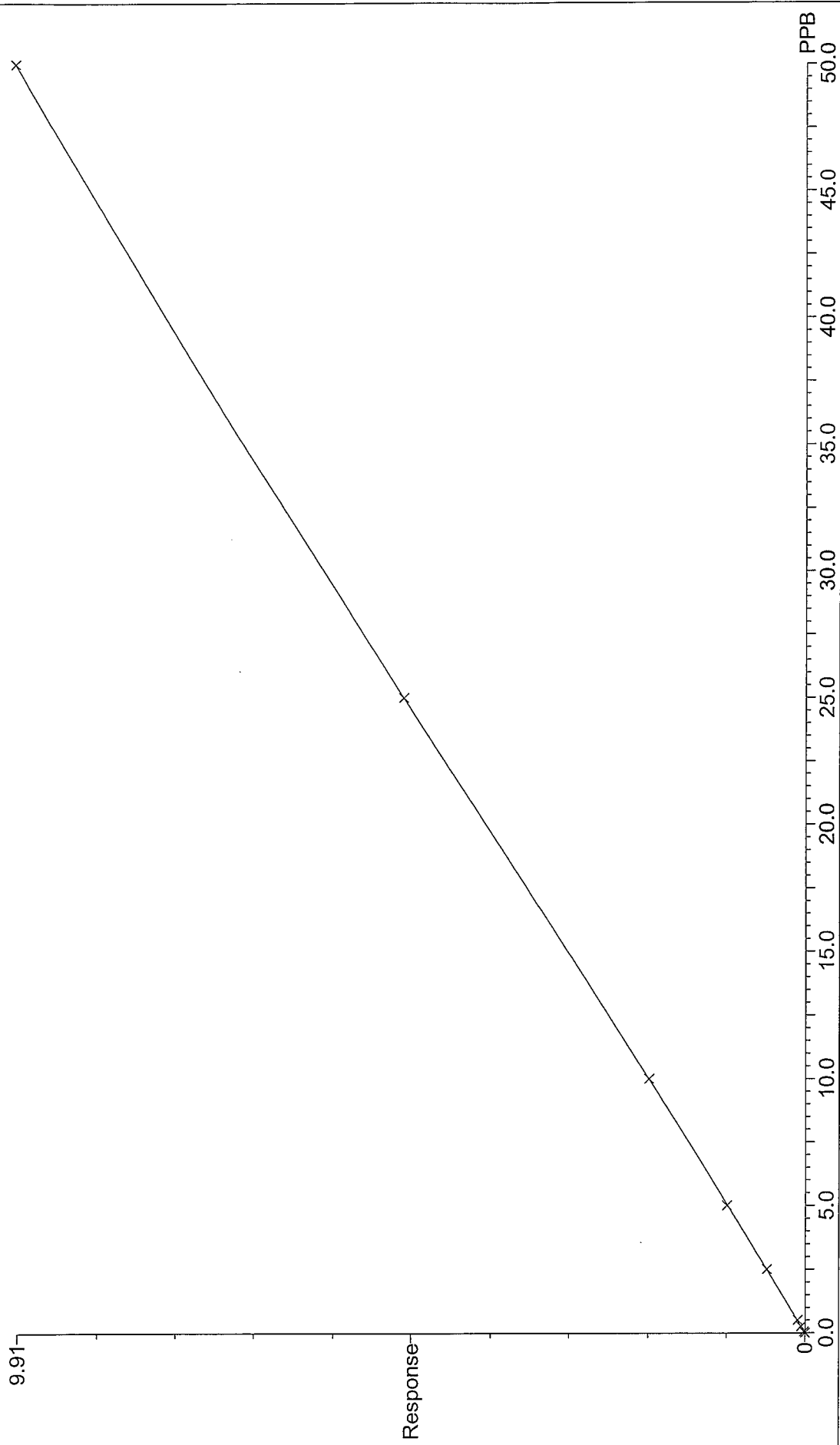
Quantify Calibration Report
13JAN09A

Compound 12 name: 205TI
Coefficient of Determination: 0.999964
Calibration curve: $0.0256969 \cdot x^3 + -0.00401307 \cdot x^2 + 0.118515 \cdot x + 6.73406e-5$
Response type: Internal Std (Ref 14), Area * (IS Conc. / IS Area)
Curve type: 3rd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



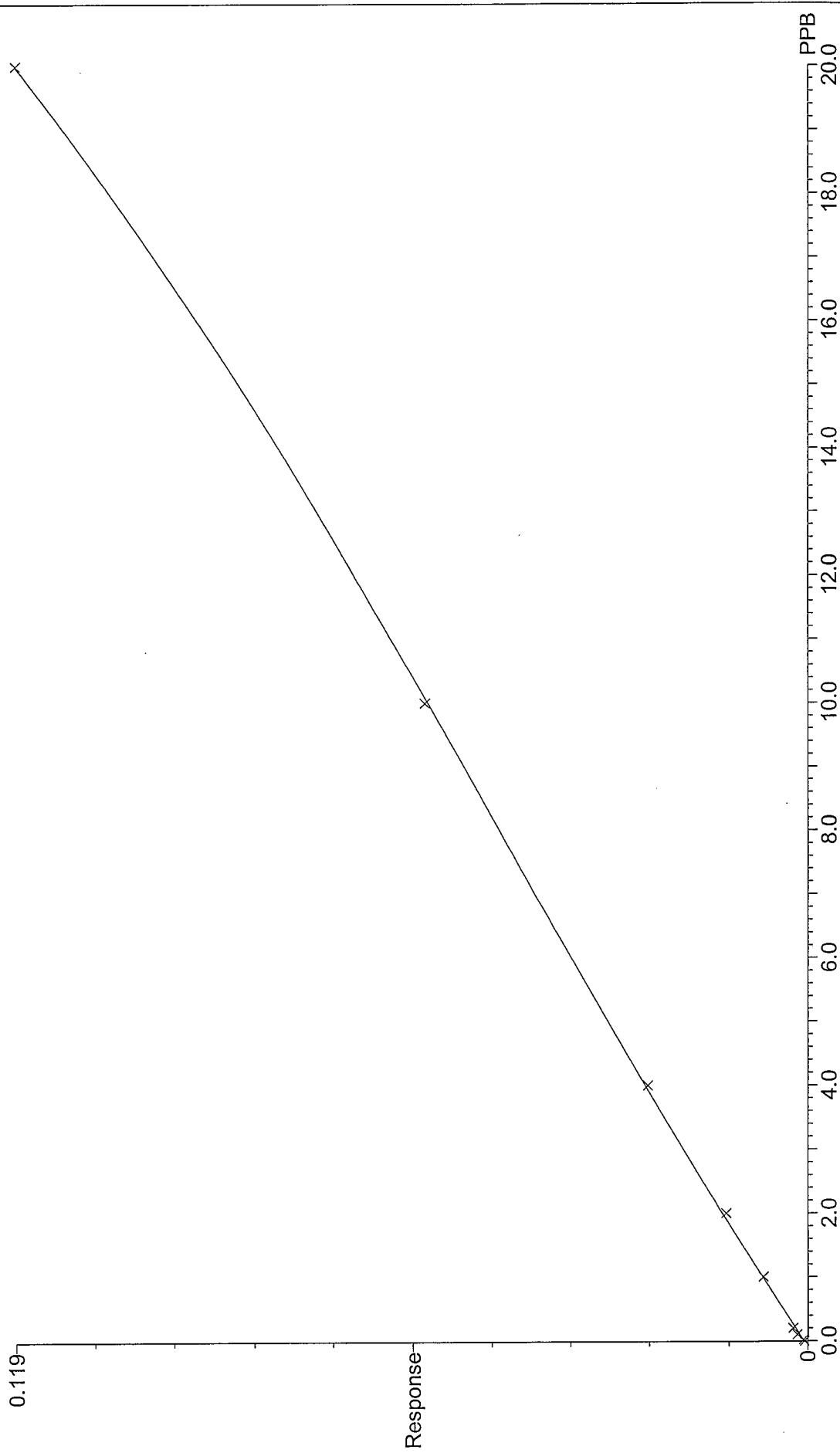
Quantify Calibration Report
13JAN09A

Compound 18 name: 0Lead
Coefficient of Determination: 0.999998
Calibration curve: $-1.00088e-5 * x^3 + 0.000626665 * x^2 + 0.191751 * x + 0.00216962$
Response type: Internal Std (Ref 14), Area * (IS Conc. / IS Area)
Curve type: 3rd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



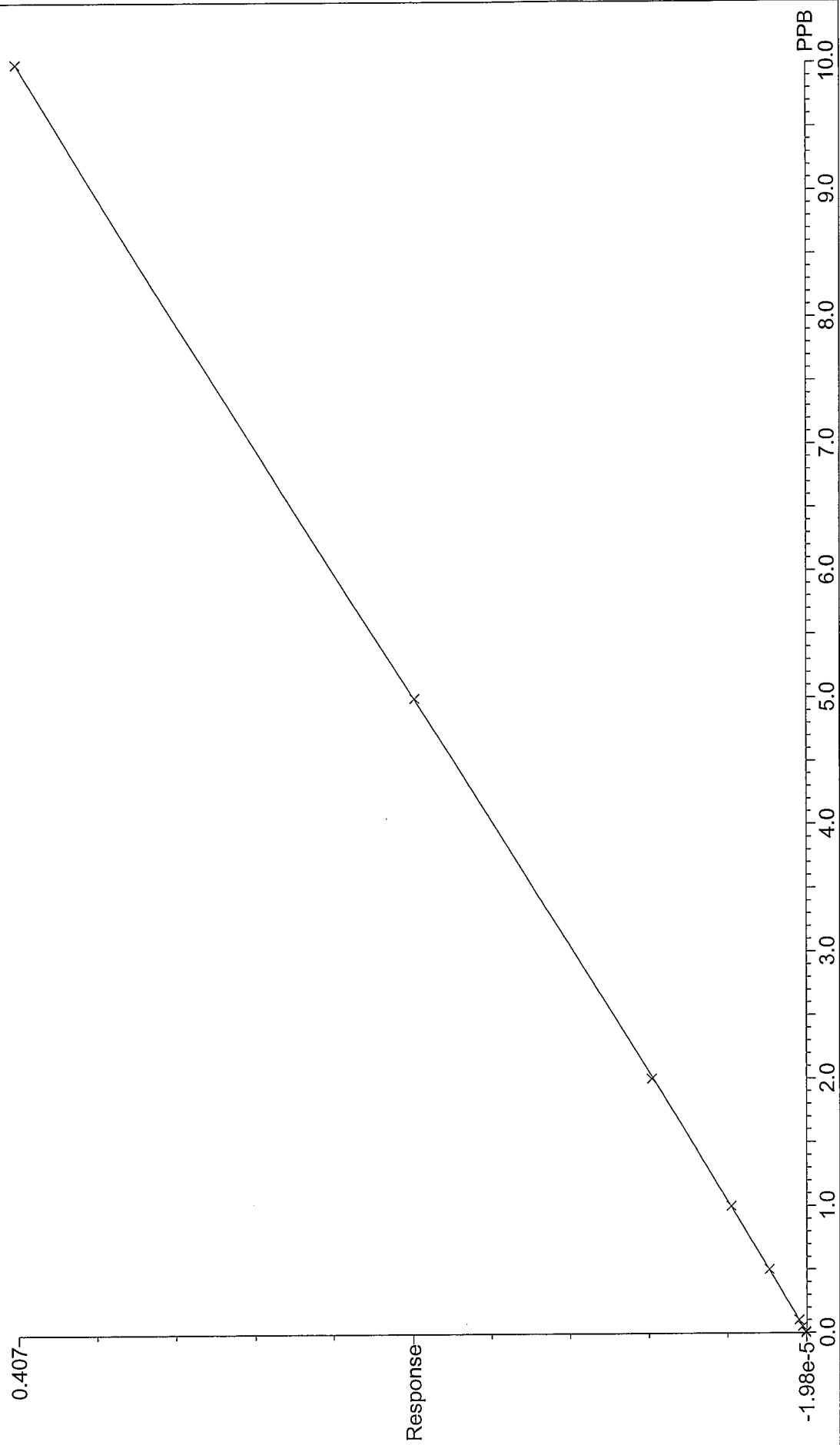
Quantify Calibration Report
13JAN09A

Compound 19 name: 75As
Coefficient of Determination: 0.999911
Calibration curve: $5.03126e-6 * x^3 + -0.000123836 * x^2 + 0.00639471 * x + 0.000546283$
Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
Curve type: 3rd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

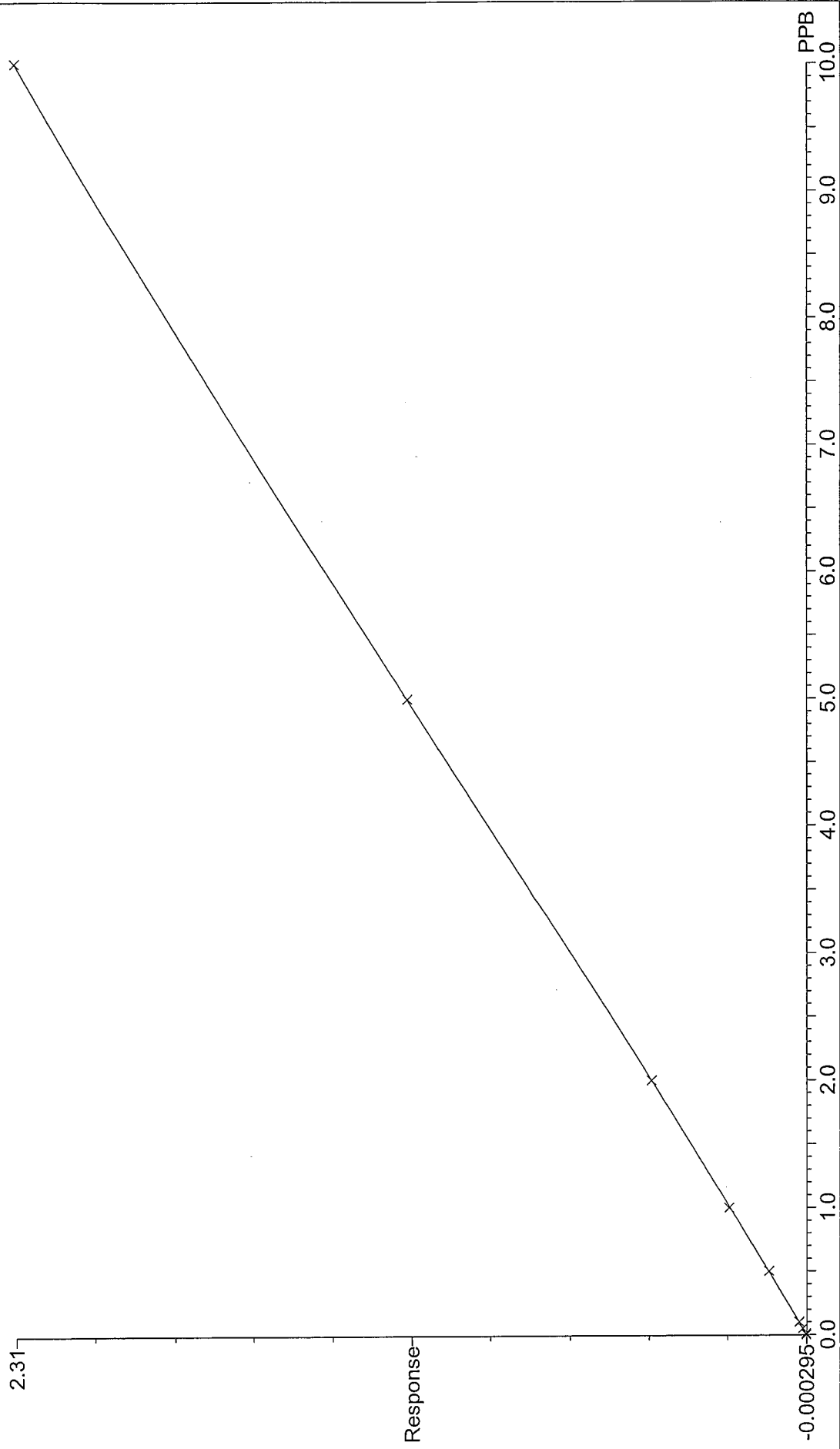


Quantify Calibration Report
13JAN09A

Compound 23 name: 109Ag
Coefficient of Determination: 0.999993
Calibration curve: $-3.47831e-5 * x^3 + 0.000564843 * x^2 + 0.0385013 * x + -1.97859e-5$
Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
Curve type: 3rd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

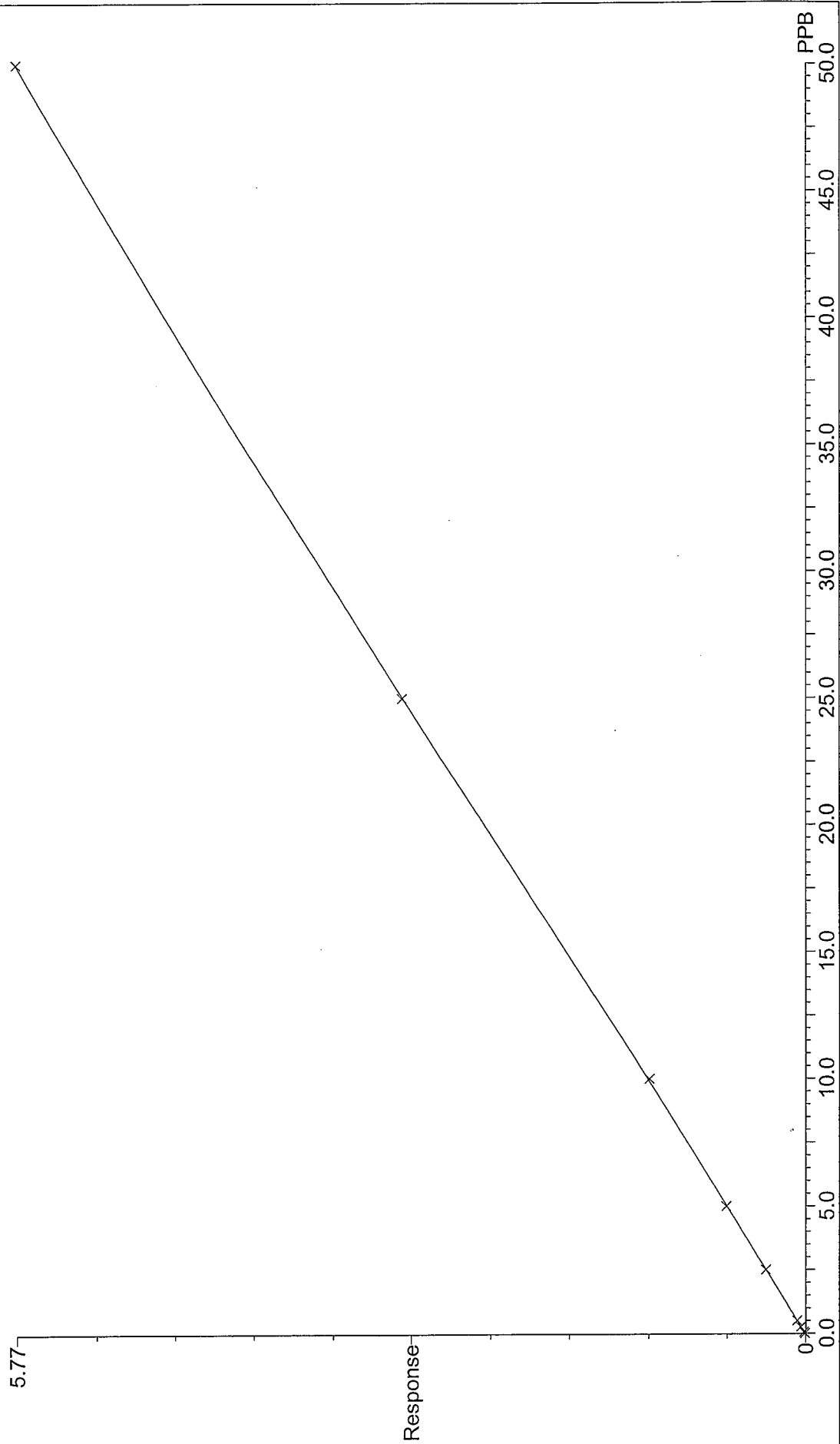


Compound 25 name: 2Uranium
Coefficient of Determination: 0.999998
Calibration curve: $-0.000300754 * x^3 + 0.00410809 * x^2 + 0.220250 * x + -0.000294729$
Response type: Internal Std (Ref 14), Area * (IS Conc. / IS Area)
Curve type: 3rd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Quantify Calibration Report
13JAN09A

Compound 26 name: 55Mn
Coefficient of Determination: 0.999993
Calibration curve: $-5.05399e-6 * x^3 + 0.000299576 * x^2 + 0.112927 * x + 0.00628172$
Response type: Internal Std (Ref 13), Area * (IS Conc. / IS Area)
Curve type: 3rd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Header Information for Analytical Run:09011601

Analyst: SL

Standards:

Stock A: 10ppm (ST080815-3)

Stock B: 10ppm (ST080815-4)

Daily standards made by diluting stock solution 100X

Reagents:

See digestion log

Pipettes Used:

M-57 - 0.01 mL to 0.1 mL

M-55 - 1.0 mL to 5.0 mL

M-61 - 0.1 mL to 1.0 mL

Method of Dilution:

2X - Dilution made by diluting 5ml of sample to 10ml final volume.

5X - Dilution made by diluting 2.0ml of sample to 10ml final volume.

10X - Dilution made by diluting 1.0ml of sample to 10ml final volume.

20X - Dilution made by diluting 0.5ml of sample to 10ml final volume.

50X - Dilution made by diluting 0.2ml of sample to 10ml final volume.

100X - Dilution made by diluting 0.1ml of sample to 10ml final volume.

500X - Dilution made by diluting a 5X dilution 100X

1000X - Dilution made by diluting a 10X dilution 100X

Daily Maintenance:

1. Check / Change peristaltic pump tubing
2. Check gas liquid separator for deposits, clean if necessary
3. Check / Refill rinse water and stannous chloride reservoirs

Daily Maintenance done by: SL

Monthly Maintenance:

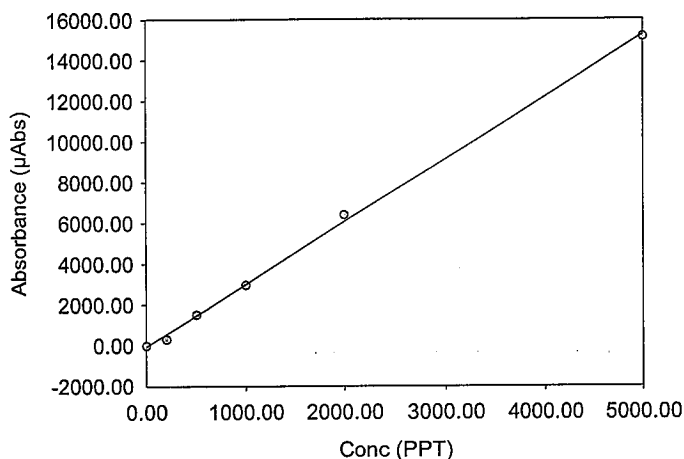
1. Check / Clean sample and reference cells
2. Check / Change Nafion drying cartridge

Monthly Maintenance done by: SL12-15-2008

Analyst
Date Started Friday, January 16, 2009, 14:04:40
Worksheet PARAGON
Comment

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. μ Abs	Readings				Flags
Calibration Zero	16-Jan-2009, 14:04	0.00	44.90	-7.02	-10	-3	-8	-8	
Standard #1	16-Jan-2009, 14:06	200.00	0.31	307.00	307	308	306	309	
Standard #2	16-Jan-2009, 14:07	500.00	0.08	1520.00	1521	1524	1523	1524	
Standard #3	16-Jan-2009, 14:09	1000.00	0.05	2970.00	2967	2967	2970	2967	
Standard #4	16-Jan-2009, 14:11	2000.00	0.11	6400.00	6402	6402	6391	6390	
Standard #5	16-Jan-2009, 14:12	5000.00	0.04	15200.00	15171	15166	15156	15158	

Calibration Data



Int. Slope -53.773
3.066

Correlation 0.99945

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. μ Abs	Readings				Flags
ICV	16-Jan-2009, 14:14	1060.00	0.22	3200.00	3191	3196	3204	3207	
ICB	16-Jan-2009, 14:15	17.90	1.58	0.97	1	-0	1	2	
CRA	16-Jan-2009, 14:17	135.00	0.18	361.00	361	361	362	361	
HG090115-1MB	16-Jan-2009, 14:19	18.50	1.11	2.90	3	2	4	3	
HG090115-1LCS	16-Jan-2009, 14:20	996.00	0.68	3000.00	3017	3014	2998	2972	
HG090115-1LCSD	16-Jan-2009, 14:22	959.00	0.27	2890.00	2881	2882	2886	2899	
IDL 1	16-Jan-2009, 14:23	23.80	10.80	19.10	10	19	29	19	
IDL 2	16-Jan-2009, 14:25	7.29	10.20	-31.40	-32	-33	-33	-28	
IDL 3	16-Jan-2009, 14:27	10.40	6.51	-21.80	-23	-19	-23	-23	
IDL 4	16-Jan-2009, 14:28	9.96	3.13	-23.20	-22	-23	-23	-24	
IDL 5	16-Jan-2009, 14:30	18.80	7.83	3.77	6	9	-1	1	
IDL 6	16-Jan-2009, 14:31	16.30	5.74	-3.68	-7	-4	-2	-1	
CCV	16-Jan-2009, 14:33	2180.00	0.14	6640.00	6637	6639	6643	6658	
CCB	16-Jan-2009, 14:35	-0.12	1130.00	-54.10	-56	-56	-56	-48	
IDL 7	16-Jan-2009, 14:36	43.20	1.24	78.80	79	76	80	79	
0901087-2	16-Jan-2009, 14:38	40.30	2.62	69.90	67	67	73	72	
0901087-3	16-Jan-2009, 14:39	806.00	0.44	2420.00	2431	2418	2418	2404	
0901087-4	16-Jan-2009, 14:41	9500.00	0.06	29100.00	29057	29081	29066	29041	0 DO NOT USE SL 1.16.09
0901064-2	16-Jan-2009, 14:43	-21.30	1.92	-119.00	-119	-118	-119	-121	
0901064-2D	16-Jan-2009, 14:44	19.60	2.48	6.19	4	8	6	7	
0901064-2L 5X	16-Jan-2009, 14:46	18.80	7.25	3.95	8	7	1	-0	
0901064-2MS	16-Jan-2009, 14:47	2170.00	0.13	6610.00	6616	6610	6599	6597	
0901064-2MSD	16-Jan-2009, 14:49	2220.00	0.14	6770.00	6779	6770	6763	6757	
0901082-1	16-Jan-2009, 14:51	33.40	1.47	48.60	48	49	47	50	
CCV	16-Jan-2009, 14:52	2210.00	0.17	6740.00	6722	6733	6738	6750	
CCB	16-Jan-2009, 14:54	9.52	34.30	-24.60	-38	-26	-20	-15	
0901082-2	16-Jan-2009, 14:56	37.80	1.15	62.10	61	63	64	61	
0901082-2D	16-Jan-2009, 14:57	36.10	1.70	57.00	56	60	56	56	
0901082-2L 5X	16-Jan-2009, 14:59	22.60	1.94	15.60	17	16	14	16	
0901082-2MS	16-Jan-2009, 15:00	2150.00	0.36	6550.00	6537	6532	6548	6584	
0901082-2MSD	16-Jan-2009, 15:02	2110.00	0.15	6410.00	6418	6413	6402	6397	
EX090114-6MB	16-Jan-2009, 15:04	11.10	5.12	-19.70	-18	-22	-20	-19	
EX090114-6LCS	16-Jan-2009, 15:05	1020.00	0.18	3060.00	3051	3062	3062	3058	
EX090114-6LCSD	16-Jan-2009, 15:07	986.00	0.01	2970.00	2969	2969	2969	2968	
0901051-2	16-Jan-2009, 15:08	13.20	4.00	-13.30	-15	-14	-11	-13	
0901051-2D	16-Jan-2009, 15:10	17.70	8.13	0.41	3	-3	-4	5	
CCV	16-Jan-2009, 15:12	2170.00	0.08	6600.00	6600	6594	6598	6606	
CCB	16-Jan-2009, 15:13	11.10	6.46	-19.80	-19	-17	-20	-23	
0901051-2L 5X	16-Jan-2009, 15:15	19.10	4.78	4.84	5	7	7	1	
0901051-2MS	16-Jan-2009, 15:17	2080.00	0.02	6310.00	6312	6313	6310	6311	
0901051-2MSD	16-Jan-2009, 15:18	2250.00	0.01	6860.00	6858	6857	6856	6857	
F090114-1MB	16-Jan-2009, 15:20	14.30	3.96	-9.91	-8	-9	-11	-12	

Analyst
 Date Started Friday, January 16, 2009, 15:21:53
 Worksheet PARAGON
 Comment

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. μ Abs	Readings				Flags
0901056-1	16-Jan-2009, 15:21	56.90	0.85	121.00	121	120	122	119	
0901056-2	16-Jan-2009, 15:23	64.30	1.95	143.00	140	141	146	147	
0901056-3	16-Jan-2009, 15:25	61.80	1.35	136.00	132	138	137	135	
0901056-4	16-Jan-2009, 15:26	72.80	1.46	169.00	167	169	168	174	
0901056-5	16-Jan-2009, 15:28	75.90	2.51	179.00	171	178	183	184	
0901056-6	16-Jan-2009, 15:30	62.60	1.32	138.00	138	137	142	137	
CCV	16-Jan-2009, 15:31	2150.00	0.35	6550.00	6524	6546	6563	6577	
CCB	16-Jan-2009, 15:33	9.32	5.25	-25.20	-24	-26	-24	-27	
0901040-1	16-Jan-2009, 15:34	3150.00	0.88	9610.00	9525	9566	9633	9719	
0901040-2	16-Jan-2009, 15:36	246.00	0.29	808.00	809	810	808	805	DO NOT USE SL 1.16.09
0901040-3	16-Jan-2009, 15:38	4.67	5.15	-39.50	-39	-40	-40	-39	
0901040-4	16-Jan-2009, 15:39	248.00	0.48	708.00	705	705	709	713	
0901040-5	16-Jan-2009, 15:41	Sat'd.	0.58	55200.00	54700	55197	55380	55380	DO NOT USE SL 1.16.09
0901066-1	16-Jan-2009, 15:46	-3.58	36.90	-64.80	-68	-67	-66	-59	
0901066-2	16-Jan-2009, 15:48	4.36	23.10	-40.40	-37	-44	-41	-39	
0901066-3	16-Jan-2009, 15:50	2.82	17.30	-45.10	-43	-47	-45	-46	
0901066-4	16-Jan-2009, 15:51	70.30	6.62	162.00	147	154	167	180	
0901087-4 5X	16-Jan-2009, 15:59	2030.00	0.05	6160.00	6157	6159	6160	6153	
CCV	16-Jan-2009, 16:02	2150.00	0.26	6540.00	6518	6530	6544	6557	
CCB	16-Jan-2009, 16:04	13.50	3.78	-12.50	-11	-12	-15	-13	
0901040-2	16-Jan-2009, 16:06	59.20	1.42	128.00	125	130	126	130	
0901040-5 100X	16-Jan-2009, 16:07	325.00	0.34	944.00	940	942	946	947	
CRA	16-Jan-2009, 16:09	105.00	0.23	269.00	269	270	270	269	
CCV	16-Jan-2009, 16:11	2160.00	0.03	6560.00	6563	6562	6560	6559	
CCB	16-Jan-2009, 16:12	10.10	6.78	-22.70	-20	-25	-24	-23	

Miscellaneous

MERCURY DIGESTION - WATER/TCLP

364950

Method 7470 SOP 812/Rev 14 Date Analyzed 1-16-09 File 09011601 *** Init. SL (prep.) SL (analysis)
 Digestion Date 1-15-09 Spike Witness N/A Time Start 1645 Time Finish 1845 Bath Temp 95 °C

Tube #	Solution ID	Spike * Solution	Spike Volume (mL)	Final ** Volume (mL)	Comments
STD 1	0 ppb	-	-	20.0	
2	0.2 ppb	A	0.04	20.0	
3	0.5 ppb	A	0.1	20.0	
4	1.0 ppb	A	0.2	20.0	
5	2.0 ppb	A	0.4	20.0	
6	5.0 ppb	A	1.0	20.0	
	ICV	B	0.2	20.0	
	ICB	-	-	20.0	
	CRA-0.2 ppb	A	0.04	20.0	
	IPC (245.1 only)	A	0.04	20.0	
SAMPLES -- Prep. Batch ID(s) <u>H6090115-1</u>					(see LIMs Prep. Batch report for sample info. (IDs, Aliquots, etc.))
	CCVs	A	0.4	20.0	<u>3</u> # prepared
	CCBs	-	-	20.0	<u>3</u> # prepared

*** See run report for run log information.

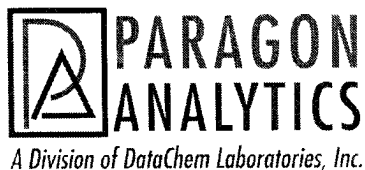
** Laboratory DI water used to make-up to final volume.

*A: 100 ppb Hg solution made from 100x dilution (1 mL/100 mL) of ST080815-3 ID*B: 100 ppb Hg solution made from 100x dilution (1 mL/100 mL) of ST080815-4 ID (2nd source)

See run header for maintenance performed.

Digestion Cups: 821CAReagents: H₂SO₄ 47197 HNO₃ G17027 KMnO₄ R4081219-1 K₂S₂O₈ R4081110-4SnCl₂ R4081209-1 Hydroxylamine R4081110-1Balance(s) Used: 29Pipet(s) Used: M-55 M-57 M-61

Reviewed by _____ Date _____



ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES



February 27, 2009

Ms. Sheri O'Connor
URS
8181 E. Tufts Ave
Denver, CO 80237

Re: ALS Paragon Workorder: 09-02-111
Client Project Name: Williams-Rio Blanca
Client Project Number: 22240417.00001

Dear Ms. O'Connor:

Two water samples were received from URS on February 13, 2009. The samples were scheduled for the following analyses:

Metals	pages 1-223	Dissolved Gasses	pages 1-38
Inorganics	pages 1-103	Total Volatile Petroleum Hydrocarbons	pages 1-34
GC/MS Volatiles	pages 1-92	Total Extractable Hydrocarbons (Diesel)	pages 1-75

The results for these analyses are contained in the enclosed reports.

Thank you for your confidence in ALS Paragon. Should you have any questions, please call.

Sincerely,

ALS Paragon
Amy Wolf
Project Manager

ARW/mh
Enclosure (s): CD

ALS Paragon

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0902111

Client Name: URS

Client Project Name: Williams-Rio Blanca

Client Project Number: 22240417.00001

Client PO Number: Williams 2008

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
FE-RG-11-7-397-PW-GPTF	0902111-1		WATER	12-Feb-09	12:15
Trip Blank 011309	0902111-2		WATER	12-Feb-09	

[illegible]

CONDITION OF SAMPLE UPON RECEIPT FORM

Paragon Analytics

Client: URSWorkorder No: 0902111Project Manager: AWInitials: LJO Date: 2/13/09

1. Does this project require any special handling in addition to standard Paragon procedures?	YES	<input checked="" type="radio"/> NO
2. Are custody seals on shipping containers intact?	NONE	<input checked="" type="radio"/> YES NO
3. Are Custody seals on sample containers intact?	<input checked="" type="radio"/> NONE	YES NO
4. Is there a COC (Chain-of-Custody) present or other representative documents?	<input checked="" type="radio"/> YES	NO
5. Are the COC and bottle labels complete and legible ?	<input checked="" type="radio"/> YES	NO
6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)	<input checked="" type="radio"/> YES	NO
7. Were airbills / shipping documents present and/or removable?	DROP OFF	<input checked="" type="radio"/> YES NO
8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles)	N/A	YES <input checked="" type="radio"/> NO
9. Are all aqueous non-preserved samples pH 4-9?	N/A	<input checked="" type="radio"/> YES NO
10. Is there sufficient sample for the requested analyses?	<input checked="" type="radio"/> YES	NO
11. Were all samples placed in the proper containers for the requested analyses?	<input checked="" type="radio"/> YES	NO
12. Are all samples within holding times for the requested analyses?	<input checked="" type="radio"/> YES	NO
13. Were all sample containers received intact? (not broken or leaking, etc.)	<input checked="" type="radio"/> YES	NO
14. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: _____ < green pea _____ > green pea	N/A	YES <input checked="" type="radio"/> NO
15. Do perchlorate LCMS-MS samples have headspace? (at least 1/3 of container required)	<input checked="" type="radio"/> N/A	YES NO
16. Were samples checked for and free from the presence of residual chlorine? (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	<input checked="" type="radio"/> N/A	YES NO
17. Were the samples shipped on ice?	<input checked="" type="radio"/> YES	NO
18. Were cooler temperatures measured at 0.1-6.0°C?	IR gun used*: <input checked="" type="radio"/> #2 #4	RAD ONLY <input checked="" type="radio"/> YES NO
Cooler #: <u>1</u>		
Temperature (°C): <u>3.8</u>		
No. of custody seals on cooler: <u>1</u>		
External µR/hr reading: <u>12</u>		
Background µR/hr reading: <u>12</u>		
Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? <input checked="" type="radio"/> YES / NO / NA (If no, see Form 008.)		

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND #16.

- ★ Sample #1 (FE-RG-11-7-397-PW-GPTE) the 1L poly for metals analysis was received at pH 5.0. 20 ml HNO₃ (G17027-lot#) was added at 1200 on 2/13/09 by LJO for a final pH < 2.
- Sample #1 (FE-RG-11-7-397-PW-GPTE) 2 of 3 40ml VOC vial contain headspace > pea.
 ↓ ↓ ↓ 3 of 3 ↓ GRO ↓ ↓ ↓ > pea.
- Sample #1 - time on bottles: 12:15

If applicable, was the client contacted? ☒ YES / NO / NA Contact: Sheri O'Connor Date/Time: e-mail 2/13/09Project Manager Signature / Date: [Signature] 2/13/09

*IR Gun #2: Oakton, SN 29922500201-0066

*IR Gun #4: Oakton, SN 2372220101-0002

1 From This portion can be removed for Recipient's records.

Date 2/12/01 FedEx Tracking Number 867568922148

Sender's Name DAVID SLACK Phone 970 384-4741

Company URS CORP

Address 110 COOPER AVE STE 100

City COLLEEN SPRINGS State CO ZIP 81601-3425 Dept./Floor/Suite/Room

2 Your Internal Billing Reference 22240417.54210.00001

3 To Recipient's Name DEE FAZIO Phone 970 490-1211

Company PARAGON ACQUISITION

Recipient's Address 1000 COMMERCE DRIVE
We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address To request a package be held at a specific FedEx location, print FedEx address here.

City FORT COLLINS State CO ZIP 80524 Dept./Floor/Suite/Room



8675 6892 2148

RECIPIENT: PEEL HERE

fedex.com 1.800.GoFedEx 1.800.463.3339

4a Express Package Service

☒ FedEx Priority Overnight
Next business day, **
Shipments will be delivered by Monday unless SATURDAY Delivery is selected.

☐ FedEx 2Day
Second business day, **
Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx Express Saver
Third business day, **
Saturday Delivery NOT available.

Packages up to 150 lbs.

☐ FedEx First Overnight
Earliest next business day, **
Saturday Delivery NOT available.

* To most locations.

Packages over 150 lbs.

☐ FedEx 3Day Freight
Third business day, **
Saturday Delivery NOT available.

** To most locations.

5 Packaging

☐ FedEx Envelope*
Includes FedEx Small Pak, FedEx Large Pak, and FedEx Surety Pak.

☐ FedEx Pak*
Includes FedEx Small Pak, FedEx Large Pak, and FedEx Surety Pak.

☐ FedEx Box

☐ FedEx Tube

☐ Other

* Declared value limit \$500

6 Special Handling

☐ SATURDAY Delivery
Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx 2Day, FedEx Express Saver, or FedEx 3Day Freight.

☐ HOLD Weekday at FedEx Location
Not available for FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.

☐ HOLD Saturday at FedEx Location
Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods?
One box must be checked.

☒ No ☐ Yes
As per attached Shipper's Declaration, Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

☐ Dry Ice
Dry Ice 3 UN 1845

☐ Cargo Aircraft Only

7 Payment Bill to: ☐ Sender ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

Enter FedEx Acct. No. or Credit Card No. below. Obtain Recip. Acct. No.

Total Packages

Total Weight

Our liability is limited to \$100 unless you declare a higher value. See the current FedEx Service Guide for details.

8 Residential Delivery Signature Options

If you require a signature, check Direct or Indirect.

☐ No Signature Required
If no one is available at recipient's address, someone at a neighboring address may sign for delivery. Fee applies.

☐ Direct Signature
Someone at recipient's address must sign for delivery. Fee applies.

☐ Indirect Signature
If no one is available at recipient's address, someone at a neighboring address may sign for delivery. Fee applies.





FedEx
Tracking
Number

8675 6892 2148

1 From This portion can be removed for Recipient's records.

Date 2/12/01 FedEx Tracking Number

Sender's Name DAVID SLACK

Phone 970 284-4741

Company MGS CORP

Address 213 COOPER AVE STE 100

City CLEVELAND OHIO

State OH

ZIP 44101-3423

2 Your Internal Billing Reference 22240417.54210.00001

3 To

Recipient's Name DEB FAZIO

Phone 970 950-1311

Company PARAGON ASSOCIATES

Recipient's Address 605 COOPER DRIVE

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City FORT COLLINS

State CO

ZIP 80524



8675 6892 2148

RECIPIENT: PEEL HERE

fedex.com 1.800.GoFedEx 1.800.463.3339



4a Express Package Service

☒ Next business morning delivery. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ Next business day. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ Second business day. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 2Day. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx Standard Overnight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx Express Overnight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 3Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 2Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 1Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 2Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 3Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 4Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 5Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 6Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 7Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 8Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 9Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 10Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 11Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 12Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 13Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 14Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 15Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 16Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 17Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 18Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 19Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 20Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 21Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 22Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 23Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 24Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 25Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 26Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 27Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 28Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 29Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 30Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 31Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 32Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 33Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 34Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 35Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 36Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 37Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 38Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 39Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 40Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 41Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 42Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 43Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 44Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 45Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 46Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 47Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 48Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 49Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 50Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 51Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 52Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 53Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 54Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 55Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 56Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 57Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx 58Day Freight. Shipments will be delivered on Monday unless SATURDAY Delivery is selected.

[illegible]

CONDITION OF SAMPLE UPON RECEIPT FORM

Paragon Analytics

Client: URSWorkorder No: 0902111Project Manager: AWInitials: LJO Date: 2/13/09

1. Does this project require any special handling in addition to standard Paragon procedures?	YES	<input checked="" type="radio"/> NO
2. Are custody seals on shipping containers intact?	NONE	<input checked="" type="radio"/> YES NO
3. Are Custody seals on sample containers intact?	<input checked="" type="radio"/> NONE	YES NO
4. Is there a COC (Chain-of-Custody) present or other representative documents?	<input checked="" type="radio"/> YES	NO
5. Are the COC and bottle labels complete and legible ?	<input checked="" type="radio"/> YES	NO
6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)	<input checked="" type="radio"/> YES	NO
7. Were airbills / shipping documents present and/or removable?	DROP OFF	<input checked="" type="radio"/> YES NO
8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles)	N/A	YES <input checked="" type="radio"/> NO
9. Are all aqueous non-preserved samples pH 4-9 ?	N/A	<input checked="" type="radio"/> YES NO
10. Is there sufficient sample for the requested analyses?	<input checked="" type="radio"/> YES	NO
11. Were all samples placed in the proper containers for the requested analyses?	<input checked="" type="radio"/> YES	NO
12. Are all samples within holding times for the requested analyses?	<input checked="" type="radio"/> YES	NO
13. Were all sample containers received intact ? (not broken or leaking, etc.)	<input checked="" type="radio"/> YES	NO
14. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: <u> </u> < green pea <u> </u> > green pea	N/A	YES <input checked="" type="radio"/> NO
15. Do perchlorate LCMS-MS samples have headspace? (at least 1/3 of container required)	<input checked="" type="radio"/> N/A	YES NO
16. Were samples checked for and free from the presence of residual chlorine ? (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	<input checked="" type="radio"/> N/A	YES NO
17. Were the samples shipped on ice ?	<input checked="" type="radio"/> YES	NO
18. Were cooler temperatures measured at 0.1-6.0°C?	IR gun used*: <input checked="" type="radio"/> #2 #4	RAD ONLY <input checked="" type="radio"/> YES NO
Cooler #: <u>1</u>		
Temperature (°C): <u>3.8</u>		
No. of custody seals on cooler: <u>1</u>		
External µR/hr reading: <u>12</u>		
Background µR/hr reading: <u>12</u>		
Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? <input checked="" type="radio"/> YES / NO / NA (If no, see Form 008.)		

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND #16.

- ★ Sample #1 (FE-RG-11-7-397-PW-GPTF) the 1L poly for metals analysis was received at pH 5.0. 20 ml HNO₃ (G17027-Lot#) was added at 1200 on 2/13/09 by LJO for a final pH < 2.
- Sample #1 (FE-RG-11-7-397-PW-GPTF) 2 of 3 40ml VOC vial contain headspace > pea.
 ↓ ↓ ↓ 3 of 3 ↓ GRO ↓ ↓ ↓ > pea.
- Sample #1 - time on bottles: 12:15

If applicable, was the client contacted? ☒ YES / NO / NA Contact: Sheri O'Connor Date/Time: c-mail 2/13/09Project Manager Signature / Date: [Signature] 2/13/09

*IR Gun #2: Oakton, SN 29922500201-0066

*IR Gun #4: Oakton, SN 2372220101-0002

Anion / Cation Summary Report

Lab ID: 0902111-1

QC Type: SMP

Field ID FE-RG-11-7-397-PW-GPTF

Analyte	Final Result	Report Units	mEq
BICARBONATE AS CaCO3	1052.726	MG/L	21.04
CHLORIDE	9569.116	MG/L	269.91
FLUORIDE	5	MG/L	0.00
NITRATE AS N	10	MG/L	0.00
NITRITE AS N	5	MG/L	0.00
SULFATE	25.42121	MG/L	0.53

Anion Result Sum 10667.26

Analyte	Final Result	Report Units	mEq
CALCIUM	178.8132	MG/L	8.92
IRON	11.97411	MG/L	0.64
MAGNESIUM	20.72685	MG/L	1.71
MANGANESE	0.2957	MG/L	0.01
POTASSIUM	394.3252	MG/L	10.08
SODIUM	5981.159	MG/L	260.17

Cation Result Sum 6587.29

Total Result: 17254.56 MG/L

TDS Result: 17800 MG/L

RPD: 3.11%

Anion mEq Sum: 291.48

Cation mEq Sum: 281.53

RPD: 3.47%

Below is a list of Lab IDs for this Order Number that were logged in for metals analyses. Note: if this area is empty then either no metals analyses were requested or the cations of interest were not requested.

0902111-1



ALS Paragon



Metals Case Narrative

URS

Williams-Rio Blanca -- 22240417.00001

Work Order Number: 0902111

1. This report consists of 1 water sample.
2. The sample was received cool and intact by ALS Paragon on 02/13/09.
3. The sample did not have a pH less than 2 upon receipt. The sample was preserved with nitric acid to a pH less than two upon receipt.
4. The sample was prepared for analysis based on SW-846, 3rd Edition procedures.

Prior to analysis by Trace ICP, an ionization buffer was added to the sample and associated QC to improve the sodium and potassium quantitation.

For analysis by Trace ICP and ICP-MS, the sample was digested following method 3005A and SOP 806 Rev. 13.

The sample was prepared for ICP-MS analysis of arsenic and selenium by passing the digested sample and associated QC through a cation exchange column. The cation exchange column removes cations from the matrix and eliminates the CaCl⁺ (mass 75) interferences on arsenic.

For analysis by Cold Vapor AA (CVAA), the sample was digested following method 7470A and SOP 812 Rev. 14.

5. The sample was analyzed following SW-846, 3rd Edition procedures.

Analysis by Trace ICP followed method 6010B and SOP 834 Rev. 7.

The relationship between intensity and concentration for each element is established using at least four standards, one of which is a blank solution.

During sample analysis concentrations are computed by the software and the results are printed in mg/L. The instrument software does not provide a printout which gives both intensity and



concentration. The validity of the calibration equation is tested by analyzing the following solutions: a blank, a low level check solution with concentrations near the reporting limit, an Initial Calibration Verification (ICV) standard from a 2nd source standard solution with concentrations near the middle of the analytical range, a Continuing Calibration Verification (CCV) standard with concentrations at two times those in the ICV, and a readback of the highest calibration standard.

These solutions provide verification that the calibration equations are functioning properly throughout the analytical range of the instrument. During sample analysis dilutions are made for analytes found at concentrations above the highest calibration standard. No results are taken from extrapolations beyond the highest standard.

Analysis by ICP-MS followed method 6020A and SOP 827 Rev. 6.

The relationship between intensity and concentration for each element is established using at least four standards, one of which is a blank solution. A calibration equation relating instrument response to concentration is developed by the instrument software. The equation is a higher order polynomial. This type of equation is used to improve quantitation accuracy at lower concentrations where the relationship between concentration and instrument response is non-linear.

During sample analysis concentrations are computed by the software and the results are printed in ug/L. The validity of the calibration equation is tested by analyzing the following solutions: a blank, a low level check solution with concentrations near the reporting limit, an Initial Calibration Verification (ICV) standard from a 2nd source standard solution with concentrations near the middle of the analytical range, a Continuing Calibration Verification (CCV) standard with concentrations near the middle of the analytical range but different than those in the ICV, and a readback of the highest calibration standard.

These solutions provide verification that the calibration equations are functioning properly throughout the analytical range of the instrument. During sample analysis dilutions are made for analytes found at concentrations above the highest calibration standard. No results are taken from extrapolations beyond the highest standard.

Analysis by CVAA followed method 7470A and SOP 812 Rev. 14.

The relationship between intensity and concentration is determined daily, prior to sample analysis. At least five standards and a blank solution are analyzed to establish the calibration curve. The instrument software performs a linear regression to fit the calibration data to a curve of the form:

$$\text{conc.} = B * I + C$$

where:

conc.	=	concentration
B	=	slope coefficient
I	=	intensity
C	=	intercept coefficient



A printout summarizing the calibration data supplies the calibration curve and correlation coefficient. During sample analysis both intensity and concentration values are printed. Dilutions are made for concentrations above the highest calibration standard. No results are taken from extrapolations above the highest standard.

6. All standards and solutions are NIST traceable and were used within their recommended shelf life.
7. The sample was prepared and analyzed within the established hold times.

All in house quality control procedures were followed, as described below.

8. General quality control procedures.
 - A preparation (method) blank and laboratory control sample were digested and analyzed with the samples in each digestion batch. There were not more than 20 samples in each digestion batch.
 - The preparation (method) blank associated with each digestion batch was below the practical quantitation limit for each requested analyte.
 - The laboratory control sample associated with each digestion batch was within the acceptance limits. This indicates complete digestion according to the method.
 - All initial and continuing calibration blanks associated with each analytical batch were below the practical quantitation limits for the requested analytes.
 - All initial and continuing calibration verifications associated with each analytical batch were within the acceptance criteria for the requested analytes. This indicates a valid calibration and stable instrument conditions.
 - The high standard readbacks associated with Method 6010B and 6020A analyses were within acceptance criteria.
 - The interference check samples associated with Method 6010B were within acceptance criteria.
 - The interference check samples associated with Method 6020A were analyzed.
9. Matrix specific quality control procedures.

Per method requirements, matrix QC was performed for each analysis. Since a sample from this order number was not the selected quality control (QC) sample, matrix specific QC results are not included in this report.

10. The sample was analyzed at a dilution in order to protect the Trace ICP from the high metal content of the sample. The sample required a further dilution to bring sodium into the analytical range of the Trace ICP.

It is a standard ALS Paragon practice that samples for ICP-MS are analyzed at a dilution.



The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS Paragon certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Emily Knodel
Emily Knodel
Inorganics Primary Data Reviewer

02-25-09
Date

Tom E. Miller
Inorganics Final Data Reviewer

02-25-09
Date



Inorganic Data Reporting Qualifiers

The following qualifiers are used by the laboratory when reporting results of inorganic analyses.

- Result qualifier -- A “B” is entered if the reported value was obtained from a reading that was less than the Practical Quantitation Limit but greater than or equal to the Method Detection Limit (MDL). If the analyte was analyzed for but not detected a “U” is entered.
- QC qualifier -- Specified entries and their meanings are as follows:
 - E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.
 - M - Duplicate injection precision was not met.
 - N - Spiked sample recovery not within control limits. A post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.
 - Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.
 - * - Duplicate analysis (relative percent difference) not within control limits.
 - S - SAR value is estimated as one or more analytes used in the calculation were not detected above the detection limit.

Chain of Custody

ALS Paragon

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0902111

Client Name: URS

Client Project Name: Williams-Rio Blanca

Client Project Number: 22240417.00001

Client PO Number: Williams 2008

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
FE-RG-11-7-397-PW-GPTF	0902111-1		WATER	12-Feb-09	12:15
Trip Blank 011309	0902111-2		WATER	12-Feb-09	



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

URS Corporation • 8181 E. Tufts Avenue, Denver, CO 80237 • 303-694-2770 • Fax 303-694-3946

PAGE 1 OF 1

Work Order #

0902111

Project Name Williams - Rio Blanco		Project Number 22240417.00001		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																																			
Project Manager: Richard Henry		Report To: Sheri O'Connor		Total Number of Containers		Metals (ICP/CVAA 6010B, 6020A, 7470A)		Anions, TDS, pH, Alkalinity		Ammonia as N (350.1)		VOCs - BTEX (8260B)		TPH as Gasoline (GRO 8015M)		TEPH as Diesel + Motor Oil (DRO CAL LUTFT 8015M)		Dissolved Methane (RSK-175)		PRESERVATIVE																			
Company/Address URS Corporation 8181 E. Tufts Avenue Denver, CO 80237		FAX # (303) 694-3946 (URS)		Sampler's Signature <i>David Slack</i>		Sampler's Printed Name David Slack		Preservative Key 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn, Acetate 6. MeOH 7. NaHSO ₄ 8. Other 9. < 6°C																															
Field Sample ID 11-R0411-7-397-PW-GP11		FOR LAB USE ONLY 1		SAMPLING DATE 02/12/09		TIME		MATRIX Water		LAB																													
Trip Blank 011309		2		02/12/09				Water		CONTAINER																													
SPECIAL INSTRUCTIONS COMMENTS										TURNAROUND REQUIREMENTS RUSH (surcharges apply) 24 hr 48 hr 5 day X STANDARD REQUESTED FAX DATE REQUESTED REPORT DATE										REPORT REQUIREMENTS I Results Only II Results + QC Summaries (LCS, DUP, MS/MSD as required) III Results + QC and Calibration Summaries X IV Data Validation Report with Raw Data Specialized Forms/Custom Report Edata Yes No										INVOICE INFORMATION PO# BILL TO SUBMISSION #									
URS Contact: <input checked="" type="checkbox"/> See SOW <input type="checkbox"/> See QAPP										Matrix Key: W - Water S - Soil/Sediment B - Biota O - Other Container Key: P - Plastic G - Glass C - Clear A - Amber V - Vial Z - Ziploc bag M - Multiple types										CUSTODY SEALS Y N										RECEIVED BY Signature Printed Name Firm Date/Time									
SAMPLE RECEIPT: CONDITION/COOLER TEMP. < 6°C										RECEIVED BY Signature Printed Name Firm Date/Time										RECEIVED BY Signature Printed Name Firm Date/Time										RECEIVED BY Signature Printed Name Firm Date/Time									
Signature <i>David Slack</i>										Signature <i>Lara J O'ban</i>										Signature <i>ALS Paragon</i>										Signature <i>ALS Paragon</i>									
Printed Name David Slack										Printed Name Lara J O'ban										Printed Name ALS Paragon										Printed Name ALS Paragon									
Firm URS Corporation										Firm ALS Paragon										Firm ALS Paragon										Firm ALS Paragon									
Date/Time 02/12/09										Date/Time 2/13/09 @ 1025										Date/Time 2/13/09 @ 1025										Date/Time 2/13/09 @ 1025									

CONDITION OF SAMPLE UPON RECEIPT FORM

Paragon Analytics

Client: URSWorkorder No: 0902111Project Manager: AWInitials: LJO Date: 2/13/09

1. Does this project require any special handling in addition to standard Paragon procedures?	YES	<u>NO</u>
2. Are custody seals on shipping containers intact?	NONE	<u>YES</u> NO
3. Are Custody seals on sample containers intact?	<u>NONE</u>	YES NO
4. Is there a COC (Chain-of-Custody) present or other representative documents?	<u>YES</u>	NO
5. Are the COC and bottle labels complete and legible ?	<u>YES</u>	NO
6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)	<u>YES</u>	NO
7. Were airbills / shipping documents present and/or removable?	DROP OFF	<u>YES</u> NO
8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles)	N/A	YES <u>NO</u>
9. Are all aqueous non-preserved samples pH 4-9 ?	N/A	<u>YES</u> NO
10. Is there sufficient sample for the requested analyses?	<u>YES</u>	NO
11. Were all samples placed in the proper containers for the requested analyses?	<u>YES</u>	NO
12. Are all samples within holding times for the requested analyses?	<u>YES</u>	NO
13. Were all sample containers received intact ? (not broken or leaking, etc.)	<u>YES</u>	NO
14. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: <u> </u> < green pea <u> </u> > green pea	N/A	YES <u>NO</u>
15. Do perchlorate LCMS-MS samples have headspace? (at least 1/3 of container required)	<u>N/A</u>	YES NO
16. Were samples checked for and free from the presence of residual chlorine ? (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	<u>N/A</u>	YES NO
17. Were the samples shipped on ice ?	<u>YES</u>	NO
18. Were cooler temperatures measured at 0.1-6.0°C?	IR gun used*: <u>#2</u> #4	RAD ONLY <u>YES</u> NO
Cooler #: <u>1</u>		
Temperature (°C): <u>3.8</u>		
No. of custody seals on cooler: <u>1</u>		
External µR/hr reading: <u>12</u>		
Background µR/hr reading: <u>12</u>		
Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? <u>YES</u> / NO / NA (If no, see Form 008.)		

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND #16.

- ★ Sample #1 (FE-RG-11-7-397-PW-GPTF) the 1L poly for metals analysis was received at pH 5.0. 20 ml HNO₃ (G17027-Lot#) was added at 1200 on 2/13/09 by LJO for a final pH < 2.
- Sample #1 (FE-RG-11-7-397-PW-GPTF) 2 of 3 40ml VOC vial contain headspace > pea.
 ↓ ↓ ↓ 3 of 3 ↓ GRO ↓ ↓ ↓ > pea.
- Sample #1 - time on bottles: 12:15

If applicable, was the client contacted? YES / NO / NA Contact: Sheri O'Connor Date/Time: c-mail 2/13/09Project Manager Signature / Date: [Signature] 2/13/09

*IR Gun #2: Oakton, SN 29922500201-0066

*IR Gun #4: Oakton, SN 2372220101-0002

1 From This portion can be removed for Recipient's records.

Date 2/12/01 FedEx Tracking Number 867568922148

Sender's Name DAVID SLACK Phone 970 284-4741

Company URS CORP

Address 113 COOPER AVE STE 100

City CLEVELAND OHIO State OH ZIP 44114-3423

2 Your Internal Billing Reference 22240417.54210.00001

3 To Recipient's Name DEB FAZIO Phone 970 950-1311

Company PANASONIC AMERICA

Recipient's Address 6000 CUMBERIDGE DRIVE

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City FORT COLLINS State CO ZIP 80524



8675 6892 2148

RECIPIENT: PEEL HERE

fedex.com 1.800.GoFedEx 1.800.463.3339



4a Express Package Service

☒ **FedEx Priority Overnight**
Next business morning delivery, Monday through Saturday. Delivery not available on Sundays and Federal Holidays.

☐ **FedEx Standard Overnight**
Next business day delivery, Monday through Saturday. Delivery not available on Sundays and Federal Holidays.

☐ **FedEx 2Day**
Second business day delivery, Monday through Saturday. Delivery not available on Sundays and Federal Holidays.

☐ **FedEx Express Saver**
Third business day delivery, Monday through Saturday. Delivery not available on Sundays and Federal Holidays.

Packages up to 150 lbs.

☐ **FedEx First Overnight**
Earliest next business morning delivery, Monday through Saturday. Delivery not available on Sundays and Federal Holidays.

4b Express Freight Service

☐ **FedEx 1Day Freight***
Next business day delivery, Monday through Saturday. Delivery not available on Sundays and Federal Holidays.

☐ **FedEx 2Day Freight**
Second business day delivery, Monday through Saturday. Delivery not available on Sundays and Federal Holidays.

☐ **FedEx 3Day Freight**
Third business day delivery, Monday through Saturday. Delivery not available on Sundays and Federal Holidays.

Packages over 150 lbs.

☐ **FedEx 3Day Freight**
Third business day delivery, Monday through Saturday. Delivery not available on Sundays and Federal Holidays.

☐ **FedEx 4Day Freight**
Fourth business day delivery, Monday through Saturday. Delivery not available on Sundays and Federal Holidays.

☐ **FedEx 5Day Freight**
Fifth business day delivery, Monday through Saturday. Delivery not available on Sundays and Federal Holidays.

5 Packaging

☐ **FedEx Envelope***

☐ **FedEx Pak***
Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.

6 Special Handling

☐ **SATURDAY Delivery**
Not available for FedEx Standard Overnight, FedEx 2Day, FedEx Express Saver, or FedEx 3Day Freight.

☐ **HOLD Weekday at FedEx Location**
Not available for FedEx First Overnight, FedEx Priority Overnight, and FedEx 2Day to select locations.

☐ **HOLD Saturday at FedEx Location**
Not available for FedEx First Overnight, FedEx Priority Overnight, and FedEx 2Day to select locations.

☐ **Include FedEx address in Section 3.**

☐ **Does this shipment contain dangerous goods?**
One box must be checked.

☒ **No** ☐ **Yes**
Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

☐ **Shipped's Declaration**
Shipped's Declaration.

☐ **Dry Ice**
Dry ice, 3 UN 1845.

☐ **Cargo Aircraft Only**

7 Payment

Bill to: ☐ **Sender** ☐ **Section 1 will be billed.**

☐ **Recipient** ☐ **Third Party** ☐ **Credit Card** ☐ **Cash/Check**

☐ **Obtain Receipt** ☐ **Acct. No.**

☐ **Enter FedEx Acct. No. or Credit Card No. below.**

☐ **Obtain Receipt** ☐ **Acct. No.**

☐ **Cash/Check**

☐ **Obtain Receipt** ☐ **Acct. No.**

☐ **Cash/Check**

☐ **Obtain Receipt** ☐ **Acct. No.**

☐ **Cash/Check**

☐ **Obtain Receipt** ☐ **Acct. No.**

☐ **Cash/Check**

☐ **Obtain Receipt** ☐ **Acct. No.**

☐ **Cash/Check**

☐ **Obtain Receipt** ☐ **Acct. No.**

☐ **Cash/Check**

☐ **Obtain Receipt** ☐ **Acct. No.**

☐ **Cash/Check**

☐ **Obtain Receipt** ☐ **Acct. No.**

☐ **Cash/Check**

☐ **Obtain Receipt** ☐ **Acct. No.**

☐ **Cash/Check**

☐ **Obtain Receipt** ☐ **Acct. No.**

☐ **Cash/Check**

☐ **Obtain Receipt** ☐ **Acct. No.**

☐ **Cash/Check**

☐ **Obtain Receipt** ☐ **Acct. No.**

*Your liability is limited to \$100 unless you declare a higher value. See the current FedEx Service Guide for details.

8 Residential Delivery Signature Options

If you require a signature, check Direct or Indirect.

☐ **No Signature Required**
Package may be left without obtaining a signature for delivery.

☐ **Direct Signature**
Someone at the delivery address may sign for delivery. *Fee applies.*

☐ **Indirect Signature**
Someone at the delivery address may sign for delivery. *Fee applies.*

☐ **Signature Required**
Someone at the delivery address may sign for delivery. *Fee applies.*

☐ **Signature Required**
Someone at the delivery address may sign for delivery. *Fee applies.*

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☐ **Signature Required**
Someone at the delivery address may sign for delivery. *Fee applies.*

☐ **Signature Required**
Someone at the delivery address may sign for delivery. *Fee applies.*

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Sample Results

Total Recoverable ICP Metals

Method SW6010B

Sample Results

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-11-7-397-PW-GPTF
Lab ID: 0902111-1

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 12-Feb-09

Date Extracted: 17-Feb-09

Date Analyzed: 18-Feb-09

Prep Method: SW3005 Rev A

Prep Batch: IP090217-1

QC Batch ID: IP090217-1-3

Run ID: IT090218-2A2

Cleanup: NONE

Basis: As Received

File Name: 090218A.

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7440-39-3	BARIUM	10	65000	1000	1.4		
7440-42-8	BORON	10	14000	1000	26		
7440-70-2	CALCIUM	10	180000	10000	140		
7440-47-3	CHROMIUM	10	100	100	7.3	U	
7439-89-6	IRON	10	12000	1000	36		
7439-93-2	LITHIUM	10	7400	100	1.5		
7439-95-4	MAGNESIUM	10	21000	10000	52		
7440-09-7	POTASSIUM	10	390000	10000	300		
7440-23-5	SODIUM	100	6000000	100000	600		
7440-24-6	STRONTIUM	10	33000	100	0.6		

Data Package ID: IT0902111-1

Date Printed: Wednesday, February 25, 2009

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Total Recoverable ICPMS Metals

Method SW6020A

Sample Results

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-11-7-397-PW-GPTF
Lab ID: 0902111-1

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 12-Feb-09

Date Extracted: 17-Feb-09

Date Analyzed: 18-Feb-09

Prep Method: SW3005 Rev A

Prep Batch: IP090217-1

QCBatchID: IP090217-1-4

Run ID: IM090218-1A2

Cleanup: NONE

Basis: As Received

File Name: 18FEB09A

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7440-38-2	ARSENIC	10	3.6	2	0.16		
7440-43-9	CADMIUM	10	0.12	0.3	0.03	B	
7439-92-1	LEAD	10	0.11	0.5	0.024	B	
7439-96-5	MANGANESE	10	300	2	0.058		
7782-49-2	SELENIUM	10	0.33	1	0.18	B	
7440-61-1	URANIUM	10	0.037	0.1	0.0041	B	

Data Package ID: IM0902111-1

Date Printed: Wednesday, February 25, 2009

ALS Paragon

LIMS Version: 6.247A

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Total Mercury

Method SW7470A

Sample Results

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-11-7-397-PW-GPTF
Lab ID: 0902111-1

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 12-Feb-09

Date Extracted: 20-Feb-09

Date Analyzed: 23-Feb-09

Prep Method: METHOD

Prep Batch: HG090220-1

QC Batch ID: HG090220-1-1

Run ID: HG090223-2A5

Cleanup: NONE

Basis: As Received

File Name: 09022301

Sample Aliquot: 20 g

Final Volume: 20 g

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7439-97-6	MERCURY	1	0.24	0.2	0.0081		

Data Package ID: HG0902111-1

Date Printed: Wednesday, February 25, 2009

ALS Paragon

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Summary Report Forms

ICP Metals

Method SW6010B

Method Blank

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: IP090217-1MB

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 17-Feb-09

Date Analyzed: 18-Feb-09

Prep Batch: IP090217-1

QCBatchID: IP090217-1-3

Run ID: IT090218-2A2

Cleanup: NONE

Basis: N/A

File Name: 090218A.

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7440-39-3	BARIUM	1	0.27	100	0.14	B	
7440-42-8	BORON	1	100	100	2.6	U	
7440-70-2	CALCIUM	1	1000	1000	14	U	
7440-47-3	CHROMIUM	1	10	10	0.73	U	
7439-89-6	IRON	1	100	100	3.6	U	
7439-93-2	LITHIUM	1	5.3	10	0.15	B	
7439-95-4	MAGNESIUM	1	-20	1000	5.2	B	
7440-09-7	POTASSIUM	1	300	1000	30	B	
7440-23-5	SODIUM	1	230	1000	6	B	
7440-24-6	STRONTIUM	1	-0.55	10	0.06	B	

Data Package ID: IT0902111-1

Date Printed: Wednesday, February 25, 2009

ALS Paragon

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ICP Metals

Method SW6010B

Laboratory Control Sample

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: IP090217-1LCS

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 02/17/2009

Date Analyzed: 02/18/2009

Prep Method: SW3005A

Prep Batch: IP090217-1

QC Batch ID: IP090217-1-3

Run ID: IT090218-2A2

Cleanup: NONE

Basis: N/A

File Name: 090218A.

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7440-39-3	BARIUM	2000	2010	100		100	80 - 120%
7440-42-8	BORON	1000	1060	100		106	80 - 120%
7440-70-2	CALCIUM	40000	42800	1000		107	80 - 120%
7440-47-3	CHROMIUM	200	204	10		102	80 - 120%
7439-89-6	IRON	1000	1040	100		104	80 - 120%
7439-93-2	LITHIUM	500	507	10		101	80 - 120%
7439-95-4	MAGNESIUM	40000	42800	1000		107	80 - 120%
7440-09-7	POTASSIUM	40000	39200	1000		98	80 - 120%
7440-23-5	SODIUM	40000	39800	1000		100	80 - 120%
7440-24-6	STRONTIUM	500	515	10		103	80 - 120%

Data Package ID: IT0902111-1

Date Printed: Wednesday, February 25, 2009

ALS Paragon

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Prep Batch ID: IP090217-1

Start Date: 02/17/09

End Date: 02/17/09

Concentration Method: NONE

Batch Created By: plm

Start Time: 11:00

End Time: 15:40

Extract Method: SW3005A

Date Created: 02/17/09

Prep Analyst: Preston Mathiesen

Initial Volume Units: g

Time Created: 11:22

Comments:

Final Volume Units: g

Validated By: plm

Date Validated: 02/17/09

Time Validated: 17:38

QC Batch ID: IP090217-1-3

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
IP090217-1	MB	XXXXXX	WATER	XXXXXX	50	50	NONE	1	0902102
IP090217-1	LCS	XXXXXX	WATER	XXXXXX	50	50	NONE	1	0902102
0902102-1	MS	XXXXXX	WATER	XXXXXX	50	50	NONE	1	0902102
0902102-1	MSD	XXXXXX	WATER	XXXXXX	50	50	NONE	1	0902102
0902102-1	DUP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	0902102
0902102-1	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	0902102
0902111-1	SMP	FE-RG-11-7-397-PW-	WATER	2/12/2009	50	50	NONE	1	0902111

QC Types

CAR	Carrier reference sample	DUP	Laboratory Duplicate
LCS	Laboratory Control Sample	LCSD	Laboratory Control Sample Duplicat
MB	Method Blank	MS	Laboratory Matrix Spike
MSD	Laboratory Matrix Spike Duplicate	REP	Sample replicate
SMP	Field Sample	SYS	Sample Yield Spike

ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: ICV

QC Type: Initial Calibration

File Name: 090218A.

Run ID: IT090218-2A2

Date Analyzed: 02/18/2009

Time Analyzed: 11:13

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-39-3	BARIUM	0.5	0.488	0.1		98	90 - 110%
7440-42-8	BORON	0.5	0.507	0.1		101	90 - 110%
7440-70-2	CALCIUM	25	25.8	1		103	90 - 110%
7440-47-3	CHROMIUM	0.5	0.486	0.01		97	90 - 110%
7439-89-6	IRON	10	10.2	0.1		102	90 - 110%
7439-93-2	LITHIUM	0.25	0.241	0.01		96	90 - 110%
7439-95-4	MAGNESIUM	25	25.8	1		103	90 - 110%
7440-09-7	POTASSIUM	25	24.3	1		97	90 - 110%
7440-23-5	SODIUM	25	24	1		96	90 - 110%
7440-24-6	STRONTIUM	0.25	0.25	0.01		100	90 - 110%

Data Package ID: IT0902111-1

Date Printed: Wednesday, February 25, 2009

ALS Paragon

LIMS Version: 6.247A

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ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV1

QC Type: Continuing Calibration

File Name: 090218A.

Run ID: IT090218-2A2

Date Analyzed: 02/18/2009

Time Analyzed: 11:24

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-39-3	BARIUM	1	0.982	0.1		98	90 - 110%
7440-42-8	BORON	1	1.03	0.1		103	90 - 110%
7440-70-2	CALCIUM	50	52.8	1		106	90 - 110%
7440-47-3	CHROMIUM	1	0.972	0.01		97	90 - 110%
7439-89-6	IRON	20	20.9	0.1		105	90 - 110%
7439-93-2	LITHIUM	0.5	0.518	0.01		104	90 - 110%
7439-95-4	MAGNESIUM	50	52.9	1		106	90 - 110%
7440-09-7	POTASSIUM	50	50.7	1		101	90 - 110%
7440-23-5	SODIUM	50	50.7	1		101	90 - 110%
7440-24-6	STRONTIUM	0.5	0.505	0.01		101	90 - 110%

Data Package ID: IT0902111-1

Date Printed: Wednesday, February 25, 2009

ALS Paragon

LIMS Version: 6.247A

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ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV2

QC Type: Continuing Calibration

File Name: 090218A.

Run ID: IT090218-2A2

Date Analyzed: 02/18/2009

Time Analyzed: 11:47

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-39-3	BARIUM	1	0.965	0.1		96	90 - 110%
7440-42-8	BORON	1	1.01	0.1		101	90 - 110%
7440-70-2	CALCIUM	50	51.6	1		103	90 - 110%
7440-47-3	CHROMIUM	1	0.952	0.01		95	90 - 110%
7439-89-6	IRON	20	20.4	0.1		102	90 - 110%
7439-93-2	LITHIUM	0.5	0.511	0.01		102	90 - 110%
7439-95-4	MAGNESIUM	50	51.7	1		103	90 - 110%
7440-09-7	POTASSIUM	50	50.1	1		100	90 - 110%
7440-23-5	SODIUM	50	49.6	1		99	90 - 110%
7440-24-6	STRONTIUM	0.5	0.494	0.01		99	90 - 110%

Data Package ID: IT0902111-1

Date Printed: Wednesday, February 25, 2009

ALS Paragon

LIMS Version: 6.247A

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ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV3

QC Type: Continuing Calibration

File Name: 090218A.

Run ID: IT090218-2A2

Date Analyzed: 02/18/2009

Time Analyzed: 12:10

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-39-3	BARIUM	1	0.96	0.1		96	90 - 110%
7440-42-8	BORON	1	1.01	0.1		101	90 - 110%
7440-70-2	CALCIUM	50	51.7	1		103	90 - 110%
7440-47-3	CHROMIUM	1	0.953	0.01		95	90 - 110%
7439-89-6	IRON	20	20.4	0.1		102	90 - 110%
7439-93-2	LITHIUM	0.5	0.51	0.01		102	90 - 110%
7439-95-4	MAGNESIUM	50	51.8	1		104	90 - 110%
7440-09-7	POTASSIUM	50	50.1	1		100	90 - 110%
7440-23-5	SODIUM	50	49.3	1		99	90 - 110%
7440-24-6	STRONTIUM	0.5	0.492	0.01		98	90 - 110%

Data Package ID: IT0902111-1

Date Printed: Wednesday, February 25, 2009

ALS Paragon

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ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV4

QC Type: Continuing Calibration

File Name: 090218A.

Run ID: IT090218-2A2

Date Analyzed: 02/18/2009

Time Analyzed: 12:34

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-39-3	BARIUM	1	0.979	0.1		98	90 - 110%
7440-42-8	BORON	1	1.03	0.1		103	90 - 110%
7440-70-2	CALCIUM	50	53.9	1		108	90 - 110%
7440-47-3	CHROMIUM	1	0.987	0.01		99	90 - 110%
7439-89-6	IRON	20	21.1	0.1		106	90 - 110%
7439-93-2	LITHIUM	0.5	0.517	0.01		103	90 - 110%
7439-95-4	MAGNESIUM	50	53.4	1		107	90 - 110%
7440-09-7	POTASSIUM	50	50.7	1		101	90 - 110%
7440-23-5	SODIUM	50	50.2	1		100	90 - 110%
7440-24-6	STRONTIUM	0.5	0.508	0.01		102	90 - 110%

Data Package ID: IT0902111-1

Date Printed: Wednesday, February 25, 2009

ALS Paragon

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ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV5

QC Type: Continuing Calibration

File Name: 090218A.

Run ID: IT090218-2A2

Date Analyzed: 02/18/2009

Time Analyzed: 12:48

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-39-3	BARIUM	1	0.965	0.1		97	90 - 110%
7440-42-8	BORON	1	1	0.1		100	90 - 110%
7440-70-2	CALCIUM	50	51.5	1		103	90 - 110%
7440-47-3	CHROMIUM	1	0.943	0.01		94	90 - 110%
7439-89-6	IRON	20	20.2	0.1		101	90 - 110%
7439-93-2	LITHIUM	0.5	0.511	0.01		102	90 - 110%
7439-95-4	MAGNESIUM	50	51.3	1		103	90 - 110%
7440-09-7	POTASSIUM	50	50.1	1		100	90 - 110%
7440-23-5	SODIUM	50	49.6	1		99	90 - 110%
7440-24-6	STRONTIUM	0.5	0.499	0.01		100	90 - 110%

Data Package ID: IT0902111-1

Date Printed: Wednesday, February 25, 2009

ALS Paragon

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ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV6

QC Type: Continuing Calibration

File Name: 090218A.

Run ID: IT090218-2A2

Date Analyzed: 02/18/2009

Time Analyzed: 13:10

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-39-3	BARIUM	1	0.958	0.1		96	90 - 110%
7440-42-8	BORON	1	1.01	0.1		101	90 - 110%
7440-70-2	CALCIUM	50	52.4	1		105	90 - 110%
7440-47-3	CHROMIUM	1	0.954	0.01		95	90 - 110%
7439-89-6	IRON	20	20.4	0.1		102	90 - 110%
7439-93-2	LITHIUM	0.5	0.506	0.01		101	90 - 110%
7439-95-4	MAGNESIUM	50	51.8	1		104	90 - 110%
7440-09-7	POTASSIUM	50	49.7	1		99	90 - 110%
7440-23-5	SODIUM	50	49.7	1		99	90 - 110%
7440-24-6	STRONTIUM	0.5	0.495	0.01		99	90 - 110%

Data Package ID: IT0902111-1

Date Printed: Wednesday, February 25, 2009

ALS Paragon

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ICP Metals

Method SW6010

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV7

QC Type: Continuing Calibration

File Name: 090218A.

Run ID: IT090218-2A2

Date Analyzed: 02/18/2009

Time Analyzed: 13:24

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-39-3	BARIUM	1	0.977	0.1		98	90 - 110%
7440-42-8	BORON	1	1.03	0.1		103	90 - 110%
7440-70-2	CALCIUM	50	53.8	1		108	90 - 110%
7440-47-3	CHROMIUM	1	0.974	0.01		97	90 - 110%
7439-89-6	IRON	20	20.8	0.1		104	90 - 110%
7439-93-2	LITHIUM	0.5	0.508	0.01		102	90 - 110%
7439-95-4	MAGNESIUM	50	52.9	1		106	90 - 110%
7440-09-7	POTASSIUM	50	49.8	1		100	90 - 110%
7440-23-5	SODIUM	50	49.8	1		100	90 - 110%
7440-24-6	STRONTIUM	0.5	0.508	0.01		102	90 - 110%

Data Package ID: IT0902111-1

Date Printed: Wednesday, February 25, 2009

ALS Paragon

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ICP Metals

Method SW6010

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: ICB

QC Type: Initial Calibration

Run ID: IT090218-2A2

Date Analyzed: 02/18/2009

Time Analyzed: 11:15:00 AM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-39-3	BARIUM	0.000279	0.1	B
7440-42-8	BORON	0.00275	0.1	B
7440-70-2	CALCIUM	-0.0248	1	B
7440-47-3	CHROMIUM	0.01	0.01	U
7439-89-6	IRON	-0.00254	0.1	B
7439-93-2	LITHIUM	0.00519	0.01	B
7439-95-4	MAGNESIUM	-0.0177	1	B
7440-09-7	POTASSIUM	0.256	1	B
7440-23-5	SODIUM	0.222	1	B
7440-24-6	STRONTIUM	-0.000551	0.01	B

Data Package ID: IT0902111-1

Date Printed: Wednesday, February 25, 2009

ALS Paragon

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ICP Metals

Method SW6010

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB1

QC Type: Continuing Calibration

Run ID: IT090218-2A2

Date Analyzed: 02/18/2009

Time Analyzed: 11:26:00 AM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-39-3	BARIUM	0.000279	0.1	B
7440-42-8	BORON	0.00176	0.1	B
7440-70-2	CALCIUM	-0.0221	1	B
7440-47-3	CHROMIUM	0.01	0.01	U
7439-89-6	IRON	-0.00156	0.1	B
7439-93-2	LITHIUM	0.00519	0.01	B
7439-95-4	MAGNESIUM	-0.0165	1	B
7440-09-7	POTASSIUM	0.247	1	B
7440-23-5	SODIUM	0.223	1	B
7440-24-6	STRONTIUM	-0.000551	0.01	B

Data Package ID: IT0902111-1

Date Printed: Wednesday, February 25, 2009

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ICP Metals

Method SW6010

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB2

QC Type: Continuing Calibration

Run ID: IT090218-2A2

Date Analyzed: 02/18/2009

Time Analyzed: 11:49:00 AM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-39-3	BARIUM	0.000243	0.1	B
7440-42-8	BORON	0.00176	0.1	B
7440-70-2	CALCIUM	-0.0203	1	B
7440-47-3	CHROMIUM	0.01	0.01	U
7439-89-6	IRON	-0.00206	0.1	B
7439-93-2	LITHIUM	0.00531	0.01	B
7439-95-4	MAGNESIUM	-0.0185	1	B
7440-09-7	POTASSIUM	0.298	1	B
7440-23-5	SODIUM	0.241	1	B
7440-24-6	STRONTIUM	-0.000523	0.01	B

Data Package ID: IT0902111-1

Date Printed: Wednesday, February 25, 2009

ALS Paragon

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ICP Metals

Method SW6010

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB3

QC Type: Continuing Calibration

Run ID: IT090218-2A2

Date Analyzed: 02/18/2009

Time Analyzed: 12:13:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-39-3	BARIUM	0.000267	0.1	B
7440-42-8	BORON	0.00142	0.1	B
7440-70-2	CALCIUM	-0.0225	1	B
7440-47-3	CHROMIUM	-0.000667	0.01	B
7439-89-6	IRON	-0.00177	0.1	B
7439-93-2	LITHIUM	0.00534	0.01	B
7439-95-4	MAGNESIUM	-0.0191	1	B
7440-09-7	POTASSIUM	0.305	1	B
7440-23-5	SODIUM	0.252	1	B
7440-24-6	STRONTIUM	-0.000575	0.01	B

Data Package ID: IT0902111-1

Date Printed: Wednesday, February 25, 2009

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ICP Metals

Method SW6010

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB4

QC Type: Continuing Calibration

Run ID: IT090218-2A2

Date Analyzed: 02/18/2009

Time Analyzed: 12:36:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-39-3	BARIUM	0.000267	0.1	B
7440-42-8	BORON	0.00171	0.1	B
7440-70-2	CALCIUM	-0.0238	1	B
7440-47-3	CHROMIUM	0.01	0.01	U
7439-89-6	IRON	-0.00203	0.1	B
7439-93-2	LITHIUM	0.00523	0.01	B
7439-95-4	MAGNESIUM	-0.0185	1	B
7440-09-7	POTASSIUM	0.257	1	B
7440-23-5	SODIUM	0.244	1	B
7440-24-6	STRONTIUM	-0.000575	0.01	B

Data Package ID: IT0902111-1

Date Printed: Wednesday, February 25, 2009

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ICP Metals

Method SW6010

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB5

QC Type: Continuing Calibration

Run ID: IT090218-2A2

Date Analyzed: 02/18/2009

Time Analyzed: 12:50:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-39-3	BARIUM	0.000304	0.1	B
7440-42-8	BORON	0.1	0.1	U
7440-70-2	CALCIUM	-0.0235	1	B
7440-47-3	CHROMIUM	0.01	0.01	U
7439-89-6	IRON	-0.00196	0.1	B
7439-93-2	LITHIUM	0.00518	0.01	B
7439-95-4	MAGNESIUM	-0.0153	1	B
7440-09-7	POTASSIUM	0.232	1	B
7440-23-5	SODIUM	0.237	1	B
7440-24-6	STRONTIUM	-0.000551	0.01	B

Data Package ID: IT0902111-1

Date Printed: Wednesday, February 25, 2009

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ICP Metals

Method SW6010

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB6

QC Type: Continuing Calibration

Run ID: IT090218-2A2

Date Analyzed: 02/18/2009

Time Analyzed: 1:12:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-39-3	BARIUM	0.000218	0.1	B
7440-42-8	BORON	0.1	0.1	U
7440-70-2	CALCIUM	-0.0231	1	B
7440-47-3	CHROMIUM	0.01	0.01	U
7439-89-6	IRON	-0.00185	0.1	B
7439-93-2	LITHIUM	0.00532	0.01	B
7439-95-4	MAGNESIUM	-0.0195	1	B
7440-09-7	POTASSIUM	0.32	1	B
7440-23-5	SODIUM	0.234	1	B
7440-24-6	STRONTIUM	-0.000572	0.01	B

Data Package ID: IT0902111-1

Date Printed: Wednesday, February 25, 2009

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ICP Metals

Method SW6010

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB7

QC Type: Continuing Calibration

Run ID: IT090218-2A2

Date Analyzed: 02/18/2009

Time Analyzed: 1:27:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-39-3	BARIUM	0.000304	0.1	B
7440-42-8	BORON	0.1	0.1	U
7440-70-2	CALCIUM	-0.0206	1	B
7440-47-3	CHROMIUM	0.01	0.01	U
7439-89-6	IRON	0.1	0.1	U
7439-93-2	LITHIUM	0.00521	0.01	B
7439-95-4	MAGNESIUM	-0.0136	1	B
7440-09-7	POTASSIUM	0.252	1	B
7440-23-5	SODIUM	0.23	1	B
7440-24-6	STRONTIUM	-0.000547	0.01	B

Data Package ID: IT0902111-1

Date Printed: Wednesday, February 25, 2009

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ICP Metals

Method SW6010

ICP Interference Check Sample

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Run ID: IT090218-2A2

Date Analyzed: 02/18/2009

Result Units: MG/L

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA1	ICSAB1	ICSA1	ICSAB1	
7440-39-3	BARIUM		0.5		0.491	98
7440-42-8	BORON		1		1.01	101
7440-70-2	CALCIUM	250	250	266	276	110
7440-47-3	CHROMIUM		0.5		0.44900	90
7439-89-6	IRON	100	100	106	110	110
7439-93-2	LITHIUM		1		1.06	106
7439-95-4	MAGNESIUM	250	250	264	274	109
7440-09-7	POTASSIUM					
7440-23-5	SODIUM					
7440-24-6	STRONTIUM		1		1	100

Data Package ID: IT0902111-1

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ICP Metals

Method SW6010

ICP Interference Check Sample

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Run ID: IT090218-2A2

Date Analyzed: 02/18/2009

Result Units: MG/L

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA2	ICSAB2	ICSA2	ICSAB2	
7440-39-3	BARIUM		0.5		0.49000	98
7440-42-8	BORON		1		1.02	102
7440-70-2	CALCIUM	250	250	288	290	116
7440-47-3	CHROMIUM		0.5		0.457	91
7439-89-6	IRON	100	100	112	112	112
7439-93-2	LITHIUM		1		1.05	105
7439-95-4	MAGNESIUM	250	250	278	279	112
7440-09-7	POTASSIUM					
7440-23-5	SODIUM					
7440-24-6	STRONTIUM		1		1.01	101

Data Package ID: IT0902111-1

Date Printed: Wednesday, February 25, 2009

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Metals Linear Ranges

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Instrument ID: ICPTTrace2

Active Date: 01/08/2009

Expiration Date: 04/08/2009

CASNO	Target Analyte	Concentration (ppm)
7440-38-2	ARSENIC	5
7440-39-3	BARIUM	10
7440-42-8	BORON	10
7440-43-9	CADMIUM	5
7440-70-2	CALCIUM	500
7440-47-3	CHROMIUM	10
7439-89-6	IRON	200
7439-92-1	LEAD	10
7439-93-2	LITHIUM	5
7439-95-4	MAGNESIUM	500
7439-96-5	MANGANESE	10
7440-09-7	POTASSIUM	250
7782-49-2	SELENIUM	5
7440-23-5	SODIUM	250
7440-24-6	STRONTIUM	10
7440-61-1	URANIUM	50

ICP Interelement Correction Factors

Lab Name: ALS Paragon
Work Order Number: 0902111
Client Name: URS
ClientProject ID: Williams-Rio Blanca 22240417.00001

Instrument ID: ICPTTrace2
Active Date: 1/8/2009
Expiration Date: 1/8/2010

Analyte	Lamda (nm)	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	Th
CADMIUM				0.0068507													
CHROMIUM																	
LEAD		0.0001922										0.0000375					
SELENIUM		0.0000172										0.000036					
URANIUM												0.0006809					

ICP Interelement Correction Factors

Lab Name: ALS Paragon
Work Order Number: 0902111
Client Name: URS
ClientProject ID: Williams-Rio Blanca 22240417.00001

Instrument ID: ICPTTrace2
Active Date: 1/8/2009
Expiration Date: 1/8/2010

Analyte	Lamda (nm)	K	Se	Ag	Na	Tl	V	Zn	Sn	Ti	Mo	Li	Sr	B	Si	U	Zr
CADMIUM																	
CHROMIUM																0.0005333	
LEAD										0.0002142	-0.001318					0.0010996	
SELENIUM																0.0000151	
URANIUM																	

ICPTrace2 Run Log -- 2/18/2009

Instrument ID: ICPTTrace2

File Name: 090218A.

AnalRunID: IT090218-2A1

CalibRefID: IT090218-2A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		MIXBHIGH	1	2/18/2009	11:01
		MIXAHIGH	1	2/18/2009	11:03
		MIXCHIGH	1	2/18/2009	11:05
		ICV	1	2/18/2009	11:13
		ICB	1	2/18/2009	11:15
		CRI1	1	2/18/2009	11:17
		ICSA1	1	2/18/2009	11:19
		ICSAB1	1	2/18/2009	11:22
		CCV1	1	2/18/2009	11:24
		CCB1	1	2/18/2009	11:26
		IP090217-1MB	1	2/18/2009	11:28
		IP090217-1LCS	1	2/18/2009	11:30
- Al,Mo,Na,Pb,Sb,Si		0902094-3	10	2/18/2009	11:32
		0902094-5	1	2/18/2009	11:34
- S		0902102-1	1	2/18/2009	11:36
- S		0902102-1DUP	1	2/18/2009	11:38
- S		0902102-1SER	5	2/18/2009	11:40
- S		0902102-1MS	1	2/18/2009	11:41
- S		0902102-1MSD	1	2/18/2009	11:43
- S		0902102-2	1	2/18/2009	11:45
		CCV2	1	2/18/2009	11:47
		CCB2	1	2/18/2009	11:49
- S		0902102-3	1	2/18/2009	11:52
- S		0902102-4	1	2/18/2009	11:53
- S		0902102-5	1	2/18/2009	11:55
- S		0902102-6	1	2/18/2009	11:57
- S		0902102-7	1	2/18/2009	11:59
- Na	FE-RG-11-7-397-PW-GPTF	0902111-1	10	2/18/2009	12:01
		EX090216-6MB	1	2/18/2009	12:03
		EX090216-6LCS	1	2/18/2009	12:05
		EX090216-6LCSD	1	2/18/2009	12:07
- Na		0901256-5	1	2/18/2009	12:08
		CCV3	1	2/18/2009	12:10
		CCB3	1	2/18/2009	12:13
- Na		0901256-6	1	2/18/2009	12:15

Data Package ID: IT0902111-1

ICPTrace2 Run Log -- 2/18/2009

Instrument ID: ICPTTrace2

File Name: 090218A.

AnalRunID: IT090218-2A1

CalibRefID: IT090218-2A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		0901256-7	1	2/18/2009	12:17
- Na,S		0901256-8	1	2/18/2009	12:19
- Na		0901256-9	1	2/18/2009	12:20
		0901256-10	1	2/18/2009	12:22
		0901256-11	1	2/18/2009	12:24
- Pb		0902121-4	1	2/18/2009	12:26
- Pb		0902121-4DUP	1	2/18/2009	12:28
- Pb		0902121-4SER	5	2/18/2009	12:30
- Pb		0902121-4MS	1	2/18/2009	12:32
		CCV4	1	2/18/2009	12:34
		CCB4	1	2/18/2009	12:36
		0902121-4MSD	1	2/18/2009	12:38
- Pb		0902121-5	1	2/18/2009	12:40
- Pb		0902121-6	1	2/18/2009	12:42
		CCV5	1	2/18/2009	12:48
		CCB5	1	2/18/2009	12:50
		0902123-2	1	2/18/2009	12:53
+ Na	FE-RG-11-7-397-PW-GPTF	0902111-1	100	2/18/2009	12:55
+ Pb		0902121-4	5	2/18/2009	12:57
+ Pb		0902121-4DUP	5	2/18/2009	12:59
+ Pb		0902121-4SER	25	2/18/2009	13:01
+ Pb		0902121-4MS	5	2/18/2009	13:02
+ Pb		0902121-4MSD	5	2/18/2009	13:04
+ Pb		0902121-5	100	2/18/2009	13:06
+ Pb		0902121-6	100	2/18/2009	13:08
		CCV6	1	2/18/2009	13:10
		CCB6	1	2/18/2009	13:12
		CRI2	1	2/18/2009	13:15
		ICSA2	1	2/18/2009	13:17
		ICSAB2	1	2/18/2009	13:19
		ZZZ	1	2/18/2009	13:21
		CCV7	1	2/18/2009	13:24
		CCB7	1	2/18/2009	13:27

Data Package ID: IT0902111-1

ICPTTrace2 Run Log -- 2/18/2009

Instrument ID: ICPTTrace2
File Name: 090218A.
AnalRunID: IT090218-2A1
CalibRefID: IT090218-2A1

Start Date: 2/18/2009
End Date: 2/18/2009

Lab ID	DF	Time	A	A	A	B	B	B	B	C	C	C	C	C	C	F	K	L	M	M	N	N	P	P	S	S	S	S	S	S	S	T	T	T	U	V	Z	Z
ICV	1	11:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB	1	11:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CR11	1	11:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA1	1	11:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB1	1	11:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV1	1	11:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB1	1	11:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IP090217-1MB	1	11:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IP090217-1LCS	1	11:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0902094-3	10	11:32	X																																			
0902094-5	1	11:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0902102-1	1	11:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0902102-1DUP	1	11:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0902102-1SER	5	11:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0902102-1MS	1	11:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0902102-1MSD	1	11:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0902102-2	1	11:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV2	1	11:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB2	1	11:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0902102-3	1	11:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0902102-4	1	11:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0902102-5	1	11:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0902102-6	1	11:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0902102-7	1	11:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0902111-1	10	12:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Data Package ID: IT0902111-1

ICPTTrace2 Run Log -- 2/18/2009

Instrument ID: ICPTTrace2
File Name: 090218A.
AnalRunID: IT090218-2A1
CalibRefID: IT090218-2A1

Start Date: 2/18/2009
End Date: 2/18/2009

Lab ID	DF	Time	A G L	A S	B	B A	B E I	C A	C D O	C R	C U	F E	K I	L I	M G N	M O	N A	N I	P B	S	S B	S E I	S N	S R	T H	T I L	U	V	Z N	Z R
EX090216-6MB	1	12:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
EX090216-6LCS	1	12:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
EX090216-6LCS	1	12:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901256-5	1	12:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X
CCV3	1	12:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB3	1	12:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901256-6	1	12:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X
0901256-7	1	12:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901256-8	1	12:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X			X	X	X	X	X	X	X	X	X
0901256-9	1	12:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X
0901256-10	1	12:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0901256-11	1	12:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0902121-4	1	12:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
0902121-4DUP	1	12:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0902121-4SER	5	12:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0902121-4MS	1	12:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
CCV4	1	12:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB4	1	12:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0902121-4MSD	1	12:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0902121-5	1	12:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
0902121-6	1	12:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV5	1	12:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB5	1	12:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0902123-2	1	12:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
0902111-1	100	12:55															X													

Data Package ID: IT0902111-1

ICPTTrace2 Run Log -- 2/18/2009

Instrument ID: ICPTTrace2
File Name: 090218A.
AnalRunID: IT090218-2A1
CalibRefID: IT090218-2A1

Start Date: 2/18/2009
End Date: 2/18/2009

Lab ID	DF	Time	A G L	A S	B	B A	B E	B I	C A	C D	C O	C R	C U	F E	K	L I	M G	M N	M O	N A	N I	P	P B	S	S B	S E	S I	S N	S R	T H	T I	T L	U	V	Z N	Z R
0902121-4	5	12:57																				X														
0902121-4DUP	5	12:59																				X														
0902121-4SER	25	13:01																				X														
0902121-4MS	5	13:02																				X														
0902121-4MSD	5	13:04																				X														
0902121-5	100	13:06																				X														
0902121-6	100	13:08																				X														
CCV6	1	13:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB6	1	13:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI2	1	13:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA2	1	13:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB2	1	13:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV7	1	13:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB7	1	13:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Data Package ID: IT0902111-1

ICPMS Metals

Method SW6020A

Method Blank

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: IP090217-1MB

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 17-Feb-09

Date Analyzed: 18-Feb-09

Prep Batch: IP090217-1

QCBatchID: IP090217-1-4

Run ID: IM090218-1A2

Cleanup: NONE

Basis: N/A

File Name: 18FEB09A

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7440-38-2	ARSENIC	10	0.25	2	0.16	B	
7440-43-9	CADMIUM	10	0.04	0.3	0.03	B	
7439-92-1	LEAD	10	0.048	0.5	0.024	B	
7439-96-5	MANGANESE	10	2	2	0.058	U	
7782-49-2	SELENIUM	10	0.46	1	0.18	B	
7440-61-1	URANIUM	10	0.024	0.1	0.0041	B	

Data Package ID: IM0902111-1

Date Printed: Wednesday, February 25, 2009

ALS Paragon

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ICPMS Metals

Method SW6020A

Laboratory Control Sample

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: IM090217-1LCS

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 02/17/2009

Date Analyzed: 02/18/2009

Prep Method: SW3005A

Prep Batch: IP090217-1

QCBatchID: IP090217-1-4

Run ID: IM090218-1A2

Cleanup: NONE

Basis: N/A

File Name: 18FEB09A

Sample Aliquot: 50 g

Final Volume: 50 g

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7440-38-2	ARSENIC	40	43.7	2		109	80 - 120%
7440-43-9	CADMIUM	20	20.2	0.3		101	80 - 120%
7439-92-1	LEAD	100	101	0.5		101	80 - 120%
7439-96-5	MANGANESE	100	99	2		99	80 - 120%
7782-49-2	SELENIUM	40	41.6	1		104	80 - 120%
7440-61-1	URANIUM	20	20.4	0.1		102	80 - 120%

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Prep Batch ID: IP090217-1

Start Date: 02/17/09

End Date: 02/17/09

Concentration Method: NONE

Batch Created By: plm

Start Time: 11:00

End Time: 15:40

Extract Method: SW3005A

Date Created: 02/17/09

Prep Analyst: Preston Mathiesen

Initial Volume Units: g

Time Created: 11:22

Comments:

Final Volume Units: g

Validated By: plm

Date Validated: 02/17/09

Time Validated: 17:38

QC Batch ID: IP090217-1-4

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
IP090217-1	MB	XXXXXX	WATER	XXXXXX	50	50	NONE	1	0902102
IM090217-1	LCS	XXXXXX	WATER	XXXXXX	50	50	NONE	1	0902102
0902102-1	MS	XXXXXX	WATER	XXXXXX	50	50	NONE	1	0902102
0902102-1	MSD	XXXXXX	WATER	XXXXXX	50	50	NONE	1	0902102
0902102-1	DUP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	0902102
0902102-1	SMP	XXXXXX	WATER	XXXXXX	50	50	NONE	1	0902102
0902111-1	SMP	FE-RG-11-7-397-PW-	WATER	2/12/2009	50	50	NONE	1	0902111

QC Types

CAR	Carrier reference sample	DUP	Laboratory Duplicate
LCS	Laboratory Control Sample	LCSD	Laboratory Control Sample Duplicat
MB	Method Blank	MS	Laboratory Matrix Spike
MSD	Laboratory Matrix Spike Duplicate	REP	Sample replicate
SMP	Field Sample	SYS	Sample Yield Spike

ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: ICV

QC Type: Initial Calibration

File Name: 18FEB09A

Run ID: IM090218-1A2

Date Analyzed: 02/18/2009

Time Analyzed: 11:52

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.005	0.00533	0.0002		107	90 - 110%
7440-43-9	CADMIUM	0.0025	0.00256	0.00003		103	90 - 110%
7439-92-1	LEAD	0.0125	0.013	0.00005		104	90 - 110%
7439-96-5	MANGANESE	0.0125	0.0127	0.0002		102	90 - 110%
7782-49-2	SELENIUM	0.005	0.00509	0.0001		102	90 - 110%
7440-61-1	URANIUM	0.0025	0.0026	0.00001		104	90 - 110%

Data Package ID: IM0902111-1

Date Printed: Wednesday, February 25, 2009

ALS Paragon

LIMS Version: 6.247A

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ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV1

QC Type: Continuing Calibration

File Name: 18FEB09A

Run ID: IM090218-1A2

Date Analyzed: 02/18/2009

Time Analyzed: 12:28

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.004	0.00404	0.0002		101	90 - 110%
7440-43-9	CADMIUM	0.002	0.00201	0.00003		101	90 - 110%
7439-92-1	LEAD	0.01	0.0101	0.00005		101	90 - 110%
7439-96-5	MANGANESE	0.01	0.00985	0.0002		99	90 - 110%
7782-49-2	SELENIUM	0.004	0.00404	0.0001		101	90 - 110%
7440-61-1	URANIUM	0.002	0.00201	0.00001		100	90 - 110%

Data Package ID: IM0902111-1

Date Printed: Wednesday, February 25, 2009

ALS Paragon

LIMS Version: 6.247A

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ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV2

QC Type: Continuing Calibration

File Name: 18FEB09A

Run ID: IM090218-1A2

Date Analyzed: 02/18/2009

Time Analyzed: 12:58

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.004	0.00419	0.0002		105	90 - 110%
7440-43-9	CADMIUM	0.002	0.002	0.00003		100	90 - 110%
7439-92-1	LEAD	0.01	0.0102	0.00005		102	90 - 110%
7439-96-5	MANGANESE	0.01	0.00982	0.0002		98	90 - 110%
7782-49-2	SELENIUM	0.004	0.00419	0.0001		105	90 - 110%
7440-61-1	URANIUM	0.002	0.00201	0.00001		101	90 - 110%

Data Package ID: IM0902111-1

Date Printed: Wednesday, February 25, 2009

ALS Paragon

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ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV3

QC Type: Continuing Calibration

File Name: 18FEB09A

Run ID: IM090218-1A2

Date Analyzed: 02/18/2009

Time Analyzed: 13:59

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.004	0.00408	0.0002		102	90 - 110%
7440-43-9	CADMIUM	0.002	0.00199	0.00003		100	90 - 110%
7439-92-1	LEAD	0.01	0.0102	0.00005		102	90 - 110%
7439-96-5	MANGANESE	0.01	0.00967	0.0002		97	90 - 110%
7782-49-2	SELENIUM	0.004	0.00399	0.0001		100	90 - 110%
7440-61-1	URANIUM	0.002	0.00202	0.00001		101	90 - 110%

Data Package ID: IM0902111-1

Date Printed: Wednesday, February 25, 2009

ALS Paragon

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ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV4

QC Type: Continuing Calibration

File Name: 18FEB09A

Run ID: IM090218-1A2

Date Analyzed: 02/18/2009

Time Analyzed: 14:20

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.004	0.00407	0.0002		102	90 - 110%
7440-43-9	CADMIUM	0.002	0.00202	0.00003		101	90 - 110%
7439-92-1	LEAD	0.01	0.01	0.00005		100	90 - 110%
7439-96-5	MANGANESE	0.01	0.00987	0.0002		99	90 - 110%
7782-49-2	SELENIUM	0.004	0.00411	0.0001		103	90 - 110%
7440-61-1	URANIUM	0.002	0.00202	0.00001		101	90 - 110%

Data Package ID: IM0902111-1

Date Printed: Wednesday, February 25, 2009

ALS Paragon

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ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV5

QC Type: Continuing Calibration

File Name: 18FEB09A

Run ID: IM090218-1A2

Date Analyzed: 02/18/2009

Time Analyzed: 15:11

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.004	0.00414	0.0002		104	90 - 110%
7440-43-9	CADMIUM	0.002	0.00202	0.00003		101	90 - 110%
7439-92-1	LEAD	0.01	0.0101	0.00005		101	90 - 110%
7439-96-5	MANGANESE	0.01	0.00989	0.0002		99	90 - 110%
7782-49-2	SELENIUM	0.004	0.00387	0.0001		97	90 - 110%
7440-61-1	URANIUM	0.002	0.00203	0.00001		102	90 - 110%

Data Package ID: IM0902111-1

Date Printed: Wednesday, February 25, 2009

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ICPMS Metals

Method SW6020

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV6

QC Type: Continuing Calibration

File Name: 18FEB09A

Run ID: IM090218-1A2

Date Analyzed: 02/18/2009

Time Analyzed: 15:51

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
7440-38-2	ARSENIC	0.004	0.00426	0.0002		106	90 - 110%
7440-43-9	CADMIUM	0.002	0.00197	0.00003		99	90 - 110%
7439-92-1	LEAD	0.01	0.0101	0.00005		101	90 - 110%
7439-96-5	MANGANESE	0.01	0.00974	0.0002		97	90 - 110%
7782-49-2	SELENIUM	0.004	0.0041	0.0001		102	90 - 110%
7440-61-1	URANIUM	0.002	0.00203	0.00001		101	90 - 110%

Data Package ID: IM0902111-1

Date Printed: Wednesday, February 25, 2009

ALS Paragon

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ICPMS Metals

Method SW6020 Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: ICB

QC Type: Initial Calibration

Run ID: IM090218-1A2

Date Analyzed: 02/18/2009

Time Analyzed: 11:57:00 AM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.0000132	0.0002	B
7440-43-9	CADMIUM	5.85E-06	0.00003	B
7439-92-1	LEAD	0.0000095	0.00005	B
7439-96-5	MANGANESE	0.0002	0.0002	U
7782-49-2	SELENIUM	0.0000214	0.0001	B
7440-61-1	URANIUM	3.61E-06	0.00001	B

Data Package ID: IM0902111-1

Date Printed: Wednesday, February 25, 2009

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ICPMS Metals

Method SW6020 Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB1

QC Type: Continuing Calibration

Run ID: IM090218-1A2

Date Analyzed: 02/18/2009

Time Analyzed: 12:30:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.0000171	0.0002	B
7440-43-9	CADMIUM	0.0000063	0.00003	B
7439-92-1	LEAD	6.16E-06	0.00005	B
7439-96-5	MANGANESE	0.0002	0.0002	U
7782-49-2	SELENIUM	0.000024	0.0001	B
7440-61-1	URANIUM	2.91E-06	0.00001	B

Data Package ID: IM0902111-1

Date Printed: Wednesday, February 25, 2009

ALS Paragon

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ICPMS Metals

Method SW6020 Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB2

QC Type: Continuing Calibration

Run ID: IM090218-1A2

Date Analyzed: 02/18/2009

Time Analyzed: 1:01:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.0000203	0.0002	B
7440-43-9	CADMIUM	4.61E-06	0.00003	B
7439-92-1	LEAD	0.000007	0.00005	B
7439-96-5	MANGANESE	0.0002	0.0002	U
7782-49-2	SELENIUM	0.0000236	0.0001	B
7440-61-1	URANIUM	3.44E-06	0.00001	B

Data Package ID: IM0902111-1

Date Printed: Wednesday, February 25, 2009

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ICPMS Metals

Method SW6020 Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB3

QC Type: Continuing Calibration

Run ID: IM090218-1A2

Date Analyzed: 02/18/2009

Time Analyzed: 2:04:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.0000191	0.0002	B
7440-43-9	CADMIUM	4.25E-06	0.00003	B
7439-92-1	LEAD	6.18E-06	0.00005	B
7439-96-5	MANGANESE	0.0002	0.0002	U
7782-49-2	SELENIUM	0.0000183	0.0001	B
7440-61-1	URANIUM	3.03E-06	0.00001	B

Data Package ID: IM0902111-1

Date Printed: Wednesday, February 25, 2009

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ICPMS Metals

Method SW6020 Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB4

QC Type: Continuing Calibration

Run ID: IM090218-1A2

Date Analyzed: 02/18/2009

Time Analyzed: 2:23:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.0000265	0.0002	B
7440-43-9	CADMIUM	0.0000046	0.00003	B
7439-92-1	LEAD	6.88E-06	0.00005	B
7439-96-5	MANGANESE	0.0002	0.0002	U
7782-49-2	SELENIUM	0.000021	0.0001	B
7440-61-1	URANIUM	3.14E-06	0.00001	B

Data Package ID: IM0902111-1

Date Printed: Wednesday, February 25, 2009

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ICPMS Metals

Method SW6020 Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB5

QC Type: Continuing Calibration

Run ID: IM090218-1A2

Date Analyzed: 02/18/2009

Time Analyzed: 3:14:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.0000215	0.0002	B
7440-43-9	CADMIUM	5.22E-06	0.00003	B
7439-92-1	LEAD	8.26E-06	0.00005	B
7439-96-5	MANGANESE	0.0002	0.0002	U
7782-49-2	SELENIUM	0.0001	0.0001	U
7440-61-1	URANIUM	3.66E-06	0.00001	B

Data Package ID: IM0902111-1

Date Printed: Wednesday, February 25, 2009

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ICPMS Metals

Method SW6020 Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB6

QC Type: Continuing Calibration

Run ID: IM090218-1A2

Date Analyzed: 02/18/2009

Time Analyzed: 3:54:00 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
7440-38-2	ARSENIC	0.0000259	0.0002	B
7440-43-9	CADMIUM	7.81E-06	0.00003	B
7439-92-1	LEAD	0.0000117	0.00005	B
7439-96-5	MANGANESE	0.000012	0.0002	B
7782-49-2	SELENIUM	0.0000219	0.0001	B
7440-61-1	URANIUM	4.25E-06	0.00001	B

Data Package ID: IM0902111-1

Date Printed: Wednesday, February 25, 2009

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ICPMS Metals

Method SW6020

ICP Interference Check Sample

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Run ID: IM090218-1A2

Date Analyzed: 02/18/2009

Result Units: MG/L

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA1	ICSAB1	ICSA1	ICSAB1	
7440-43-9	CADMIUM		0.002		0.00200	100
7439-92-1	LEAD		0.01		0.01020	102
7439-96-5	MANGANESE		0.01		0.01140	114
7440-61-1	URANIUM		0.002		0.00213	106

Data Package ID: *IM0902111-1*

Date Printed: Wednesday, February 25, 2009

ALS Paragon

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ICPMS Metals

Method SW6020

ICP Interference Check Sample

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Run ID: IM090218-1A2

Date Analyzed: 02/18/2009

Result Units: MG/L

CASNO	Target Analyte	Spike Added		Results		% Rec.
		ICSA2	ICSAB2	ICSA2	ICSAB2	
7440-38-2	ARSENIC		0.004		0.00402	100
7782-49-2	SELENIUM		0.004		0.0039	98

Data Package ID: IM0902111-1

Date Printed: Wednesday, February 25, 2009

ALS Paragon

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Metals Linear Ranges

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Instrument ID: ICPMS

Active Date: 01/16/2009

Expiration Date: 04/15/2009

CASNO	Target Analyte	Concentration (ppm)
7440-38-2	ARSENIC	0.02
7440-43-9	CADMIUM	0.01
7439-92-1	LEAD	0.05
7439-96-5	MANGANESE	0.05
7782-49-2	SELENIUM	0.02
7440-61-1	URANIUM	0.01

ICPMS Run Log -- 2/18/2009

Instrument ID: ICPMS

File Name: 18FEB09A

AnalRunID: IM090218-1A1

CalibRefID: IM090218-1A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		0		2/18/2009	11:24
		L/100 STDUP		2/18/2009	11:27
		L/20		2/18/2009	11:29
		L/10		2/18/2009	11:32
		LOW/2 STDUP		2/18/2009	11:34
		LOW		2/18/2009	11:37
		MID		2/18/2009	11:39
		HIGH/2 STDUP		2/18/2009	11:42
		HIGH		2/18/2009	11:45
		HIGH STDUP		2/18/2009	11:48
		ICV	1	2/18/2009	11:52
		ICB	1	2/18/2009	11:57
		CR11	1	2/18/2009	11:59
As,Se		ICSA1	1	2/18/2009	12:02
As,Se		ICSAB1	1	2/18/2009	12:04
As,Se		IP090217-2MB	10	2/18/2009	12:07
As,Se		IP090217-2LCS	10	2/18/2009	12:11
As,Se		0902092-4	10	2/18/2009	12:13
		ZZZZZZ	1	2/18/2009	12:17
		ZZZZZZ	1	2/18/2009	12:20
As,Se		0902117-1DUP	10	2/18/2009	12:23
As,Se		0902117-1SER	50	2/18/2009	12:25
		CCV1	1	2/18/2009	12:28
		CCB1	1	2/18/2009	12:30
As,Se		0902117-1MS	10	2/18/2009	12:33
As,Se		0902117-1MSD	10	2/18/2009	12:36
As,Se		0902117-2	10	2/18/2009	12:38
As,Se		0902117-3	10	2/18/2009	12:42
As,Se		0902118-2	10	2/18/2009	12:45
As,Se		0902118-4	10	2/18/2009	12:47
As,Se		0902117-1	10	2/18/2009	12:53
As,Se		0902092-5	100	2/18/2009	12:55
		CCV2	1	2/18/2009	12:58
		CCB2	1	2/18/2009	13:01
As,Se		IP090217-1MB	10	2/18/2009	13:32

Data Package ID: IM0902111-1

ICPMS Run Log -- 2/18/2009

Instrument ID: ICPMS

File Name: 18FEB09A

AnalRunID: IM090218-1A1

CalibRefID: IM090218-1A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
As,Se		IM090217-1LCS	10	2/18/2009	13:35
As,Se	FE-RG-11-7-397-PW-GPTF	0902111-1	10	2/18/2009	13:37
		0902102-1	100	2/18/2009	13:41
		0902102-1DUP	100	2/18/2009	13:44
		0902102-1SER	500	2/18/2009	13:46
		0902102-1MS	100	2/18/2009	13:49
		0902102-1MSD	100	2/18/2009	13:52
		ZZZZZZ	1	2/18/2009	13:54
		ZZZZZZ	1	2/18/2009	13:57
		CCV3	1	2/18/2009	13:59
		CCB3	1	2/18/2009	14:04
		ZZZZZZ	1	2/18/2009	14:07
		ZZZZZZ	1	2/18/2009	14:09
		ZZZZZZ	1	2/18/2009	14:12
		ZZZZZZ	1	2/18/2009	14:15
		ZZZZZZ	1	2/18/2009	14:17
		CCV4	1	2/18/2009	14:20
		CCB4	1	2/18/2009	14:23
As,Se		0902102-2	50	2/18/2009	14:56
As,Se		0902102-3	50	2/18/2009	14:58
As,Se		0902102-4	10	2/18/2009	15:01
As,Se		0902102-5	10	2/18/2009	15:04
As,Se		0902102-6	100	2/18/2009	15:06
As,Se		0902102-7	50	2/18/2009	15:09
		CCV5	1	2/18/2009	15:11
		CCB5	1	2/18/2009	15:14
- Cadmiu,Lead,Mn,Uranu		ICSA2	1	2/18/2009	15:38
- Cadmiu,Lead,Mn,Uranu		ICSAB2	1	2/18/2009	15:41
- Cadmiu,Lead,Mn,Uranu		IP090217-1MB	10	2/18/2009	15:43
- Cadmiu,Lead,Mn,Uranu		IM090217-1LCS	10	2/18/2009	15:46
- Cadmiu,Lead,Mn,Uranu	FE-RG-11-7-397-PW-GPTF	0902111-1	10	2/18/2009	15:48
		CCV6	1	2/18/2009	15:51
		CCB6	1	2/18/2009	15:54

Data Package ID: IM0902111-1

ICPMS Run Log -- 2/18/2009

Instrument ID:	ICPMS	Start Date:	2/18/2009
File Name:	18FEB09A	End Date:	2/18/2009
AnalRunID:	IM090218-1A1		
CalibRefID:	IM090218-1A1		

[illegible]

Data Package ID: IM0902111-1

ICPMS Run Log -- 2/18/2009

Instrument ID: ICPMS
File Name: 18FEB09A
AnalRunID: IM090218-1A1
CalibRefID: IM090218-1A1
Start Date: 2/18/2009
End Date: 2/18/2009

[illegible]

Data Package ID: IM0902111-1

ICPMS Run Log -- 2/18/2009

Instrument ID:	ICPMS	Start Date:	2/18/2009
File Name:	18FEB09A	End Date:	2/18/2009
AnalRunID:	IM090218-1A1		
CalibRefID:	IM090218-1A1		

[illegible]

Data Package ID: IM0902111-1

Mercury

Method SW7470A

Method Blank

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: HG090220-1MB

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 20-Feb-09

Date Analyzed: 23-Feb-09

Prep Batch: HG090220-1

QCBatchID: HG090220-1-1

Run ID: HG090223-2A5

Cleanup: NONE

Basis: N/A

File Name: 09022301

Sample Aliquot: 20 g

Final Volume: 20 g

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7439-97-6	MERCURY	1	0.014	0.2	0.0081	B	

Data Package ID: HG0902111-1

Date Printed: Wednesday, February 25, 2009

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Mercury

Method SW7470A

Laboratory Control Sample

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: HG090220-1LCS

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 02/20/2009

Date Analyzed: 02/23/2009

Prep Method: METHOD

Prep Batch: HG090220-1

QCBatchID: HG090220-1-1

Run ID: HG090223-2A5

Cleanup: NONE

Basis: N/A

File Name: 09022301

Sample Aliquot: 20 g

Final Volume: 20 g

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7439-97-6	MERCURY	1	0.975	0.2		98	80 - 120%

Data Package ID: HG0902111-1

Date Printed: Wednesday, February 25, 2009

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Prep Batch ID: HG090220-1

Start Date: 02/20/09

End Date: 02/20/09

Concentration Method: NONE

Batch Created By: SKL

Start Time: 8:33

End Time: 8:34

Extract Method: METHOD

Date Created: 02/20/09

Prep Analyst: Sheri Lafferty

Initial Volume Units: g

Time Created: 8:34

Comments:

Final Volume Units: g

Validated By: EXK

Date Validated: 02/24/09

Time Validated: 10:56

QC Batch ID: HG090220-1-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
HG090220-1	MB	XXXXXX	WATER	XXXXXX	20	20	NONE	1	0902143
HG090220-1	LCS	XXXXXX	WATER	XXXXXX	20	20	NONE	1	0902143
HG090220-1	LCSD	XXXXXX	WATER	XXXXXX	20	20	NONE	1	0902143
0902143-3	MS	XXXXXX	WATER	XXXXXX	20	20	NONE	1	0902143
0902143-3	MSD	XXXXXX	WATER	XXXXXX	20	20	NONE	1	0902143
0902143-3	DUP	XXXXXX	WATER	XXXXXX	20	20	NONE	1	0902143
0901256-5	SMP	XXXXXX	WATER	XXXXXX	20	20	NONE	1	0901256
0901256-6	SMP	XXXXXX	WATER	XXXXXX	20	20	NONE	1	0901256
0901256-7	SMP	XXXXXX	WATER	XXXXXX	20	20	NONE	1	0901256
0901256-8	SMP	XXXXXX	WATER	XXXXXX	20	20	NONE	1	0901256
0901256-9	SMP	XXXXXX	WATER	XXXXXX	20	20	NONE	1	0901256
0902111-1	SMP	FE-RG-11-7-397-PW-	WATER	2/12/2009	20	20	NONE	1	0902111
0902143-3	SMP	XXXXXX	WATER	XXXXXX	20	20	NONE	1	0902143

QC Types

CAR	Carrier reference sample	DUP	Laboratory Duplicate
LCS	Laboratory Control Sample	LCSD	Laboratory Control Sample Duplicat
MB	Method Blank	MS	Laboratory Matrix Spike
MSD	Laboratory Matrix Spike Duplicate	REP	Sample replicate
SMP	Field Sample	SYS	Sample Yield Spike

MERCURY

Method SW7470

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Run ID: HG090223-2A5

Result Units: MG/L

Lab ID	Verification Type	Date Analyzed	Time Analyzed	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
ICV	Initial Calibration	2/23/2009	14:03	0.001	0.00106	0.0002	N/A	106	90 - 110
CCV1	Continuing Calibration	2/23/2009	14:52	0.002	0.00186	0.0002	N/A	93	80 - 120

Data Package ID: *HG0902111-1*

Date Printed: Wednesday, February 25, 2009

ALS Paragon

LIMS Version: 6.247A

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MERCURY
Method SW7470
Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Run ID: HG090223-2A5

Result Units: MG/L

Lab ID	Verification Type	Date Analyzed	Time Analyzed	Result	Reporting Limit	Flag
ICB	Initial Calibration	2/23/2009	14:05	0.0002	0.0002	U
CCB1	Continuing Calibration	2/23/2009	14:54	0.0000217	0.0002	B

Data Package ID: *HG0902111-1*

Date Printed: Wednesday, February 25, 2009

ALS Paragon
LIMS Version: 6.247A

Page 1 of 1

Metals Linear Ranges

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Instrument ID: CETAC

Active Date: 01/26/2009

Expiration Date: 04/25/2009

CASNO	Target Analyte	Concentration (ppm)
7439-97-6	MERCURY	0.005

Mercury Run Log -- 2/23/2009

Instrument ID: CETAC
 File Name: 09022301
 AnalRunID: HG090223-2A1
 CalibRefID: HG090223-2A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		STD0	1	2/23/2009	13:52
		STD1	1	2/23/2009	13:54
		STD2	1	2/23/2009	13:55
		STD3	1	2/23/2009	13:57
		STD4	1	2/23/2009	13:58
		STD5	1	2/23/2009	14:00
		IPC	1	2/23/2009	14:02
		ICV	1	2/23/2009	14:03
		ICB	1	2/23/2009	14:05
		CRA1	1	2/23/2009	14:06
		HG090220-1MB	1	2/23/2009	14:08
		HG090220-1LCS	1	2/23/2009	14:09
		HG090220-1LCSD	1	2/23/2009	14:11
		0902143-3	1	2/23/2009	14:13
		0902143-3	100	2/23/2009	14:34
		0902143-3	500	2/23/2009	14:49
	FE-RG-11-7-397-PW-GPTF	0902111-1	1	2/23/2009	14:50
		CCV1	1	2/23/2009	14:52
		CCB1	1	2/23/2009	14:54
		0902129-1	1	2/23/2009	14:55
		0902129-2	1	2/23/2009	14:57
		0902129-3	1	2/23/2009	14:58
		0901256-5	1	2/23/2009	15:00
		0901256-6	1	2/23/2009	15:01
		0901256-7	1	2/23/2009	15:03
		0901256-8	1	2/23/2009	15:05
		0901256-9	1	2/23/2009	15:06
		CCV2	1	2/23/2009	15:12
		CCB2	1	2/23/2009	15:13
		0902143-3	1000	2/23/2009	15:15
		0902143-3DUP	1000	2/23/2009	15:17
		0902143-3L	5000	2/23/2009	15:18
		0902143-3MS	1000	2/23/2009	15:20
		0902143-3MSD	1000	2/23/2009	15:21
		CRA2	1	2/23/2009	15:23

Data Package ID: HG0902111-1

Mercury Run Log -- 2/23/2009

Instrument ID: CETAC
File Name: 09022301
AnalRunID: HG090223-2A1
CalibRefID: HG090223-2A1

Comment	Field ID	Lab ID	DF	Date Analyzed	Time Analyzed
		CCV3	1	2/23/2009	15:24
		CCB3	1	2/23/2009	15:26
		0902143-3DUP	1000	2/23/2009	15:40
		CRA3	1	2/23/2009	15:41
		CCV4	1	2/23/2009	15:43
		CCB4	1	2/23/2009	15:45

Data Package ID: HG0902111-1

Raw Data

HEADER INFORMATION FOR ANALYTICAL SEQUENCE 090218A
STANDARD SOLUTION CODES

Stock A (ST090107-2) Exp. 3-31-10		
<u>Element</u>	<u>ug/ml</u>	
Al, Ca, Mg	1000	
Na, K	500	
Fe	400	
Li	10	
<u>Standard</u>	<u>Dilution</u>	<u>Procedure</u>
A1	1/2 of Stock A	5ml of Stock A to 10ml final volume.
A2	1/10 of A1	1ml of Standard A1 up to a 10ml final volume.
A3	1/10 of A2	1ml of Standard A2 up to a 10ml final volume.

Stock B (ST090107-3) Exp. 12-31-09		
<u>Element</u>	<u>ug/ml</u>	
P, Si	100	
B, Ba, Cr, Cu, Mn, Mo, Ni, Pb, Sn, Sr, Ti, Zn	20	
As, Cd, Co, Se, Tl, V	10	
Ag, Sb	4	
Be	2	

Stock Ag- 1000 ug/ml (ST090107-6) Exp. 4-06-10
Stock Th – 1000 ug/ml (ST090107-7) Exp. 4-06-10

The following dilutions of Stock Ag and Stock Th are made to provide the daily calibration Standards.

<u>Standard</u>	<u>Dilution</u>	<u>Procedure</u>
B1	1/2 of Stock B	5ml of Stock B and 0.02ml of Stock Ag and Stock Th up to a 10ml final volume.
B2	1/500 Ag and 1/500 Th	
B3	1/10 of B1	1.0ml of Standard B1 up to a 10ml final volume.
	1/10 of B2	1.0ml of Standard B2 up to a 10ml final volume.

Stock C (ST090107-4) Exp. 6-06-10		
<u>Element</u>	<u>ug/ml</u>	
S, U	100	
Bi, Zr	10	
<u>Standard</u>	<u>Dilution</u>	<u>Procedure</u>
C1	1/2 of Stock C	5ml of Stock C up to a 10ml final volume.
C2	1/10 of C1	1.0ml of Standard C1 up to a 10ml final volume.
C3	1/10 of C2	1.0ml of Standard C2 up to a 10ml final volume.

RL STD (Reporting Limit Standard) Intermediate.
(ST090107-5) Exp. 12-31-2009

<u>Element</u>	<u>ug/ml</u>
K, Na	500
Ca, Mg	200
Al, U	100
B, Fe, P, S, Si	50
Li, Mo, Sn, Sr, Ti	10
Sb	8
Ni, As, Bi, Se, Th, Tl, Zn, Zr	5
Pb	3
Ag, Ba, Co, Cr, Cu, Mn, V	2
Be, Cd	1
RL STD (working standard) made daily by diluting the intermediate above 1000 fold. This working standard had concentration levels at the normal Paragon reporting limits for all elements except Ca, Mg and Na, K which are at 0.2ppm and 0.5ppm, this is below the normal Paragon reporting limit.	

Double D.I. water, 3% HNO₃ and 5% HCl
Used for Std. Blank, ICB and CCB

CCV (ST081229-4) Exp. 1-10-10	
<u>Element</u>	<u>ug/ml</u>
Al, Ca, Mg, K, Na	50
Fe	20
U, P, S, Si	5
B, Ba, Cr, Cu, Mn, Mo, Ni, Pb, Se, Sn, Zn, Zr	1
As, Be, Bi, Cd, Co, Li, Sb, Sr, Ti, Tl, V	0.5
Ag, Th	0.2

ICV (ST081229-4) Exp. 1-10-10	
Prepared daily by diluting the CCV (described above) ½.	
The 1/2 dilution is made by diluting 5ml of the CCV to a 10ml final volume.	
The resulting concentrations are:	
<u>Element</u>	<u>ug/ml</u>
Al, Ca, Mg, K, Na	25
Fe	10
U, P, S, Si	2.5
B, Ba, Cr, Cu, Mn, Mo, Ni, Pb, Se, Sn, Zn, Zr	0.5
As, Be, Bi, Cd, Co, Li, Sb, Sr, Ti, Tl, V	0.25
Ag, Th	0.1

CRI (ST080813-6) Exp. 1-10-10	
Made By diluting	
1.0ml of CRI Stock (ST080813-2) Exp. 1-10-10	
to a 100ml final volume.	
<u>Element</u>	<u>ug/ml</u>
Ca, Mg, K, Na	5.0
Al, Ba	0.4
B, Fe, U, P, S, V	0.2
Sb	0.12
Co, Si, Sn	0.1
Ni	0.08
Cu, Bi, Zr	0.05
Zn	0.04
Mn	0.03
Ag, Cr, Li, Mo, Sr, Ti, Tl	0.02
Be, Cd, As, Se, Th, Pb	0.01

ICSA (ST090106-6) Exp. 9-13-09	
<u>Element</u>	<u>ug/ml</u>
Ca, Mg, Al	250
Fe	100

ICSAB (ST080813-4) Exp. 1-23-09	
<u>Element</u>	<u>ug/ml</u>
Ca, Mg, Al	250
Fe	100
U	10
B, Si, Li, Mo, Sn, Sr, Ti, Cd, Zn, Ni, Ag, P, S	1.0
Sb	0.6
Ba, Be, Co, V, Cr, Cu, Mn, Bi, Zr	0.5
Ag	0.2
As, Tl	0.1
Se, Pb, Th	0.05

1.0ml to 5.0ml --- M-55
0.1ml to 1.0ml --- M-61
0.01ml to 0.1ml --- M-57

Acid Lot Numbers

HCl – G36024
HNO₃ – G17027

Inter Element Correction Information

The following table summarizes spectral interferences that have been identified and for which IEC's are used. If a sample contains a concentration of an interfering element that exceeds the upper analytical range, and an affected element is being determined, it is necessary to dilute the sample to bring the interfering element into analytical range.

<u>Interfering Element (ug/ml)</u>	<u>Affected Element</u>
Al (500)	Se, Pb
Mg (500)	Th
Fe (200)	Se, Tl, V, Pb, U
Si (50)	Zr
U (50)	Al, Cr, Cu, Bi, Pb, Mg, Se, Ag, Tl, Si
Ba (10)	Co
Cr (10)	Sb
Cu (10)	Bi
Mn (10)	Tl
Mo (10)	Al, Si, Pb,, Sb
Ti (10)	Co, Bi, Si, Sn, Tl, Pb, Zr
As (5)	Cd
V (5)	Al, Be, Tl
Zr (5)	Ag

The following table lists element concentrations (ug/ml) that no significant spectral interferences have been observed.

<u>Element</u>	<u>Concentration</u>	<u>Element</u>	<u>Concentration</u>	<u>Element</u>	<u>Concentration</u>
K	500	Se	10	Li	5
Na	500	Pb	10	Cd	5
Ca	500	Zn	10	Co	5
P	50	Sr	10	Ag	2
S	50	Sn	10	Sb	2
Ni	10	Bi	5	Be	1
B	10	Tl	5		

2X – Dilution made by diluting 2.5ml of sample up to a 5ml final volume.
3X - Dilution made by diluting 2.0ml of sample up to a 6ml final volume.
4X - Dilution made by diluting 2.0ml of sample up to a 8ml final volume.
5X - Dilution made by diluting 1.0ml of sample to a 5ml final volume.
10X - Dilution made by diluting 0.5ml of sample to a 5ml final volume.
20X – Dilution made by diluting 0.25ml of sample to a 5ml final volume.
25X – Dilution made by diluting 0.2ml of sample to a 5ml final volume.
50X – Dilution made by diluting 0.1ml of sample to a 5ml final volume.
100X – Dilution made by diluting 0.05ml of sample to a 5ml final volume.
500X – Dilution made by diluting 0.02ml of sample to a 10ml final volume.
1000X – Dilution made by diluting a 10X dilution 100X.

Analytical Spikes

Comments

1. Please see run log and work orders for elements of interest.

Daily Maintenance

1. Check/ Change Peristaltic pump tubing.
2. Check the torch for deposits, clean if necessary.
3. Check/ Empty drain water.

Daily Maintenance done by _____ RF _____.

Monthly Maintenance

1. Check/Clean nebulizer and spray chamber.
2. Clean air filters
3. Check/Clean entrance slit.
4. Fill water recirculating reservoir.

Monthly maintenance done by: RF 2-3-09.

Major problems / adjustments / repairs recorded in the ICP Maintenance Log (3716).

ICPTrace2 Run Log -- 2/18/2009

Instrument ID: ICPTrace2

File Name: 090218A.

AnalRunID: IT090218-2A1

CalibRefID: IT090218-2A1

Comment	Inst Sample Name	Lab ID	DF	Date Analyzed	Time Analyzed
	MIXBHIGH	MIXBHIGH	1	2/18/2009	11:01
	MIXAHIGH	MIXAHIGH	1	2/18/2009	11:03
	MIXCHIGH	MIXCHIGH	1	2/18/2009	11:05
	ICV	ICV	1	2/18/2009	11:13
	ICB	ICB	1	2/18/2009	11:15
	CRI	CRI1	1	2/18/2009	11:17
	ICSA	ICSA1	1	2/18/2009	11:19
	ICSAB	ICSAB1	1	2/18/2009	11:22
	CCV	CCV1	1	2/18/2009	11:24
	CCB	CCB1	1	2/18/2009	11:26
	IP090217-1MB	IP090217-1MB	1	2/18/2009	11:28
	IP090217-1LCS	IP090217-1LCS	1	2/18/2009	11:30
- Al,Mo,Na,Pb,Sb,Si	0902094-3 10X	0902094-3	10	2/18/2009	11:32
	0902094-5	0902094-5	1	2/18/2009	11:34
- S	0902102-1	0902102-1	1	2/18/2009	11:36
- S	0902102-1D	0902102-1DUP	1	2/18/2009	11:38
- S	0902102-1L 5X	0902102-1SER	5	2/18/2009	11:40
- S	0902102-1MS	0902102-1MS	1	2/18/2009	11:41
- S	0902102-1MSD	0902102-1MSD	1	2/18/2009	11:43
- S	0902102-2	0902102-2	1	2/18/2009	11:45
	CCV	CCV2	1	2/18/2009	11:47
	CCB	CCB2	1	2/18/2009	11:49
- S	0902102-3	0902102-3	1	2/18/2009	11:52
- S	0902102-4	0902102-4	1	2/18/2009	11:53
- S	0902102-5	0902102-5	1	2/18/2009	11:55
- S	0902102-6	0902102-6	1	2/18/2009	11:57
- S	0902102-7	0902102-7	1	2/18/2009	11:59
- Na	0902111-1 10X	0902111-1	10	2/18/2009	12:01
	EX090216-6MB	EX090216-6MB	1	2/18/2009	12:03
	EX090216-6LCS	EX090216-6LCS	1	2/18/2009	12:05
	EX090216-6LCSD	EX090216-6LCSD	1	2/18/2009	12:07
- Na	0901256-5	0901256-5	1	2/18/2009	12:08
	CCV	CCV3	1	2/18/2009	12:10
	CCB	CCB3	1	2/18/2009	12:13
- Na	0901256-6	0901256-6	1	2/18/2009	12:15

Data Package ID:

ICPTrace2 Run Log -- 2/18/2009

Instrument ID: ICPTrace2

File Name: 090218A.

AnalRunID: IT090218-2A1

CalibRefID: IT090218-2A1

Comment	Inst Sample Name	Lab ID	DF	Date Analyzed	Time Analyzed
	0901256-7	0901256-7	1	2/18/2009	12:17
- Na,S	0901256-8	0901256-8	1	2/18/2009	12:19
- Na	0901256-9	0901256-9	1	2/18/2009	12:20
	0901256-10	0901256-10	1	2/18/2009	12:22
	0901256-11	0901256-11	1	2/18/2009	12:24
- Pb	0902121-4	0902121-4	1	2/18/2009	12:26
- Pb	0902121-4D	0902121-4DUP	1	2/18/2009	12:28
- Pb	0902121-4L 5X	0902121-4SER	5	2/18/2009	12:30
- Pb	0902121-4MS	0902121-4MS	1	2/18/2009	12:32
	CCV	CCV4	1	2/18/2009	12:34
	CCB	CCB4	1	2/18/2009	12:36
	0902121-4MSD	0902121-4MSD	1	2/18/2009	12:38
- Pb	0902121-5	0902121-5	1	2/18/2009	12:40
- Pb	0902121-6	0902121-6	1	2/18/2009	12:42
	CCV	CCV5	1	2/18/2009	12:48
	CCB	CCB5	1	2/18/2009	12:50
	0902123-2	0902123-2	1	2/18/2009	12:53
+ Na	0902111-1 100X	0902111-1	100	2/18/2009	12:55
+ Pb	0902121-4 5X	0902121-4	5	2/18/2009	12:57
+ Pb	0902121-4D 5X	0902121-4DUP	5	2/18/2009	12:59
+ Pb	0902121-4L 25X	0902121-4SER	25	2/18/2009	13:01
+ Pb	0902121-4MS 5X	0902121-4MS	5	2/18/2009	13:02
+ Pb	0902121-4MSD 5X	0902121-4MSD	5	2/18/2009	13:04
+ Pb	0902121-5 100X	0902121-5	100	2/18/2009	13:06
+ Pb	0902121-6 100X	0902121-6	100	2/18/2009	13:08
	CCV	CCV6	1	2/18/2009	13:10
	CCB	CCB6	1	2/18/2009	13:12
	CRI	CRI2	1	2/18/2009	13:15
	ICSA	ICSA2	1	2/18/2009	13:17
	ICSAB	ICSAB2	1	2/18/2009	13:19
	ZZZ	ZZZ	1	2/18/2009	13:21
	CCV	CCV7	1	2/18/2009	13:24
	CCB	CCB7	1	2/18/2009	13:27

Data Package ID:

Sample Id1	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
MIXBHGH	H2.02202	-0.02276	H5.09411	H10.13474	H10.07066	H1.01746	-0.00564	-0.02830	H5.04171	H5.10247	H10.20995	H10.06013
MIXAHGH	-0.00006	H506.44213	0.00164	0.00670	0.00085	0.00101	0.01203	H516.49426	0.00011	0.00387	0.00172	-0.00178
MIXCHGH	0.00970	-0.12440	-0.00689	0.01493	-0.00036	0.00473	H5.00932	0.11596	-0.00117	0.00385	-0.00964	0.00056
ICV	0.10811	25.88638	0.24664	0.50651	0.48825	0.24970	0.26076	25.75631	0.25288	0.24498	0.48635	0.48187
ICB	0.00054	0.00965	0.00067	0.00275	0.00028	-0.00010	0.00232	-0.02482	-0.00001	0.00013	-0.00004	-0.00005
CRI	0.01895	0.55572	0.00819	0.42524	0.40721	0.01083	0.05112	5.78533	0.01023	0.10469	0.02081	0.05238
ICSA	0.00020	260.10026	-0.00128	-0.00035	0.00033	0.00050	0.00666	265.81061	-0.00004	0.00200	-0.00064	-0.00337
ICSAB	0.19444	266.96136	0.09897	1.01493	0.49070	0.48277	0.53714	276.20321	0.99656	0.47732	0.44938	0.50069
CCV	0.21761	52.90447	0.50295	1.03105	0.98172	0.50373	0.52940	52.80180	0.51317	0.49217	0.97161	0.97967
CCB	-0.00025	0.01690	-0.00110	0.00176	0.00028	-0.00004	0.00199	-0.02212	-0.00007	-0.00020	-0.00041	-0.00023
IP090217-1MB	-0.00016	0.01591	-0.00034	0.00192	0.00027	0.00000	-0.00041	-0.01295	-0.00013	-0.00001	-0.00022	-0.00017
IP090217-1LCS	0.00033	2.23770	2.08845	1.06134	2.00599	0.05264	0.00354	42.79315	0.05726	0.51511	0.20355	0.25046
0902094-3 10X	0.00329	0.35225	0.04469	0.00281	0.00406	0.00004	0.00023	0.99360	0.00093	0.00124	-0.00637	0.02666
0902094-5	-0.00001	0.08917	-0.00036	0.01095	0.02314	-0.00003	0.00148	10.93114	0.00607	0.00020	0.01945	0.03167
0902102-1	-0.00008	0.02219	0.01011	0.09418	0.04074	0.00010	0.00221	344.98455	-0.00013	0.00013	-0.00009	0.00100
0902102-1D	-0.00021	0.02329	0.01039	0.09416	0.04104	0.00007	0.00009	340.33849	-0.00017	-0.00025	0.00155	0.00087
0902102-1L 5X	0.00077	0.01633	0.00182	0.01954	0.00872	0.00005	0.00386	65.61778	-0.00009	0.00009	-0.00029	0.00036
0902102-1MS	0.00028	2.21412	2.04979	1.13971	1.97003	0.04920	0.00172	392.43846	0.05501	0.48229	0.18885	0.24820
0902102-1MSD	0.00060	2.19539	2.02892	1.12525	1.95702	0.04843	0.00411	384.06283	0.05462	0.47606	0.18642	0.24727
0902102-2	0.00023	0.02822	0.00357	0.09406	0.03409	0.00015	0.00599	332.99256	-0.00009	0.00018	-0.00034	0.00021
CCV	0.21498	52.09837	0.49008	1.00761	0.96465	0.49137	0.51672	51.55098	0.50544	0.48204	0.95223	0.96397
CCB	-0.00037	0.02193	-0.00066	0.00176	0.00024	0.00001	0.00074	-0.02027	-0.00023	-0.00003	-0.00042	-0.00058
0902102-3	-0.00019	0.03526	0.00164	0.09271	0.03046	0.00012	0.00297	323.03048	0.00047	-0.00004	-0.00040	-0.00073
0902102-4	0.00004	0.04254	-0.00026	0.06506	0.04858	0.00015	0.00347	336.39738	-0.00022	0.00009	0.00006	0.00055
0902102-5	0.00013	0.03747	0.00060	0.06550	0.04830	0.00016	0.00255	338.85308	-0.00009	0.00004	-0.00027	0.00039
0902102-6	-0.00036	0.06241	0.01003	0.09776	0.04096	0.00015	-0.00037	348.02392	-0.00030	-0.00040	-0.00019	0.00088
0902102-7	-0.00006	0.02962	0.00076	0.09551	0.03312	0.00018	0.00220	336.82783	-0.00025	-0.00034	-0.00042	-0.00010
0902111-1 10X	0.00056	0.03492	0.00000	1.36316	6.47861	0.00011	0.00448	17.88132	-0.00014	0.00012	-0.00002	0.00034
EX090216-6MB	-0.00016	0.03101	-0.00133	0.00359	0.00451	-0.00005	0.00007	0.00099	-0.00016	-0.00066	-0.00034	-0.00045
EX090216-6LCS	0.09440	2.13697	1.96946	0.97999	1.95177	0.04877	0.00087	0.00326	0.05441	0.50527	0.19828	0.24825
EX090216-6LCSD	0.09459	2.13843	1.96968	0.98370	1.96043	0.04872	-0.00217	-0.00257	0.05474	0.50587	0.19793	0.24938
0901256-5	-0.00197	0.09835	-0.00328	0.08149	0.06627	0.00002	-0.01010	14.61975	-0.00057	-0.00122	-0.00099	-0.00089
CCV	0.21651	52.10886	0.49008	1.00632	0.96028	0.49039	0.52075	51.70828	0.50833	0.48316	0.95344	0.96457
CCB	-0.00051	0.02845	-0.00133	0.00142	0.00027	0.00002	-0.00037	-0.02255	-0.00003	-0.00034	-0.00067	-0.00086
0901256-6	0.00056	0.05848	0.00079	0.16043	0.07555	0.00005	0.00398	20.33113	0.00020	0.00078	0.00207	0.00213
0901256-7	0.00039	0.05094	0.00954	0.13041	0.04366	0.00006	0.00283	31.109579	0.00001	0.00032	0.00150	0.00142
0901256-8	0.00025	1.11179	0.00362	0.10464	0.03446	0.05883	0.01932	37.13956	0.00088	0.00163	0.00080	0.00133
0901256-9	0.00015	0.15256	0.00060	0.06146	0.02294	0.00994	0.00505	13.53244	0.00036	0.00176	0.00001	0.03830
0901256-10	0.00019	0.04212	-0.00072	0.00655	0.03219	0.00009	-0.00018	48.38195	0.00021	0.00032	0.00032	0.00079
0901256-11	-0.00039	0.04399	-0.00173	0.03149	0.05281	0.00003	-0.00170	40.114784	-0.00015	-0.00017	-0.00034	-0.00032
0902121-4	-0.00037	0.06607	-0.00241	0.02593	0.02303	0.00002	0.00024	0.04613	0.00007	-0.00022	-0.00050	-0.00026
0902121-4D	-0.00031	0.06517	-0.00160	0.02785	0.02303	0.00007	0.00065	0.04450	0.00000	-0.00022	-0.00020	0.00002
0902121-4L 5X	-0.00060	0.03751	-0.00141	0.00496	0.00482	0.00003	-0.00055	-0.00534	-0.00022	-0.00071	-0.00068	-0.00090
0902121-4MS	0.09511	2.19521	1.98673	1.01320	1.97878	0.04908	-0.00014	0.04961	0.05514	0.51104	0.20007	0.25107
CCV	0.22263	53.20638	0.50867	1.03409	0.97857	0.50734	0.53482	53.94399	0.52473	0.49995	0.98674	0.98665
CCB	-0.00016	0.03654	-0.00087	0.00171	0.00027	-0.00002	-0.00013	-0.02383	-0.00009	-0.00028	-0.00053	-0.00080
0902121-4MSD	0.09468	2.19333	1.98396	1.01577	1.98994	0.04882	-0.00055	0.04528	0.05491	0.50764	0.19847	0.25213
0902121-5	0.00126	0.04591	0.00095	0.34615	0.02940	0.00001	0.00324	1.21808	-0.00002	-0.00017	0.00007	-0.00065
0902121-6	0.00035	0.05150	0.02105	0.00801	0.00542	0.00008	-0.00239	6.19926	0.00070	-0.00036	-0.00042	-0.00035
CCV	0.21688	52.17528	0.49088	1.00448	0.96526	0.48464	0.52388	51.46354	0.50691	0.47994	0.94308	0.97410

Sample Id1	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
CCB	0.00003	0.04211	-0.00007	0.00121	0.00030	-0.00003	0.00282	-0.02347	0.00007	0.00015	-0.00010	-0.00078
0901123-2	0.00036	0.05936	-0.00154	0.01230	0.14172	0.00010	0.00001	26.87742	0.00475	0.02527	0.00004	0.00249
0902111-1 100X	0.00047	0.03788	0.00051	0.13199	0.67320	-0.00003	-0.00045	1.76015	0.00002	0.00026	-0.00032	-0.00084
0902121-4 5X	-0.00016	0.04552	-0.00042	0.00552	0.00492	0.00007	0.00231	-0.00620	-0.00016	-0.00029	-0.00057	-0.00064
0902121-4D 5X	0.00041	0.04531	0.00010	0.00512	0.00486	0.00004	0.00033	-0.00954	-0.00001	-0.00005	-0.00026	-0.00052
0902121-4L 25X	0.00009	0.04366	-0.00107	0.00035	0.00113	-0.00001	-0.00203	-0.02091	-0.00012	-0.00028	-0.00050	-0.00096
0902121-4MS 5X	0.01929	0.46696	0.40731	0.20756	0.40314	0.01031	-0.00104	-0.00804	0.01135	0.10448	0.04028	0.04991
0902121-4MSD 5X	0.01950	0.46496	0.39334	0.20173	0.39751	0.00977	0.00099	-0.01025	0.01061	0.10032	0.03907	0.04948
0902121-5 100X	-0.00008	0.04376	-0.00104	0.00285	0.00052	0.00003	0.00176	-0.01188	-0.00007	-0.00040	-0.00050	-0.00118
0902121-6 100X	0.00005	0.04434	-0.00081	-0.00100	0.00029	-0.00001	0.00102	0.03518	-0.00014	-0.00023	-0.00041	-0.00119
CCV	0.21801	51.98054	0.49166	1.00501	0.95823	0.48998	0.52351	52.37899	0.51137	0.48458	0.95370	0.97190
CCB	-0.00007	0.04414	-0.00026	0.00033	0.00022	0.00008	0.00033	-0.02311	-0.00015	-0.00024	-0.00052	-0.00112
CRI	0.01816	0.57051	0.00560	0.40949	0.39748	0.01032	0.04719	5.59768	0.00972	0.10018	0.01899	0.05037
ICSA	0.00009	265.74931	0.00025	-0.00123	0.00037	0.00070	0.00679	288.23136	-0.00014	0.00177	-0.00080	-0.00442
ICSAB	0.19987	267.82811	0.09769	1.02462	0.48992	0.48830	0.54843	290.12487	1.02980	0.48756	0.45669	0.50756
ZZZ	0.22325	52.97146	0.51200	1.03728	0.98137	0.50328	0.53936	54.02528	0.52587	0.49878	0.97936	0.99634
CCV	0.22051	52.65255	0.51002	1.03232	0.97662	0.50026	0.54086	53.77495	0.52441	0.49686	0.97370	0.99091
CCB	-0.00017	0.05813	-0.00113	0.00131	0.00030	0.00007	0.00000	-0.02063	-0.00005	-0.00027	-0.00040	-0.00125

Sample Id1	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Pb I
MIXBHGH	-0.00965	0.28266	0.00558	-0.03749	H10.20340	H10.18146	0.25958	H10.18421	H50.74619	10.19612	H10.23756
MIXAHIGH	H204.47216	249.49159	H5.00857	H512.02226	0.00375	0.00317	249.56853	0.00301	0.02358	0.00169	-0.00150
MIXCHIGH	0.02042	0.29671	0.00607	-0.61484	0.00505	0.00003	0.28782	0.00105	0.01982	0.00084	L-0.00627
ICV	10.17044	24.27185	0.24087	25.84977	0.48394	0.49450	24.04710	0.49670	2.50898	0.49665	0.49785
ICB	-0.00254	0.25598	0.00519	-0.01774	0.00003	0.00039	0.22237	0.00048	0.00158	-0.00096	0.00322
CRI	0.21557	4.37735	0.02103	5.46378	0.03146	0.02071	4.42159	0.08684	0.21352	0.00619	0.00215
ICSA	106.35511	0.17852	0.00534	264.35800	0.00139	-0.00076	0.22955	0.00153	0.01162	0.00030	-0.00102
ICSAB	110.42912	0.20624	1.06175	273.66809	0.46275	0.97769	0.23326	0.93762	1.03055	0.04686	0.05159
CCV	20.92907	50.69845	0.51789	52.88250	0.96726	1.00321	50.69408	1.00304	5.14407	1.00192	1.00395
CCB	-0.00156	0.24715	0.00519	-0.01654	0.00005	0.00036	0.22317	-0.00020	0.00302	-0.00089	-0.00044
IP090217-1MB	0.00017	0.30231	0.00527	-0.02015	0.00007	-0.00069	0.22916	-0.00006	0.00978	-0.00036	-0.00013
IP090217-1LCS	1.04108	39.15251	0.50742	42.75468	0.50245	1.04989	39.84964	0.52666	0.01074	0.51997	0.52321
0902094-3 10X	-0.03001	3.79930	0.00769	0.08137	-0.00065	H49.02405	H604.32656	0.00123	0.11317	0.01555	0.00568
0902094-5	0.05544	0.78399	0.00831	2.05677	0.00234	0.04228	6.67876	0.00257	0.20837	0.00186	0.00319
0902102-1	0.00688	11.19511	0.05478	65.48567	0.00356	0.04067	124.47927	0.00362	0.02982	-0.00166	0.00058
0902102-1D	0.08514	11.21711	0.05493	65.09453	0.00301	0.03685	123.78072	0.00061	0.02650	-0.00055	-0.00026
0902102-1L 5X	-0.00156	1.93705	0.01334	13.52631	0.00079	0.00809	22.11131	0.00061	0.00721	-0.00158	0.00052
0902102-1MS	0.97881	58.03583	0.62936	107.84054	0.47380	1.03969	164.94406	0.48787	0.03144	0.49037	0.49298
0902102-1MSD	0.96469	57.65510	0.62506	106.20166	0.46757	1.02719	162.82084	0.48245	0.02982	0.48085	0.48808
0902102-2	17.52428	11.00488	0.05398	64.83002	0.12376	0.02023	121.42468	0.00031	0.01664	-0.00068	0.00068
CCV	20.43415	50.10388	0.51071	51.74647	0.94552	0.98306	49.56159	0.98311	5.05229	0.97702	0.97831
CCB	-0.00206	0.29823	0.00531	-0.01846	0.00007	-0.00001	0.24056	-0.00063	0.00154	-0.00073	-0.00032
0902102-3	23.71806	10.96782	0.05369	64.15938	0.15548	0.01618	122.55627	0.00040	0.01284	-0.00171	-0.00025
0902102-4	0.33070	4.18962	0.04250	54.19384	0.04267	0.00245	69.52970	0.00068	0.01428	-0.00118	0.00088
0902102-5	0.24558	4.21545	0.04258	54.51369	0.03777	0.00172	70.78050	0.00072	0.01424	-0.00154	-0.00067
0902102-6	0.04097	11.03119	0.05391	65.89788	0.00993	0.03511	123.27886	0.00058	0.02772	-0.00069	-0.00295
0902102-7	18.46006	11.02533	0.05396	65.48717	0.12441	0.02053	122.35197	0.00029	0.01096	-0.00098	-0.00183
0902111-1 10X	1.19741	39.43251	0.74433	2.07269	0.02492	0.00080	H471.43311	-0.00022	L-1.02505	-0.00114	0.00307
EX090216-6MB	0.00104	0.24317	0.00521	-0.01822	0.00024	-0.00067	111.48957	0.00000	-0.04638	-0.00137	-0.00247
EX090216-6LCS	1.01261	0.29709	0.00533	-0.01690	0.48721	1.01873	113.22093	0.52299	-0.00056	0.49974	0.50172
EX090216-6LCSd	1.01288	0.29206	0.00532	-0.01967	0.48419	1.02319	113.88215	0.52176	0.00232	0.50234	0.50417
0901256-5	0.37891	57.80959	0.07359	9.22651	0.08214	0.01006	H326.64895	0.00122	-0.04730	0.00134	L-0.01049
CCV	20.42191	50.08800	0.51008	51.77088	0.94443	0.98491	49.29206	0.98377	5.02390	0.97571	0.98311
CCB	-0.00177	0.30488	0.00533	-0.01907	0.00003	0.00004	0.25174	-0.00055	0.00049	-0.00141	-0.00252
0901256-6	0.96378	77.65178	0.10062	8.25259	0.03199	0.00287	H264.52479	0.00560	-0.01509	-0.00042	0.00308
0901256-7	0.51244	41.44882	0.05294	18.59168	0.15290	0.01041	157.42801	0.00202	0.05894	-0.00007	0.00178
0901256-8	0.28843	12.17856	0.29166	26.63738	0.51844	0.02278	H412.35818	0.00521	-0.11657	0.00630	0.00847
0901256-9	0.23709	6.42108	0.06726	12.70200	0.13427	0.00782	H438.34844	0.13496	-0.00990	0.00112	0.00075
0901256-10	0.01365	5.70895	0.00617	2.03446	0.12191	0.00036	125.08746	0.00440	0.10234	-0.00131	0.00138
0901256-11	0.00317	5.72375	0.00602	2.11730	0.09603	-0.00075	111.23465	0.00008	0.03707	-0.00044	-0.00154
0902121-4	0.03529	15.98824	0.00533	-0.01810	0.00051	-0.00097	118.58413	0.00012	0.01336	9.34920	9.41498
0902121-4D	0.03585	16.07868	0.00541	-0.01895	0.00051	-0.00084	120.19926	0.00015	0.01363	9.56668	9.64792
0902121-4L 5X	0.00370	2.59324	0.00531	-0.02328	0.00005	-0.00073	22.47303	-0.00021	0.00655	1.91303	1.91737
0902121-4MS	1.05687	15.71041	0.00546	-0.02135	0.48865	1.02944	121.11199	0.52532	0.00834	10.00635	H10.08051
CCV	21.11785	50.65739	0.51663	53.44526	0.97355	1.01663	50.20412	1.02191	5.20161	1.00344	1.01758
CCB	-0.00204	0.25741	0.00523	-0.01846	0.00003	-0.00054	0.24401	-0.00047	0.00389	-0.00071	-0.00178
0902121-4MSD	1.04781	15.55730	0.00541	-0.02051	0.48463	1.02503	119.71119	0.52408	0.01044	9.87409	9.97881
0902121-5	0.01105	2.39149	0.00838	-0.01497	0.00041	-0.00033	114.31819	0.00024	0.01397	147.22188	H154.28507
0902121-6	0.00144	0.31940	0.00559	-0.01413	0.00093	-0.00053	114.21992	0.00040	0.01384	219.98011	Hoverflow111.84647
CCV	20.23669	50.13375	0.51107	51.29896	0.93240	0.98416	49.64853	0.98474	5.00940	0.95924	0.96975

Sample Id1	Fe	K	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Pb I
CCB	-0.00195	0.23177	0.00518	-0.01533	0.00003	0.00013	0.23675	-0.00017	0.00367	-0.00047	0.00177
0901123-2	0.45356	0.86569	0.00789	1.03535	0.41546	-0.00053	114.19648	0.01606	0.01594	0.01650	0.01704
0902111-1 100X	0.11683	3.24827	0.06853	0.19627	0.00259	-0.00049	59.81158	-0.00027	-0.05877	-0.00061	0.00145
0902121-4 5X	0.00471	2.55098	0.00532	-0.02159	0.00030	-0.00071	22.38966	0.00007	0.00049	1.89972	1.92469
0902121-4D 5X	0.00436	2.51624	0.00526	-0.01858	0.00015	-0.00080	22.25372	0.00017	0.00184	1.87043	1.89719
0902121-4L 25X	-0.00225	0.58082	0.00515	-0.02184	0.00005	-0.00042	4.15460	-0.00022	0.00106	0.36199	0.36756
0902121-4MS 5X	0.21230	2.51977	0.00531	-0.02135	0.09945	0.20858	22.22969	0.10945	0.00380	2.00519	2.02516
0902121-4MSD 5X	0.20403	2.45229	0.00518	-0.02027	0.09569	0.20096	22.15425	0.10493	0.00289	1.90489	1.93683
0902121-5 100X	-0.00389	0.28836	0.00526	-0.02292	-0.00001	-0.00069	1.13233	-0.00078	0.00158	1.33689	1.35684
0902121-6 100X	-0.00411	0.25722	0.00520	-0.02099	-0.00004	-0.00067	1.10451	-0.00043	0.00106	2.27931	2.30487
CCV	20.42167	49.69009	0.50632	51.77597	0.93991	0.99057	49.74506	0.99643	5.03226	0.96804	0.98145
CCB	-0.00185	0.31978	0.00533	-0.01955	0.00001	-0.00017	0.23392	-0.00095	0.00284	-0.00084	-0.00177
CRI	0.20618	4.22689	0.02060	5.24731	0.02987	0.01949	4.31768	0.08417	0.20710	0.00604	-0.00175
ICSA	112.01885	0.26206	0.00550	277.68413	0.00108	-0.00138	0.24019	0.00066	0.01070	0.00224	0.00318
ICSAB	112.42712	0.25427	1.04760	279.27517	0.46460	1.00261	0.24166	0.97001	1.04003	0.04832	0.04580
ZZZ	20.96817	50.04088	0.51063	53.21440	0.96224	1.02377	50.03355	1.03238	5.19279	0.98898	1.01045
CCV	20.84665	49.83812	0.50829	52.87605	0.95643	1.01967	49.75422	1.03173	5.16039	0.98568	1.00357
CCB	-0.00058	0.25209	0.00521	-0.01365	0.00013	-0.00013	0.22996	-0.00070	0.00223	-0.00123	-0.00125

Sample Id1	S	Sb	Se	Se I	Se II	Si	Sn	Sr	Th	Ti	Tl	U
MIXBHGH	L-0.25537	H2.03658	5.05998	H5.06668	H5.05664	H50.81063	H10.23714	H10.05196	H2.03368	H10.13753	H5.08174	-0.04649
MIXAHGH	L-0.26169	0.00966	-0.01259	L-0.00587	L-0.01595	0.00355	0.00227	0.00442	0.00531	-0.00011	L-0.01522	0.10285
MIXCHGH	49.28381	-0.00167	-0.00042	-0.00420	0.00146	-0.03377	0.01853	0.00131	L-0.29278	0.01035	0.00110	49.88892
ICV	2.45017	0.25337	0.50897	0.50687	0.51002	2.45954	0.48944	0.24962	0.07644	0.24750	0.25645	2.49210
ICB	-0.01662	0.00011	-0.00018	0.00226	-0.00140	-0.00463	-0.00159	-0.00055	-0.00226	-0.00022	0.00118	0.01183
CRI	0.15691	0.12401	0.01042	0.00865	0.01131	0.10131	0.10255	0.02437	0.09405	0.02133	0.02023	0.19179
ICSA	-0.02811	0.00399	-0.00531	-0.00060	L-0.00767	-0.00391	-0.00017	0.00078	-0.00617	-0.00038	-0.00905	0.04937
ICSAB	0.97854	0.61108	0.04782	0.05769	0.04289	0.96242	0.98138	1.00246	0.40402	0.95131	0.09019	9.73527
CCV	5.10167	0.51735	1.04299	1.04626	1.04135	4.95594	0.99999	0.50527	0.15548	0.49388	0.52248	4.96593
CCB	-0.01548	-0.00135	0.00010	-0.00224	0.00128	-0.00301	0.00017	-0.00055	-0.00132	-0.00024	0.00102	-0.00044
IP090217-1MB	-0.02122	-0.00001	-0.00052	-0.00094	-0.00031	-0.00048	-0.00148	-0.00055	-0.00068	-0.00011	0.00148	0.00128
IP090217-1LCS	-0.00513	0.53166	2.18309	2.19403	2.17763	2.08512	0.51707	0.51504	-0.01038	0.51158	2.19188	-0.00653
0902094-3 10X	0.68234	0.09520	0.01459	0.02449	0.00965	0.18293	0.02188	0.01596	0.01413	0.00000	0.00513	0.00314
0902094-5	6.36338	-0.00080	0.00017	-0.00085	0.00067	1.66078	-0.00040	0.13737	-0.00155	0.00004	0.00167	-0.00112
0902102-1	H255.36384	-0.00034	0.04577	0.04542	0.04595	6.69685	0.00028	3.40039	-0.01839	-0.00134	0.00057	0.30791
0902102-1D	H254.80775	-0.00008	0.04462	0.04544	0.04421	6.68394	-0.00023	3.40769	-0.01585	-0.00122	0.00026	0.30893
0902102-1L 5X	H52.83688	0.00037	0.00914	0.01039	0.00852	1.38477	-0.00040	0.71112	-0.00572	-0.00033	0.00001	0.07079
0902102-1MS	H257.73767	0.51780	2.19120	2.20303	2.18529	8.69585	0.50694	3.86885	-0.01602	0.48312	2.09538	0.30940
0902102-1MSD	H253.85110	0.51396	2.17101	2.18197	2.16554	8.58926	0.49803	3.84265	-0.01637	0.47676	2.06655	0.31458
0902102-2	H252.33354	-0.00054	0.01890	0.02054	0.01808	6.15316	-0.00074	3.34329	-0.01234	-0.00110	0.00064	0.13267
CCV	4.97797	0.50569	1.01664	1.01836	1.01578	4.85091	0.98193	0.49438	0.15435	0.48308	0.51495	4.86267
CCB	-0.00973	-0.00128	0.00135	0.00143	0.00131	-0.00642	-0.00046	-0.00052	-0.00154	-0.00026	0.00047	-0.00646
0902102-3	H247.17995	0.00008	0.00860	0.01209	0.00686	5.77112	-0.00051	3.25300	-0.01219	-0.00115	0.00041	0.06432
0902102-4	H237.88775	-0.00172	0.00113	0.00091	0.00124	5.87737	-0.00011	3.09241	-0.01347	-0.00084	0.00002	0.02666
0902102-5	H239.22114	-0.00007	0.00231	0.00210	0.00241	5.89266	-0.00051	3.09950	-0.01239	-0.00081	0.00058	0.02565
0902102-6	H256.96081	-0.00177	0.04650	0.04579	0.04686	6.74845	-0.00085	3.37612	-0.01236	-0.00041	-0.00020	0.29928
0902102-7	H254.02169	-0.00140	0.01681	0.01849	0.01597	6.20380	0.00000	3.32477	-0.01042	-0.00115	-0.00179	0.11783
0902111-1 10X	0.47593	0.00000	-0.00003	0.00154	-0.00082	5.28372	0.00039	3.26200	-0.00117	0.00014	0.00153	0.00606
EX090216-6MB	-0.01318	-0.00248	0.00237	0.00136	0.00288	0.28171	-0.00034	-0.00024	0.00004	-0.00026	-0.00328	-0.00647
EX090216-6LCS	-0.01720	0.49730	1.97655	1.97646	1.97660	1.94774	0.50563	0.49881	0.00086	0.49071	2.10254	-0.00543
EX090216-6LCSd	-0.01375	0.50169	1.98289	1.98117	1.98374	1.94625	0.50511	0.50026	0.00171	0.49181	2.11562	-0.01060
0901256-5	36.24426	-0.00660	0.00218	L-0.00904	0.00778	1.27592	-0.00596	0.90530	-0.00243	0.00077	-0.00563	-0.01146
CCV	4.95254	0.50711	1.01028	1.01127	1.00978	4.83361	0.98426	0.49238	0.15378	0.48128	0.51607	4.87254
CCB	-0.01548	-0.00174	0.00086	-0.00225	0.00241	-0.00901	-0.00204	-0.00058	-0.00188	-0.00032	0.00204	-0.00754
0901256-6	10.43196	0.00066	0.00140	0.00290	0.00065	1.30798	-0.00074	1.65598	-0.00550	-0.00009	0.00127	0.01418
0901256-7	35.28945	-0.00020	0.00255	0.00313	0.00226	1.11672	-0.00006	1.13970	-0.00835	-0.00010	0.00065	0.02181
0901256-8	H93.91029	-0.00041	0.00110	0.00286	0.00022	1.25373	-0.00114	3.61945	-0.00874	0.00122	0.00035	0.09039
0901256-9	32.86176	-0.00200	0.00138	-0.00100	0.00257	0.78161	-0.00040	0.79626	-0.00552	0.00112	-0.00059	0.02372
0901256-10	11.63808	-0.00065	0.00064	-0.00068	0.00129	0.89611	0.00125	0.12884	-0.00205	-0.00050	-0.00148	0.00837
0901256-11	0.16841	-0.00224	0.00188	-0.00055	0.00309	1.04785	-0.00034	0.10944	0.00039	-0.00034	-0.00256	-0.01013
0902121-4	0.00119	-0.00270	-0.00038	-0.00255	0.00070	0.49138	0.00074	0.00016	-0.00044	-0.00025	-0.00274	-0.00778
0902121-4D	-0.00341	-0.00110	0.00147	0.00204	0.00118	0.49613	0.00079	0.00014	-0.00101	-0.00023	-0.00280	0.00233
0902121-4L 5X	-0.02065	-0.00256	0.00140	0.00017	0.00202	0.09497	-0.00057	-0.00046	-0.00115	-0.00025	-0.00016	-0.00819
0902121-4MS	-0.00168	0.50360	1.97773	1.98839	1.97240	2.36844	0.51141	0.50366	0.00024	0.49469	2.13769	-0.01084
CCV	5.08664	0.52001	1.03218	1.04894	1.02382	4.95385	1.01961	0.50778	0.15579	0.49340	0.52895	4.95916
CCB	-0.01892	-0.00128	0.00141	0.00150	0.00136	-0.00849	0.00074	-0.00058	-0.00075	-0.00023	-0.00793	-0.00539
0902121-4MSD	-0.00341	0.50412	1.98275	1.99426	1.97700	2.37534	0.51034	0.50850	-0.00010	0.49242	2.12884	-0.01041
0902121-5	0.88939	0.02234	0.00145	0.00346	0.00044	1.76813	-0.00233	0.00340	-0.00082	-0.00013	-0.00225	-0.00002
0902121-6	2.30036	-0.00166	0.00149	0.00282	0.00082	4.90021	-0.00391	0.00964	0.00052	-0.00024	-0.00392	-0.00754
CCV	4.90630	0.50588	1.00226	1.00935	0.99872	4.79320	0.98216	0.49923	0.15112	0.47720	0.51510	4.88747

Sample Id1	S	Sb	Se	Se I	Se II	Si	Sn	Sr	Th	Ti	Tl	U
CCB	-0.01835	-0.00052	0.00035	0.00097	0.00004	-0.00682	0.00068	-0.00055	0.00029	-0.00013	0.00232	0.00236
0901123-2	0.50697	-0.00009	0.00075	0.00165	0.00031	0.89850	0.00079	0.09120	0.00053	-0.00015	-0.00070	-0.00312
0902111-1 100X	0.01785	-0.00126	0.00030	0.00222	-0.00065	0.51327	-0.00017	0.33932	-0.00073	0.00007	-0.00116	0.00013
0902121-4 5X	0.22473	-0.00022	0.00088	0.00212	0.00026	0.09747	-0.00034	-0.00044	0.00054	-0.00016	-0.00007	-0.00862
0902121-4D 5X	-0.00456	-0.00150	0.00091	0.00037	0.00118	0.09735	-0.00216	-0.00042	-0.00027	-0.00013	-0.00111	0.00515
0902121-4L 25X	0.02589	-0.00055	-0.00037	0.00036	-0.00074	0.01389	0.00045	-0.00055	-0.00064	-0.00024	0.00029	-0.00625
0902121-4MS 5X	-0.02065	0.10047	0.41483	0.41757	0.41347	0.47905	0.10450	0.10134	0.00006	0.09989	0.42936	-0.00812
0902121-4MSD 5X	-0.02582	0.09950	0.39651	0.39748	0.39603	0.46904	0.10133	0.09953	-0.00158	0.09693	0.41377	0.00308
0902121-5 100X	0.20404	-0.00020	0.00068	0.00126	0.00038	0.00916	-0.00068	-0.00055	0.00056	-0.00014	0.00109	-0.00775
0902121-6 100X	0.14197	-0.00006	0.00011	0.00067	-0.00017	0.03659	-0.00063	-0.00047	0.00066	-0.00008	0.00077	0.00236
CCV	4.90977	0.50892	1.00433	1.00996	1.00151	4.79537	0.99154	0.49469	0.15000	0.47830	0.51599	4.86997
CCB	-0.01605	-0.00218	0.00015	-0.00014	0.00029	-0.00993	-0.00119	-0.00057	0.00134	-0.00008	0.00024	-0.01012
CRI	0.14312	0.11746	0.00948	0.00143	0.01350	0.08670	0.09830	0.02373	0.08799	0.02017	0.01562	0.17631
ICSA	-0.02352	0.00345	-0.00566	L-0.00689	L-0.00505	-0.00984	0.00130	0.00082	-0.00442	-0.00044	-0.00710	0.03777
ICSAB	0.98027	0.61463	0.04657	0.04516	0.04728	0.94696	1.00873	1.00725	0.39652	0.94559	0.09211	9.74054
ZZZ	5.06005	0.52371	1.03379	1.04787	1.02677	4.90142	1.02564	0.50902	0.15118	0.48669	0.53719	4.96355
CCV	5.03866	0.52421	1.03121	1.03920	1.02722	4.87171	1.02354	0.50772	0.15277	0.48454	0.53082	4.94819
CCB	-0.02294	-0.00136	0.00149	0.00143	0.00152	-0.01007	-0.00142	-0.00055	0.00097	-0.00016	0.00096	-0.00453

Sample Id1	V	Zn	Zr
MIXBHGH	H5.07625	H10.30547	L-0.02873
MIXAHIGH	-0.00854	0.00468	0.00463
MIXCHIGH	-0.00677	-0.00891	4.96028
ICV	0.24918	0.49202	0.49478
ICB	0.00026	-0.01021	0.00045
CRI	0.10693	0.04769	0.05213
ICSA	-0.00356	-0.00588	0.00299
ICSAB	0.48297	0.93714	0.49072
CCV	0.50087	0.99667	0.99137
CCB	-0.00001	-0.01203	0.00019
IP090217-1MB	0.00009	-0.00499	0.00011
IP090217-1LCS	0.53016	0.53570	-0.00064
0902094-3 10X	0.00277	-0.00544	L-0.04649
0902094-5	-0.00006	0.05707	-0.00063
0902102-1	0.27900	-0.01073	-0.00156
0902102-1D	0.27781	-0.01312	-0.00183
0902102-1L 5X	0.05967	-0.01191	-0.00016
0902102-1MS	0.77917	0.48134	-0.00326
0902102-1MSD	0.76776	0.47193	-0.00312
0902102-2	0.10061	-0.01320	-0.00142
CCV	0.49110	0.96621	0.97287
CCB	0.00014	-0.01328	0.00020
0902102-3	0.02815	-0.01166	-0.00110
0902102-4	0.00747	-0.00895	-0.00160
0902102-5	0.00665	-0.00964	-0.00168
0902102-6	0.27987	-0.00806	-0.00219
0902102-7	0.08645	-0.01025	-0.00174
0902111-1 10X	0.00020	-0.01429	-0.00187
EX090216-6MB	-0.00026	-0.01530	-0.00009
EX090216-6LCS	0.51173	0.50846	-0.00125
EX090216-6LCSD	0.51330	0.50838	-0.00180
0901256-5	0.00023	0.03304	0.14331
CCV	0.49165	0.95970	0.97408
CCB	-0.00043	-0.01474	0.00000
0901256-6	0.00137	-0.01555	0.13402
0901256-7	0.00061	-0.00410	0.22167
0901256-8	0.00340	0.48000	0.01053
0901256-9	0.00230	0.15006	0.00233
0901256-10	0.00056	-0.01943	-0.00011
0901256-11	-0.00008	-0.01033	-0.00067
0902121-4	-0.00010	-0.00600	-0.00017
0902121-4D	-0.00040	-0.00531	-0.00014
0902121-4L 5X	-0.00049	-0.01421	-0.00017
0902121-4MS	0.51774	0.52506	-0.00189
CCV	0.50718	1.00356	1.00144
CCB	-0.00019	-0.01886	0.00006
0902121-4MSD	0.51597	0.51377	-0.00136
0902121-5	-0.00001	0.01091	-0.00050
0902121-6	0.00001	0.00520	-0.00209
CCV	0.48864	0.93429	0.97652

Sample Id1	V	Zn	Zr
CCB	0.00007	-0.01919	0.00015
0901123-2	-0.00010	0.21705	-0.00029
0902111-1 100X	0.00001	L-0.02028	-0.00005
0902121-4 5X	-0.00017	-0.01478	-0.00025
0902121-4D 5X	0.00007	-0.01607	-0.00005
0902121-4L 25X	-0.00020	-0.01971	-0.00016
0902121-4MS 5X	0.10506	0.09346	-0.00047
0902121-4MSD 5X	0.10193	0.08407	-0.00014
0902121-5 100X	-0.00005	-0.01725	-0.00021
0902121-6 100X	-0.00018	-0.01797	-0.00018
CCV	0.49279	0.95571	0.97955
CCB	-0.00017	-0.01757	-0.00013
CRI	0.10335	0.03049	0.05077
ICSA	-0.00284	-0.01304	0.00272
ICSAB	0.49133	0.93885	0.49958
ZZZ	0.50546	0.98429	1.00552
CCV	0.50286	0.97831	1.00171
CCB	-0.00024	-0.01967	0.00008

Method : Paragon
SampleId1 : BLANK
Analysis commenced : 2/18/2009 10:39:11
Dilution ratio : 1.00000 to 1.00000 Tray :

File : 090218A
SampleId2 :
[STD]
Printed : 2/18/2009 13:57:49
Position : TUBE1

Raw intensities

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.149	1.734	4.232	0.845	0.193	4.147	2.088	0.444	1.460
#2	1.148	1.729	4.295	0.855	0.195	4.141	2.099	0.444	1.465
Mean	1.148	1.732	4.264	0.850	0.194	4.144	2.094	0.444	1.463
%RSD	0.062	0.204	1.045	0.832	0.729	0.102	0.372	0.000	0.242

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.319	2.245	0.716	0.512	6.458	0.971	1.246	0.138	1.271
#2	1.322	2.277	0.715	0.515	6.484	0.973	1.261	0.138	1.268
Mean	1.321	2.261	0.716	0.514	6.471	0.972	1.253	0.138	1.269
%RSD	0.161	1.001	0.099	0.413	0.284	0.145	0.846	0.000	0.167

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.115	2.766	1.248	32.739	9.852	0.196	3.114	6.805	5.186
#2	1.122	2.760	1.249	32.893	9.883	0.199	3.144	6.818	5.185
Mean	1.119	2.763	1.249	32.816	9.868	0.198	3.129	6.812	5.185
%RSD	0.443	0.154	0.057	0.332	0.222	1.074	0.678	0.135	0.014

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	3.753	1.366	0.322	6.189	2.106	5.100	1.505	1.560	0.837
#2	3.778	1.363	0.324	6.251	2.113	5.211	1.517	1.577	0.842
Mean	3.766	1.365	0.323	6.220	2.109	5.156	1.511	1.569	0.839
%RSD	0.469	0.155	0.438	0.705	0.235	1.522	0.562	0.766	0.421

	Zr	Pb	Se
	Reading	Reading	Reading
#1	2.600		
#2	2.614		
Mean	2.607	0.000	0.000
%RSD	0.380	0.000	0.000

Method : Paragon
SampleId1 : RL
Analysis commenced : 2/18/2009 10:41:44
Dilution ratio : 1.00000 to 1.00000 Tray :

File : 090218A
SampleId2 :
[STD]
Printed : 2/18/2009 13:57:49
Position : TUBE2

Raw intensities

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.186	2.110	4.398	2.304	0.293	5.569	2.140	2.159	1.549
#2	1.186	2.107	4.460	2.299	0.293	5.567	2.117	2.169	1.567
Mean	1.186	2.109	4.429	2.302	0.293	5.568	2.128	2.164	1.558
%RSD	0.000	0.101	0.990	0.154	0.000	0.025	0.764	0.327	0.817

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.366	2.380	0.745	1.545	8.180	3.820	2.267	0.194	1.796
#2	1.379	2.396	0.741	1.546	8.211	3.819	2.270	0.196	1.783
Mean	1.373	2.388	0.743	1.546	8.195	3.819	2.269	0.195	1.790
%RSD	0.670	0.474	0.381	0.046	0.267	0.019	0.094	0.725	0.514

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	10.868	3.188	1.899	32.495	9.973	0.646	3.255	6.854	5.336
#2	10.867	3.218	1.875	32.387	9.930	0.644	3.246	6.819	5.328
Mean	10.868	3.203	1.887	32.441	9.951	0.645	3.251	6.837	5.332
%RSD	0.007	0.662	0.899	0.235	0.306	0.219	0.196	0.362	0.106

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	4.546	1.444	2.280	6.391	4.200	5.280	1.749	1.660	0.833
#2	4.549	1.444	2.278	6.426	4.221	5.257	1.754	1.676	0.837
Mean	4.548	1.444	2.279	6.409	4.211	5.268	1.752	1.668	0.835
%RSD	0.047	0.000	0.062	0.386	0.353	0.309	0.202	0.678	0.339

	Zr	Pb	Se
	Reading	Reading	Reading
#1	3.327		
#2	3.344		
Mean	3.336	0.000	0.000
%RSD	0.360	0.000	0.000

Method : Paragon
 File : 090218A
SampleId1 : B3
SampleId2 :
Analysis commenced : 2/18/2009 10:43:42
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:57:49
 [STD]

Position : TUBE3

Raw intensities

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.730	1.762	6.074	3.640	4.874	16.234	2.118	0.498	7.657
#2	1.726	1.760	6.105	3.669	4.877	16.277	2.104	0.498	7.638
Mean	1.728	1.761	6.090	3.655	4.876	16.256	2.111	0.498	7.648
%RSD	0.164	0.080	0.360	0.561	0.044	0.187	0.469	0.000	0.176

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.366	2.380	0.745	1.545	8.180	3.820	2.267	0.194	1.796
#2	1.379	2.396	0.741	1.546	8.211	3.819	2.270	0.196	1.783
Mean	1.373	2.388	0.743	1.546	8.195	3.819	2.269	0.195	1.790
%RSD	0.670	0.474	0.381	0.046	0.267	0.019	0.094	0.725	0.514

Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	3.130	9.824	2.467	0.510	6.410	0.964
#2	3.129	9.811	2.471	0.509	6.391	0.957
Mean	3.130	9.817	2.469	0.510	6.401	0.960
%RSD	0.023	0.094	0.115	0.139	0.210	0.515

Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.151	11.710	7.082	45.199	17.091	0.468
#2	1.144	11.755	7.091	45.208	17.074	0.458
Mean	1.148	11.733	7.087	45.204	17.083	0.463
%RSD	0.431	0.271	0.090	0.014	0.070	1.527

Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	11.518	2.317	18.331	7.025	21.909	6.941
#2	11.501	2.313	18.363	7.011	21.909	6.944
Mean	11.509	2.315	18.347	7.018	21.909	6.943
%RSD	0.104	0.122	0.123	0.141	0.000	0.031

Reading	Reading	Reading
#1	2.807	
#2	2.795	
Mean	2.801	0.000
%RSD	0.303	0.000

Method : Paragon File : 090218A
SampleId1 : B2 SampleId2 :
Analysis commenced : 2/18/2009 10:45:39
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:57:50
[STD]
Position : TUBE4

Raw intensities

Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	7.067	1.904	22.510	28.905	46.986	125.593
#2	7.083	1.901	22.686	28.951	47.244	125.601
Mean	7.075	1.903	22.598	28.928	47.115	125.597
%RSD	0.160	0.112	0.551	0.112	0.387	0.005

Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	19.377	77.365	18.343	0.553	6.289	0.950
#2	19.360	77.421	18.453	0.543	6.231	0.941
Mean	19.368	77.393	18.398	0.548	6.260	0.946
%RSD	0.062	0.051	0.423	1.290	0.655	0.673

Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	19.377	77.365	18.343	0.553	6.289	0.950
#2	19.360	77.421	18.453	0.543	6.231	0.941
Mean	19.368	77.393	18.398	0.548	6.260	0.946
%RSD	0.062	0.051	0.423	1.290	0.655	0.673

#1	1.375	91.932	59.023	158.670	82.077	0.235	7.804	17.921	23.189
#2	1.374	91.928	59.168	158.664	82.080	0.231	7.759	17.901	23.261
Mean	1.375	91.930	59.096	158.667	82.078	0.233	7.782	17.911	23.225
%RSD	0.051	0.003	0.173	0.003	0.003	1.214	0.409	0.079	0.219

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	81.191	10.736	175.250	14.444	200.709	23.311	1.495	28.777	14.368
#2	81.448	10.747	176.487	14.425	201.238	23.329	1.482	28.771	14.324
Mean	81.320	10.742	175.868	14.435	200.974	23.320	1.489	28.774	14.346
%RSD	0.223	0.072	0.497	0.093	0.186	0.055	0.618	0.015	0.217

	Zr	Pb	Se
	Reading	Reading	Reading
#1	4.423		
#2	4.389		
Mean	4.406	0.000	0.000
%RSD	0.546	0.000	0.000

Method : Paragon File : 090218A
SampleId1 : B1 **SampleId2 :**
Analysis commenced : 2/18/2009 10:47:36
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:57:50
[STD]

Position : TUBE5

Raw intensities

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	60.693	3.477	184.109	278.005	443.723	1197.677	3.386	0.697	595.333
#2	60.586	3.473	183.704	278.090	444.518	1195.454	3.346	0.691	594.103
Mean	60.640	3.475	183.907	278.048	444.121	1196.566	3.366	0.694	594.718
%RSD	0.125	0.081	0.156	0.022	0.127	0.131	0.840	0.611	0.146

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	179.991	748.506	177.486	1.007	6.432	1.065	1.513	249.417	467.395
#2	179.486	746.804	177.766	1.002	6.387	1.057	1.500	248.881	466.819
Mean	179.739	747.655	177.626	1.005	6.410	1.061	1.507	249.149	467.107
%RSD	0.199	0.161	0.111	0.352	0.496	0.533	0.610	0.152	0.087

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	2.124	879.959	520.470	1287.776	729.080	0.276	49.995	116.336	184.853
#2	2.111	878.274	521.863	1282.964	727.907	0.279	49.906	116.324	184.648
Mean	2.118	879.117	521.167	1285.370	728.494	0.278	49.951	116.330	184.751
%RSD	0.434	0.136	0.189	0.265	0.114	0.764	0.126	0.007	0.078

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	759.406	94.138	1522.623	89.479	1998.253	187.646	1.812	272.377	132.457

#2	760.134	93.747	1515.180	89.401	1997.841	187.852	1.800	272.061	131.705
Mean	759.770	93.943	1518.902	89.440	1998.047	187.749	1.806	272.219	132.081
%RSD	0.068	0.294	0.347	0.062	0.015	0.078	0.470	0.082	0.403

Zr	Pb	Se
Reading	Reading	Reading
#1		
#2		
Mean	0.000	0.000
%RSD	0.000	0.000

Method : Paragon
File : 090218A
SampleId1 : A3
SampleId2 :
Analysis commenced : 2/18/2009 10:49:33
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:57:50
[STD]

Position : TUBE6

Raw intensities

Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.125	4.395	1.196	0.216	4.153	2.059	37.583	1.451
#2	1.111	4.316	1.156	0.212	4.147	2.043	37.508	1.460
Mean	1.118	4.355	1.176	0.214	4.150	2.051	37.546	1.456
%RSD	0.885	1.283	2.405	1.322	0.102	0.552	0.141	0.437

Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.293	0.710	38.242	16.154	16.522	23.558	0.154	1.538
#2	1.291	0.710	38.212	16.188	16.560	23.582	0.153	1.478
Mean	1.292	0.710	38.227	16.171	16.541	23.570	0.154	1.508
%RSD	0.109	0.000	0.055	0.149	0.162	0.072	0.461	2.813

Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	50.134	1.299	32.536	9.912	0.566	3.119	6.887	5.282
#2	50.326	1.291	32.209	9.844	0.565	3.112	6.813	5.275
Mean	50.230	1.295	32.373	9.878	0.565	3.116	6.850	5.279
%RSD	0.270	0.437	0.714	0.487	0.125	0.159	0.764	0.094

Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	3.965	0.419	7.058	2.331	5.095	1.562	1.582	0.769
#2	3.908	0.405	7.022	2.285	5.115	1.556	1.569	0.772
Mean	3.936	0.412	7.040	2.308	5.105	1.559	1.576	0.771
%RSD	1.024	2.403	0.362	1.409	0.277	0.272	0.583	0.275

Zr	Pb	Se
Reading	Reading	Reading
#1		
#2		

Mean 2.561 0.000 0.000NCH
%RSD 0.746 0.000 0.000

Method : Paragon File : 090218A
SampleId1 : A2
Analysis commenced : 2/18/2009 10:51:31
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:57:51
[STD]

Position : TUBE7

Raw intensities

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.212	181.274	5.121	1.159	0.213	4.341	2.133	365.648	1.516
#2	1.223	180.575	5.018	1.145	0.215	4.311	2.150	365.201	1.554
Mean	1.218	180.925	5.069	1.152	0.214	4.326	2.141	365.425	1.535
%RSD	0.639	0.273	1.437	0.859	0.661	0.490	0.561	0.086	1.750

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.385	2.656	0.749	361.443	135.455	213.255	221.856	0.208	1.713
#2	1.387	2.668	0.748	360.643	134.991	212.281	221.487	0.207	1.710
Mean	1.386	2.662	0.749	361.043	135.223	212.768	221.671	0.208	1.712
%RSD	0.102	0.319	0.094	0.157	0.243	0.324	0.118	0.341	0.124

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	546.250	2.904	1.415	39.517	12.423	0.356	4.153	8.445	6.633
#2	543.997	2.882	1.462	39.510	12.500	0.361	4.134	8.450	6.663
Mean	545.123	2.893	1.438	39.514	12.462	0.359	4.143	8.448	6.648
%RSD	0.292	0.538	2.310	0.013	0.437	0.986	0.324	0.042	0.319

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	4.296	1.604	0.469	12.267	2.597	6.118	2.088	1.870	0.940
#2	4.292	1.619	0.471	12.311	2.609	6.049	2.122	1.889	0.939
Mean	4.294	1.612	0.470	12.289	2.603	6.084	2.105	1.880	0.940
%RSD	0.066	0.658	0.301	0.253	0.326	0.802	1.142	0.715	0.075

	Zr	Pb	Se
	Reading	Reading	Reading
#1	2.875		
#2	2.878		
Mean	2.877	0.000	0.000
%RSD	0.074	0.000	0.000

Method : Paragon File : 090218A
SampleId1 : A1
Analysis commenced : 2/18/2009 10:53:29
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:57:51
[STD]

Position : TUBE8

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.325	1591.456	11.643	2.004	0.255	5.275	2.558	2777.791	2.180
#2	1.327	1593.133	11.600	2.008	0.252	5.267	2.532	2779.965	2.226
Mean	1.326	1592.295	11.622	2.006	0.254	5.271	2.545	2778.878	2.203
%RSD	0.107	0.074	0.262	0.141	0.837	0.107	0.722	0.055	1.476

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.935	3.696	0.892	2392.551	1181.300	2429.398	1912.776	0.697	5.043
#2	1.924	3.676	0.884	2390.701	1182.812	2432.530	1914.545	0.698	5.027
Mean	1.930	3.686	0.888	2391.626	1182.056	2430.964	1913.661	0.698	5.035
%RSD	0.403	0.384	0.637	0.055	0.090	0.091	0.065	0.101	0.225

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	3183.025	3.825	2.551	96.626	30.163	0.332	12.989	22.961	17.419
#2	3172.715	3.841	2.595	96.403	30.423	0.335	12.935	23.028	17.383
Mean	3177.870	3.833	2.573	96.515	30.293	0.334	12.962	22.995	17.401
%RSD	0.229	0.295	1.209	0.163	0.607	0.636	0.295	0.206	0.146

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	5.636	3.714	1.357	24.219	3.643	14.318	4.308	2.986	2.135
#2	5.624	3.730	1.359	24.180	3.657	14.520	4.316	2.980	2.108
Mean	5.630	3.722	1.358	24.200	3.650	14.419	4.312	2.983	2.122
%RSD	0.151	0.304	0.104	0.114	0.271	0.991	0.131	0.142	0.900

	Zr	Pb	Se
	Reading	Reading	Reading
#1	3.693		
#2	3.684		
Mean	3.689	0.000	0.000
%RSD	0.173	0.000	0.000

Method : Paragon File : 090218A
SampleId1 : C3 SampleId2 :
Analysis commenced : 2/18/2009 10:55:26
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:57:51
[STD]

Position : TUBE9

Raw intensities

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.184	1.801	4.193	0.952	0.196	4.150	2.754	0.665	1.440
#2	1.182	1.787	4.180	0.949	0.195	4.133	2.739	0.633	1.455
Mean	1.183	1.794	4.186	0.950	0.196	4.142	2.747	0.649	1.448
%RSD	0.120	0.552	0.220	0.223	0.362	0.290	0.386	3.487	0.733

	Co	Cr	Fe	K	Li	Mg	Mn	Mo
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.318	2.339	0.680	6.600	1.037	1.413	0.141	1.271
#2	1.321	2.333	0.645	6.540	1.022	1.397	0.141	1.260
Mean	1.320	2.336	0.663	6.570	1.030	1.405	0.141	1.265
%RSD	0.161	0.182	3.736	0.646	1.030	0.805	0.000	0.615
	Na	Ni	Pb I	Pb II	S	Sb	Se I	Se II
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.712	2.794	32.577	9.895	1.014	3.071	6.738	5.098
#2	1.619	2.738	32.604	9.968	1.021	3.074	6.742	5.135
Mean	1.666	2.766	32.591	9.932	1.018	3.073	6.740	5.117
%RSD	3.948	1.432	0.059	0.520	0.486	0.069	0.042	0.511
	Si	Sn	Th	Ti	Tl	U	V	Zn
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	3.785	1.351	7.145	2.175	5.100	2.768	1.602	0.756
#2	3.770	1.348	7.113	2.169	5.035	2.758	1.589	0.756
Mean	3.778	1.350	7.129	2.172	5.068	2.763	1.596	0.756
%RSD	0.281	0.157	0.317	0.195	0.907	0.256	0.576	0.000

	Zr	Pb	Se
	Reading	Reading	Reading
#1	9.651		
#2	9.695		
Mean	9.673	0.000	0.000
%RSD	0.322	0.000	0.000

Method : Paragon File : 090218A
SampleId1 : C2 SampleId2 :
Analysis commenced : 2/18/2009 10:57:24
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:57:51

[STD]

Position : TUBE10

Raw intensities

	Ag	Al	As	B	Ba	Be	Bi	Cd
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.560	1.970	4.283	1.017	0.194	4.637	8.812	1.483
#2	1.562	1.970	4.204	1.005	0.193	4.637	8.881	1.463
Mean	1.561	1.970	4.244	1.011	0.194	4.637	8.846	1.473
%RSD	0.091	0.000	1.316	0.839	0.365	0.000	0.552	0.960
	Co	Cr	Cu	Fe	K	Li	Mg	Mo
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.360	3.144	0.840	0.645	6.405	0.978	1.993	1.274
#2	1.353	3.136	0.841	0.645	6.365	0.976	1.986	1.268
Mean	1.357	3.140	0.841	0.645	6.385	0.977	1.990	1.271
%RSD	0.365	0.180	0.084	0.000	0.443	0.145	0.249	0.334

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	1.473	2.848	1.298	33.645	10.304	4.826	3.068	6.806	5.097
#2	1.457	2.831	1.276	33.560	10.258	4.853	3.059	6.801	5.157
Mean	1.465	2.840	1.287	33.603	10.281	4.839	3.064	6.804	5.127
%RSD	0.772	0.423	1.209	0.179	0.316	0.395	0.208	0.052	0.828
	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	4.419	1.375	0.355	15.616	2.605	5.093	13.964	1.858	0.706
#2	4.411	1.360	0.356	15.621	2.596	5.055	14.056	1.860	0.700
Mean	4.415	1.368	0.356	15.619	2.601	5.074	14.010	1.859	0.703
%RSD	0.128	0.776	0.199	0.023	0.245	0.530	0.464	0.076	0.604

	Zr	Pb	Se
	Reading	Reading	Reading
#1	74.277		
#2	74.684		
Mean	74.481	0.000	0.000
%RSD	0.386	0.000	0.000

Method : Paragon
 SampleId1 : C1
 File : 090218A
 SampleId2 :
 Analysis commenced : 2/18/2009 10:59:21
 Dilution ratio : 1.00000 to 1.00000 Tray :
 Printed : 2/18/2009 13:57:52
 [STD]
 Position : TUBE11

Raw intensities

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	5.731	4.395	4.942	2.155	0.233	10.072	71.727	1.899	2.023
#2	5.751	4.376	4.945	2.162	0.232	10.047	71.520	1.899	1.996
Mean	5.741	4.386	4.944	2.159	0.233	10.060	71.624	1.899	2.010
%RSD	0.246	0.306	0.043	0.229	0.304	0.176	0.204	0.000	0.950
	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	2.064	12.086	2.216	1.765	6.783	1.151	8.944	0.503	1.521
#2	2.057	12.081	2.209	1.754	6.761	1.149	8.915	0.503	1.524
Mean	2.061	12.084	2.213	1.760	6.772	1.150	8.930	0.503	1.523
%RSD	0.240	0.029	0.224	0.442	0.230	0.123	0.230	0.000	0.139
	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	2.214	4.261	1.668	51.275	17.140	43.758	3.697	8.370	6.062
#2	2.206	4.279	1.660	51.081	17.111	43.711	3.705	8.430	6.121
Mean	2.210	4.270	1.664	51.178	17.126	43.735	3.701	8.400	6.092
%RSD	0.256	0.298	0.340	0.268	0.120	0.076	0.153	0.505	0.685
	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	74.277								
#2	74.684								
Mean	74.481	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
%RSD	0.386	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading	Reading
#1	11.507	1.784	0.736	104.266	7.739	6.097	128.734	4.999	0.826
#2	11.479	1.780	0.737	104.240	7.707	6.047	128.756	5.013	0.828
Mean	11.493	1.782	0.736	104.253	7.723	6.072	128.745	5.006	0.827
%RSD	0.172	0.159	0.096	0.018	0.293	0.582	0.012	0.198	0.171

	Zr	Pb	Se
	Reading	Reading	Reading
#1	748.984		
#2	748.342		
Mean	748.663	0.000	0.000
%RSD	0.061	0.000	0.000

Line calibration information

Analyte	Reporting name	C0	C1	C2	C3	Correlation coefficient	Low limit	High limit	Date of last regression
Ag 328.068	Ag	0.0003394	0.0355111	-0.0000001	0	1.0000	0.002	54.331	2/18/2009 11:01:01
Al 308.215	Al	0.0814537	0.2974391	0.0000228	0	1.0000	-0.276	1503.289	2/18/2009 11:01:01
As 189.042/2	As	0.0052021	0.030452	0.0000044	0	1.0000	-0.134	160.327	2/18/2009 11:01:01
B 249.678/2	B	-0.0017577	0.0420826	0.0000026	0	1.0000	0.031	234.334	2/18/2009 11:01:02
Ba 493.409	Ba	0.0002056	0.0245999	0.0000042	0	1.0000	0.001	381.630	2/18/2009 11:01:02
Be 313.042	Be	-0.0034525	0.000822	0.0000000	0	1.0000	4.144	1196.566	2/18/2009 11:01:02
Bi 223.061	Bi	0.0028214	0.0922516	-0.0000444	0	1.0000	-0.021	55.660	2/18/2009 11:01:03
Ca 317.933	Ca	-0.031929	0.1421744	0.0000196	0	0.99996	0.032	2589.097	2/18/2009 11:01:03
Cd 226.502/2	Cd	-0.0004748	0.00997	0.0000008	0	1.0000	0.049	483.650	2/18/2009 11:01:03
Co 228.616	Co	0.0004727	0.0285538	0.0000023	0	1.0000	-0.017	172.653	2/18/2009 11:01:04
Cr 267.716	Cr	-0.0003856	0.0136069	0.0000002	0	1.0000	0.023	728.332	2/18/2009 11:01:04
Cu 324.753	Cu	-0.0121632	0.0639832	0.0000000	0	1.0000	0.194	156.463	2/18/2009 11:01:04
Fe 259.94	Fe	-0.0043439	0.0530817	0.0000139	0	1.0000	0.014	2330.563	2/18/2009 11:01:05
K 766.491	K	-0.9619553	0.1896312	0.0000192	0	1.0000	6.471	1182.056	2/18/2009 11:01:05
Li 670.784	Li	0.0029889	0.0022659	-0.0000001	0	1.0000	0.972	2430.964	2/18/2009 11:01:05
Mg 279.078	Mg	-0.0170178	0.2408552	0.0000166	0	0.99997	-0.017	1839.902	2/18/2009 11:01:06
Mn 257.61	Mn	-0.0000821	0.0381265	0.0000118	0	1.0000	0.003	243.824	2/18/2009 11:01:06
Mo 202.03/2	Mo	-0.0009943	0.0233263	0.0000019	0	1.0000	0.030	415.058	2/18/2009 11:01:06
Na 588.995	Na	0.1734413	0.0387733	0.0000125	0	1.0000	1.119	3177.870	2/18/2009 11:01:07
Ni 231.604	Ni	-0.0012074	0.0143812	0.0000004	0	1.0000	0.076	707.181	2/18/2009 11:01:07
P 178.287/2	P	-0.007587	0.0872867	0.0000223	0	1.0000	0.078	507.256	2/18/2009 11:01:07
Pb 220.351	Pb I	0.0009941	0.0082616	0.0000001	0	1.0000	0.062	1196.263	2/18/2009 11:01:08
Pb 220.352/2	Pb II	-0.0045906	0.0143964	0.0000002	0	1.0000	0.305	688.953	2/18/2009 11:01:08
S 182.04/2	S	-0.0740787	1.1490572	0.0007888	0	0.99997	0.051	42.562	2/18/2009 11:01:08
Sb 206.838/2	Sb	-0.0002469	0.0543736	-0.0000005	0	1.0000	0.020	36.800	2/18/2009 11:01:09
Se 196.021	Se I	0.0021541	0.04652	0.0000075	0	1.0000	-0.006	105.628	2/18/2009 11:01:09
Se 196.021/2	Se II	-0.0021672	0.0283506	0.0000016	0	1.0000	0.071	174.698	2/18/2009 11:01:09
Si 288.158	Si	-0.106424	0.0657189	0.0000026	0	1.0000	1.619	740.939	2/18/2009 11:01:10
Sn 189.989	Sn	0.0015852	0.1133964	0.0000171	0	1.0000	-0.009	87.033	2/18/2009 11:01:10
Sr 421.552	Sr	-0.0005958	0.0069396	0.0000009	0	1.0000	0.003	1276.887	2/18/2009 11:01:10

Method report Paragon

Th 283.73/2	Th	-0.0099155	0.0258211	0.0000016	0	1.0000	0.365	77.457	2/18/2009 11:01:11
Ti 334.941	Ti	0.0002573	0.0051574	0.0000000	0	1.0000	-0.090	1948.200	2/18/2009 11:01:11
Tl 190.864/2	Tl	0.0059563	0.032439	-0.0000001	0	1.0000	-0.125	154.046	2/18/2009 11:01:11
U 385.958	U	0.0025727	0.4304088	-0.0000614	0	1.0000	-0.003	118.156	2/18/2009 11:01:12
V 292.402	V	-0.000089	0.0191146	0.0000005	0	1.0000	0.002	259.770	2/18/2009 11:01:12
Zn 206.2	Zn	-0.033059	0.0808835	0.0000226	0	1.0000	0.457	124.327	2/18/2009 11:01:12
Zr 339.198	Zr	-0.0003643	0.0074092	-0.0000004	0	1.0000	0.073	702.985	2/18/2009 11:01:13

Method : Paragon
SampleId1 : MIXBHIGH
File : 090218A
SampleId2 :
Analysis commenced : 2/18/2009 11:01:53
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:06
[CV]

Position : TUBE5

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	2.02706	-0.02332	5.10079	10.16206	10.11356	1.01783	-0.00738	-0.02880	5.04079
#2	2.01698	-0.02220	5.08743	10.10742	10.02777	1.01708	-0.00390	-0.02781	5.04263
Mean	2.02202	-0.02276	5.09411	10.13474	10.07066	1.01745	-0.00564	-0.02830	5.04171
%RSD	0.35266	3.48175	0.18543	0.38123	0.60238	0.05188	43.63239	2.48638	0.02579

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	5.10631	10.21253	10.10967	-0.00976	0.27355	0.00556	-0.03797	10.20596	10.18747
#2	5.09862	10.20738	10.01059	-0.00955	0.29178	0.00559	-0.03701	10.20085	10.17545
Mean	5.10247	10.20995	10.06013	-0.00965	0.28266	0.00558	-0.03749	10.20340	10.18146
%RSD	0.10658	0.03564	0.69638	1.55544	4.56012	0.41991	1.81709	0.03538	0.08350

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.25974	10.18668	50.76476	10.24385	10.17383	-0.25709	2.04220	5.07748	5.05593
#2	0.25942	10.18174	50.72762	10.23127	10.17704	-0.25364	2.03095	5.05587	5.05735
Mean	0.25958	10.18421	50.74619	10.23756	10.17544	-0.25536	2.03658	5.06668	5.05664
%RSD	0.08462	0.03432	0.05174	0.08691	0.02236	0.95461	0.39081	0.30149	0.01982

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	50.94158	10.23664	10.10868	2.03460	10.16052	5.08859	-0.05079	5.08600	10.27698
#2	50.67969	10.23763	9.99524	2.03275	10.11454	5.07489	-0.04218	5.06650	10.33396
Mean	50.81063	10.23714	10.05196	2.03368	10.13753	5.08174	-0.04649	5.07625	10.30547
%RSD	0.36446	0.00680	0.79804	0.06414	0.32070	0.19063	13.09367	0.27166	0.39101

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.02814	10.19715	5.06310
#2	-0.02933	10.19510	5.05686
Mean	-0.02873	10.19612	5.05998
%RSD	2.92786	0.01418	0.08732

Method : Paragon
SampleId1 : MIXAHIGH
File : 090218A
SampleId2 :
Analysis commenced : 2/18/2009 11:03:50
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:06
[CV]

Position : TUBE8

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00051	506.49272	0.00118	0.00636	0.00085	0.00101	0.01281	515.21677	0.00015
#2	-0.00063	506.39154	0.00210	0.00704	0.00085	0.00100	0.01124	517.77175	0.00007
Mean	-0.00006	506.44213	0.00164	0.00670	0.00085	0.00101	0.01202	516.49426	0.00011
%RSD	1275.86992	0.01413	39.40509	7.10525	0.00000	0.69601	9.21550	0.34979	50.16772

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00390	0.00159	-0.00181	204.20673	249.63805	5.01375	511.49146	0.00385	0.00446
#2	0.00384	0.00184	-0.00175	204.73759	249.34512	5.00340	512.55305	0.00365	0.00187
Mean	0.00387	0.00172	-0.00178	204.47216	249.49159	5.00857	512.02226	0.00375	0.00317
%RSD	1.04270	10.57438	2.43091	0.18358	0.08302	0.14613	0.14661	3.59506	57.76637

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	249.85029	0.00330	0.02314	-0.00051	0.00413	-0.26513	0.00908	-0.00476	-0.01808
#2	249.28676	0.00272	0.02401	-0.00248	0.00242	-0.25824	0.01025	-0.00697	-0.01382
Mean	249.56853	0.00301	0.02358	-0.00150	0.00328	-0.26168	0.00966	-0.00587	-0.01595
%RSD	0.15967	13.68483	2.61830	93.43852	36.82082	1.86310	8.57843	26.52969	18.85726

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00412	0.00249	0.00444	0.00284	-0.00010	-0.01676	0.10110	-0.00856	0.00511
#2	0.00299	0.00204	0.00440	0.00779	-0.00011	-0.01367	0.10461	-0.00852	0.00425
Mean	0.00355	0.00227	0.00442	0.00531	-0.00011	-0.01522	0.10285	-0.00854	0.00468
%RSD	22.55222	14.15583	0.63684	65.92628	3.43068	14.37838	2.41425	0.37713	12.94558

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00476	0.00258	-0.01364
#2	0.00450	0.00079	-0.01154
Mean	0.00463	0.00169	-0.01259
%RSD	4.03351	75.28518	11.81783

Method : Paragon
SampleId1 : MIXCHIGH
Analysis commenced : 2/18/2009 11:05:48
Dilution ratio : 1.00000 to 1.00000
Tray :
File : 090218A
SampleId2 :
Printed : 2/18/2009 13:58:06
[CV]
Position : TUBE11

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00969	-0.16648	-0.00594	0.01436	-0.00038	0.00475	5.04185	0.06846	-0.00125
#2	0.00971	-0.08232	-0.00783	0.01550	-0.00034	0.00472	4.97678	0.16346	-0.00109
Mean	0.00970	-0.12440	-0.00689	0.01493	-0.00036	0.00473	5.00932	0.11596	-0.00117
%RSD	0.13350	47.83663	19.38365	5.38218	9.65853	0.43906	0.91849	57.93152	9.81661

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#2	0.00351	-0.00948	0.00089	-0.00180	0.29064	0.00585	-0.65445	0.00499
Mean	0.00419	-0.00981	0.00024	0.04264	0.30279	0.00628	-0.57523	0.00510
%RSD	0.00385	-0.00964	0.00056	0.02042	0.29671	0.00607	-0.61484	0.00505
	12.60624	2.42172	81.49446	153.85678	2.89615	4.98955	9.11019	1.60291
								102.91696

#1	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
#2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.27869	0.00139	0.01930	-0.00622	0.00436	49.46245	-0.00191	-0.00844	0.00153
%RSD	0.29695	0.00071	0.02035	-0.00632	0.00442	49.10516	-0.00142	0.00005	0.00140
	0.28782	0.00105	0.01982	-0.00627	0.00439	49.28381	-0.00167	-0.00419	0.00146
	4.48568	45.88036	3.73688	1.15654	0.93157	0.51263	20.86264	143.04377	6.32472

#1	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
#2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	-0.03361	0.01768	0.00130	-0.29191	0.01052	-0.00116	50.08962	-0.00666	-0.00868
%RSD	-0.03393	0.01938	0.00131	-0.29365	0.01017	0.00335	49.68822	-0.00687	-0.00915
	-0.03377	0.01853	0.00131	-0.29278	0.01035	0.00110	49.88892	-0.00677	-0.00891
	0.65752	6.49392	0.35938	0.42173	2.32659	290.75489	0.56892	2.10751	3.70798

#1	Zr	Pb	Se
#2	ppm	calc	calc
Mean	4.97863	0.00084	-0.00179
%RSD	4.94194	0.00084	0.00095
	4.96028	0.00084	-0.00042
	0.52304	0.37316	459.37271

Method : Paragon
SampleId1 : ICV
SampleId2 :
Analysis commenced : 2/18/2009 11:13:16
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:07
[CV]

Position : STD1

Final concentrations

#1	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
#2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.10755	25.84719	0.24702	0.50478	0.48769	0.24947	0.25938	25.71576	0.25255
%RSD	0.10868	25.92557	0.24626	0.50824	0.48881	0.24993	0.26214	25.79687	0.25320
	0.10811	25.88638	0.24664	0.50651	0.48825	0.24970	0.26076	25.75632	0.25288
	0.74264	0.21410	0.21876	0.48245	0.16140	0.12798	0.74992	0.22269	0.18058

#1	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
#2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.24480	0.48540	0.48107	10.16058	24.25413	0.24069	25.82643	0.48342	0.49405
%RSD	0.24517	0.48730	0.48266	10.18030	24.28956	0.24104	25.87311	0.48446	0.49494
	0.24498	0.48635	0.48187	10.17044	24.27185	0.24087	25.84977	0.48394	0.49450
	0.10769	0.27628	0.23336	0.13710	0.10322	0.10319	0.12769	0.15159	0.12718

#1	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
#2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean									
%RSD									

#1	24.02323	0.49511	2.50322	0.49714	0.49563	2.45767	0.25281	0.50446	0.50873
#2	24.07098	0.49829	2.51473	0.49857	0.49647	2.44268	0.25394	0.50928	0.51132
Mean	24.04711	0.49670	2.50898	0.49785	0.49605	2.45017	0.25337	0.50687	0.51002
%RSD	0.14043	0.45326	0.32447	0.20367	0.12029	0.43239	0.31670	0.67214	0.35870

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	2.45487	0.49035	0.24955	0.07752	0.24746	0.25666	2.48609	0.24885	0.49121
#2	2.46421	0.48854	0.24970	0.07535	0.24755	0.25625	2.49811	0.24950	0.49283
Mean	2.45954	0.48944	0.24962	0.07644	0.24751	0.25645	2.49210	0.24918	0.49202
%RSD	0.26869	0.26247	0.04168	2.00431	0.02357	0.11363	0.34100	0.18564	0.23333

	Zr	Pb	Se
	ppm	calc	calc
#1	0.49452	0.49613	0.50731
#2	0.49505	0.49717	0.51064
Mean	0.49478	0.49665	0.50897
%RSD	0.07595	0.14813	0.46264

Method : Paragon
File : 090218A
SampleId1 : ICB
SampleId2 :
Analysis commenced : 2/18/2009 11:15:31
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:07
[CB]

Position : STD2

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00076	0.00828	-0.00110	0.00308	0.00025	-0.00009	0.00089	-0.02496	-0.00006
#2	0.00033	0.01103	0.00243	0.00241	0.00030	-0.00011	0.00375	-0.02468	0.00004
Mean	0.00054	0.00965	0.00066	0.00275	0.00028	-0.00010	0.00232	-0.02482	-0.00001
%RSD	56.08455	20.18034	375.66471	17.34391	12.45137	12.53768	87.32925	0.81010	627.17534

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00007	-0.00017	-0.00008	-0.00275	0.24962	0.00518	-0.01750	0.00003	-0.00025
#2	0.00019	0.00010	-0.00002	-0.00233	0.26234	0.00520	-0.01798	0.00003	0.00104
Mean	0.00013	-0.00004	-0.00005	-0.00254	0.25598	0.00519	-0.01774	0.00003	0.00039
%RSD	61.44109	502.08328	91.66436	11.82630	3.51417	0.27769	1.92003	0.00000	230.47579

	Na	Ni	P	Pb	Pb	S	Sb	Se	Se
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.22255	0.00049	0.00105	0.00335	-0.00213	-0.01547	0.00002	0.00319	-0.00072
#2	0.22220	0.00048	0.00210	0.00309	-0.00398	-0.01777	0.00020	0.00133	-0.00208
Mean	0.22237	0.00048	0.00158	0.00322	-0.00305	-0.01662	0.00011	0.00226	-0.00140
%RSD	0.11105	2.10808	46.92695	5.58241	43.01934	9.77585	110.35924	58.16421	68.62345

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00477	-0.00261	-0.00055	-0.00359	-0.00034	-0.00147	0.01032	0.00018	-0.01081

#2	-0.00450	-0.00057	-0.00055	-0.00092	-0.00010	0.00382	0.01333	0.00035	-0.00960
Mean	-0.00464	-0.00159	-0.00055	-0.00225	-0.00022	0.00118	0.01183	0.00026	-0.01021
%RSD	4.01749	90.78189	0.89105	83.55261	77.24038	317.54004	18.00943	46.07230	8.40583
	Zr	Pb	Se						
	ppm	calc	calc						
#1	0.00046	-0.00030	0.00058						
#2	0.00043	-0.00163	-0.00095						
Mean	0.00044	-0.00097	-0.00018						
%RSD	4.70328	97.01806	589.31997						

Method : Paragon

File : 090218A

Printed : 2/18/2009 13:58:07

SampleId1 : CRI

SampleId2 :

[FLEXQC]

Analysis commenced : 2/18/2009 11:17:46

Dilution ratio : 1.00000 to 1.00000 Tray :

Position : STD3

Final concentrations

#1	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.01913	0.55776	0.00767	0.42341	0.40693	0.01084	0.05020	5.80798	0.01039
#2	0.01877	0.55368	0.00870	0.42708	0.40750	0.01082	0.05204	5.76269	0.01006
Mean	0.01895	0.55572	0.00819	0.42524	0.40721	0.01083	0.05112	5.78533	0.01023
%RSD	1.34719	0.51995	8.94327	0.60954	0.09880	0.10319	2.55214	0.55351	2.25515
#1	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.10482	0.02090	0.05231	0.21603	4.38336	0.02105	5.47997	0.03149	0.02054
#2	0.10457	0.02071	0.05244	0.21512	4.37134	0.02100	5.44759	0.03142	0.02089
Mean	0.10469	0.02081	0.05237	0.21557	4.37735	0.02103	5.46378	0.03146	0.02071
%RSD	0.17326	0.65208	0.17006	0.29664	0.19408	0.15989	0.41900	0.17150	1.19469
#1	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.41985	0.08692	0.21444	0.00236	0.00789	0.15921	0.12374	0.00916	0.01129
#2	4.42333	0.08676	0.21260	0.00195	0.00852	0.15461	0.12429	0.00814	0.01132
Mean	4.42159	0.08684	0.21352	0.00215	0.00820	0.15691	0.12401	0.00865	0.01131
%RSD	0.05565	0.12885	0.60781	13.50947	5.43755	2.07179	0.31255	8.34360	0.17645
#1	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.10184	0.10216	0.02438	0.09408	0.02128	0.02022	0.19050	0.10724	0.04785
#2	0.10078	0.10295	0.02436	0.09402	0.02137	0.02025	0.19309	0.10663	0.04752
Mean	0.10131	0.10255	0.02437	0.09405	0.02133	0.02023	0.19179	0.10693	0.04769
%RSD	0.73586	0.54738	0.06047	0.04716	0.29068	0.11956	0.95221	0.40471	0.48002
#1	Zr	Pb	Se						
	ppm	calc	calc						
#1	0.05200	0.00605	0.01058						
#2	0.05227	0.00633	0.01026						

Mean 0.05213 0.00619 0.01042NCH
%RSD 0.36749 3.24161 2.17868

Method : Paragon
SampleId1 : ICSA
File : 090218A
SampleId2 :
Analysis commenced : 2/18/2009 11:19:59
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:08
[FLEXQC]
Position : STD4

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00019	259.85891	0.00146	-0.00037	0.00033	0.00050	0.00403	266.26957	-0.00017
#2	0.00022	260.34160	-0.00402	-0.00033	0.00033	0.00050	0.00929	265.35166	0.00009
Mean	0.00020	260.10025	-0.00128	-0.00035	0.00033	0.00050	0.00666	265.81061	-0.00004
%RSD	9.21590	0.13122	301.85960	8.55218	0.00000	0.40543	55.87540	0.24418	487.12500

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00187	-0.00063	-0.00350	106.32207	0.18146	0.00534	264.25904	0.00137	-0.00090
#2	0.00213	-0.00065	-0.00325	106.38814	0.17557	0.00534	264.45696	0.00140	-0.00062
Mean	0.00200	-0.00064	-0.00337	106.35511	0.17852	0.00534	264.35800	0.00139	-0.00076
%RSD	9.10449	2.22320	5.17159	0.04393	2.33135	0.05999	0.05294	1.94545	26.00777

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.22977	0.00158	0.01275	-0.00177	0.00131	-0.03041	0.00361	0.00198	-0.00652
#2	0.22934	0.00148	0.01048	-0.00027	0.00060	-0.02582	0.00437	-0.00318	-0.00881
Mean	0.22955	0.00153	0.01162	-0.00102	0.00096	-0.02812	0.00399	-0.00060	-0.00767
%RSD	0.13150	4.64580	13.81509	104.30329	52.32251	11.56033	13.52635	607.51954	21.10575

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00429	-0.00012	0.00076	-0.00332	-0.00020	-0.00963	0.04337	-0.00336	-0.00507
#2	-0.00352	-0.00023	0.00079	-0.00902	-0.00055	-0.00848	0.05538	-0.00376	-0.00669
Mean	-0.00391	-0.00017	0.00078	-0.00617	-0.00038	-0.00905	0.04937	-0.00356	-0.00588
%RSD	13.97028	46.45126	2.52216	65.37830	65.76723	8.99876	17.19359	8.09749	19.45849

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00288	0.00029	-0.00369
#2	0.00310	0.00031	-0.00694
Mean	0.00299	0.00030	-0.00532
%RSD	5.27829	6.22723	43.18170

Method : Paragon
SampleId1 : ICSAB
File : 090218A
SampleId2 :
Analysis commenced : 2/18/2009 11:22:11
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:08
[FLEXQC]
Position : STD5

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.19530	267.53266	0.10041	1.01814	0.49195	0.48286	0.53761	276.47003	0.99750
#2	0.19359	266.39006	0.09754	1.01172	0.48945	0.48268	0.53668	275.93638	0.99561
Mean	0.19444	266.96136	0.09897	1.01493	0.49070	0.48277	0.53714	276.20321	0.99656
%RSD	0.62292	0.30264	2.04686	0.44696	0.36046	0.02569	0.12329	0.13662	0.13434

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.47829	0.45050	0.50185	110.52094	0.20481	1.06408	273.88710	0.46317	0.97937
#2	0.47634	0.44827	0.49952	110.33730	0.20766	1.05942	273.44909	0.46233	0.97601
Mean	0.47732	0.44938	0.50069	110.42912	0.20624	1.06175	273.66809	0.46275	0.97769
%RSD	0.28846	0.35149	0.32882	0.11759	0.97648	0.31060	0.11318	0.12913	0.24285

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.23314	0.94158	1.03077	0.05644	0.04099	0.98027	0.61823	0.06236	0.04040
#2	0.23338	0.93366	1.03033	0.04673	0.04799	0.97682	0.60392	0.05302	0.04537
Mean	0.23326	0.93762	1.03055	0.05159	0.04449	0.97854	0.61108	0.05769	0.04289
%RSD	0.07059	0.59742	0.03013	13.30669	11.12892	0.24941	1.65573	11.43643	8.19563

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.96736	0.98059	1.00507	0.40303	0.95209	0.09450	9.76044	0.48447	0.93592
#2	0.95748	0.98218	0.99985	0.40501	0.95053	0.08588	9.71011	0.48147	0.93836
Mean	0.96242	0.98138	1.00246	0.40402	0.95131	0.09019	9.73527	0.48297	0.93714
%RSD	0.72536	0.11481	0.36793	0.34552	0.11567	6.75637	0.36558	0.43954	0.18431

	Zr	Se
	ppm	calc
#1	0.49157	0.04771
#2	0.48988	0.04792
Mean	0.49072	0.04782
%RSD	0.24422	0.30831

Method : Paragon File : 090218A
SampleId1 : CCV SampleId2 :
Analysis commenced : 2/18/2009 11:24:23
Dilution ratio : 1.00000 to 1.00000 Tray :
Position : STD6

Printed : 2/18/2009 13:58:08

[CV]

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.21735	52.78360	0.50261	1.02903	0.97768	0.50324	0.52517	52.79836	0.51270
#2	0.21788	53.02534	0.50328	1.03308	0.98576	0.50423	0.53363	52.80523	0.51364
Mean	0.21761	52.90447	0.50295	1.03105	0.98172	0.50373	0.52940	52.80179	0.51317
%RSD	0.17342	0.32310	0.09463	0.27789	0.58185	0.13870	1.13061	0.00919	0.12952

ted: 2/18/2009 13:58:30 User: ROY FRENCH

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
#1	0.49216	0.97132	0.97453	20.90604	50.58087	0.51635	52.82409	0.96625	1.00098
#2	0.49217	0.97189	0.98481	20.95210	50.81604	0.51942	52.94091	0.96826	1.00544
Mean	0.49217	0.97161	0.97967	20.92907	50.69845	0.51789	52.88250	0.96726	1.00321
%RSD	0.00105	0.04156	0.74196	0.15564	0.32801	0.41858	0.15621	0.14720	0.31452

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
#1	50.60414	1.00141	5.14111	1.00351	1.00142	5.08606	0.51382	1.04367	1.04502
#2	50.78402	1.00467	5.14704	1.00439	1.00038	5.11728	0.52087	1.04885	1.03768
Mean	50.69408	1.00304	5.14407	1.00395	1.00090	5.10167	0.51735	1.04626	1.04135
%RSD	0.25089	0.22994	0.08154	0.06201	0.07377	0.43266	0.96310	0.34982	0.49843

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
#1	4.94835	0.99897	0.50354	0.15661	0.49293	0.52204	4.95179	0.50035	0.99610
#2	4.96353	1.00101	0.50701	0.15435	0.49482	0.52291	4.98007	0.50139	0.99724
Mean	4.95594	0.99999	0.50527	0.15548	0.49388	0.52248	4.96593	0.50087	0.99667
%RSD	0.21659	0.14456	0.48611	1.03011	0.27087	0.11726	0.40271	0.14718	0.08091

	Zr	Pb	Se
#1	0.98887	calc	calc
#2	0.99387	1.00212	1.04457
Mean	0.99137	1.00171	1.04140
%RSD	0.35688	1.00192	1.04299
			0.21508

Method : Paragon File : 090218A
SampleId1 : CCB SampleId2 :
Analysis commenced : 2/18/2009 11:26:41
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:09

[CB]

Position : STD2

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
#1	-0.00069	0.01554	0.00006	0.00178	0.00028	-0.00003	0.00374	-0.02240	-0.00013
#2	0.00019	0.01826	-0.00226	0.00174	0.00028	-0.00004	0.00024	-0.02183	-0.00002
Mean	-0.00025	0.01690	-0.00110	0.00176	0.00028	-0.00004	0.00199	-0.02212	-0.00007
%RSD	248.73923	11.36944	148.59321	1.69441	0.00000	33.26632	124.41892	1.81808	101.66517

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
#1	-0.00053	-0.00050	-0.00039	-0.00180	0.24507	0.00519	-0.01726	0.00003	0.00057
#2	0.00013	-0.00031	-0.00007	-0.00132	0.24924	0.00520	-0.01581	0.00007	0.00015
Mean	-0.00020	-0.00041	-0.00023	-0.00156	0.24715	0.00519	-0.01654	0.00005	0.00036
%RSD	235.26836	34.44959	95.48749	21.69596	1.19512	0.09256	6.17960	52.48800	82.78798

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.22340	-0.00075	0.00097	-0.00210	-0.00055	-0.01547	-0.00220	-0.00302	0.00169
#2	0.22294	0.00035	0.00507	0.00121	-0.00169	-0.01547	-0.00052	-0.00147	0.00087
Mean	0.22317	-0.00020	0.00302	-0.00044	-0.00112	-0.01547	-0.00136	-0.00224	0.00128
%RSD	0.14755	385.03320	96.10261	530.15668	71.83259	0.00000	87.67102	48.77309	45.52521

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00408	-0.00080	-0.00057	-0.00105	-0.00025	0.00128	-0.00646	-0.00007	-0.01203
#2	-0.00193	0.00113	-0.00053	-0.00158	-0.00023	0.00077	0.00559	0.00004	-0.01203
Mean	-0.00301	0.00017	-0.00055	-0.00132	-0.00024	0.00103	-0.00044	-0.00001	-0.01203
%RSD	50.54283	811.20174	4.45527	28.42020	7.58515	35.31972	1940.78934	633.32360	0.00000

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00009	-0.00107	0.00012
#2	0.00029	-0.00072	0.00009
Mean	0.00019	-0.00089	0.00011
%RSD	75.06267	27.30027	22.45150

Method : Paragon
SampleId1 : IP090217-1MB
SampleId2 :
Analysis commenced : 2/18/2009 11:28:50
Dilution ratio : 1.00000 to 1.00000 Tray :
Printed : 2/18/2009 13:58:09
[SAMPLE]
Position : TUBE1

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00055	0.01558	-0.00092	0.00190	0.00023	0.00001	-0.00023	-0.01387	-0.00026
#2	0.00023	0.01623	0.00024	0.00195	0.00030	-0.00001	-0.00059	-0.01202	0.00000
Mean	-0.00016	0.01591	-0.00034	0.00192	0.00027	0.00000	-0.00041	-0.01295	-0.00013
%RSD	336.84755	2.89579	240.64359	1.54621	19.53712	857.61297	63.29739	10.09372	143.76560

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00024	-0.00056	-0.00032	0.00001	0.29500	0.00526	-0.02039	0.00003	-0.00071
#2	0.00022	0.00011	-0.00001	0.00033	0.30962	0.00529	-0.01991	0.00011	-0.00067
Mean	-0.00001	-0.00022	-0.00017	0.00017	0.30231	0.00527	-0.02015	0.00007	-0.00069
%RSD	2677.16518	213.57265	130.95529	133.93205	3.41989	0.39490	1.69052	76.56077	4.77357

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.22887	-0.00013	0.01144	-0.00278	0.00089	-0.02122	-0.00036	-0.00236	0.00002
#2	0.22946	0.00001	0.00813	0.00251	-0.00182	-0.02122	0.00034	0.00049	-0.00064
Mean	0.22917	-0.00006	0.00978	-0.00013	-0.00047	-0.02122	-0.00001	-0.00094	-0.00031
%RSD	0.17962	178.68416	23.97424	2797.26967	409.68427	0.00000	7791.15724	214.76593	148.64760

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#2	-0.00166	-0.00204	-0.00058	-0.00221	-0.00022	0.00041	-0.00517	-0.00020	-0.00548
Mean	0.00069	-0.00091	-0.00053	0.00086	0.00000	0.00255	0.00774	0.00039	-0.00450
%RSD	-0.00048	-0.00148	-0.00055	-0.00068	-0.00011	0.00148	0.00128	0.00009	-0.00499
	343.48401	54.29890	7.08379	321.35940	140.69314	102.60897	712.52342	452.28676	13.75736

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00004	-0.00033	-0.00078
#2	0.00026	-0.00038	-0.00026
Mean	0.00011	-0.00036	-0.00052
%RSD	199.11024	8.75871	69.98418

Method : Paragon
 File : 090218A
 SampleId1 : IP090217-11CS
 SampleId2 :
 Analysis commenced : 2/18/2009 11:30:42
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:10
 [SAMPLE]
 Position : TUBE2

Final concentrations

#1	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
#2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.00031	2.21718	2.08311	1.06128	1.99986	0.05260	0.00298	42.78608	0.05716
%RSD	0.00035	2.23021	2.09379	1.06140	2.01212	0.05267	0.00410	42.80021	0.05736
	0.00033	2.22370	2.08845	1.06134	2.00599	0.05264	0.00354	42.79315	0.05726
	7.84179	0.41447	0.36159	0.00844	0.43212	0.09529	22.25851	0.02334	0.25476

#1	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
#2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.51509	0.20300	0.24953	1.04022	39.02290	0.50554	42.69362	0.50175	1.04582
%RSD	0.51513	0.20410	0.25139	1.04194	39.28213	0.50930	42.81573	0.50314	1.05397
	0.51511	0.20355	0.25046	1.04108	39.15251	0.50742	42.75468	0.50244	1.04989
	0.00555	0.38310	0.52395	0.11656	0.46817	0.52376	0.20195	0.19474	0.54904

#1	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
#2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	39.71373	0.52565	0.01118	0.52081	0.51690	-0.00168	0.52957	2.19358	2.16966
%RSD	39.98554	0.52767	0.01031	0.52560	0.51981	-0.00858	0.53376	2.19448	2.18559
	39.84964	0.52666	0.01074	0.52321	0.51835	0.00513	0.53166	2.19403	2.17762
	0.48231	0.27083	5.74519	0.64775	0.39695	94.99297	0.55759	0.02889	0.51725

#1	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
#2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	2.07819	0.51594	0.51404	-0.01064	0.51029	2.18511	-0.00631	0.52902	0.53545
%RSD	2.09206	0.51820	0.51605	-0.01012	0.51286	2.19866	-0.00674	0.53130	0.53594
	2.08512	0.51707	0.51504	-0.01038	0.51158	2.19188	-0.00653	0.53016	0.53570
	0.47030	0.31016	0.27497	3.52945	0.35412	0.43718	4.67403	0.30388	0.06431

	Zr	Pb	Se
	ppm	calc	calc

#1	-0.00059	0.51820	2.17762	NCH
#2	-0.00068	0.52174	2.18855	
Mean	-0.00064	0.51997	2.18309	
%RSD	9.28196	0.48099	0.35381	

Method : Paragon
 File : 090218A
SampleId1 : 0902094-3 10X **SampleId2 :**
Analysis commenced : 2/18/2009 11:32:35
 Dilution ratio : 1.00000 to 1.00000 Tray :

Final concentrations

	Ag ppm	Al ppm	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca ppm	Cd ppm
#1	0.00312	0.35124	0.04355	0.00232	0.00404	0.00004	0.00028	0.99246	0.00101
#2	0.00345	0.35326	0.04583	0.00329	0.00407	0.00005	0.00018	0.99474	0.00086
Mean	0.00329	0.35225	0.04469	0.00281	0.00406	0.00004	0.00023	0.99360	0.00093
%RSD	6.97865	0.40623	3.61500	24.37145	0.42893	23.49479	28.45171	0.16221	11.75374

	Co ppm	Cr ppm	Cu ppm	Fe ppm	K ppm	Li ppm	Mg ppm	Mn ppm	Mo ppm
#1	0.00122	-0.00626	0.02660	-0.03030	3.80702	0.00761	0.08246	-0.00065	49.06517
#2	0.00125	-0.00649	0.02673	-0.02971	3.79158	0.00777	0.08029	-0.00065	48.98292
Mean	0.00124	-0.00637	0.02666	-0.03001	3.79930	0.00769	0.08137	-0.00065	49.02405
%RSD	1.62986	2.55897	0.34201	1.37566	0.28732	1.50021	1.88374	0.00000	0.11862

Printed : 2/18/2009 13:58:11
[SAMPLE]

Position : TUBE3

	Na ppm	Ni ppm	P ppm	Pb I ppm	Pb II ppm	S ppm	Sb ppm	Se I ppm	Se II ppm
#1	608.08655	0.00102	0.11221	0.00648	0.02024	0.68349	0.09848	0.02314	0.00957
#2	600.56656	0.00144	0.11413	0.00488	0.02072	0.68119	0.09191	0.02584	0.00974
Mean	604.32656	0.00123	0.11317	0.00568	0.02048	0.68234	0.09519	0.02449	0.00965
%RSD	0.87990	23.97182	1.20066	19.97624	1.66915	0.23837	4.87976	7.78681	1.24689

	Si ppm	Sn ppm	Sr ppm	Th ppm	Ti ppm	Tl ppm	U ppm	V ppm	Zn ppm
#1	0.18194	0.02245	0.01598	0.01398	-0.00003	0.00563	0.01378	0.00283	-0.00483
#2	0.18391	0.02132	0.01595	0.01429	0.00003	0.00463	0.01249	0.00272	-0.00604
Mean	0.18293	0.02188	0.01596	0.01413	0.00000	0.00513	0.01314	0.00277	-0.00543
%RSD	0.76082	3.66448	0.15379	1.58856	1272.43547	13.86745	6.95158	2.92226	15.78873

Method : Paragon
 File : 090218A
SampleId1 : 0902094-5 **SampleId2 :**
Analysis commenced : 2/18/2009 11:34:28

Printed : 2/18/2009 13:58:11
[SAMPLE]

Dilution ratio : 1.00000 to 1.00000 Tray :

Position : TUBE4

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00038	0.08895	0.00097	0.01162	0.02316	-0.00003	0.00323	10.94413	0.00614
#2	-0.00041	0.08938	-0.00168	0.01028	0.02311	-0.00004	-0.00028	10.91815	0.00601
Mean	-0.00002	0.08916	-0.00036	0.01095	0.02314	-0.00003	0.00148	10.93114	0.00607
%RSD	3616.05074	0.34085	527.34350	8.69524	0.15042	33.86145	167.76927	0.16808	1.53007

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00012	0.01962	0.03199	0.05550	0.78903	0.00833	2.05532	0.00240	0.04588
#2	-0.00027	0.01928	0.03134	0.05539	0.77896	0.00829	2.05822	0.00228	0.03869
Mean	-0.00019	0.01945	0.03167	0.05544	0.78399	0.00831	2.05677	0.00234	0.04228
%RSD	51.84668	1.24442	1.43547	0.13548	0.90817	0.36625	0.09948	3.45796	12.01849

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	6.67900	0.00295	0.20788	0.00394	0.00019	6.36222	-0.00044	-0.00139	0.00099
#2	6.67853	0.00219	0.20885	0.00244	0.00222	6.36454	-0.00115	-0.00031	0.00036
Mean	6.67876	0.00257	0.20837	0.00319	0.00120	6.36338	-0.00080	-0.00085	0.00067
%RSD	0.00498	20.99040	0.32625	33.22989	119.50143	0.02573	63.05179	89.21523	65.44436

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.65859	0.00034	0.13732	-0.00090	0.00009	0.00155	-0.00306	-0.00006	0.05651
#2	1.66297	-0.00114	0.13742	-0.00219	-0.00001	0.00178	0.00081	-0.00006	0.05764
Mean	1.66078	-0.00040	0.13737	-0.00155	0.00004	0.00167	-0.00112	-0.00006	0.05707
%RSD	0.18638	261.04755	0.05028	59.21015	179.27040	9.73207	243.80905	0.02463	1.40382

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00060	0.00144	0.00020
#2	-0.00066	0.00229	0.00014
Mean	-0.00063	0.00186	0.00017
%RSD	6.76518	32.42319	24.90234

Method : Paragon File : 090218A

SampleId1 : 0902102-1 SampleId2 :

Analysis commenced : 2/18/2009 11:36:20

Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:11

[SAMPLE]

Position : TUBE5

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00009	0.02470	0.01157	0.09467	0.04073	0.00009	0.00189	345.41991	0.00016
#2	-0.00026	0.01968	0.00864	0.09370	0.04076	0.00010	0.00253	344.54918	-0.00042

Mean	-0.00008	0.02219	0.01011	0.09418	0.04075	0.00010	0.00221	344.98455	-0.00013
%RSD	293.11471	15.99931	20.45764	0.72688	0.04272	4.93288	20.57311	0.17847	319.25277
	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00033	-0.00010	0.00097	0.00696	11.16294	0.05461	65.44209	0.00358	0.04105
#2	-0.00007	-0.00008	0.00104	0.00680	11.22729	0.05494	65.52924	0.00354	0.04030
Mean	0.00013	-0.00009	0.00100	0.00688	11.19511	0.05478	65.48567	0.00356	0.04067
%RSD	212.47342	14.21379	5.05704	1.63602	0.40642	0.43471	0.09411	0.75752	1.29809
	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	124.38691	0.00373	0.03074	0.00154	-0.00351	255.26541	0.00152	0.04396	0.04478
#2	124.57163	0.00351	0.02890	-0.00038	-0.00203	255.46226	-0.00219	0.04688	0.04711
Mean	124.47927	0.00362	0.02982	0.00058	-0.00277	255.36384	-0.00034	0.04542	0.04594
%RSD	0.10493	4.21665	4.34758	232.59860	37.68610	0.05451	779.72168	4.54879	3.57879
	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	6.68140	-0.00125	3.38712	-0.01914	-0.00123	0.00029	0.31286	0.27948	-0.01057
#2	6.71229	0.00181	3.41366	-0.01763	-0.00145	0.00086	0.30296	0.27852	-0.01090
Mean	6.69685	0.00028	3.40039	-0.01839	-0.00134	0.00057	0.30791	0.27900	-0.01073
%RSD	0.32610	765.84244	0.55191	5.80213	11.96131	71.23268	2.27287	0.24242	2.13173

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00135	-0.00183	0.04451
#2	-0.00177	-0.00148	0.04703
Mean	-0.00156	-0.00166	0.04577
%RSD	18.72178	14.82976	3.89934

Method : Paragon
 SampleId1 : 0902102-1D
 SampleId2 :
 Analysis commenced : 2/18/2009 11:38:12
 Dilution ratio : 1.00000 to 1.00000
 Tray :
 Printed : 2/18/2009 13:58:11
 [SAMPLE]
 Position : TUBE6

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00012	0.02249	0.01038	0.09281	0.04095	0.00007	0.00041	339.86714	-0.00026
#2	-0.00030	0.02409	0.01041	0.09551	0.04113	0.00007	-0.00023	340.80984	-0.00009
Mean	-0.00021	0.02329	0.01039	0.09416	0.04104	0.00007	0.00009	340.33849	-0.00017
%RSD	61.26044	4.87671	0.20717	2.02308	0.29686	3.72857	519.05794	0.19586	69.54086
	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00001	0.00152	0.00116	0.08487	11.20462	0.05488	65.02112	0.00304	0.03722
#2	-0.00049	0.00157	0.00058	0.08540	11.22959	0.05497	65.16793	0.00297	0.03647
Mean	-0.00025	0.00155	0.00087	0.08514	11.21711	0.05493	65.09453	0.00301	0.03685

%RSD	135.85591	2.38578	46.89247	0.44125	0.15741	0.11638	0.15947	1.79366	1.43286
	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	123.77357	0.00075	0.02716	-0.00010	-0.00122	254.28739	0.00207	0.04772	0.04377
#2	123.78787	0.00046	0.02585	-0.00041	-0.00016	255.32811	-0.00223	0.04317	0.04465
Mean	123.78072	0.00060	0.02650	-0.00026	-0.00069	254.80775	-0.00008	0.04544	0.04421
%RSD	0.00817	33.63759	3.49409	84.54012	107.92992	0.28881	3718.93838	7.08931	1.40596
	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	6.67610	-0.00011	3.40219	-0.01621	-0.00119	-0.00143	0.30678	0.27766	-0.01324
#2	6.69179	-0.00034	3.41320	-0.01549	-0.00124	0.00195	0.31109	0.27796	-0.01300
Mean	6.68394	-0.00023	3.40769	-0.01585	-0.00122	0.00026	0.30893	0.27781	-0.01312
%RSD	0.16600	70.40207	0.22863	3.18367	3.30128	909.69831	0.98486	0.07793	1.30797
	Zr	Pb	Se						
	ppm	calc	calc						
#1	-0.00174	-0.00085	0.04509						
#2	-0.00192	-0.00025	0.04416						
Mean	-0.00183	-0.00055	0.04462						
%RSD	6.88987	77.91773	1.47519						

Method : Paragon

File : 090218A

SampleId1 : 0902102-1L 5X

SampleId2 :

Analysis commenced : 2/18/2009 11:40:04

Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:12

[SAMPLE]

Position : TUBE7

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00069	0.01712	0.00109	0.01971	0.00877	0.00006	0.00551	65.65082	-0.00027
#2	0.00086	0.01554	0.00255	0.01937	0.00867	0.00005	0.00219	65.58474	0.00009
Mean	0.00077	0.01633	0.00182	0.01954	0.00872	0.00005	0.00385	65.61778	-0.00009
%RSD	15.86430	6.85322	56.72584	1.21858	0.79823	11.29001	60.89059	0.07121	271.51461
	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00014	-0.00018	0.00045	-0.00153	1.94009	0.01333	13.52631	0.00079	0.00789
#2	0.00003	-0.00040	0.00026	-0.00158	1.93400	0.01334	13.52631	0.00079	0.00829
Mean	0.00009	-0.00029	0.00035	-0.00156	1.93705	0.01334	13.52631	0.00079	0.00809
%RSD	94.15664	54.55191	39.41733	2.41066	0.22220	0.01201	0.00000	0.00000	3.46556
	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	22.16050	0.00081	0.00751	0.00033	-0.00291	52.83200	0.00042	0.01055	0.00707
#2	22.06212	0.00042	0.00690	0.00071	-0.00236	52.84176	0.00032	0.01023	0.00997
Mean	22.11131	0.00061	0.00721	0.00052	-0.00263	52.83688	0.00037	0.01039	0.00852
%RSD	0.31460	44.87703	5.99386	51.68805	14.86837	0.01306	19.93938	2.16780	24.00005

ted: 2/18/2009 13:58:30 User: ROY FRENCH

	Si	Sr	Th	Ti	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.38876	-0.00148	0.71159	-0.00034	0.06713	0.05959	-0.01195
#2	1.38078	0.00068	0.71066	-0.00033	0.07445	0.05974	-0.01187
Mean	1.38477	-0.00040	0.71112	-0.00033	0.07079	0.05967	-0.01191
%RSD	0.40726	381.97578	0.09286	3.28320	7.30824	0.18124	0.48043

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00020	-0.00183	0.00823
#2	-0.00012	-0.00133	0.01005
Mean	-0.00016	-0.00158	0.00914
%RSD	31.39321	22.17354	14.09866

Method : Paragon File : 090218A

SampleId1 : 0902102-1MS SampleId2 :

Analysis commenced : 2/18/2009 11:41:57

Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:12

[SAMPLE]

Position : TUBE8

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00021	2.21188	2.04872	1.13735	1.96847	0.04920	0.00043	392.68638	0.05525
#2	0.00035	2.21635	2.05086	1.14208	1.97158	0.04921	0.00301	392.19054	0.05477
Mean	0.00028	2.21412	2.04979	1.13971	1.97003	0.04920	0.00172	392.43846	0.05501
%RSD	36.13958	0.14285	0.07387	0.29338	0.11154	0.01712	106.19134	0.08934	0.60900

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48200	0.18865	0.24782	0.97857	57.94257	0.62835	107.79752	0.47370	1.03964
#2	0.48258	0.18905	0.24858	0.97905	58.12909	0.63036	107.88355	0.47389	1.03973
Mean	0.48229	0.18885	0.24820	0.97881	58.03583	0.62935	107.84054	0.47380	1.03969
%RSD	0.08447	0.15281	0.21865	0.03485	0.22726	0.22508	0.05641	0.02867	0.00639

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	164.87587	0.48903	0.02925	0.49035	0.48983	257.69677	0.51805	2.19885	2.17625
#2	165.01224	0.48671	0.03362	0.49562	0.48829	257.77857	0.51755	2.20721	2.19433
Mean	164.94405	0.48787	0.03143	0.49298	0.48906	257.73767	0.51780	2.20303	2.18529
%RSD	0.05846	0.33617	9.81959	0.75561	0.22288	0.02244	0.06713	0.26832	0.58485

	Si	Sn	Sr	Th	Ti	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	8.68901	0.50927	3.86676	-0.01651	0.48292	0.30919	0.77896	0.48211
#2	8.70269	0.50461	3.87094	-0.01552	0.48333	0.30962	0.77938	0.48057
Mean	8.69585	0.50694	3.86885	-0.01602	0.48312	0.30940	0.77917	0.48134
%RSD	0.11123	0.64944	0.07636	4.38958	0.06036	0.09827	0.03826	0.22656

	Zr	Pb	Se	Se
	ppm	calc	ppm	Se
			calc	Se
#1	-0.00328	0.49000	2.18378	
#2	-0.00324	0.49073	2.19862	
Mean	-0.00326	0.49037	2.19120	
%RSD	0.90595	0.10470	0.47888	

Method : Paragon
 File : 090218A
 SampleId1 : 0902102-1MSD
 SampleId2 :
 Analysis commenced : 2/18/2009 11:43:49
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:12
 [SAMPLE]
 Position : TUBE9

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00074	2.19272	2.02579	1.12523	1.95615	0.04836	0.00254	382.68303	0.05431
#2	0.00045	2.19806	2.03206	1.12528	1.95789	0.04850	0.00568	385.44263	0.05492
Mean	0.00060	2.19539	2.02892	1.12525	1.95702	0.04843	0.00411	384.06283	0.05461
%RSD	34.89671	0.17209	0.21844	0.00265	0.06297	0.21465	54.05628	0.50808	0.79726

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.47516	0.18629	0.24724	0.96367	57.66656	0.62540	106.06162	0.46671	1.02430
#2	0.47696	0.18656	0.24730	0.96571	57.64363	0.62472	106.34169	0.46844	1.03008
Mean	0.47606	0.18642	0.24727	0.96469	57.65510	0.62506	106.20166	0.46757	1.02719
%RSD	0.26814	0.10091	0.01572	0.14926	0.02812	0.07721	0.18647	0.26143	0.39777

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	162.81067	0.48154	0.03152	0.48689	0.47743	253.62606	0.51396	2.18246	2.16464
#2	162.83102	0.48335	0.02812	0.48926	0.47705	254.07614	0.51396	2.18148	2.16644
Mean	162.82084	0.48245	0.02982	0.48808	0.47724	253.85110	0.51396	2.18197	2.16554
%RSD	0.00884	0.26604	8.07407	0.34294	0.05618	0.12537	0.00101	0.03177	0.05883

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	8.57919	0.49792	3.84102	-0.01669	0.47652	2.06447	0.30877	0.76677	0.47075
#2	8.59932	0.49815	3.84428	-0.01605	0.47699	2.06863	0.32038	0.76876	0.47310
Mean	8.58925	0.49803	3.84265	-0.01637	0.47676	2.06655	0.31458	0.76777	0.47193
%RSD	0.16567	0.03217	0.05994	2.79440	0.06881	0.14222	2.61134	0.18352	0.35268

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00315	0.48058	2.17058
#2	-0.00308	0.48112	2.17145
Mean	-0.00312	0.48085	2.17101
%RSD	1.55787	0.07873	0.02851

Method : Paragon

File : 090218A

Printed : 2/18/2009 13:58:13

SampleId1 : 0902102-2 SampleId2 :
 Analysis commenced : 2/18/2009 11:45:41
 Dilution ratio : 1.00000 to 1.00000 Tray :

[SAMPLE]

Position : TUBE10

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00025	0.02866	0.00219	0.09433	0.03404	0.00015	0.00359	333.24405	-0.00003
#2	0.00022	0.02778	0.00496	0.09378	0.03414	0.00015	0.00839	332.74107	-0.00015
Mean	0.00023	0.02822	0.00357	0.09406	0.03409	0.00015	0.00599	332.99256	-0.00009
%RSD	8.31835	2.21761	54.84140	0.41140	0.20421	0.93502	56.57708	0.10681	92.72872

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00047	-0.00021	0.00046	17.50666	10.98049	0.05389	64.77822	0.12361	0.02079
#2	-0.00011	-0.00047	-0.00004	17.54189	11.02927	0.05407	64.88182	0.12392	0.01967
Mean	0.00018	-0.00034	0.00021	17.52428	11.00488	0.05398	64.83002	0.12376	0.02023
%RSD	224.11922	52.51641	169.24536	0.14214	0.31341	0.23391	0.11299	0.17462	3.91336

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	121.33912	0.00010	0.02043	0.00282	-0.00178	251.94944	-0.00099	0.02255	0.01723
#2	121.51024	0.00052	0.01284	-0.00146	-0.00093	252.71763	-0.00008	0.01853	0.01893
Mean	121.42468	0.00031	0.01664	0.00068	-0.00136	252.33354	-0.00053	0.02054	0.01808
%RSD	0.09965	95.18817	32.28066	444.80259	44.75126	0.21527	121.23700	13.81323	6.66835

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	6.14799	-0.00079	3.33458	-0.01234	-0.00110	-0.00054	0.13785	0.10046	-0.01324
#2	6.15833	-0.00068	3.35199	-0.01233	-0.00109	0.00183	0.12749	0.10077	-0.01316
Mean	6.15316	-0.00074	3.34329	-0.01234	-0.00110	0.00064	0.13267	0.10061	-0.01320
%RSD	0.11882	10.86227	0.36813	0.08564	0.33258	260.76612	5.51792	0.21979	0.43332

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00130	-0.00025	0.01900
#2	-0.00155	-0.00110	0.01880
Mean	-0.00142	-0.00068	0.01890
%RSD	12.77198	89.13984	0.74387

Method : Paragon File : 090218A
 SampleId1 : CCV SampleId2 :
 Analysis commenced : 2/18/2009 11:47:38
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:13
 [CV]

Position : STD6

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	0.21482	52.03607	0.48927	1.00679	0.96355	0.49057	0.51750	51.43637	0.50510
#2	0.21514	52.16067	0.49089	1.00843	0.96574	0.49217	0.51594	51.66560	0.50578
Mean	0.21498	52.09837	0.49008	1.00761	0.96465	0.49137	0.51672	51.55098	0.50544
%RSD	0.10491	0.16912	0.23393	0.11551	0.16079	0.23030	0.21329	0.31443	0.09544

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48097	0.95053	0.96371	20.39802	50.11626	0.51067	51.65822	0.94403	0.98090
#2	0.48312	0.95392	0.96423	20.47028	50.09150	0.51076	51.83471	0.94701	0.98522
Mean	0.48204	0.95223	0.96397	20.43415	50.10388	0.51071	51.74647	0.94552	0.98306
%RSD	0.31500	0.25236	0.03802	0.25004	0.03495	0.01315	0.24118	0.22291	0.31079

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.54036	0.97937	5.04389	0.97702	0.97704	4.98780	0.50484	1.01518	1.01701
#2	49.58282	0.98684	5.06069	0.97959	0.97571	4.96815	0.50654	1.02154	1.01454
Mean	49.56159	0.98310	5.05229	0.97831	0.97637	4.97797	0.50569	1.01836	1.01578
%RSD	0.06058	0.53665	0.23511	0.18597	0.09650	0.27914	0.23716	0.44150	0.17184

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.84170	0.98056	0.49395	0.15355	0.48233	0.51469	4.86677	0.49047	0.96287
#2	4.86011	0.98329	0.49482	0.15515	0.48382	0.51521	4.85857	0.49173	0.96955
Mean	4.85090	0.98193	0.49438	0.15435	0.48308	0.51495	4.86267	0.49110	0.96621
%RSD	0.26830	0.19637	0.12339	0.73164	0.21732	0.07203	0.11925	0.18115	0.48873

	Zr	Pb	Se
	ppm	calc	calc
#1	0.97170	0.97703	1.01640
#2	0.97403	0.97700	1.01687
Mean	0.97286	0.97702	1.01664
%RSD	0.16914	0.00231	0.03275

Method : Paragon
 File : 090218A
 SampleId1 : CCB
 SampleId2 :
 Analysis commenced : 2/18/2009 11:49:54
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:13
 [CB]

Position : STD2

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00002	0.02424	-0.00037	0.00161	0.00025	0.00001	-0.00225	-0.01970	0.00004
#2	-0.00073	0.01962	-0.00095	0.00190	0.00023	0.00000	0.00374	-0.02084	-0.00049
Mean	-0.00037	0.02193	-0.00066	0.00176	0.00024	0.00001	0.00074	-0.02027	-0.00023
%RSD	134.76619	14.90246	62.00972	11.86087	7.17300	117.97750	570.71449	3.96772	164.08044

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00001	-0.00030	-0.00052	-0.00190	0.30184	0.00531	-0.01630	0.00011	0.00015

#2	-0.00004	-0.00054	-0.00064	-0.00222	0.29462	0.00530	-0.02063	0.00003	-0.00018
Mean	-0.00003	-0.00042	-0.00058	-0.00206	0.29823	0.00531	-0.01846	0.00007	-0.00001
%RSD	77.97195	40.41077	15.10332	10.92545	1.71083	0.15091	16.60402	76.56077	1581.72926

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.24094	-0.00047	0.00236	0.00087	-0.00110	-0.00858	0.00074	0.00299	0.00007
#2	0.24017	-0.00078	0.00071	-0.00151	-0.00078	-0.01088	-0.00329	-0.00013	0.00254
Mean	0.24056	-0.00062	0.00153	-0.00032	-0.00094	-0.00973	-0.00128	0.00143	0.00131
%RSD	0.22820	34.16969	76.41392	533.04887	24.28038	16.70402	222.87059	154.79436	133.58802

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00658	0.00056	-0.00051	-0.00190	-0.00029	0.00057	-0.00345	0.00041	-0.01373
#2	-0.00625	-0.00148	-0.00054	-0.00118	-0.00023	0.00037	-0.00948	-0.00013	-0.01284
Mean	-0.00642	-0.00046	-0.00052	-0.00154	-0.00026	0.00047	-0.00646	0.00014	-0.01328
%RSD	3.70632	316.78787	4.69176	32.93593	18.16273	29.77116	65.90957	270.34490	4.73746

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00033	-0.00044	0.00104
#2	0.00007	-0.00102	0.00165
Mean	0.00020	-0.00073	0.00135
%RSD	92.20560	55.77475	31.80662

Method : Paragon
 File : 090218A
 SampleId1 : 0902102-3
 SampleId2 :
 Analysis commenced : 2/18/2009 11:52:01
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:13
 [SAMPLE]
 Position : TUBE11

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00001	0.03503	0.00304	0.09223	0.03045	0.00012	0.00634	323.02205	0.00052
#2	-0.00038	0.03548	0.00024	0.09319	0.03047	0.00011	-0.00039	323.03890	0.00041
Mean	-0.00018	0.03526	0.00164	0.09271	0.03046	0.00012	0.00297	323.03048	0.00047
%RSD	149.16798	0.90070	120.84166	0.73843	0.05714	7.03956	160.17158	0.00369	16.75093

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00005	-0.00027	-0.00089	23.71021	10.96110	0.05364	64.11808	0.15525	0.01613
#2	-0.00002	-0.00053	-0.00057	23.72591	10.97454	0.05375	64.20068	0.15571	0.01622
Mean	-0.00004	-0.00040	-0.00073	23.71806	10.96782	0.05369	64.15938	0.15548	0.01617
%RSD	52.70489	45.27483	31.45703	0.04679	0.08666	0.14288	0.09103	0.20860	0.40794

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	122.53149	0.00060	0.01520	0.00003	-0.00300	247.21183	-0.00060	0.01425	0.00536
#2	122.58105	0.00020	0.01048	-0.00054	-0.00187	247.14806	0.00076	0.00992	0.00836

Mean	122.55627	0.00040	0.01284	-0.00025	247.17995	0.00008	0.01209	0.00686
%RSD	0.02860	70.60305	25.96182	160.66693	0.01824	1149.72582	25.34745	30.99869

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	5.76430	-0.00068	3.25019	-0.01248	-0.00103	-0.00014	0.06691	0.02813	-0.01219
#2	5.77794	-0.00034	3.25581	-0.01190	-0.00126	0.00096	0.06174	0.02817	-0.01114
Mean	5.77112	-0.00051	3.25300	-0.01219	-0.00115	0.00041	0.06433	0.02815	-0.01166
%RSD	0.16714	47.08392	0.12222	3.36208	14.00771	188.79499	5.68908	0.10366	6.37551

Method : Paragon
 File : 090218A
 SampleId1 : 0902102-4
 SampleId2 :
 Analysis commenced : 2/18/2009 11:53:54
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:14

[SAMPLE]

Position : TUBE12

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00046	0.04122	-0.00071	0.06508	0.04854	0.00015	0.00366	336.57904	-0.00029
#2	0.00054	0.04386	0.00018	0.06503	0.04863	0.00015	0.00329	336.21571	-0.00016
Mean	0.00004	0.04254	-0.00026	0.06505	0.04859	0.00015	0.00347	336.39737	-0.00022
%RSD	1735.55966	4.37920	236.62895	0.04575	0.14331	1.13343	7.48145	0.07637	42.20121

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00017	-0.00015	0.00087	0.33073	4.18771	0.04250	54.19620	0.04263	0.00267
#2	0.00000	0.00026	0.00023	0.33068	4.19152	0.04250	54.19148	0.04271	0.00222
Mean	0.00009	0.00006	0.00055	0.33070	4.18961	0.04250	54.19384	0.04267	0.00245
%RSD	141.23712	526.16829	83.34978	0.01139	0.06436	0.00000	0.00615	0.12644	12.81073

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	69.56188	0.00055	0.01450	0.00074	-0.00248	237.98706	-0.00218	0.00188	0.00073
#2	69.49752	0.00081	0.01406	0.00101	-0.00192	237.78845	-0.00126	-0.00006	0.00175
Mean	69.52970	0.00068	0.01428	0.00088	-0.00220	237.88775	-0.00172	0.00091	0.00124
%RSD	0.06546	27.05614	2.16141	21.87293	17.71284	0.05903	37.67587	150.87422	58.06949

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	5.87874	0.00023	3.09251	-0.01245	-0.00083	-0.00193	0.02215	0.00749	-0.00895
#2	5.87601	-0.00045	3.09232	-0.01448	-0.00085	0.00197	0.03118	0.00745	-0.00895
Mean	5.87737	-0.00011	3.09241	-0.01347	-0.00084	0.00002	0.02667	0.00747	-0.00895

%RSD	0.03283	419.19706	0.00442	10.67062	2.17423	13773.93723	23.96796	0.36207	0.00000
	Zr	Pb	Se						
	ppm	calc	calc						
#1	-0.00173	-0.00140	0.00112						
#2	-0.00147	-0.00095	0.00115						
Mean	-0.00160	-0.00117	0.00113						
%RSD	11.69907	27.56899	2.05945						

Method : Paragon File : 090218A
SampleId1 : 0902102-5 **SampleId2 :**
Analysis commenced : 2/18/2009 11:55:47
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:14
[SAMPLE]
Position : TUBE13

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00008	0.03980	0.00222	0.06604	0.04827	0.00016	0.00218	338.96605	-0.00029
#2	0.00018	0.03514	-0.00101	0.06495	0.04834	0.00016	0.00292	338.74012	0.00011
Mean	0.00013	0.03747	0.00060	0.06550	0.04830	0.00016	0.00255	338.85308	-0.00009
%RSD	56.53197	8.80287	377.89559	1.18148	0.10811	1.51845	20.47613	0.04715	314.67331

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00000	-0.00032	0.00049	0.24545	4.21555	0.04258	54.52933	0.03779	0.00180
#2	0.00009	-0.00022	0.00029	0.24571	4.21536	0.04257	54.49805	0.03775	0.00164
Mean	0.00004	-0.00027	0.00039	0.24558	4.21545	0.04258	54.51369	0.03777	0.00172
%RSD	143.31675	24.46530	35.32366	0.07661	0.00320	0.01502	0.04057	0.07142	6.70028

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	70.81449	0.00088	0.01493	-0.00078	-0.00163	239.57841	-0.00072	0.00375	0.00438
#2	70.74652	0.00056	0.01354	-0.00057	-0.00231	238.86386	0.00058	0.00045	0.00044
Mean	70.78050	0.00072	0.01424	-0.00067	-0.00197	239.22114	-0.00007	0.00210	0.00241
%RSD	0.06790	31.08619	6.93772	21.79928	24.48465	0.21121	1373.38363	111.09960	115.63403

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	5.88793	-0.00170	3.10065	-0.01198	-0.00077	0.00075	0.02393	0.00655	-0.00984
#2	5.89739	0.00068	3.09836	-0.01280	-0.00085	0.00040	0.02737	0.00674	-0.00944
Mean	5.89266	-0.00051	3.09950	-0.01239	-0.00081	0.00057	0.02565	0.00665	-0.00964
%RSD	0.11351	329.09647	0.05219	4.66480	6.72960	43.67115	9.49255	2.03345	2.96652

	Zr	Pb	Se						
	ppm	calc	calc						
#1	-0.00170	-0.00134	0.00417						
#2	-0.00165	-0.00173	0.00044						
Mean	-0.00168	-0.00154	0.00231						
%RSD	2.34500	17.73646	114.25935						

ted: 2/18/2009 13:58:30 **User: ROY FRENCH**
Method : Paragon File : 090218A
SampleId1 : 0902102-6 **SampleId2 :**
Analysis commenced : 2/18/2009 11:57:41
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:15
[SAMPLE]
Position : TUBE14

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00024	0.06272	0.01056	0.09774	0.04093	0.00016	-0.00014	349.30378	-0.00015
#2	-0.00096	0.06210	0.00950	0.09778	0.04098	0.00015	-0.00061	346.74405	-0.00046
Mean	-0.00036	0.06241	0.01003	0.09776	0.04095	0.00015	-0.00037	348.02392	-0.00030
%RSD	234.02121	0.71268	7.51514	0.03045	0.08499	2.25893	88.42496	0.52008	72.45791

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00002	0.00021	0.00103	0.04137	11.02754	0.05389	66.03325	0.00995	0.03570
#2	-0.00081	-0.00058	0.00073	0.04057	11.03484	0.05393	65.76250	0.00991	0.03451
Mean	-0.00040	-0.00018	0.00088	0.04097	11.03119	0.05391	65.89788	0.00993	0.03511
%RSD	147.40663	302.68637	24.20499	1.37478	0.04678	0.05039	0.29053	0.27162	2.39666

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	123.41809	0.00071	0.02803	-0.00164	-0.00059	257.28053	-0.00114	0.04889	0.04759
#2	123.13964	0.00045	0.02742	-0.00425	0.00148	256.64108	-0.00240	0.04268	0.04612
Mean	123.27886	0.00058	0.02772	-0.00295	0.00044	256.96081	-0.00177	0.04578	0.04686
%RSD	0.15971	31.78590	1.55870	62.69894	330.71440	0.17596	50.15302	9.59418	2.22481

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	6.75651	-0.00012	3.37188	-0.01247	-0.00034	-0.00029	0.31112	0.28105	-0.00734
#2	6.74038	-0.00159	3.38036	-0.01225	-0.00049	-0.00011	0.28745	0.27868	-0.00879
Mean	6.74845	-0.00085	3.37612	-0.01236	-0.00041	-0.00020	0.29928	0.27987	-0.00806
%RSD	0.16906	122.28364	0.17764	1.26972	24.71436	63.31492	5.59181	0.59936	12.76881

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00195	-0.00094	0.04803
#2	-0.00243	-0.00043	0.04497
Mean	-0.00219	-0.00069	0.04650
%RSD	15.30580	52.46469	4.64111

Method : Paragon File : 090218A
SampleId1 : 0902102-7 **SampleId2 :**
Analysis commenced : 2/18/2009 11:59:34
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:15
[SAMPLE]
Position : TUBE15

Final concentrations

	Al	Ag	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.03378	0.00022	0.00073	0.09665	0.03318	0.00019	0.00414	338.32190	-0.00022
#2	0.02545	-0.00034	0.00079	0.09437	0.03305	0.00017	0.00026	335.33376	-0.00027
Mean	0.02962	-0.00006	0.00076	0.09551	0.03312	0.00018	0.00220	336.82783	-0.00025
%RSD	19.89467	682.30990	5.69468	1.68291	0.26276	6.78494	124.42135	0.62730	14.46762

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00005	-0.00018	0.00035	18.50626	11.02274	0.05395	65.66834	0.12479	0.02063
#2	-0.00062	-0.00066	-0.00054	18.41387	11.02793	0.05397	65.30600	0.12403	0.02042
Mean	-0.00034	-0.00042	-0.00010	18.46006	11.02533	0.05396	65.48717	0.12441	0.02053
%RSD	120.49917	81.23989	640.79606	0.35390	0.03325	0.03258	0.39124	0.43427	0.72333

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	122.50763	0.00075	0.01633	0.00031	-0.00143	254.72748	-0.00127	0.02073	0.01484
#2	122.19631	-0.00016	0.00559	-0.00396	0.00033	253.31590	-0.00154	0.01626	0.01710
Mean	122.35197	0.00030	0.01096	-0.00183	-0.00055	254.02169	-0.00140	0.01849	0.01597
%RSD	0.17992	216.85414	69.25855	165.53835	224.51516	0.39293	13.61990	17.10738	9.99597

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	6.21680	0.00057	3.33055	-0.01006	-0.00109	-0.00030	0.12339	0.08681	-0.01009
#2	6.19080	-0.00057	3.31899	-0.01077	-0.00120	-0.00327	0.11227	0.08608	-0.01041
Mean	6.20380	0.00000	3.32477	-0.01042	-0.00115	-0.00179	0.11783	0.08645	-0.01025
%RSD	0.29640	79509.39090	0.24582	4.80767	6.36714	117.52378	6.67730	0.59329	2.23271

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00149	-0.00085	0.01680
#2	-0.00198	-0.00110	0.01682
Mean	-0.00174	-0.00098	0.01681
%RSD	20.35128	18.24902	0.06894

Method : Paragon
File : 090218A
sampleId1 : 0902111-1 10X sampleId2 :
Analysis commenced : 2/18/2009 12:01:26
Dilution ratio : 1.00000 to 1.00000 Tray :
Position : TUBE16

Printed : 2/18/2009 13:58:15

[SAMPLE]

Position : TUBE16

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00042	0.03666	0.00051	1.35895	6.47021	0.00010	0.00365	17.83523	-0.00022
#2	0.00070	0.03318	-0.00052	1.36736	6.48702	0.00011	0.00532	17.92741	-0.00005
Mean	0.00056	0.03492	-0.00001	1.36316	6.47861	0.00011	0.00448	17.88132	-0.00014
%RSD	36.06768	7.03688	14491.03065	0.43611	0.18344	5.96401	26.21090	0.36453	86.76677

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#2	0.00031	0.00003	0.00025	1.19478	39.43686	0.74447	2.06256	0.02478	0.00045
	-0.00007	-0.00008	0.00044	1.20004	39.42817	0.74419	2.08281	0.02505	0.00115
Mean	0.00012	-0.00002	0.00034	1.19741	39.43251	0.74433	2.07269	0.02491	0.00080
%RSD	220.97915	365.43896	39.26922	0.31082	0.01559	0.02652	0.69104	0.75775	61.71283

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	473.14482	-0.00033	-0.96991	0.00445	-0.00314	0.47650	0.00063	-0.00268	-0.00104
#2	469.72140	-0.00011	-1.08019	0.00170	-0.00336	0.47535	-0.00062	0.00575	-0.00059
Mean	471.43311	-0.00022	-1.02505	0.00307	-0.00325	0.47593	0.00000	0.00153	-0.00082
%RSD	0.51348	68.61870	7.60740	63.28505	4.76942	0.17083	18452.77145	388.05067	39.35560

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	5.27463	-0.00034	3.25922	-0.00266	-0.00001	-0.00058	0.00434	0.00020	-0.01462
#2	5.29281	0.00113	3.26477	0.00032	0.00028	0.00364	0.00778	0.00020	-0.01397
Mean	5.28372	0.00039	3.26200	-0.00117	0.00014	0.00153	0.00606	0.00020	-0.01429
%RSD	0.24338	264.24258	0.12040	180.29634	152.73606	195.34260	40.12563	0.35986	3.20165

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00184	-0.00061	-0.00159
#2	-0.00189	-0.00167	0.00152
Mean	-0.00187	-0.00114	-0.00003
%RSD	1.89980	65.61732	6634.30027

Method : Paragon
SampleId1 : EX090216-6MB
SampleId2 :
Analysis commenced : 2/18/2009 12:03:19
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:16
[SAMPLE]

Position : TUBE17

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00069	0.02970	-0.00284	0.00359	0.00454	-0.00004	0.00079	0.00063	-0.00007
#2	0.00038	0.03232	0.00018	0.00359	0.00449	-0.00006	0.00014	0.00134	-0.00025
Mean	-0.00016	0.03101	-0.00133	0.00359	0.00451	-0.00005	0.00047	0.00099	-0.00016
%RSD	480.47621	5.96932	160.31645	0.00000	0.77131	29.75115	97.43948	51.01194	81.34547

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00100	-0.00046	-0.00077	0.00081	0.24146	0.00521	-0.02063	0.00022	-0.00076
#2	-0.00032	-0.00022	-0.00013	0.00128	0.24488	0.00521	-0.01581	0.00026	-0.00057
Mean	-0.00066	-0.00034	-0.00045	0.00104	0.24317	0.00521	-0.01822	0.00024	-0.00067
%RSD	73.09795	49.79207	99.65913	32.35749	0.99385	0.00000	18.69276	11.14051	19.76129

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	111.53823	-0.00009	-0.05472	-0.00372	-0.00047	-0.01318	-0.00313	-0.00139	0.00322
#2	111.44092	0.00009	-0.03805	-0.00122	-0.00116	-0.01318	-0.00183	0.00411	0.00254
Mean	111.48957	0.00000	-0.04638	-0.00247	-0.00082	-0.01318	-0.00248	0.00136	0.00288
%RSD	0.06172	19871.45949	25.41119	71.64518	59.31462	0.00000	37.21162	286.60132	16.71124

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.02077	-0.00046	-0.00026	0.00009	-0.00034	-0.00070	-0.01077	-0.00034	-0.01502
#2	0.02266	-0.00023	-0.00023	-0.00002	-0.00019	-0.00585	-0.00216	-0.00018	-0.01559
Mean	0.02171	-0.00034	-0.00024	0.00004	-0.00026	-0.00328	-0.00647	-0.00026	-0.01530
%RSD	6.16754	46.82381	8.11470	206.90870	40.51685	111.21722	94.12553	41.48526	2.61632

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00024	-0.00156	0.00168
#2	0.00006	-0.00118	0.00306
Mean	-0.00009	-0.00137	0.00237
%RSD	230.16538	19.45542	41.03964

Method : Paragon File : 090218A
SampleId1 : EX090216-6LCS SampleId2 :
Analysis commenced : 2/18/2009 12:05:12
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:16
[SAMPLE]

Position : TUBE18

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09418	2.13195	1.97417	0.98100	1.95256	0.04880	-0.00176	0.00319	0.05432
#2	0.09464	2.14198	1.96474	0.97897	1.95097	0.04874	0.00350	0.00333	0.05451
Mean	0.09441	2.13697	1.96946	0.97999	1.95176	0.04877	0.00087	0.00326	0.05441
%RSD	0.34437	0.33186	0.33848	0.14616	0.05765	0.08037	428.44811	3.08366	0.23957

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.50547	0.19832	0.24800	1.01309	0.29614	0.00533	-0.01822	0.48707	1.01777
#2	0.50507	0.19824	0.24851	1.01212	0.29804	0.00534	-0.01557	0.48734	1.01970
Mean	0.50527	0.19828	0.24825	1.01261	0.29709	0.00533	-0.01690	0.48721	1.01873
%RSD	0.05651	0.02558	0.14427	0.06739	0.45195	0.09012	11.08703	0.03904	0.13368

	Na	Ni	P	Pb	Pb	S	Sb	Se	I
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	113.03698	0.52204	-0.00095	0.50027	0.50080	-0.01892	0.49783	1.97976	1.97864
#2	113.40488	0.52394	-0.00017	0.50317	0.49670	-0.01547	0.49676	1.97316	1.97455
Mean	113.22093	0.52299	-0.00056	0.50172	0.49875	-0.01720	0.49730	1.97646	1.97660
%RSD	0.22976	0.25714	99.15745	0.40827	0.58074	14.17387	0.15220	0.23595	0.14619

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.94626	0.50506	0.49897	0.00090	0.49055	2.10398	-0.00888	0.51240	0.50874

#2	1.94922	0.50619	0.49864	0.00081	0.49086	2.10110	-0.00199	0.51106	0.50817
Mean	1.94774	0.50563	0.49881	0.00085	0.49071	2.10254	-0.00543	0.51173	0.50846
%RSD	0.10752	0.15874	0.04712	6.87171	0.04531	0.09688	89.62584	0.18518	0.07903

Zr	Pb	Se
ppm	calc	
#1	-0.00138	1.97901
#2	-0.00113	1.97409
Mean	-0.00125	1.97655
%RSD	14.00996	0.17608

Method : Paragon
File : 090218A
SampleId1 : EX090216-6LCSD
SampleId2 :
Analysis commenced : 2/18/2009 12:07:04
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:16
[SAMPLE]
Position : TUBE19

Final concentrations

Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09443	1.97287	0.98357	1.96178	0.04875	-0.00333	-0.00292	0.05489
#2	0.09475	1.96648	0.98383	1.95908	0.04869	-0.00102	-0.00221	0.05459
Mean	0.09459	1.96968	0.98370	1.96043	0.04872	-0.00217	-0.00257	0.05474
%RSD	0.23593	0.22934	0.01820	0.09749	0.08037	75.07592	19.56659	0.38180

Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.50606	0.24941	1.01341	0.29064	0.00531	-0.02111	0.48423	1.02381
#2	0.50568	0.24934	1.01234	0.29348	0.00532	-0.01822	0.48415	1.02258
Mean	0.50587	0.24938	1.01287	0.29206	0.00532	-0.01967	0.48419	1.02320
%RSD	0.05245	0.02023	0.07486	0.68959	0.15059	10.39153	0.01122	0.08441

Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	113.80312	0.52220	0.50562	0.50093	-0.01318	0.50186	1.97853	1.98350
#2	113.96117	0.52133	0.50273	0.50192	-0.01433	0.50152	1.98382	1.98399
Mean	113.88215	0.52176	0.50417	0.50143	-0.01375	0.50169	1.98117	1.98374
%RSD	0.09814	0.11716	0.40543	0.14066	5.90912	0.04718	0.18883	0.01731

Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.94471	0.50392	0.00089	0.49200	2.11575	-0.01533	0.51361	0.50923
#2	1.94779	0.50631	0.00254	0.49162	2.11550	-0.00586	0.51300	0.50752
Mean	1.94625	0.50511	0.00171	0.49181	2.11562	-0.01060	0.51330	0.50838
%RSD	0.11181	0.33387	68.06175	0.05411	0.00848	63.17827	0.08441	0.23714

Zr	Pb	Se
ppm	calc	
#1	-0.00181	1.98184
#2	-0.00179	1.98393

Mean -0.00180 0.50234 1.98289NCH
%RSD 0.76139 0.04185 0.07437

Method : Paragon
SampleId1 : 0901256-5 File : 090218A
SampleId2 :
Analysis commenced : 2/18/2009 12:08:57
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:17
[SAMPLE]
Position : TUBE20

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00221	0.09759	-0.00238	0.08111	0.06619	0.00002	-0.01028	14.60988	-0.00066
#2	-0.00172	0.09911	-0.00418	0.08187	0.06636	0.00002	-0.00991	14.62961	-0.00048
Mean	-0.00197	0.09835	-0.00328	0.08149	0.06627	0.00002	-0.01010	14.61975	-0.00057
%RSD	17.64358	1.09316	38.74828	0.65743	0.18389	7.69843	2.61329	0.09543	22.67226
	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00141	-0.00122	-0.00121	0.37862	57.73475	0.07350	9.22530	0.08198	0.00976
#2	-0.00104	-0.00075	-0.00058	0.37920	57.88442	0.07367	9.22772	0.08229	0.01037
Mean	-0.00122	-0.00098	-0.00089	0.37891	57.80959	0.07359	9.22651	0.08214	0.01006
%RSD	21.50696	33.72788	49.90950	0.10938	0.18307	0.15839	0.01856	0.26294	4.26206

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	327.34639	0.00161	-0.04834	-0.01175	0.00812	36.24846	-0.00701	-0.00969	0.00871
#2	325.95151	0.00082	-0.04625	-0.00923	0.00636	36.24007	-0.00619	-0.00838	0.00686
Mean	326.64895	0.00122	-0.04730	-0.01049	0.00724	36.24426	-0.00660	-0.00904	0.00778
%RSD	0.30195	46.00155	3.13114	16.99435	17.12901	0.01636	8.75869	10.28342	16.74282

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.27217	-0.00545	0.90463	-0.00262	0.00073	-0.00472	-0.01748	0.00004	0.03312
#2	1.27966	-0.00647	0.90597	-0.00225	0.00080	-0.00653	-0.00543	0.00042	0.03296
Mean	1.27592	-0.00596	0.90530	-0.00243	0.00077	-0.00563	-0.01146	0.00023	0.03304
%RSD	0.41501	12.11623	0.10430	10.64154	7.14785	22.73757	74.36855	116.07510	0.34639

	Zr	Pb	Se
	ppm	calc	calc
#1	0.14299	0.00150	0.00258
#2	0.14362	0.00117	0.00179
Mean	0.14331	0.00134	0.00218
%RSD	0.31154	17.48073	25.64968

Method : Paragon
SampleId1 : CCV File : 090218A
SampleId2 :
Analysis commenced : 2/18/2009 12:10:54
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:17
[CV]
Position : STD6

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.21621	52.11850	0.48897	1.00543	0.95934	0.49019	0.52337	51.72946	0.50931
#2	0.21681	52.09923	0.49120	1.00721	0.96123	0.49059	0.51814	51.68709	0.50735
Mean	0.21651	52.10886	0.49008	1.00632	0.96028	0.49039	0.52076	51.70828	0.50833
%RSD	0.19561	0.02615	0.32221	0.12455	0.13949	0.05785	0.70948	0.05794	0.27329
	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48348	0.95306	0.96371	20.41525	50.11666	0.51002	51.74646	0.94410	0.98428
#2	0.48283	0.95382	0.96543	20.42858	50.05935	0.51015	51.79530	0.94476	0.98555
Mean	0.48316	0.95344	0.96457	20.42191	50.08800	0.51008	51.77088	0.94443	0.98491
%RSD	0.09603	0.05622	0.12608	0.04616	0.08091	0.01745	0.06670	0.04927	0.09104
	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.28787	0.98430	5.00859	0.98328	0.96866	4.94387	0.50724	1.01007	1.00847
#2	49.29624	0.98324	5.03922	0.98294	0.97538	4.96121	0.50698	1.01247	1.01109
Mean	49.29206	0.98377	5.02390	0.98311	0.97202	4.95254	0.50711	1.01127	1.00978
%RSD	0.01202	0.07572	0.43108	0.02458	0.48910	0.24756	0.03721	0.16771	0.18348
	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.83127	0.98329	0.49190	0.15394	0.48123	0.51443	4.86761	0.49143	0.95970
#2	4.83595	0.98523	0.49286	0.15362	0.48134	0.51772	4.87747	0.49186	0.95970
Mean	4.83361	0.98426	0.49238	0.15378	0.48128	0.51607	4.87254	0.49164	0.95970
%RSD	0.06852	0.13884	0.13709	0.14787	0.01742	0.44989	0.14306	0.06094	0.00000

Printed : 2/18/2009 13:58:17

[CB]

Position : STD2

Method : Paragon File : 090218A

SampleId1 : CCB SampleId2 :

Analysis commenced : 2/18/2009 12:13:12

Dilution ratio : 1.00000 to 1.00000 Tray :

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00130	0.02576	-0.00150	0.00144	0.00023	0.00002	-0.00364	-0.02326	-0.00022
#2	0.00027	0.03115	-0.00116	0.00140	0.00030	0.00001	0.00291	-0.02183	0.00015
Mean	-0.00051	0.02845	-0.00133	0.00142	0.00027	0.00002	-0.00037	-0.02255	-0.00003
%RSD	215.12761	13.40560	17.81280	2.09626	19.53712	37.61973	1269.49458	4.45920	810.28515

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	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00058	-0.00090	-0.00102	-0.00196	0.29804	0.00532	-0.02183	0.00003	0.00010
#2	-0.00010	-0.00044	-0.00071	-0.00158	0.31171	0.00535	-0.01630	0.00003	-0.00001
Mean	-0.00034	-0.00067	-0.00086	-0.00177	0.30488	0.00534	-0.01907	0.00003	0.00004
%RSD	100.88293	48.31821	25.38033	14.84960	3.17094	0.45042	20.54616	0.00000	188.64924

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.25193	-0.00138	-0.00383	-0.00414	0.00034	-0.01547	-0.00154	-0.00302	0.00209
#2	0.25154	0.00027	0.00481	-0.00090	-0.00204	-0.01547	-0.00193	-0.00148	0.00274
Mean	0.25174	-0.00055	0.00049	-0.00252	-0.00085	-0.01547	-0.00174	-0.00225	0.00241
%RSD	0.10905	211.44849	1253.96302	91.13739	197.21714	0.00000	15.67854	48.63001	19.11721

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00999	-0.00284	-0.00061	-0.00291	-0.00043	-0.00057	-0.01378	-0.00091	-0.01510
#2	-0.00803	-0.00125	-0.00054	-0.00085	-0.00021	0.00466	-0.00130	0.00004	-0.01437
Mean	-0.00901	-0.00204	-0.00057	-0.00188	-0.00032	0.00204	-0.00754	-0.00043	-0.01474
%RSD	15.31972	54.93523	8.53413	77.39465	48.56249	181.00172	117.04325	155.95042	3.49311

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00010	-0.00116	0.00038
#2	0.00011	-0.00166	0.00133
Mean	0.00000	-0.00141	0.00086
%RSD	3402.22179	25.27563	78.18874

Method : Paragon File : 090218A
SampleId1 : 0901256-6 SampleId2 :
Analysis commenced : 2/18/2009 12:15:18
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:18

[SAMPLE]

Position : TUBE21

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00031	0.05948	0.00219	0.16009	0.07572	0.00005	0.00412	20.34007	0.00029
#2	0.00081	0.05748	-0.00061	0.16076	0.07537	0.00004	0.00384	20.32220	0.00011
Mean	0.00056	0.05848	0.00079	0.16042	0.07555	0.00005	0.00398	20.33113	0.00020
%RSD	63.15306	2.41781	251.81222	0.29692	0.32270	2.89508	4.89310	0.06215	64.43001

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00069	0.00210	0.00197	0.96437	77.95281	0.10106	8.26626	0.03199	0.00299
#2	0.00086	0.00204	0.00228	0.96319	77.35075	0.10017	8.23891	0.03199	0.00274
Mean	0.00078	0.00207	0.00213	0.96378	77.65178	0.10062	8.25258	0.03199	0.00287
%RSD	15.50695	1.91440	10.56231	0.08649	0.54824	0.62593	0.23430	0.00000	6.33026

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	265.63503	0.00559	-0.01291	0.00255	-0.00233	10.46395	0.00074	0.00357	0.00035
#2	263.41454	0.00561	-0.01728	0.00360	-0.00202	10.39997	0.00058	0.00223	0.00094
Mean	264.52479	0.00560	-0.01509	0.00308	-0.00217	10.43196	0.00066	0.00290	0.00065
%RSD	0.59356	0.18152	20.44542	24.10114	10.18928	0.43372	17.69471	32.82220	65.09661

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.31140	-0.00057	1.66116	-0.00590	-0.00011	0.00182	0.01268	0.00126	-0.01575
#2	1.30455	-0.00091	1.65080	-0.00510	-0.00006	0.00072	0.01569	0.00147	-0.01534
Mean	1.30798	-0.00074	1.65598	-0.00550	-0.00009	0.00127	0.01418	0.00137	-0.01555
%RSD	0.37042	32.54188	0.44227	10.34667	38.31108	61.20573	15.02467	10.84896	1.83963

	Zr	Pb	Se
	ppm	calc	calc
#1	0.13406	-0.00070	0.00142
#2	0.13398	-0.00014	0.00137
Mean	0.13402	-0.00042	0.00140
%RSD	0.04121	93.19432	2.59391

Method : Paragon
 File : 090218A
 SampleId1 : 0901256-7
 SampleId2 :
 Analysis commenced : 2/18/2009 12:17:11
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:18
 [SAMPLE]
 Position : TUBE22

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00086	0.05263	0.01074	0.13066	0.04359	0.00006	0.00394	31.05794	0.00004
#2	-0.00007	0.04925	0.00834	0.13015	0.04374	0.00006	0.00172	31.13364	-0.00002
Mean	0.00039	0.05094	0.00954	0.13041	0.04366	0.00006	0.00283	31.09579	0.00001
%RSD	167.96798	4.68281	17.82887	0.27393	0.23918	0.34937	55.38086	0.17214	546.48989

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00071	0.00166	0.00164	0.51186	41.34505	0.05280	18.55468	0.15265	0.01046
#2	-0.00007	0.00135	0.00119	0.51303	41.55258	0.05308	18.62868	0.15315	0.01037
Mean	0.00032	0.00150	0.00142	0.51244	41.44882	0.05294	18.59168	0.15290	0.01041
%RSD	170.38176	14.64625	22.21072	0.16196	0.35404	0.36830	0.28143	0.22979	0.63367

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	157.02811	0.00250	0.06034	0.00319	-0.00151	35.23321	0.00162	0.00472	0.00288
#2	157.82791	0.00154	0.05754	0.00038	-0.00047	35.34570	-0.00202	0.00155	0.00163
Mean	157.42801	0.00202	0.05894	0.00178	-0.00099	35.28945	-0.00020	0.00313	0.00226
%RSD	0.35924	33.70955	3.35238	111.45767	74.46239	0.22539	1306.35061	71.47970	39.10926

	Si	Sn	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	157.02811	0.00250	0.06034	0.00319	-0.00151	35.23321	0.00162	0.00288
#2	157.82791	0.00154	0.05754	0.00038	-0.00047	35.34570	-0.00202	0.00163
Mean	157.42801	0.00202	0.05894	0.00178	-0.00099	35.28945	-0.00020	0.00226
%RSD	0.35924	33.70955	3.35238	111.45767	74.46239	0.22539	1306.35061	39.10926

#1	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#2	1.11355	-0.00068	1.13704	-0.00013	0.00072	0.02374	0.00087	-0.00345	
Mean	1.11988	0.00056	1.14235	-0.00006	0.00059	0.01987	0.00035	-0.00475	
%RSD	1.11672	-0.00006	1.13970	-0.00010	0.00065	0.02181	0.00061	-0.00410	
	0.40041	1496.69464	0.32926	49.39148	14.27925	12.56293	59.55929	22.32480	

	Zr	Pb	Se
	ppm	calc	calc
#1	0.22146	0.00006	0.00349
#2	0.22189	-0.00019	0.00160
Mean	0.22167	-0.00007	0.00255
%RSD	0.13615	260.11668	52.36665

Method : Paragon
 File : 090218A
 SampleId1 : 0901256-8
 SampleId2 :
 Analysis commenced : 2/18/2009 12:19:04
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:18
 [SAMPLE]
 Position : TUBE23

Final concentrations

#1	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
#2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.00016	1.11092	0.00383	0.10426	0.03441	0.05881	0.01862	37.11234	0.00085
%RSD	0.00034	1.11266	0.00341	0.10502	0.03451	0.05886	0.02001	37.16677	0.00090
	0.00025	1.11179	0.00362	0.10464	0.03446	0.05883	0.01931	37.13956	0.00088
	50.39513	0.11112	8.33066	0.51201	0.20203	0.06902	5.06274	0.10365	3.45380

#1	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
#2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.00169	0.00089	0.00139	0.28856	12.18452	0.29169	26.62112	0.51809	0.02289
%RSD	0.00158	0.00071	0.00127	0.28829	12.17260	0.29163	26.65364	0.51878	0.02266
	0.00163	0.00080	0.00133	0.28843	12.17856	0.29166	26.63738	0.51844	0.02278
	4.93560	15.62009	6.74483	0.06526	0.06921	0.01516	0.08632	0.09439	0.72427

#1	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
#2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	412.78093	0.00538	-0.11457	0.00815	0.00556	93.86070	-0.00022	0.00347	0.00030
%RSD	411.93543	0.00505	-0.11858	0.00879	0.00488	93.95988	0.00060	0.00226	0.00013
	412.35818	0.00521	-0.11657	0.00847	0.00522	93.91029	-0.00041	0.00286	0.00022
	0.14499	4.48598	2.43397	5.30318	9.15124	0.07468	65.27028	29.89004	55.59216

#1	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
#2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	1.25376	-0.00080	3.61973	-0.00842	0.00126	-0.00006	0.09104	0.00327	0.48033
%RSD	1.25370	-0.00148	3.61918	-0.00906	0.00118	0.00075	0.08975	0.00352	0.47968
	1.25373	-0.00114	3.61945	-0.00874	0.00122	0.00035	0.09039	0.00340	0.48000
	0.00365	42.28057	0.01074	5.16974	4.48693	164.34661	1.00988	5.16990	0.09566

	Zr	Pb	Se
	ppm	calc	calc

#1	0.01059	0.00642	0.00136	NCH
#2	0.01046	0.00618	0.00084	
Mean	0.01053	0.00630	0.00110	
%RSD	0.87021	2.68084	33.26788	

Method : Paragon
 File : 090218A
SampleId1 : 0901256-9
sampleId2 :
Analysis commenced : 2/18/2009 12:20:57
 Dilution ratio : 1.00000 to 1.00000 Tray :

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00024	0.15162	-0.00007	0.06192	0.02287	0.00993	0.00555	13.51778	0.00028
#2	0.00006	0.15349	0.00127	0.06099	0.02301	0.00995	0.00454	13.54710	0.00043
Mean	0.00015	0.15256	0.00060	0.06146	0.02294	0.00994	0.00505	13.53244	0.00036
%RSD	84.10349	0.86775	156.86497	1.06543	0.45512	0.20662	14.21387	0.15319	29.64958

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00202	0.00002	0.03843	0.23661	6.40837	0.06714	12.69060	0.13416	0.00782
#2	0.00150	0.00000	0.03817	0.23757	6.43379	0.06738	12.71340	0.13438	0.00782
Mean	0.00176	0.00001	0.03830	0.23709	6.42108	0.06726	12.70200	0.13427	0.00782
%RSD	20.65093	204.04503	0.47682	0.28564	0.27992	0.25170	0.12695	0.12073	0.00000

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	441.34537	0.13447	-0.01125	0.00046	0.00129	32.81940	-0.00236	0.00035	0.00132
#2	435.35152	0.13545	-0.00855	0.00104	0.00133	32.90413	-0.00165	-0.00234	0.00381
Mean	438.34844	0.13496	-0.00990	0.00075	0.00131	32.86176	-0.00200	-0.00100	0.00256
%RSD	0.96688	0.51263	19.32646	54.52537	2.16145	0.18233	24.97314	191.12912	68.78387

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.78026	-0.00034	0.79433	-0.00414	0.00114	0.00012	0.02221	0.00242	0.15058
#2	0.78295	-0.00046	0.79819	-0.00690	0.00110	-0.00130	0.02522	0.00217	0.14953
Mean	0.78161	-0.00040	0.79626	-0.00552	0.00112	-0.00059	0.02372	0.00230	0.15006
%RSD	0.24361	20.01084	0.34291	35.36410	2.60818	170.39046	8.98081	7.63876	0.49612

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00228	0.00101	0.00100
#2	0.00238	0.00123	0.00176
Mean	0.00233	0.00112	0.00138
%RSD	3.06588	13.81314	39.31867

Method : Paragon
 File : 090218A
SampleId1 : 0901256-10
sampleId2 :
Analysis commenced : 2/18/2009 12:22:50

Printed : 2/18/2009 13:58:19
[SAMPLE]
 Position : TUBE24

Printed : 2/18/2009 13:58:19
[SAMPLE]

Dilution ratio : 1.00000 to 1.00000 Tray :

Position : TUBE25

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
#1	0.00015	0.04273	0.00021	0.00670	0.03207	0.00009	0.00236	48.29612	0.00024
#2	0.00023	0.04151	-0.00165	0.00641	0.03232	0.00008	-0.00271	48.46778	0.00017
Mean	0.00019	0.04212	-0.00072	0.00655	0.03219	0.00009	-0.00017	48.38195	0.00021
%RSD	27.14935	2.05098	182.26022	3.17841	0.54057	3.07266	2055.50306	0.25089	22.77788

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
#1	0.00049	0.00040	0.00088	0.01365	5.70857	0.00617	2.03338	0.12174	0.00034
#2	0.00015	0.00025	0.00069	0.01365	5.70933	0.00617	2.03555	0.12208	0.00038
Mean	0.00032	0.00032	0.00079	0.01365	5.70895	0.00617	2.03446	0.12191	0.00036
%RSD	75.85933	32.48285	17.15816	0.00000	0.00946	0.07791	0.07543	0.19942	9.19867

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
#1	124.98042	0.00469	0.10269	0.00198	-0.00242	11.61070	-0.00161	0.00253	0.00177
#2	125.19450	0.00411	0.10199	0.00079	-0.00288	11.66546	0.00030	-0.00389	0.00081
Mean	125.08746	0.00440	0.10234	0.00138	-0.00265	11.63808	-0.00065	-0.00068	0.00129
%RSD	0.12102	9.24201	0.48278	60.79763	12.24210	0.33269	205.89154	671.08934	52.71598

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
#1	0.89624	0.00181	0.12889	-0.00251	-0.00048	0.00070	0.00902	0.00074	-0.01947
#2	0.89598	0.00068	0.12880	-0.00160	-0.00052	-0.00365	0.00773	0.00039	-0.01939
Mean	0.89611	0.00125	0.12884	-0.00205	-0.00050	-0.00148	0.00837	0.00056	-0.01943
%RSD	0.02060	64.37087	0.04976	31.32975	5.88574	208.13108	10.90323	43.16928	0.29439

	Zr	Pb	Se
#1	-0.00001	calc	calc
#2	-0.00020	-0.00096	0.00203
Mean	-0.00011	-0.00131	0.00064
%RSD	122.77635	37.94637	308.66471

Method : Paragon File : 090218A

SampleId1 : 0901256-11 SampleId2 :

Analysis commenced : 2/18/2009 12:24:46

Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:20

[SAMPLE]

Position : TUBE26

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
#1	-0.00036	0.04269	-0.00134	0.03082	0.05289	0.00003	-0.00355	40.20302	-0.00015
#2	-0.00041	0.04530	-0.00211	0.03216	0.05272	0.00003	0.00014	40.09267	-0.00015

Mean	-0.00039	0.04399	-0.00173	0.03149	0.05281	0.00003	-0.00170	40.14784	-0.00015
%RSD	7.68589	4.19453	31.19604	3.02426	0.23075	1.82182	153.34846	0.19435	2.25773
	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00008	-0.00034	-0.00051	0.00325	5.72900	0.00602	2.12429	0.09611	-0.00053
#2	-0.00025	-0.00034	-0.00013	0.00309	5.71850	0.00602	2.11030	0.09596	-0.00097
Mean	-0.00017	-0.00034	-0.00032	0.00317	5.72375	0.00602	2.11730	0.09603	-0.00075
%RSD	72.79808	0.90876	83.83983	3.55528	0.12976	0.02662	0.46711	0.11247	41.81987
	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	111.33330	-0.00016	0.03545	-0.00222	0.00008	0.16956	-0.00134	-0.00181	0.00308
#2	111.13600	0.00032	0.03868	-0.00086	0.00014	0.16726	-0.00313	0.00071	0.00311
Mean	111.23465	0.00008	0.03707	-0.00154	0.00011	0.16841	-0.00224	-0.00055	0.00309
%RSD	0.12542	420.99515	6.16272	62.54540	40.61286	0.96521	56.87916	321.17930	0.64506
	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.04868	0.00091	0.10972	0.00145	-0.00029	-0.00192	-0.01422	-0.00009	-0.01009
#2	1.04702	-0.00159	0.10916	-0.00067	-0.00038	-0.00321	-0.00604	-0.00007	-0.01057
Mean	1.04785	-0.00034	0.10944	0.00039	-0.00034	-0.00256	-0.01013	-0.00008	-0.01033
%RSD	0.11197	515.56913	0.36024	387.87716	19.54795	35.65849	57.10426	17.12452	3.32283
	Zr	Pb	Se						
	ppm	calc	calc						
#1	-0.00071	-0.00069	0.00145						
#2	-0.00062	-0.00019	0.00231						
Mean	-0.00067	-0.00044	0.00188						
%RSD	8.95597	79.57661	32.30713						

Method : Paragon

File : 090218A

SampleId1 : 0902121-4

SampleId2 :

Analysis commenced : 2/18/2009 12:26:39

Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:20

[SAMPLE]

Position : TUBE27

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00020	0.06671	-0.00110	0.02648	0.02304	0.00002	0.00061	0.04684	0.00037
#2	-0.00094	0.06543	-0.00372	0.02539	0.02301	0.00003	-0.00013	0.04542	-0.00022
Mean	-0.00037	0.06607	-0.00241	0.02593	0.02303	0.00002	0.00024	0.04613	0.00008
%RSD	217.84373	1.36965	76.81421	2.98353	0.07557	3.88231	222.22444	2.17963	555.62745
	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00013	-0.00029	0.00019	0.03532	15.96372	0.00533	-0.01630	0.00053	-0.00095
#2	-0.00058	-0.00071	-0.00070	0.03526	16.01275	0.00532	-0.01991	0.00049	-0.00099
Mean	-0.00022	-0.00050	-0.00026	0.03529	15.98824	0.00533	-0.01810	0.00051	-0.00097

%RSD	226.76550	59.74261	246.43086	0.10640	0.21684	0.09020	14.11284	5.29782	3.39743
	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	118.62890	0.00062	0.01144	9.41176	9.31210	0.00061	-0.00303	-0.00097	-0.00058
#2	118.53936	-0.00037	0.01528	9.41820	9.32062	0.00176	-0.00237	-0.00414	0.00198
Mean	118.58413	0.00012	0.01336	9.41498	9.31636	0.00119	-0.00270	-0.00255	0.00070
%RSD	0.05339	571.13330	20.32499	0.04839	0.06465	68.40285	17.17308	87.65950	257.67437
	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.49164	0.00170	0.00017	-0.00025	-0.00025	-0.00384	-0.00606	0.00015	-0.00612
#2	0.49112	-0.00023	0.00015	-0.00062	-0.00025	-0.00163	-0.00950	-0.00035	-0.00588
Mean	0.49138	0.00074	0.00016	-0.00044	-0.00025	-0.00274	-0.00778	-0.00010	-0.00600
%RSD	0.07499	185.45177	12.22073	59.13313	1.45461	56.94872	31.29045	347.09652	2.85975
	Zr	Pb	Se						
	ppm	calc	calc						
#1	0.00003	9.34528	-0.00071						
#2	-0.00038	9.35311	-0.00006						
Mean	-0.00017	9.34920	-0.00038						
%RSD	164.60890	0.05920	119.36318						

Method : Paragon

File : 090218A

SampleId1 : 0902121-4D

SampleId2 :

Analysis commenced : 2/18/2009 12:28:32

Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:20

[SAMPLE]

Position : TUBE28

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00013	0.06707	-0.00217	0.02808	0.02301	0.00006	0.00024	0.04485	0.00005
#2	-0.00048	0.06327	-0.00104	0.02762	0.02304	0.00007	0.00107	0.04414	-0.00006
Mean	-0.00031	0.06517	-0.00160	0.02785	0.02303	0.00007	0.00065	0.04450	-0.00001
%RSD	81.34164	4.12198	49.67684	1.17547	0.07557	0.91491	89.58260	1.12986	1463.71827
	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00027	0.00001	-0.00001	0.03563	16.04094	0.00542	-0.01774	0.00053	-0.00097
#2	-0.00018	-0.00041	0.00006	0.03606	16.11642	0.00540	-0.02015	0.00049	-0.00071
Mean	-0.00022	-0.00020	0.00002	0.03585	16.07868	0.00541	-0.01894	0.00051	-0.00084
%RSD	27.24397	145.32276	208.91637	0.83799	0.33195	0.26663	8.98990	5.29782	21.53070
	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	120.12446	0.00059	0.01493	9.64564	9.50909	-0.00628	-0.00221	0.00113	-0.00049
#2	120.27407	-0.00029	0.01232	9.65021	9.54314	-0.00054	0.00002	0.00294	0.00285
Mean	120.19926	0.00015	0.01363	9.64793	9.52611	-0.00341	-0.00110	0.00204	0.00118
%RSD	0.08801	409.13075	13.59160	0.03351	0.25274	119.19154	144.26899	62.68153	200.12704

ted: 2/18/2009 13:58:31 User: ROY FRENCH

	Si	Sr	Th	Ti	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.49649	0.00091	-0.00051	-0.00021	0.00642	-0.00039	-0.00531
#2	0.49578	0.00068	-0.00151	-0.00025	-0.00176	-0.00041	-0.00531
Mean	0.49613	0.00079	-0.00101	-0.00023	0.00233	-0.00040	-0.00531
%RSD	0.10119	20.25162	70.13895	12.53978	247.85447	3.38634	0.00000

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00013	9.55456	0.00005
#2	-0.00016	9.57879	0.00288
Mean	-0.00014	9.56668	0.00147
%RSD	15.70839	0.17912	136.55280

Method : Paragon File : 090218A
 SampleId1 : 0902121-4L 5X SampleId2 :
 Analysis commenced : 2/18/2009 12:30:26
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:20
 [SAMPLE]

Position : TUBE29

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00065	0.03704	-0.00238	0.00498	0.00486	0.00003	-0.00161	-0.00548	-0.00022
#2	-0.00055	0.03798	-0.00043	0.00493	0.00478	0.00002	0.00051	-0.00520	-0.00022
Mean	-0.00060	0.03751	-0.00141	0.00495	0.00482	0.00003	-0.00055	-0.00534	-0.00022
%RSD	11.62744	1.75501	98.02610	0.60061	1.08313	16.94827	273.39881	3.76427	1.08218

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00086	-0.00073	-0.00089	0.00330	2.59219	0.00530	-0.02352	0.00003	-0.00078
#2	-0.00055	-0.00063	-0.00090	0.00410	2.59428	0.00532	-0.02304	0.00007	-0.00067
Mean	-0.00070	-0.00068	-0.00090	0.00370	2.59324	0.00531	-0.02328	0.00005	-0.00073
%RSD	31.49463	10.64245	0.73887	15.22482	0.05709	0.33200	1.46314	52.48800	11.35880

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	22.51000	-0.00079	0.00612	1.91696	1.91341	-0.02237	-0.00291	0.00498	0.00197
#2	22.43606	0.00037	0.00699	1.91778	1.90832	-0.01892	-0.00221	-0.00464	0.00206
Mean	22.47303	-0.00021	0.00655	1.91737	1.91087	-0.02065	-0.00256	0.00017	0.00202
%RSD	0.23264	396.17214	9.41798	0.03032	0.18863	11.80710	19.53974	4040.61845	2.98133

	Si	Sn	Sr	Th	Ti	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09498	-0.00046	-0.00047	-0.00287	-0.00171	-0.01422	-0.00053	-0.01437
#2	0.09496	-0.00068	-0.00045	0.00058	0.00138	-0.00216	-0.00045	-0.01405
Mean	0.09497	-0.00057	-0.00046	-0.00115	-0.00016	-0.00819	-0.00049	-0.01421
%RSD	0.01319	28.18252	3.19688	213.17009	1344.49197	104.04508	11.06342	1.60994

	Zr	Pb	SeNCH
	ppm	calc	calc
#1	-0.00015	1.91459	0.00297
#2	-0.00019	1.91147	-0.00017
Mean	-0.00017	1.91303	0.00140
%RSD	17.94563	0.11556	158.88924

Method : Paragon
 File : 090218A
SampleId1 : 0902121-4MS
SampleId2 :
Analysis commenced : 2/18/2009 12:32:19
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:21
[SAMPLE]
 Position : TUBE30

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09543	2.20137	1.98320	1.01303	1.98229	0.04908	-0.00323	0.04969	0.05492
#2	0.09478	2.18906	1.99027	1.01337	1.97527	0.04909	0.00295	0.04954	0.05536
Mean	0.09511	2.19521	1.98673	1.01320	1.97878	0.04908	-0.00014	0.04961	0.05514
%RSD	0.48303	0.39640	0.25169	0.02356	0.25100	0.02420	3193.04304	0.20266	0.56504

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.51043	0.19959	0.25140	1.05690	15.72826	0.00545	-0.02328	0.48826	1.02961
#2	0.51165	0.20056	0.25075	1.05685	15.69256	0.00548	-0.01943	0.48903	1.02928
Mean	0.51104	0.20007	0.25107	1.05687	15.71041	0.00546	-0.02135	0.48865	1.02944
%RSD	0.16924	0.34500	0.18180	0.00359	0.16068	0.35189	12.76138	0.11122	0.02259

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	121.02290	0.52542	0.00813	10.08009	9.95551	-0.00168	0.50608	1.99239	1.97190
#2	121.20107	0.52521	0.00856	10.08093	9.98312	-0.00168	0.50112	1.98438	1.97290
Mean	121.11199	0.52531	0.00834	10.08051	9.96932	-0.00168	0.50360	1.98839	1.97240
%RSD	0.10402	0.02909	3.69905	0.00589	0.19585	0.00000	0.69606	0.28484	0.03585

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	2.36739	0.50766	0.50441	-0.00022	0.49506	2.13498	-0.01450	0.51750	0.52311
#2	2.36949	0.51516	0.50291	0.00069	0.49432	2.14040	-0.00719	0.51798	0.52701
Mean	2.36844	0.51141	0.50366	0.00024	0.49469	2.13769	-0.01084	0.51774	0.52506
%RSD	0.06262	1.03632	0.21055	272.89007	0.10537	0.17923	47.71243	0.06536	0.52487

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00189	9.99700	1.97872
#2	-0.00189	10.01569	1.97672
Mean	-0.00189	10.00635	1.97772
%RSD	0.00731	0.13212	0.07151

Method : Paragon
 File : 090218A
 Printed : 2/18/2009 13:58:21

SampleId1 : CCV
 Analysis commenced : 2/18/2009 12:34:16
 Dilution ratio : 1.00000 to 1.00000 Tray :

[CV]
 Position : STD6

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.22232	53.11381	0.50292	1.03089	0.97571	0.50630	0.53013	53.83315	0.52417
#2	0.22293	53.29896	0.51442	1.03730	0.98142	0.50839	0.53951	54.05483	0.52530
Mean	0.22263	53.20638	0.50867	1.03409	0.97857	0.50734	0.53482	53.94399	0.52473
%RSD	0.19315	0.24607	1.59922	0.43870	0.41256	0.29186	1.23953	0.29057	0.15190

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.49898	0.98501	0.98406	21.07106	50.59785	0.51596	53.33956	0.97171	1.01594
#2	0.50093	0.98847	0.98923	21.16464	50.71693	0.51730	53.55096	0.97539	1.01732
Mean	0.49995	0.98674	0.98664	21.11785	50.65739	0.51663	53.44526	0.97355	1.01663
%RSD	0.27581	0.24816	0.37008	0.31335	0.16622	0.18368	0.27968	0.26721	0.09638

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	50.15208	1.01916	5.18821	1.01549	0.99817	5.08375	0.51678	1.04614	1.02380
#2	50.25616	1.02465	5.21500	1.01966	0.99461	5.08953	0.52324	1.05173	1.02384
Mean	50.20412	1.02191	5.20161	1.01758	0.99639	5.08664	0.52001	1.04894	1.02382
%RSD	0.14658	0.37952	0.36421	0.28990	0.25261	0.08036	0.87770	0.37705	0.00265

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.94471	1.01739	0.50583	0.15547	0.49218	0.52732	4.94696	0.50624	1.00140
#2	4.96299	1.02182	0.50973	0.15612	0.49462	0.53059	4.97135	0.50812	1.00572
Mean	4.95385	1.01961	0.50778	0.15579	0.49340	0.52895	4.95915	0.50718	1.00356
%RSD	0.26093	0.30733	0.54286	0.29671	0.35018	0.43727	0.34775	0.26139	0.30421

	Zr	Pb	Se
	ppm	calc	calc
#1	0.99894	1.00394	1.03124
#2	1.00393	1.00295	1.03313
Mean	1.00144	1.00344	1.03218
%RSD	0.35233	0.06941	0.12935

Method : Paragon
 SampleId1 : CCB
 Analysis commenced : 2/18/2009 12:36:34
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:22
 [CB]
 Position : STD2

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	-0.00009	0.03682	-0.00141	0.00178	0.00030	-0.00001	-0.00133	-0.02354	-0.00023
#2	-0.00023	0.03627	-0.00034	0.00165	0.00023	-0.00002	0.00106	-0.02411	0.00005
Mean	-0.00016	0.03654	-0.00087	0.00171	0.00027	-0.00002	-0.00013	-0.02382	-0.00009
%RSD	61.22477	1.06983	86.33474	5.20803	19.53712	63.23547	1268.31326	1.68788	213.69761

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00013	-0.00051	-0.00058	-0.00185	0.26329	0.00524	-0.02015	0.00003	-0.00078
#2	-0.00044	-0.00054	-0.00102	-0.00222	0.25152	0.00523	-0.01678	0.00003	-0.00029
Mean	-0.00028	-0.00053	-0.00080	-0.00203	0.25741	0.00523	-0.01846	0.00003	-0.00054
%RSD	78.43147	4.84354	38.87096	12.91262	3.23393	0.24485	12.91423	0.00000	64.21043

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.24448	-0.00042	0.00472	-0.00201	-0.00129	-0.01662	-0.00090	-0.00003	-0.00049
#2	0.24355	-0.00052	0.00306	-0.00156	0.00094	-0.02122	-0.00166	0.00303	0.00322
Mean	0.24401	-0.00047	0.00389	-0.00178	-0.00018	-0.01892	-0.00128	0.00150	0.00136
%RSD	0.26998	15.25002	30.13589	17.72982	889.53506	17.17692	41.78927	144.60712	192.77954

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00876	0.00136	-0.00056	0.00001	-0.00018	-0.00069	-0.00087	-0.00022	-0.01858
#2	-0.00822	0.00011	-0.00059	-0.00150	-0.00027	-0.00076	-0.00991	-0.00017	-0.01915
Mean	-0.00849	0.00073	-0.00057	-0.00075	-0.00022	-0.00073	-0.00539	-0.00019	-0.01886
%RSD	4.50972	119.99188	3.41365	143.09412	30.80632	6.80946	118.60717	20.82158	2.12260

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00003	-0.00153	-0.00034
#2	0.00008	0.00011	0.00316
Mean	0.00006	-0.00071	0.00141
%RSD	63.87211	162.46888	175.71387

Method : Paragon
 File : 090218A
 SampleId1 : 0902121-4MSD
 SampleId2 :
 Analysis commenced : 2/18/2009 12:38:42
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:22

[SAMPLE]

Position : TUBE31

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09497	2.19010	1.98177	1.01324	1.98828	0.04876	0.00037	0.04514	0.05473
#2	0.09439	2.19656	1.98614	1.01831	1.99159	0.04887	-0.00148	0.04542	0.05510
Mean	0.09468	2.19333	1.98396	1.01578	1.98994	0.04882	-0.00055	0.04528	0.05491
%RSD	0.43219	0.20818	0.15587	0.35257	0.11763	0.15631	234.69821	0.44414	0.47550

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.50678	0.19833	0.25184	1.04633	15.54417	0.00540	-0.02063	0.48423	1.02428

#2	0.50850	0.19861	0.25241	1.04928	15.57042	0.00541	-0.02039	0.48503	1.02578
Mean	0.50764	0.19847	0.25213	1.04781	15.55730	0.00541	-0.02051	0.48463	1.02503
%RSD	0.23984	0.10029	0.15972	0.19906	0.11927	0.11853	0.83037	0.11774	0.10370
#1	119.64932	0.52335	0.01223	9.96885	9.81491	-0.00283	0.50148	1.99277	1.97302
#2	119.77305	0.52482	0.00865	9.98878	9.82870	-0.00398	0.50676	1.99575	1.98099
Mean	119.71119	0.52408	0.01044	9.97881	9.82180	-0.00341	0.50412	1.99426	1.97700
%RSD	0.07309	0.19829	24.24466	0.14123	0.09925	23.83828	0.74116	0.10562	0.28516
#1	2.37205	0.50778	0.50821	-0.00020	0.49218	2.12425	-0.01450	0.51519	0.51321
#2	2.37863	0.51289	0.50879	0.00000	0.49265	2.13343	-0.00632	0.51676	0.51434
Mean	2.37534	0.51034	0.50850	-0.00010	0.49242	2.12884	-0.01041	0.51597	0.51377
%RSD	0.19601	0.70791	0.08166	144.38936	0.06810	0.30492	55.54868	0.21519	0.15644
#1	Zr ppm	Pb calc	Se calc						
#2									
Mean	-0.00136	9.86617	1.97959						
%RSD	-0.00136	9.88200	1.98590						
#1	-0.00136	9.87409	1.98275						
%RSD	0.04878	0.11338	0.22503						

Mean	114.31818	0.00024	0.01397	154.28507	143.69558	0.88939	0.02234	0.00346	0.00044
%RSD	0.43335	72.66540	12.36853	0.19828	0.05650	0.00000	6.04905	36.14071	135.99836
	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.77142	-0.00159	0.00340	-0.00075	-0.00014	-0.00293	0.00084	-0.00011	0.01135
#2	1.76483	-0.00306	0.00340	-0.00089	-0.00012	-0.00157	-0.00088	0.00009	0.01046
Mean	1.76813	-0.00233	0.00340	-0.00082	-0.00013	-0.00225	-0.00002	-0.00001	0.01091
%RSD	0.26347	44.79918	0.00000	11.71987	8.28276	42.79968	7064.78351	1303.73117	5.76939
	Zr	Pb	Se						
	ppm	calc	calc						
#1	-0.00051	147.25563	0.00087						
#2	-0.00049	147.18814	0.00202						
Mean	-0.00050	147.22188	0.00145						
%RSD	2.65736	0.03241	56.51663						

Method : Paragon
File : 090218A
SampleId1 : 0902121-6 SampleId2 :
Analysis commenced : 2/18/2009 12:42:29
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:23

[SAMPLE]

Position : TUBE33

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00050	0.04990	0.02259	0.00813	0.00545	0.00008	-0.00281	6.21213	0.00069
#2	0.00021	0.05310	0.01952	0.00788	0.00540	0.00008	-0.00198	6.18638	0.00071
Mean	0.00035	0.05150	0.02105	0.00801	0.00542	0.00008	-0.00239	6.19926	0.00070
%RSD	58.68711	4.39546	10.33145	2.23027	0.64180	1.38442	24.59258	0.29376	2.13785
	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00038	-0.00050	-0.00045	0.00139	0.32709	0.00560	-0.01365	0.00095	-0.00083
#2	-0.00035	-0.00034	-0.00026	0.00150	0.31171	0.00559	-0.01461	0.00091	-0.00022
Mean	-0.00036	-0.00042	-0.00035	0.00144	0.31940	0.00559	-0.01413	0.00093	-0.00053
%RSD	5.60371	26.60572	37.23869	5.20552	3.40512	0.14326	4.82210	2.90429	81.25546
	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	114.37192	0.00037	0.01275	S 112.15744	274.21600	2.30439	-0.00041	0.00470	0.00067
#2	114.06793	0.00043	0.01493	S 111.53549	273.71573	2.29633	-0.00291	0.00094	0.00098
Mean	114.21992	0.00040	0.01384	S 111.84647	273.96587	2.30036	-0.00166	0.00282	0.00082
%RSD	0.18819	10.08615	11.14779	0.39321	0.12912	0.24795	106.25548	94.27402	26.75081
	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.90018	-0.00193	0.00964	0.00086	-0.00020	-0.00307	-0.01163	0.00001	0.00553
#2	4.90024	-0.00590	0.00964	0.00018	-0.00028	-0.00478	-0.00345	0.00001	0.00488
Mean	4.90021	-0.00391	0.00964	0.00052	-0.00024	-0.00393	-0.00754	0.00001	0.00520

%RSD 0.00081 71.69578 0.05093 91.94067 22.75544 30.88415 76.66223 0.21146 8.79462

Zr ppm **Pb** calc **Se** calc
#1 -0.00217 220.25050 0.00201
#2 -0.00200 219.70971 0.00097
Mean -0.00208 219.98011 0.00149
%RSD 5.48935 0.17383 49.59409

Method : Paragon File : 090218A
SampleId1 : CCV SampleId2 :
Analysis commenced : 2/18/2009 12:48:05
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:23
[CV]

Position : STD6

Final concentrations

Ag ppm **Al** ppm **As** ppm **B** ppm **Ba** ppm **Be** ppm **Bi** ppm **Ca** ppm **Cd** ppm
#1 0.21717 52.37354 0.49138 1.00683 0.96908 0.48477 0.52853 51.42422 0.50755
#2 0.21660 51.97701 0.49037 1.00214 0.96143 0.48450 0.51924 51.50285 0.50627
Mean 0.21688 52.17527 0.49088 1.00449 0.96526 0.48464 0.52388 51.46354 0.50691
%RSD 0.18635 0.53741 0.14542 0.32978 0.56060 0.03888 1.25376 0.10804 0.17844

Co ppm **Cr** ppm **Cu** ppm **Fe** ppm **K** ppm **Li** ppm **Mg** ppm **Mn** ppm **Mo** ppm
#1 0.47961 0.94281 0.97859 20.25211 50.32976 0.51337 51.32783 0.93304 0.98665
#2 0.48026 0.94335 0.96960 20.22128 49.93775 0.50877 51.27009 0.93176 0.98167
Mean 0.47994 0.94308 0.97410 20.23669 50.13375 0.51107 51.29896 0.93240 0.98416
%RSD 0.09581 0.04113 0.65312 0.10774 0.55292 0.63723 0.07959 0.09686 0.35768

Na ppm **Ni** ppm **P** ppm **Pb I** ppm **Pb II** ppm **S** ppm **Sb** ppm **Se I** ppm **Se II** ppm
#1 49.85734 0.98402 5.03536 0.96923 0.95369 4.91728 0.50718 1.00749 0.99664
#2 49.43972 0.98546 4.98345 0.97027 0.95428 4.89532 0.50458 1.01121 1.00079
Mean 49.64853 0.98474 5.00940 0.96975 0.95399 4.90630 0.50588 1.00935 0.99872
%RSD 0.59478 0.10363 0.73275 0.07552 0.04353 0.31652 0.36364 0.26091 0.29403

Si ppm **Sn** ppm **Sr** ppm **Th** ppm **Ti** ppm **Tl** ppm **U** ppm **V** ppm **Zn** ppm
#1 4.80208 0.98284 0.50131 0.14805 0.47778 0.51543 4.90333 0.48909 0.93217
#2 4.78433 0.98148 0.49714 0.15418 0.47662 0.51476 4.87161 0.48820 0.93641
Mean 4.79320 0.98216 0.49923 0.15112 0.47720 0.51510 4.88747 0.48864 0.93429
%RSD 0.26189 0.09813 0.59106 2.87025 0.17187 0.09218 0.45900 0.12828 0.32045

Zr ppm **Pb** calc **Se** calc
#1 0.97845 0.95887 1.00025
#2 0.97459 0.95960 1.00426
Mean 0.97652 0.95923 1.00226
%RSD 0.27983 0.05430 0.28292

ted: 2/18/2009 13:58:31 **User: ROY FRENCH**
 Method : Paragon File : 090218A
SampleId1 : CCB
SampleId2 :
Analysis commenced : 2/18/2009 12:50:22
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:23
 [CB]

Position : STD2

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00016	0.04431	0.00015	0.00077	0.00033	-0.00003	0.00485	-0.02354
#2	0.00023	0.03991	-0.00028	0.00165	0.00028	-0.00003	0.00079	-0.02340
Mean	0.00003	0.04211	-0.00007	0.00121	0.00030	-0.00003	0.00282	-0.02347
%RSD	845.61834	7.38905	457.05260	51.68223	11.44381	5.49011	101.74913	0.42836

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00027	0.00013	-0.00065	-0.00174	0.23861	0.00519	-0.01437	0.00003	0.00003
#2	0.00002	-0.00033	-0.00090	-0.00217	0.22494	0.00517	-0.01630	0.00003	0.00022
Mean	0.00015	-0.00010	-0.00078	-0.00196	0.23177	0.00518	-0.01533	0.00003	0.00013
%RSD	125.21286	324.42483	23.47332	15.35828	4.17076	0.21645	8.88666	0.00000	105.26084

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.23679	-0.00029	0.00498	0.00201	-0.00197	-0.01547	0.00035	0.00057	-0.00118
#2	0.23671	-0.00004	0.00236	0.00153	-0.00122	-0.02122	-0.00138	0.00137	0.00126
Mean	0.23675	-0.00016	0.00367	0.00177	-0.00160	-0.01835	-0.00052	0.00097	0.00004
%RSD	0.02319	104.91838	50.40972	19.07596	33.07570	22.14355	237.31329	57.83878	3929.18335

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00686	0.00102	-0.00054	0.00067	-0.00009	0.00245	0.00128	0.00014	-0.01947
#2	-0.00679	0.00034	-0.00056	-0.00009	-0.00017	0.00220	0.00344	0.00001	-0.01890
Mean	-0.00682	0.00068	-0.00055	0.00029	-0.00013	0.00232	0.00236	0.00007	-0.01919
%RSD	0.65594	70.93037	2.67316	188.18871	39.42250	7.85719	64.51939	129.46712	2.08680

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00012	-0.00064	-0.00059
#2	0.00019	-0.00030	0.00130
Mean	0.00015	-0.00047	0.00035
%RSD	29.19094	50.49502	379.60092

Method : Paragon File : 090218A
SampleId1 : 0902123-2
SampleId2 :
Analysis commenced : 2/18/2009 12:53:27
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:24
 [SAMPLE]

Position : TUBE34

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00017	0.06078	-0.00159	0.01217	0.14187	0.00010	-0.00050	26.86375	0.00453
#2	0.00056	0.05794	-0.00150	0.01242	0.14157	0.00011	0.00052	26.89109	0.00497
Mean	0.00036	0.05936	-0.00154	0.01230	0.14172	0.00010	0.00001	26.87742	0.00475
%RSD	76.44703	3.38611	4.18685	1.45183	0.14758	3.71528	7370.24722	0.07193	6.52120

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.02503	-0.00016	0.00224	0.45356	0.86350	0.00789	1.03391	0.41537	-0.00006
#2	0.02551	0.00025	0.00275	0.45356	0.86787	0.00789	1.03680	0.41556	-0.00099
Mean	0.02527	0.00004	0.00249	0.45356	0.86569	0.00789	1.03535	0.41546	-0.00053
%RSD	1.35778	663.15742	14.42340	0.00000	0.35695	0.00000	0.19751	0.03266	125.00850

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	114.26132	0.01588	0.01520	0.01635	0.01696	0.50985	0.00046	0.00111	0.00058
#2	114.13164	0.01624	0.01668	0.01774	0.01549	0.50410	-0.00064	0.00218	0.00004
Mean	114.19648	0.01606	0.01594	0.01705	0.01622	0.50697	-0.00009	0.00165	0.00031
%RSD	0.08030	1.58330	6.58410	5.75424	6.36651	0.80189	876.92198	46.18673	124.12262

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.89725	-0.00068	0.09129	0.00011	-0.00010	0.00255	-0.00548	-0.00025	0.21693
#2	0.89974	0.00227	0.09111	0.00095	-0.00020	-0.00396	-0.00075	0.00006	0.21717
Mean	0.89850	0.00079	0.09120	0.00053	-0.00015	-0.00070	-0.00312	-0.00010	0.21705
%RSD	0.19592	263.36900	0.14039	111.14656	46.95710	654.42270	107.43215	223.77310	0.07919

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00038	0.01675	0.00075
#2	-0.00020	0.01624	0.00075
Mean	-0.00029	0.01650	0.00075
%RSD	44.48745	2.19641	0.13926

Method : Paragon
 File : 090218A
 SampleId1 : 0902111-1 100X
 sampleId2 :
 Analysis commenced : 2/18/2009 12:55:21
 Dilution ratio : 1.00000 to 1.00000 Tray :
 Printed : 2/18/2009 13:58:24
 [SAMPLE]
 Position : TUBE35

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00048	0.03810	0.00085	0.13222	0.67149	-0.00002	0.00005	1.75587	-0.00009
#2	0.00045	0.03767	0.00018	0.13175	0.67491	-0.00003	-0.00096	1.76443	0.00013
Mean	0.00046	0.03788	0.00051	0.13199	0.67320	-0.00003	-0.00045	1.76015	0.00002
%RSD	4.86446	0.81110	92.41014	0.24810	0.35989	27.50724	158.01495	0.34388	784.15498

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#2	0.00036	-0.00060	-0.00097	0.11654	3.24246	0.06839	0.19567	0.00255	-0.00060
Mean	0.00016	-0.00004	-0.00071	0.11713	3.25407	0.06866	0.19687	0.00262	-0.00039
%RSD	0.00026	-0.00032	-0.00084	0.11683	3.24826	0.06852	0.19627	0.00259	-0.00049
	53.35422	122.15131	21.89939	0.35381	0.25294	0.27967	0.43391	2.08445	36.12397

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	59.68900	-0.00017	-0.05489	0.00088	-0.00092	0.01555	-0.00193	0.00048	-0.00025
#2	59.93416	-0.00036	-0.06266	0.00201	-0.00234	0.02015	-0.00058	0.00396	-0.00105
Mean	59.81158	-0.00027	-0.05877	0.00145	-0.00163	0.01785	-0.00125	0.00222	-0.00065
%RSD	0.28983	49.80352	9.34364	54.99070	61.43680	18.20847	76.47944	111.02359	86.11116

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.51044	0.00000	0.33852	-0.00124	0.00004	0.00027	0.00249	-0.00014	-0.02004
#2	0.51610	-0.00034	0.34013	-0.00022	0.00010	-0.00259	-0.00224	0.00016	-0.02052
Mean	0.51327	-0.00017	0.33932	-0.00073	0.00007	-0.00116	0.00013	0.00001	-0.02028
%RSD	0.78029	139.46332	0.33403	99.16075	61.09478	173.70698	2658.46096	2135.60738	1.69235

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00002	-0.00032	-0.00001
#2	-0.00012	-0.00090	0.00062
Mean	-0.00005	-0.00061	0.00030
%RSD	189.63748	66.53224	146.61550

Method : Paragon
SampleId1 : 0902121-4 5X
SampleId2 :
Analysis commenced : 2/18/2009 12:57:15
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:24
[SAMPLE]

Position : TUBE36

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00024	0.04645	-0.00055	0.00569	0.00493	0.00007	0.00125	-0.00662	-0.00005
#2	-0.00055	0.04460	-0.00028	0.00535	0.00490	0.00007	0.00337	-0.00577	-0.00027
Mean	-0.00015	0.04552	-0.00042	0.00552	0.00492	0.00007	0.00231	-0.00619	-0.00016
%RSD	358.28251	2.87687	46.56793	4.31061	0.35382	2.90884	64.90369	9.73765	96.03953

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00032	-0.00044	-0.00051	0.00457	2.54575	0.00532	-0.01943	0.00034	-0.00090
#2	-0.00026	-0.00071	-0.00077	0.00484	2.55621	0.00531	-0.02376	0.00026	-0.00053
Mean	-0.00029	-0.00057	-0.00064	0.00471	2.55098	0.00532	-0.02159	0.00030	-0.00071
%RSD	13.84514	33.50244	28.07674	3.98749	0.29018	0.18082	14.19642	18.02198	36.94159

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	22.33773	-0.00004	-0.00043	1.92653	1.88611	0.22358	0.00051	0.00303	-0.00078
#2	22.44159	0.00017	0.00140	1.92284	1.88841	0.22588	-0.00095	0.00121	0.00129
Mean	22.38966	0.00007	0.00049	1.92469	1.88726	0.22473	-0.00022	0.00212	0.00026
%RSD	0.32800	233.48669	266.02061	0.13565	0.08617	0.72336	467.18241	60.55556	568.54518

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09773	-0.00114	-0.00043	0.00017	-0.00018	0.00271	-0.00733	0.00006	-0.01462
#2	0.09721	0.00045	-0.00044	0.00091	-0.00013	-0.00284	-0.00991	-0.00041	-0.01494
Mean	0.09747	-0.00034	-0.00044	0.00054	-0.00016	-0.00007	-0.00862	-0.00017	-0.01478
%RSD	0.37760	327.89296	2.24993	95.86598	20.78959	6001.25458	21.18297	194.09143	1.54824

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00012	1.89957	0.00049
#2	-0.00037	1.89987	0.00127
Mean	-0.00025	1.89972	0.00088
%RSD	72.54789	0.01133	62.44498

Method : Paragon File : 090218A
SampleId1 : 0902121-4D 5X SampleId2 :
Analysis commenced : 2/18/2009 12:59:08
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:25
[SAMPLE]

Position : TUBE37

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00037	0.04799	0.00030	0.00552	0.00481	0.00005	0.00171	-0.00975	0.00013
#2	0.00044	0.04264	-0.00010	0.00472	0.00490	0.00003	-0.00105	-0.00932	-0.00016
Mean	0.00041	0.04531	0.00010	0.00512	0.00486	0.00004	0.00033	-0.00954	-0.00001
%RSD	12.54360	8.34277	275.71187	11.03666	1.43319	27.87232	591.08435	3.16285	1703.91728

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00019	-0.00013	-0.00065	0.00436	2.51168	0.00527	-0.01605	0.00015	-0.00062
#2	-0.00029	-0.00039	-0.00039	0.00436	2.52081	0.00525	-0.02111	0.00015	-0.00097
Mean	-0.00005	-0.00026	-0.00052	0.00436	2.51624	0.00526	-0.01858	0.00015	-0.00080
%RSD	708.74586	70.56801	34.65294	0.00000	0.25674	0.27410	19.24582	0.00000	31.08074

	Na	Ni	P	Pb	Pb	S	Sb	Se	Se
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	22.18924	-0.00007	0.00079	1.89626	1.85891	-0.00054	-0.00183	0.00058	0.00109
#2	22.31820	0.00040	0.00289	1.89812	1.85521	-0.00858	-0.00118	0.00016	0.00126
Mean	22.25372	0.00017	0.00184	1.89719	1.85706	-0.00456	-0.00150	0.00037	0.00118
%RSD	0.40978	202.15822	80.49829	0.06930	0.14082	124.79625	30.66487	80.60053	10.20588

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09633	-0.00238	-0.00042	-0.00084	-0.00017	-0.00017	0.00515	0.00033	-0.01623

#2	0.09837	-0.00193	-0.00043	0.00030	-0.00009	-0.00205	0.00515	-0.00018	-0.01591
Mean	0.09735	-0.00216	-0.00042	-0.00027	-0.00013	-0.00111	0.00515	0.00007	-0.01607
%RSD	1.47905	14.86832	2.32387	301.92345	43.09650	119.63371	0.00000	490.84738	1.42355

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00004	1.87135	0.00092
#2	-0.00014	1.86950	0.00090
Mean	-0.00005	1.87042	0.00091
%RSD	262.50825	0.06985	2.01823

Method : Paragon
 File : 090218A
 SampleId1 : 0902121-4L 25X
 SampleId2 :
 Analysis commenced : 2/18/2009 13:01:02
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:25
 [SAMPLE]

Position : TUBE38

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00009	0.04620	0.00027	0.00030	0.00112	-0.00001	-0.00447	-0.02098	-0.00027
#2	0.00009	0.04111	-0.00241	0.00039	0.00114	-0.00001	0.00042	-0.02084	0.00002
Mean	0.00009	0.04366	-0.00107	0.00035	0.00113	-0.00001	-0.00203	-0.02091	-0.00012
%RSD	1.16902	8.25225	176.94838	17.17977	1.54196	10.17435	170.70018	0.48079	164.64376

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00018	-0.00055	-0.00090	-0.00222	0.58025	0.00514	-0.02063	0.00003	-0.00064
#2	-0.00038	-0.00045	-0.00102	-0.00227	0.58139	0.00515	-0.02304	0.00007	-0.00020
Mean	-0.00028	-0.00050	-0.00096	-0.00225	0.58082	0.00515	-0.02183	0.00005	-0.00042
%RSD	50.14789	13.62481	9.33941	1.67036	0.13874	0.06226	7.79990	52.48800	74.12067

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.15926	0.00010	-0.00008	0.36889	0.35847	0.02590	-0.00117	0.00085	-0.00083
#2	4.14994	-0.00053	0.00219	0.36622	0.35997	0.02590	0.00008	-0.00013	-0.00064
Mean	4.15460	-0.00022	0.00105	0.36756	0.35922	0.02590	-0.00055	0.00036	-0.00074
%RSD	0.15874	208.01022	152.16698	0.51348	0.29523	0.00000	162.43074	194.09904	19.07617

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.01333	0.00056	-0.00055	-0.00119	-0.00025	-0.00115	-0.00560	-0.00024	-0.01996
#2	0.01445	0.00034	-0.00055	-0.00010	-0.00023	0.00173	-0.00689	-0.00017	-0.01947
Mean	0.01389	0.00045	-0.00055	-0.00064	-0.00024	0.00029	-0.00625	-0.00020	-0.01971
%RSD	5.70691	35.52078	0.00000	119.93410	6.13392	699.40365	14.61027	26.48618	1.74097

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00008	0.36194	-0.00028
#2	-0.00025	0.36205	-0.00047

Mean -0.00016 0.36199 -0.00037NCH
%RSD 72.42083 0.02179 36.74307

Method : Paragon
SampleId1 : 0902121-4MS 5X File : 090218A
SampleId2 :
Analysis commenced : 2/18/2009 13:02:56
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:25
[SAMPLE]
Position : TUBE39

Final concentrations

	Ag ppm	Al ppm	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca ppm	Cd ppm
#1	0.01922	0.46886	0.40766	0.20691	0.40309	0.01032	-0.00099	-0.00804	0.01143
#2	0.01936	0.46507	0.40695	0.20821	0.40319	0.01030	-0.00108	-0.00804	0.01128
Mean	0.01929	0.46697	0.40731	0.20756	0.40314	0.01031	-0.00104	-0.00804	0.01135
%RSD	0.52018	0.57318	0.12205	0.44470	0.01736	0.11709	6.30386	0.00000	0.96381
	Co ppm	Cr ppm	Cu ppm	Fe ppm	K ppm	Li ppm	Mg ppm	Mn ppm	Mo ppm
#1	0.10454	0.04040	0.05042	0.21235	2.51567	0.00531	-0.02111	0.09939	0.20790
#2	0.10442	0.04015	0.04939	0.21225	2.52386	0.00530	-0.02159	0.09951	0.20926
Mean	0.10448	0.04028	0.04991	0.21230	2.51976	0.00531	-0.02135	0.09945	0.20858
%RSD	0.07755	0.43284	1.45379	0.03544	0.22967	0.18113	1.59517	0.08146	0.45931

	Na ppm	Ni ppm	P ppm	Pb I ppm	Pb II ppm	S ppm	Sb ppm	Se I ppm	Se II ppm
#1	22.21794	0.10863	0.00359	2.02645	1.99507	-0.02237	0.10001	0.41974	0.41368
#2	22.24144	0.11027	0.00402	2.02386	1.99538	-0.01892	0.10094	0.41540	0.41326
Mean	22.22969	0.10945	0.00380	2.02516	1.99522	-0.02065	0.10047	0.41757	0.41347
%RSD	0.07475	1.05961	8.11247	0.09032	0.01120	11.80710	0.65992	0.73422	0.07286

	Si ppm	Sn ppm	Sr ppm	Th ppm	Ti ppm	Tl ppm	U ppm	V ppm	Zn ppm
#1	0.47912	0.10535	0.10136	-0.00091	0.09979	0.42774	-0.00962	0.10516	0.09342
#2	0.47899	0.10365	0.10133	0.00103	0.09999	0.43098	-0.00661	0.10496	0.09350
Mean	0.47905	0.10450	0.10134	0.00006	0.09989	0.42936	-0.00812	0.10506	0.09346
%RSD	0.01930	1.15139	0.02431	2337.37118	0.14602	0.53449	26.24759	0.12870	0.06125

	Zr ppm	Pb calc	Se calc
#1	-0.00037	2.00552	0.41570
#2	-0.00057	2.00487	0.41397
Mean	-0.00047	2.00519	0.41484
%RSD	29.82148	0.02294	0.29454

Method : Paragon
SampleId1 : 0902121-4MSD 5X File : 090218A
SampleId2 :
Analysis commenced : 2/18/2009 13:04:50
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:26
[SAMPLE]
Position : TUBE40

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.01886	0.45859	0.38816	0.19975	0.39609	0.00965	-0.00044	-0.01131	0.01027
#2	0.02013	0.47133	0.39852	0.20371	0.39894	0.00988	0.00242	-0.00918	0.01094
Mean	0.01950	0.46496	0.39334	0.20173	0.39751	0.00977	0.00099	-0.01025	0.01061
%RSD	4.61898	1.93782	1.86261	1.38740	0.50600	1.70682	204.88136	14.71710	4.51329

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.09893	0.03826	0.04888	0.20145	2.43783	0.00515	-0.02545	0.09462	0.19905
#2	0.10171	0.03989	0.05008	0.20661	2.46676	0.00520	-0.01509	0.09676	0.20288
Mean	0.10032	0.03907	0.04948	0.20403	2.45229	0.00518	-0.02027	0.09569	0.20096
%RSD	1.95428	2.93471	1.71382	1.78813	0.83415	0.64992	36.13014	1.58019	1.34789

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	22.12130	0.10308	0.00420	1.91609	1.88882	-0.02697	0.09560	0.39133	0.39434
#2	22.18720	0.10679	0.00158	1.95756	1.88908	-0.02467	0.10339	0.40362	0.39772
Mean	22.15425	0.10493	0.00289	1.93683	1.88895	-0.02582	0.09949	0.39748	0.39603
%RSD	0.21034	2.50126	64.12359	1.51368	0.00965	6.29474	5.54013	2.18614	0.60338

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.46448	0.09923	0.09912	-0.00397	0.09630	0.40974	-0.00746	0.10062	0.08168
#2	0.47361	0.10343	0.09994	0.00080	0.09756	0.41779	0.01362	0.10324	0.08646
Mean	0.46904	0.10133	0.09953	-0.00158	0.09693	0.41377	0.00308	0.10193	0.08407
%RSD	1.37545	2.92756	0.57906	213.30546	0.91794	1.37675	484.19906	1.81782	4.01718

	Zr	Se
	ppm	calc
#1	-0.00025	1.89790
#2	-0.00002	1.91188
Mean	-0.00014	1.90489
%RSD	121.39477	0.51889

Method : Paragon

File : 090218A

SampleId1 : 0902121-5 100X

SampleId2 :

Analysis commenced : 2/18/2009 13:06:44

Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:26

[SAMPLE]

Position : TUBE41

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00005	0.04343	-0.00107	0.00266	0.00053	0.00004	0.00217	-0.01174	0.00025
#2	-0.00012	0.04409	-0.00101	0.00304	0.00053	0.00002	0.00134	-0.01202	-0.00040
Mean	-0.00008	0.04376	-0.00104	0.00285	0.00053	0.00003	0.00176	-0.01188	-0.00007
%RSD	61.75865	1.07032	4.13923	9.39586	0.00000	57.42942	33.37836	1.69225	620.87858

ted: 2/18/2009 13:58:31 User: ROY FRENCH

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
#1	-0.00027	-0.00039	-0.00134	-0.00387	0.28836	0.00526	-0.02280	-0.00001	-0.00083
#2	-0.00053	-0.00060	-0.00103	-0.00392	0.28836	0.00526	-0.02304	-0.00001	-0.00055
Mean	-0.00040	-0.00050	-0.00118	-0.00389	0.28836	0.00526	-0.02292	-0.00001	-0.00069
%RSD	45.74882	29.22919	18.98555	0.96423	0.00000	0.00000	0.74310	0.00000	28.64140

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
#1	1.13347	-0.00076	0.00036	1.35917	1.32730	0.20519	-0.00014	0.00140	0.00024
#2	1.13119	-0.00080	0.00280	1.35451	1.32657	0.20289	-0.00025	0.00112	0.00053
Mean	1.13233	-0.00078	0.00158	1.35684	1.32694	0.20404	-0.00019	0.00126	0.00038
%RSD	0.14266	3.89538	109.49596	0.24272	0.03858	0.79669	38.08437	15.49755	52.19466

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
#1	0.01011	-0.00091	-0.00054	0.00051	-0.00012	0.00099	-0.00905	-0.00020	-0.01777
#2	0.00821	-0.00046	-0.00055	0.00061	-0.00015	0.00118	-0.00646	0.00010	-0.01672
Mean	0.00916	-0.00068	-0.00055	0.00056	-0.00014	0.00109	-0.00775	-0.00005	-0.01725
%RSD	14.73592	46.99285	1.79341	12.63476	13.28585	12.76449	23.54916	419.92633	4.31183

	Zr	Pb	Se
#1	-0.00021	1.33791	0.00063
#2	-0.00021	1.33588	0.00072
Mean	-0.00021	1.33689	0.00068
%RSD	0.63194	0.10757	10.13657

Method : Paragon File : 090218A
SampleId1 : 0902121-6 100X SampleId2 :
Analysis commenced : 2/18/2009 13:08:38
Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:26

[SAMPLE]

Position : TUBE42

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
#1	0.00009	0.04610	-0.00086	-0.00075	0.00030	-0.00001	-0.00013	0.03490	-0.00020
#2	0.00002	0.04259	-0.00077	-0.00125	0.00028	-0.00002	0.00217	0.03547	-0.00007
Mean	0.00005	0.04434	-0.00081	-0.00100	0.00029	-0.00001	0.00102	0.03518	-0.00014
%RSD	100.57892	5.59539	7.95514	35.70018	5.96317	42.21694	159.68813	1.14316	67.44075

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
#1	-0.00021	-0.00051	-0.00129	-0.00418	0.26538	0.00521	-0.02328	-0.00001	-0.00064
#2	-0.00024	-0.00032	-0.00110	-0.00403	0.24905	0.00519	-0.01870	-0.00008	-0.00069
Mean	-0.00023	-0.00041	-0.00119	-0.00411	0.25722	0.00520	-0.02099	-0.00004	-0.00067
%RSD	8.79599	32.33710	11.28848	2.74307	4.48908	0.27744	15.41496	122.67410	4.94032

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	1.10260	-0.00032	-0.00095	2.30357	2.26481	0.14542	-0.00068	0.00076	-0.00047
#2	1.10642	-0.00055	0.00306	2.30616	2.26828	0.13852	0.00057	0.00058	0.00013
Mean	1.10451	-0.00043	0.00105	2.30486	2.26655	0.14197	-0.00006	0.00067	-0.00017
%RSD	0.24449	37.76609	269.21645	0.07928	0.10813	3.43469	1494.25181	19.49198	249.10662
	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.03665	-0.00159	-0.00048	0.00217	0.00003	0.00034	0.00128	-0.00019	-0.01777
#2	0.03652	0.00034	-0.00046	-0.00086	-0.00019	0.00119	0.00344	-0.00017	-0.01818
Mean	0.03659	-0.00063	-0.00047	0.00065	-0.00008	0.00077	0.00236	-0.00018	-0.01797
%RSD	0.26035	217.80349	2.08414	327.90250	185.70785	77.87345	64.46746	7.70147	1.59121

	Zr	Pb	Se
	ppm	calc	calc
#1	-0.00029	2.27772	-0.00006
#2	-0.00007	2.28089	0.00028
Mean	-0.00018	2.27931	0.00011
%RSD	84.54656	0.09842	216.97688

Method : Paragon
SampleId1 : CCV
SampleId2 :
Analysis commenced : 2/18/2009 13:10:35
Dilution ratio : 1.00000 to 1.00000 Tray :
Printed : 2/18/2009 13:58:27
[CV]
Position : STD6

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.21789	51.90749	0.48991	1.00096	0.95527	0.48908	0.52630	52.32137	0.51074
#2	0.21814	52.05359	0.49340	1.00906	0.96118	0.49087	0.52072	52.43661	0.51199
Mean	0.21801	51.98054	0.49166	1.00501	0.95823	0.48997	0.52351	52.37899	0.51137
%RSD	0.08102	0.19875	0.50157	0.57013	0.43591	0.25771	0.75353	0.15557	0.17316
	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48403	0.95316	0.96935	20.38576	49.61174	0.50523	51.69614	0.93803	0.98851
#2	0.48512	0.95424	0.97445	20.45757	49.76844	0.50742	51.85579	0.94178	0.99264
Mean	0.48458	0.95370	0.97190	20.42167	49.69009	0.50632	51.77597	0.93991	0.99057
%RSD	0.15935	0.07968	0.37075	0.24864	0.22299	0.30534	0.21802	0.28246	0.29503
	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.72144	0.99532	5.01721	0.98106	0.96015	4.89879	0.50630	1.00955	0.99643
#2	49.76868	0.99753	5.04730	0.98185	0.96254	4.92075	0.51155	1.01037	1.00660
Mean	49.74506	0.99643	5.03226	0.98145	0.96135	4.90977	0.50892	1.00996	1.00151
%RSD	0.06716	0.15670	0.42281	0.05690	0.17592	0.31629	0.72887	0.05742	0.71800
	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

#1	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#2	4.79013	0.98842	0.49336	0.15087	0.47728	0.51452	4.85519	0.49187	0.95457
Mean	4.80061	0.99467	0.49602	0.14913	0.47932	0.51746	4.88474	0.49372	0.95685
%RSD	4.79537	0.99154	0.49469	0.15000	0.47830	0.51599	4.86997	0.49279	0.95571
	0.15454	0.44577	0.38108	0.81881	0.30180	0.40379	0.42910	0.26566	0.16871

	Zr	Pb	Se
	ppm	calc	calc
#1	0.97749	0.96711	1.00080
#2	0.98161	0.96897	1.00785
Mean	0.97955	0.96804	1.00433
%RSD	0.29734	0.13574	0.49679

Method : Paragon
 File : 090218A
 SampleId1 : CCB
 SampleId2 :
 Analysis commenced : 2/18/2009 13:12:54
 Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:27
 [CB]

Position : STD2

Final concentrations

#1	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
#2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	-0.00026	0.04332	0.00085	0.00035	0.00023	0.00008	0.00023	-0.02311	-0.00024
%RSD	0.00013	0.04497	-0.00138	0.00030	0.00021	0.00008	0.00042	-0.02311	-0.00006
	-0.00006	0.04414	-0.00026	0.00033	0.00022	0.00008	0.00033	-0.02311	-0.00015
	425.81533	2.63922	595.66326	9.14537	7.98278	1.27492	40.11000	0.00000	87.68320

#1	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
#2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	-0.00027	-0.00046	-0.00089	-0.00196	0.32994	0.00534	-0.01967	0.00003	0.00003
%RSD	-0.00021	-0.00059	-0.00134	-0.00174	0.30962	0.00531	-0.01943	-0.00001	-0.00036
	-0.00024	-0.00052	-0.00112	-0.00185	0.31978	0.00532	-0.01955	0.00001	-0.00017
	16.86720	16.95908	28.59675	8.12007	4.49278	0.36103	0.87130	203.67238	168.69266

#1	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
#2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	0.23442	-0.00066	0.00245	-0.00238	-0.00087	-0.02007	-0.00155	-0.00032	0.00106
%RSD	0.23341	-0.00124	0.00324	-0.00117	0.00011	-0.01203	-0.00280	0.00005	-0.00049
	0.23392	-0.00095	0.00284	-0.00177	-0.00038	-0.01605	-0.00217	-0.00014	0.00029
	0.30504	42.88263	19.53232	48.03662	183.89037	35.44043	40.74393	196.39188	386.81115

#1	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
#2	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Mean	-0.01012	-0.00216	-0.00057	0.00160	0.00000	0.00092	-0.01292	-0.00007	-0.01753
%RSD	-0.00974	-0.00023	-0.00057	0.00108	-0.00016	-0.00044	-0.00733	-0.00026	-0.01761
	-0.00993	-0.00119	-0.00057	0.00134	-0.00008	0.00024	-0.01012	-0.00017	-0.01757
	2.73802	114.27857	0.85859	27.19816	140.37990	398.82707	39.08300	81.50832	0.32557

	Zr	Pb	Se
	ppm	calc	calc

#1	-0.00011	-0.00137	0.00060	NCH
#2	-0.00016	-0.00031	-0.00031	
Mean	-0.00013	-0.00084	0.00014	
%RSD	29.55588	88.77463	446.32236	

Method : Paragon
 File : 090218A
SampleId1 : CRI
sampleId2 :
Analysis commenced : 2/18/2009 13:15:11
 Dilution ratio : 1.00000 to 1.00000 Tray :

Final concentrations

	Ag ppm	Al ppm	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca ppm	Cd ppm
#1	0.01683	0.56017	0.00280	0.40622	0.39575	0.01029	0.04189	5.58173	0.00923
#2	0.01948	0.58085	0.00840	0.41275	0.39921	0.01035	0.05250	5.61363	0.01022
Mean	0.01816	0.57051	0.00560	0.40949	0.39748	0.01032	0.04719	5.59768	0.00972
%RSD	10.32650	2.56370	70.77591	1.12770	0.61605	0.39837	15.90696	0.40303	7.19107

	Co ppm	Cr ppm	Cu ppm	Fe ppm	K ppm	Li ppm	Mg ppm	Mn ppm	Mo ppm
#1	0.09918	0.01801	0.04939	0.20512	4.21860	0.02056	5.21663	0.02963	0.01895
#2	0.10118	0.01998	0.05135	0.20725	4.23519	0.02064	5.27799	0.03012	0.02002
Mean	0.10018	0.01899	0.05037	0.20618	4.22689	0.02060	5.24731	0.02987	0.01949
%RSD	1.41508	7.31978	2.74215	0.72968	0.27751	0.27975	0.82688	1.17376	3.89395

	Na ppm	Ni ppm	P ppm	Pb I ppm	Pb II ppm	S ppm	Sb ppm	Se I ppm	Se II ppm
#1	4.30138	0.08305	0.20212	-0.00755	0.01276	0.14312	0.11255	-0.00534	0.01574
#2	4.33398	0.08529	0.21208	0.00406	0.00709	0.14312	0.12238	0.00819	0.01126
Mean	4.31768	0.08417	0.20710	-0.00175	0.00993	0.14312	0.11746	0.00143	0.01350
%RSD	0.53384	1.88524	3.40178	469.92329	40.38402	0.00000	5.92071	670.87526	23.46053

	Si ppm	Sn ppm	Sr ppm	Th ppm	Ti ppm	Tl ppm	U ppm	V ppm	Zn ppm
#1	0.08118	0.09649	0.02358	0.09018	0.02020	0.01378	0.15694	0.10206	0.03077
#2	0.09223	0.10012	0.02388	0.08580	0.02014	0.01746	0.19567	0.10464	0.03021
Mean	0.08671	0.09830	0.02373	0.08799	0.02017	0.01562	0.17631	0.10335	0.03049
%RSD	9.01569	2.61092	0.91064	3.51682	0.19891	16.69189	15.53359	1.76636	1.31369

	Zr ppm	Pb calc	Se calc
#1	0.04985	0.00600	0.00872
#2	0.05169	0.00608	0.01024
Mean	0.05077	0.00604	0.00948
%RSD	2.56852	0.98579	11.31160

Method : Paragon
 File : 090218A
SampleId1 : ICSA
sampleId2 :
Analysis commenced : 2/18/2009 13:17:24

Printed : 2/18/2009 13:58:27
[FLEXQC]
 Position : STD3

Printed : 2/18/2009 13:58:28
[FLEXQC]

Dilution ratio : 1.00000 to 1.00000 Tray :

Position : STD4

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00009	265.97569	-0.00159	-0.00096	0.00038	0.00070	0.00864	288.07800	-0.00026
#2	0.00009	265.52292	0.00210	-0.00151	0.00035	0.00070	0.00495	288.38473	-0.00001
Mean	0.00009	265.74931	0.00025	-0.00123	0.00037	0.00070	0.00679	288.23136	-0.00014
%RSD	3.76838	0.12047	1026.56698	31.40743	4.75914	0.00347	38.39891	0.07525	130.52838

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.00167	-0.00081	-0.00464	112.03688	0.25912	0.00550	277.79541	0.00106	-0.00132
#2	0.00187	-0.00079	-0.00420	112.00083	0.26500	0.00551	277.57284	0.00110	-0.00144
Mean	0.00177	-0.00080	-0.00442	112.01885	0.26206	0.00550	277.68413	0.00108	-0.00138
%RSD	7.97616	2.15993	7.10301	0.02276	1.58827	0.11643	0.05668	2.49447	5.97965

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.24025	0.00040	0.00882	0.00349	0.00511	-0.02467	0.00421	-0.00667	-0.00385
#2	0.24013	0.00092	0.01258	0.00288	-0.00157	-0.02237	0.00268	-0.00712	-0.00624
Mean	0.24019	0.00066	0.01070	0.00318	0.00177	-0.02352	0.00344	-0.00689	-0.00504
%RSD	0.03428	55.28753	24.80505	13.63787	266.20070	6.90988	31.27440	4.62750	33.43464

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.01112	0.00329	0.00081	-0.00370	-0.00040	-0.00885	0.03518	-0.00324	-0.01308
#2	-0.00856	-0.00068	0.00083	-0.00514	-0.00049	-0.00535	0.04037	-0.00243	-0.01300
Mean	-0.00984	0.00130	0.00082	-0.00442	-0.00044	-0.00710	0.03777	-0.00284	-0.01304
%RSD	18.35928	215.50160	1.19704	22.98739	14.78079	34.84551	9.71444	20.32400	0.43869

	Zr	Pb	Se
	ppm	calc	calc
#1	0.00258	0.00457	-0.00479
#2	0.00285	-0.00009	-0.00653
Mean	0.00272	0.00224	-0.00566
%RSD	6.99217	146.83694	21.75403

Method : Paragon

File : 090218A

SampleId1 : ICSAB

SampleId2 :

Analysis commenced : 2/18/2009 13:19:37

Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:28

[FLEXQC]

Position : STD5

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.19892	267.52102	0.09751	1.02270	0.48913	0.48829	0.54989	289.89272	1.02774
#2	0.20082	268.13520	0.09788	1.02654	0.49071	0.48831	0.54696	290.35702	1.03186

Mean	0.19987	267.82811	0.09769	1.02462	0.48992	0.48830	0.54843	290.12487	1.02980
%RSD	0.67238	0.16215	0.26472	0.26506	0.22877	0.00286	0.37703	0.11316	0.28283
	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.48697	0.45535	0.50713	112.37183	0.25494	1.04690	279.07762	0.46383	1.00236
#2	0.48815	0.45803	0.50799	112.48241	0.25361	1.04830	279.47271	0.46536	1.00286
Mean	0.48756	0.45669	0.50756	112.42712	0.25427	1.04760	279.27516	0.46460	1.00261
%RSD	0.17054	0.41443	0.12078	0.06955	0.36962	0.09396	0.10004	0.23386	0.03478
	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.24184	0.96770	1.03841	0.04162	0.05300	0.98372	0.60877	0.04308	0.04668
#2	0.24149	0.97232	1.04166	0.04999	0.04617	0.97682	0.62049	0.04724	0.04788
Mean	0.24166	0.97001	1.04003	0.04580	0.04958	0.98027	0.61463	0.04516	0.04728
%RSD	0.10222	0.33663	0.22092	12.91853	9.74362	0.49794	1.34903	6.51882	1.79865
	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.94350	1.00527	1.00573	0.39848	0.94552	0.08993	9.72198	0.49077	0.93820
#2	0.95042	1.01220	1.00877	0.39456	0.94567	0.09428	9.75910	0.49190	0.93950
Mean	0.94696	1.00873	1.00725	0.39652	0.94559	0.09211	9.74054	0.49133	0.93885
%RSD	0.51679	0.48617	0.21347	0.69944	0.01156	3.34033	0.26951	0.16285	0.09812

	Zr	Pb	Se
	ppm	calc	calc
#1	0.49864	0.04921	0.04548
#2	0.50052	0.04744	0.04767
Mean	0.49958	0.04832	0.04657
%RSD	0.26598	2.59082	3.32282

Method : Paragon
SampleId1 : ZZZ
SampleId2 :
Analysis commenced : 2/18/2009 13:21:50
Dilution ratio : 1.00000 to 1.00000 Tray :
Printed : 2/18/2009 13:58:28
[CV]
Position : STD6

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.22393	53.03676	0.51350	1.03840	0.98097	0.50288	0.53904	54.04091	0.52634
#2	0.22257	52.90617	0.51050	1.03616	0.98177	0.50368	0.53968	54.00964	0.52540
Mean	0.22325	52.97146	0.51200	1.03728	0.98137	0.50328	0.53936	54.02528	0.52587
%RSD	0.43054	0.17432	0.41412	0.15250	0.05749	0.11220	0.08389	0.04093	0.12563
	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.49859	0.97970	0.99736	20.95419	50.07273	0.51084	53.22941	0.96176	1.02226
#2	0.49897	0.97902	0.99531	20.98215	50.00903	0.51043	53.19939	0.96273	1.02529
Mean	0.49878	0.97936	0.99634	20.96817	50.04088	0.51063	53.21440	0.96224	1.02377

%RSD	0.05264	0.04899	0.14500	0.09430	0.09001	0.05718	0.03989	0.07113	0.20928
	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	50.11536	1.03481	5.19001	1.01386	0.96932	5.05831	0.52699	1.05118	1.01642
#2	49.95173	1.02995	5.19558	1.00704	0.98720	5.06178	0.52044	1.04457	1.03711
Mean	50.03355	1.03238	5.19279	1.01045	0.97826	5.06005	0.52372	1.04787	1.02676
%RSD	0.23125	0.33317	0.07590	0.47723	1.29248	0.04847	0.88397	0.44611	1.42549
	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.90505	1.02536	0.50872	0.15077	0.48620	0.53863	4.96634	0.50540	0.98380
#2	4.89780	1.02592	0.50932	0.15160	0.48717	0.53574	4.96075	0.50554	0.98478
Mean	4.90142	1.02564	0.50902	0.15118	0.48669	0.53718	4.96355	0.50547	0.98429
%RSD	0.10462	0.03912	0.08354	0.38686	0.14006	0.37985	0.07972	0.01950	0.07022
	Zr	Pb	Se						
	ppm	calc	calc						
#1	1.00520	0.98415	1.02799						
#2	1.00584	0.99381	1.03960						
Mean	1.00552	0.98898	1.03379						
%RSD	0.04470	0.69037	0.79376						

Method : Paragon

File : 090218A

SampleId1 : CCV

SampleId2 :

Analysis commenced : 2/18/2009 13:24:54

Dilution ratio : 1.00000 to 1.00000 Tray :

Printed : 2/18/2009 13:58:29

[CV]

Position : STD6

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.22099	52.69855	0.50855	1.03257	0.97616	0.50105	0.53912	53.93085	0.52530
#2	0.22004	52.60654	0.51148	1.03207	0.97708	0.49947	0.54260	53.61906	0.52353
Mean	0.22051	52.65255	0.51002	1.03232	0.97662	0.50026	0.54086	53.77495	0.52441
%RSD	0.30468	0.12358	0.40724	0.03469	0.06679	0.22340	0.45553	0.40999	0.23852
	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.49853	0.97615	0.99039	20.88402	49.82115	0.50817	52.98804	0.95777	1.02160
#2	0.49519	0.97124	0.99142	20.80928	49.85509	0.50841	52.76407	0.95510	1.01775
Mean	0.49686	0.97370	0.99091	20.84665	49.83812	0.50829	52.87605	0.95643	1.01967
%RSD	0.47634	0.35619	0.07331	0.25350	0.04815	0.03410	0.29952	0.19750	0.26712
	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	49.78277	1.03461	5.16592	1.00515	0.97456	5.02595	0.52397	1.04377	1.02449
#2	49.72567	1.02885	5.15486	1.00199	0.97892	5.05138	0.52446	1.03463	1.02995
Mean	49.75422	1.03173	5.16039	1.00357	0.97674	5.03866	0.52421	1.03920	1.02722
%RSD	0.08115	0.39471	0.15149	0.22315	0.31595	0.35692	0.06662	0.62170	0.37568

ted: 2/18/2009 13:58:31 User: ROY FRENCH

	Si	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	4.87433	1.02911	0.15537	0.48500	0.53134	4.95052	0.50360	0.98234
#2	4.86910	1.01797	0.15017	0.48409	0.53029	4.94585	0.50211	0.97427
Mean	4.87171	1.02354	0.15277	0.48454	0.53082	4.94819	0.50286	0.97831
%RSD	0.07592	0.76973	2.40669	0.13316	0.14000	0.06671	0.20929	0.58281

	Zr	Pb	Se
	ppm	calc	calc
#1	1.00240	0.98475	1.03091
#2	1.00103	0.98660	1.03151
Mean	1.00171	0.98568	1.03121
%RSD	0.09686	0.13317	0.04098

Method : Paragon File : 090218A Printed : 2/18/2009 13:58:29

SampleId1 : CCB SampleId2 :

Analysis commenced : 2/18/2009 13:27:14

Dilution ratio : 1.00000 to 1.00000 Tray : [CB]

Position : STD2

Final concentrations

	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00033	0.06105	-0.00071	0.00148	0.00030	0.00008	0.00107	-0.02098	-0.00028
#2	-0.00001	0.05521	-0.00156	0.00115	0.00030	0.00006	-0.00106	-0.02027	0.00017
Mean	-0.00017	0.05813	-0.00113	0.00131	0.00030	0.00007	0.00000	-0.02063	-0.00005
%RSD	130.28230	7.10922	53.27161	18.11248	0.00000	15.03944	32538.65490	2.43709	603.09626

	Co	Cr	Cu	Fe	K	Li	Mg	Mn	Mo
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00027	-0.00033	-0.00122	-0.00058	0.24620	0.00520	-0.01389	0.00011	-0.00018
#2	-0.00027	-0.00047	-0.00128	-0.00058	0.25798	0.00523	-0.01340	0.00015	-0.00008
Mean	-0.00027	-0.00040	-0.00125	-0.00058	0.25209	0.00521	-0.01365	0.00013	-0.00013
%RSD	0.03426	24.61821	3.78803	0.00000	3.30211	0.30727	2.49616	21.12548	50.27536

	Na	Ni	P	Pb I	Pb II	S	Sb	Se I	Se II
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	0.23008	-0.00042	0.00516	-0.00109	-0.00229	-0.02122	-0.00063	0.00089	0.00038
#2	0.22984	-0.00099	-0.00069	-0.00140	-0.00015	-0.02467	-0.00209	0.00196	0.00265
Mean	0.22996	-0.00070	0.00223	-0.00125	-0.00122	-0.02294	-0.00136	0.00143	0.00152
%RSD	0.07160	57.77329	185.19267	17.70365	124.11699	10.62438	76.25499	53.18742	105.62133

	Si	Sn	Sr	Th	Ti	Tl	U	V	Zn
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
#1	-0.00967	-0.00193	-0.00055	-0.00023	-0.00019	0.00219	-0.00647	-0.00039	-0.02012
#2	-0.01047	-0.00091	-0.00054	0.00217	-0.00013	-0.00027	-0.00259	-0.00009	-0.01923
Mean	-0.01007	-0.00142	-0.00055	0.00097	-0.00016	0.00096	-0.00453	-0.00024	-0.01967
%RSD	5.57812	50.83075	1.79341	174.65399	27.27397	181.79745	60.48452	89.36235	3.19835

	Zr	Pb	SeNCH
	ppm	calc	calc
#1	0.00024	-0.00189	0.00055
#2	-0.00007	-0.00057	0.00242
Mean	0.00009	-0.00123	0.00149
%RSD	255.88399	76.15737	88.87094

HEADER INFORMATION FOR ANALYTICAL SEQUENCE

MS090218A

REM

STANDARD SOLUTIONS

ST080818-14 = 40 PPM - Al; 10 PPM - Pb; 4 PPM - As, Se; 2 PPM - Cd, Ag, Sb, U, Mo; 0.1 PPM - Tl, Th. EXPIRES: 01/10/10.

ST090202-9 = 2 PPM - Cu, Be, La, Ce, Nd, Pr, Re, V, Y. EXPIRES: 01/10/10.

ST080818-17 = 100 PPM - Zn and 10 PPM - Mn. EXPIRES: 01/10/10.

CALIBRATION STANDARDS

HIGH STD (500ppb Zn; 200 ppb - Al; 50 ppb - Pb, Mn; 20 ppb - As, Se; 10ppb - Cd, Ag, Sb, U, Mo, Cu, Be, La, Ce, Nd, Pr, Re, V, Y; 0.5ppb - Tl, Th. Made daily by diluting (ST080818-14, ST080818-17 and ST090202-9) 200 fold, (0.05ml up to a 10 ml final volume).

HIGH/2 LEVEL STD (250ppb Zn; 100 ppb - Al; 25 ppb - Pb, Mn; 10 ppb - As, Se; 5ppb - Cd, Ag, Sb, U, Mo, Cu, Be, La, Ce, Nd, Pr, Re, V, Y; 0.25ppb - Tl, Th.) Made daily by diluting 5.0ml of the HIGH STD calibration standard up to a 10ml final volume, (400 fold dilution of ST080818-14, ST080818-17 and ST090202-9).

MID LEVEL STD (100ppb Zn; 40 ppb - Al; 10 ppb - Pb, Mn; 4 ppb - As, Se; 2ppb - Cd, Ag, Sb, U, Mo, Cu, Be, La, Ce, Nd, Pr, Re, V, Y; 0.1ppb - Tl, Th.) Made daily by diluting 2.0ml of the HIGH STD calibration standard up to a 10ml final volume, (1000 fold dilution of ST080818-14, ST080818-17 and ST090202-9).

LOW LEVEL STD (50ppb Zn; 20 ppb - Al; 5 ppb - Pb, Mn; 2 ppb - As, Se; 1ppb - Cd, Ag, Sb, U, Mo, Cu, Be, La, Ce, Nd, Pr, Re, V, Y; 0.05ppb - Tl, Th) Made daily by diluting 1.0ml of the HIGH STD calibration standard up to a 10ml final volume, (2000 fold dilution of ST080818-14, ST080818-17 and ST090202-9).

LOW/2 LEVEL STD (25ppb Zn; 10 ppb - Al; 2.5 ppb - Pb, Mn; 1 ppb - As, Se; 0.5ppb - Cd, Ag, Sb, U, Mo, Cu, Be, La, Ce, Nd, Pr, Re, V, Y; 0.025ppb - Tl, Th.) Made daily by diluting 0.5ml of the HIGH STD calibration standard up to a 10ml final volume, (4000 fold dilution of ST080818-14, ST080818-17 and ST090202-9).

LOW/10 LEVEL STD (5 ppb Zn; 2 ppb - Al; 0.5 ppb - Pb, Mn; 0.2 ppb - As, Se; 0.1ppb - Cd, Ag, Sb, U, Mo, Cu, Be, La, Ce, Nd, Pr, Re, V, Y; 0.005ppb - Tl, Th.) Made daily by diluting 1.0ml of the LOW LEVEL STD calibration standard up to a 10ml final volume, (20,000 fold dilution of ST080818-14, ST080818-17 and ST090202-9).

LOW/20 LEVEL STD (2.5ppb Zn; 1 ppb - Al; 0.25 ppb - Pb, Mn; 0.1 ppb - As, Se; 0.05ppb - Cd, Ag, Sb, U, Mo, Cu, Be, La, Ce, Nd, Pr, Re, V, Y; 0.0025ppb - Tl, Th.) Made daily by diluting 0.5ml of

the LOW LEVEL STD calibration standard up to a 10ml final volume, (40,000 fold dilution of ST080818-14, ST080818-17 and ST090202-9).

LOW/100 LEVEL STD (0.5 ppb Zn; 0.2 ppb - Al; 0.05 ppb - Pb, Mn; 0.02 ppb - As, Se; 0.01ppb - Cd, Ag, Sb, U, Mo,Cu,Be,La,Ce,Nd,Pr,Re,V,Y; 0.0005ppb - Tl, Th.) Made daily by diluting 1.0ml of the LOW/10 LEVEL STD calibration standard up to a 10ml final volume, (200,000 fold dilution of ST080818-14, ST080818-17 and ST090202-9).

INTERFERENCE CHECK SOLUTIONS

ICSA Made daily by diluting 0.1ml of (ST081103-6--EXPIRES: 11/01/09) up to a 10ml final volume, (100 fold dilution). The ICSA working solution contains the following elements and concentrations:

Element	Concentration (PPM)
Cl	212.15
Ca	30
Fe,Na	25
C	20
Al,K,Mg,P,S	10
Mo,Ti	0.2

ICSAB Made daily by diluting 0.1ml of (ST081103-6--EXPIRES: 11/01/09) and 2ml of the HIGH STD calibration standard up to a 10ml final volume. (This solution is a 100 fold dilution of ST081103-6 and a 1000 fold dilution of ST080818-14, ST080818-17 and ST090202-9.) The ICSAB working solution contains the following elements and concentrations:

Element	Concentration (PPM)
Cl	212.15
Ca	30
Fe,Na	25
C	20
Al,K,Mg,P,S	10
Mo,Ti	0.2
Pb,Mn	0.01
As,Se	0.004
Ag,Sb,U,Cd	0.002
Tl,Th	0.0001
Cu,Be,La,Ce,Nd,Pr,Re,V,Y	0.002
Zn	0.1

NOTE: When analyzing for As and/or Se, the ICSA and ICSAB solutions are passed through a cation exchange column.

ICSA_MO – Direct analysis of (ST080818-15 Expires 01-10-10). This solution is custom and made to be as close as possible to the ICSA above, without Mo. This ICSA working solution contains the following elements and concentrations:

Element	Concentration (PPM)
Ca	30
Fe,Na	25
Al,K,Mg,P	10
Ti	0.2

ICSAB_MO Made daily by diluting 0.04ml of (ST090112-7--EXPIRES: 04/06/10) up to a 10ml final volume with ICSA (Mo) solution above (ST080818-15 Expires 01-10-10). (This solution is a 250 fold dilution of ST090112-7.) This ICSAB working solution contains the following elements and concentrations:

Element	Concentration (PPM)
Ca	30
Fe,Na	25
Al,K,Mg,P	10
Ti	0.2
Mo	0.002
Pb	0.01
As,Se	0.004
Ag,Sb,U,Cd	0.002
Tl,Th	0.0001

CALIBRATION CHECK STANDARDS

ICV Made daily by diluting ICV second source intermediates (ST090112-7--EXPIRES: 04/06/10), (ST090112-8--EXPIRES: 02/28/10) and (ST090112-3--EXPIRES: 12/31/09) 200 fold, (0.05ml up to a 10ml final volume). The ICV working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	50
Pb,Mn	12.5
As,Se	5
Ag,Sb,U,Mo,Cd	2.5
Tl,Th	0.125
Cu,Be,La,Ce,Nd,Pr,Re,V,Y	2.5
Zn	125

CCV Made daily by diluting 2.0ml of the HIGH STD calibration standard up to a 10ml final volume, (1000 fold dilution of ST080818-14, ST080818-17 and ST090202-9). The CCV working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	40
Pb,Mn	10
As,Se	4
Ag,Sb,U,Mo,Cd	2
Tl,Th	0.1
Cu,Be,La,Ce,Nd,Pr,Re,V,Y	2.0
Zn	100

CRI_LOW/100 Re-analysis of the LOW/100 LEVEL STD (made daily as described above). The CRI working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	0.2
As,Se	0.02
U,Mo,Cd,Ag,Sb	0.01
Cu,Be,La,Ce,Nd,Pr,Re,V,Y	0.01
Pb,Mn	0.05
Tl,Th	0.0005
Zn	0.5

CRI_LOW/20 Re-analysis of the LOW/20 LEVEL STD (made daily as described above). The CRI working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	1.0
As,Se	0.1
U,Mo,Cd,Ag,Sb	0.05
Cu,Be,La,Ce,Nd,Pr,Re,V,Y	0.05
Pb,Mn	0.25
Tl,Th	0.0025
Zn	2.5

CRI_LOW/10 Re-analysis of the LOW/10 LEVEL STD (made daily as described above). The CRI working solution contains the following elements and concentrations:

Element	Concentration (ppb)
Al	2.0
As,Se	0.2
U,Mo,Cd,Ag,Sb	0.1
Cu,Be,La,Ce,Nd,Pr,Re,V,Y	0.1
Pb,Mn	0.5
Tl,Th	0.0050
Zn	5.0

BLANK

ICB / CCB and all diluent – 1% HNO₃, 1% HCl in double deionized water.

INTERNAL STANDARDS

Internal Standard Intermediate (ST090112-4 --EXPIRES: 04/06/10) contains 1 PPM each of Bi, Rh, In; and 2 PPM each of Ga, Pt. This intermediate is added to all standards and samples in the same proportion of 1 on top of 100. Most often this is done by adding 0.05ml of Internal Standard Intermediate on top of 5ml of sample or standard. The final concentration of internal standard in the working solutions or samples is about 10 ppb In, Rh, Bi; and 20 ppb Ga, Pt.

ACID LOT NUMBERS

HNO₃ – G17027
HCl – G36024

PIPET ID NUMBERS

1.0 to 5.0ml -- M-66
0.1 to 1.0ml – M-60
0.01 to 0.1ml -- M-56

DILUTIONS

2X dilutions made by diluting 5ml of sample to a 10ml final volume.
5X dilutions made by diluting 1ml of sample to a 5ml final volume.
10X dilutions made by diluting 1ml of sample to a 10ml final volume.
50X dilutions made by diluting 0.1ml of sample to a 5ml final volume.

100X dilutions made by diluting 0.1ml of sample to a 10ml final volume.
200X dilutions made by diluting 0.05ml of sample to a 10ml final volume.

ANALYTICAL SPIKES

None in this sequence.

DAILY MAINTENANCE ITEMS

1. Check / change pump tubing
2. Check / empty drain containers
3. Tune instrument per manufacturer's procedures
4. Perform ten minute stability test (include results with data package)

MONTHLY MAINTENANCE ITEMS

1. Check / clean torch and cones for deposits
2. Check / clean nebulizer and spray chamber
3. Check / fill water recirculating reservoirs
4. Check / fill vacuum pump oil

COMMENTS

The IDL / MDL working solution contains the following elements and concentrations:

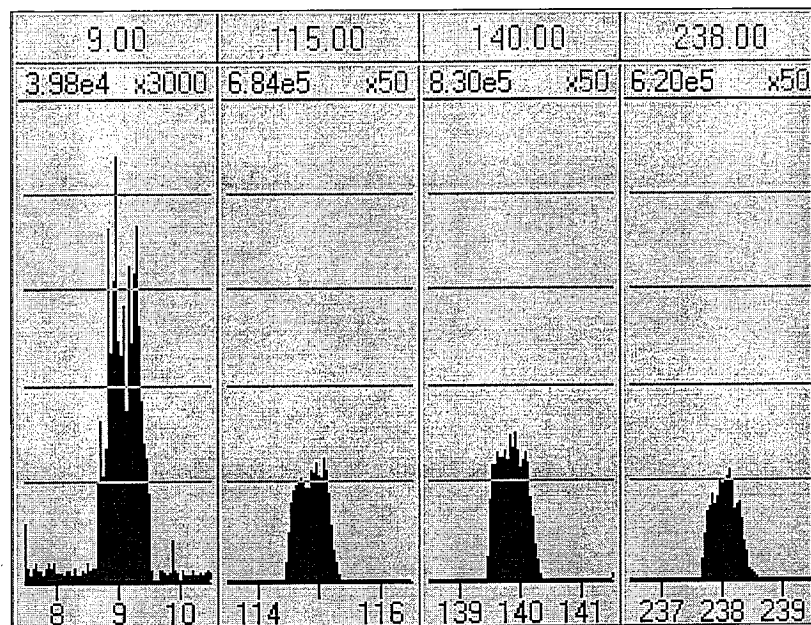
Element	Concentration (ppb)
Al	1.2
Cd,Tl,Ag,Th	0.008
As	0.05
Mo	0.03
Ce,La,Pr,Nd,Y	0.01
Re	0.02
U	0.002
Be,Cu,Mn	0.1
Zn	0.5
Sb	0.025
Pb	0.015
Se,V	0.06

Tuning Method Report

Page 1

Method: D:\MASSLYNX PROJECTS\AUG2002.PRO\ACQUDB\14AUGJTF TUNE

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ANALYSER	Set	Rdbk	TORCH	Set
Cone Lens	75	-90	X-Axis	2.27 2.28
Hex Exit Lens	400	419	Y-Axis	-0.10 -0.08
Hex Bias	0.2		Z-Axis	0.50 0.49
LM Resolution	12.5		Forward Power	1355 1355
High Resolution	12.5			
Ion Energy	2.0			
Multiplier	530	-545		
			GAS	Set
			Cool Gas	13.50 13.47
			Intermediate Gas	0.72 0.72
			Nebuliser Gas 1	0.72 0.72
			Nebuliser Gas 2	0.00 0.01
			Helium	5.0 4.9
			Hydrogen	5.0 5.0
			Hexapole Aux	0.00 0.36
			Laser Gas	0.00 0.26
Pressures	Rdbk			
Analyser Vacuum	2.6e-5			

Quantify Compound Summary Report
18FEB09

Page 1

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 18FEB09
Last modified: Wed Feb 18 10:40:28 2009
Method: D:\MassLynx Projects\AUG2002.PRO\MethDE\Tune QUANT
Last modified: Wed Mar 28 10:37:26 2007
Job Code:

Printed: Wed Feb 18 10:54:05 2009

Compound 1: 9Be

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	i
1	18FEB09 01			19339		0.090	18-Feb-09	10
2	18FEB09 02			19444		0.106	18-Feb-09	10
3	18FEB09 03			19321		0.175	18-Feb-09	10
4	18FEB09 04			19420		0.108	18-Feb-09	10
5	18FEB09 05			19143		0.093	18-Feb-09	10
6	18FEB09 06			19191		0.095	18-Feb-09	10
7	18FEB09 07			19142		0.103	18-Feb-09	10
8	18FEB09 08			19083		0.111	18-Feb-09	10
9	18FEB09 09			19285		0.105	18-Feb-09	10
10	18FEB09 10			18953		0.127	18-Feb-09	10

Quantify Compound Summary Report
18FEB09

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Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 18FEB09
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Compound 2: 24Mg

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	i
1	18FEB09 01			53502		0.069	18-Feb-09 10	
2	18FEB09 02			53501		0.069	18-Feb-09 10	
3	18FEB09 03			53510		0.096	18-Feb-09 10	
4	18FEB09 04			52830		0.073	18-Feb-09 10	
5	18FEB09 05			52971		0.069	18-Feb-09 10	
6	18FEB09 06			53770		0.060	18-Feb-09 10	
7	18FEB09 07			53941		0.072	18-Feb-09 10	
8	18FEB09 08			53803		0.067	18-Feb-09 10	
9	18FEB09 09			53001		0.068	18-Feb-09 10	
10	18FEB09 10			54089		0.077	18-Feb-09 10	

Quantify Compound Summary Report
18FEB09

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Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 18FEB09
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Compound 3: 59Co

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	i
1	18FEB09 01			164402		0.035	18-Feb-09	10
2	18FEB09 02			164837		0.037	18-Feb-09	10
3	18FEB09 03			163767		0.056	18-Feb-09	10
4	18FEB09 04			163630		0.033	18-Feb-09	10
5	18FEB09 05			163269		0.037	18-Feb-09	10
6	18FEB09 06			162839		0.040	18-Feb-09	10
7	18FEB09 07			165925		0.034	18-Feb-09	10
8	18FEB09 08			165248		0.030	18-Feb-09	10
9	18FEB09 09			164576		0.033	18-Feb-09	10
10	18FEB09 10			166425		0.031	18-Feb-09	10

Quantify Compound Summary Report
18FEB09

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Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 18FEB09
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Compound 4: 60Ni

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	i
1	18FEB09 01			30704		0.088	18-Feb-09	10
2	18FEB09 02			30981		0.093	18-Feb-09	10
3	18FEB09 03			30625		0.130	18-Feb-09	10
4	18FEB09 04			30791		0.090	18-Feb-09	10
5	18FEB09 05			30691		0.105	18-Feb-09	10
6	18FEB09 06			30534		0.093	18-Feb-09	10
7	18FEB09 07			30724		0.103	18-Feb-09	10
8	18FEB09 08			31263		0.089	18-Feb-09	10
9	18FEB09 09			31292		0.103	18-Feb-09	10
10	18FEB09 10			31118		0.076	18-Feb-09	10

Quantify Compound Summary Report
18FEB09

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Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 18FEB09
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Compound 5: 115In

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	i
1	18FEB09 01			584832		0.015	18-Feb-09	10
2	18FEB09 02			589367		0.015	18-Feb-09	10
3	18FEB09 03			582967		0.020	18-Feb-09	10
4	18FEB09 04			588654		0.020	18-Feb-09	10
5	18FEB09 05			582327		0.016	18-Feb-09	10
6	18FEB09 06			580480		0.015	18-Feb-09	10
7	18FEB09 07			585179		0.015	18-Feb-09	10
8	18FEB09 08			583643		0.016	18-Feb-09	10
9	18FEB09 09			584155		0.014	18-Feb-09	10
10	18FEB09 10			588942		0.014	18-Feb-09	10

Quantify Compound Summary Report
18FEB09

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Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 18FEB09
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Compound 6: 140Ce

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	i
1	18FEB09 01			706981		0.012	18-Feb-09	10
2	18FEB09 02			718482		0.010	18-Feb-09	10
3	18FEB09 03			698752		0.019	18-Feb-09	10
4	18FEB09 04			715465		0.012	18-Feb-09	10
5	18FEB09 05			706615		0.013	18-Feb-09	10
6	18FEB09 06			710473		0.011	18-Feb-09	10
7	18FEB09 07			710290		0.012	18-Feb-09	10
8	18FEB09 08			709376		0.011	18-Feb-09	10
9	18FEB09 09			707127		0.012	18-Feb-09	10
10	18FEB09 10			713756		0.012	18-Feb-09	10

Quantify Compound Summary Report
18FEB09

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Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 18FEB09
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Compound 10: Lead

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	i
1	18FEB09 01			473452		0.000	18-Feb-09	10
2	18FEB09 02			474330		0.000	18-Feb-09	10
3	18FEB09 03			469514		0.000	18-Feb-09	10
4	18FEB09 04			470120		0.000	18-Feb-09	10
5	18FEB09 05			469965		0.000	18-Feb-09	10
6	18FEB09 06			469074		0.000	18-Feb-09	10
7	18FEB09 07			472311		0.000	18-Feb-09	10
8	18FEB09 08			465320		0.000	18-Feb-09	10
9	18FEB09 09			470690		0.000	18-Feb-09	10
10	18FEB09 10			472930		0.000	18-Feb-09	10

Quantify Compound Summary Report
18FEB09

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Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 18FEB09
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Job Code:

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Compound 11: 209Bi

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	
1	18FEB09 01			412224		0.018	18-Feb-09	10
2	18FEB09 02			414107		0.016	18-Feb-09	10
3	18FEB09 03			413294		0.036	18-Feb-09	10
4	18FEB09 04			410907		0.021	18-Feb-09	10
5	18FEB09 05			408923		0.019	18-Feb-09	10
6	18FEB09 06			408507		0.015	18-Feb-09	10
7	18FEB09 07			412384		0.017	18-Feb-09	10
8	18FEB09 08			408443		0.019	18-Feb-09	10
9	18FEB09 09			408965		0.018	18-Feb-09	10
10	18FEB09 10			412210		0.019	18-Feb-09	10

Quantify Compound Summary Report
18FEB09

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Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 18FEB09
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Job Code:

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Compound 12: 238U

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	
1	18FEB09 01			548827		0.017	18-Feb-09	10
2	18FEB09 02			546633		0.017	18-Feb-09	10
3	18FEB09 03			543977		0.024	18-Feb-09	10
4	18FEB09 04			544786		0.018	18-Feb-09	10
5	18FEB09 05			541934		0.016	18-Feb-09	10
6	18FEB09 06			537554		0.019	18-Feb-09	10
7	18FEB09 07			540178		0.018	18-Feb-09	10
8	18FEB09 08			539301		0.016	18-Feb-09	10
9	18FEB09 09			541422		0.015	18-Feb-09	10
10	18FEB09 10			538937		0.017	18-Feb-09	10

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 18FEB09
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Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\Tune QUANT
Last modified: Wed Mar 28 10:37:26 2007
Job Code:

Printed: Wed Feb 18 10:54:05 2009

Compound 13: 254UO

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	i
1	18FEB09 01			25457		0.106	18-Feb-09	10
2	18FEB09 02			25597		0.100	18-Feb-09	10
3	18FEB09 03			25639		0.137	18-Feb-09	10
4	18FEB09 04			25597		0.128	18-Feb-09	10
5	18FEB09 05			25268		0.133	18-Feb-09	10
6	18FEB09 06			24863		0.101	18-Feb-09	10
7	18FEB09 07			25123		0.132	18-Feb-09	10
8	18FEB09 08			24685		0.108	18-Feb-09	10
9	18FEB09 09			25217		0.121	18-Feb-09	10
10	18FEB09 10							

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\stability 18FEB09
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Job Code:

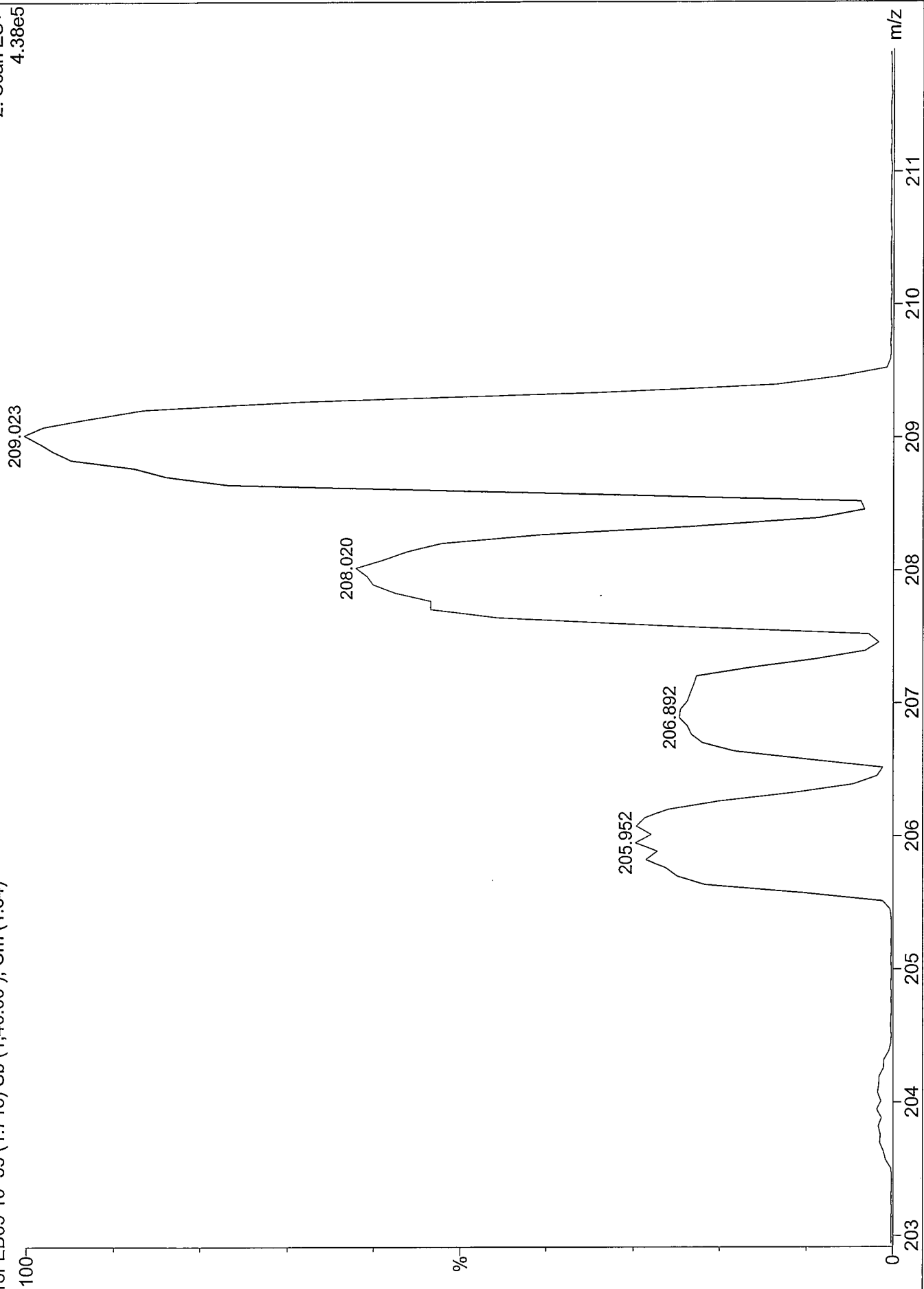
Printed: Wed Feb 18 10:54:05 2009

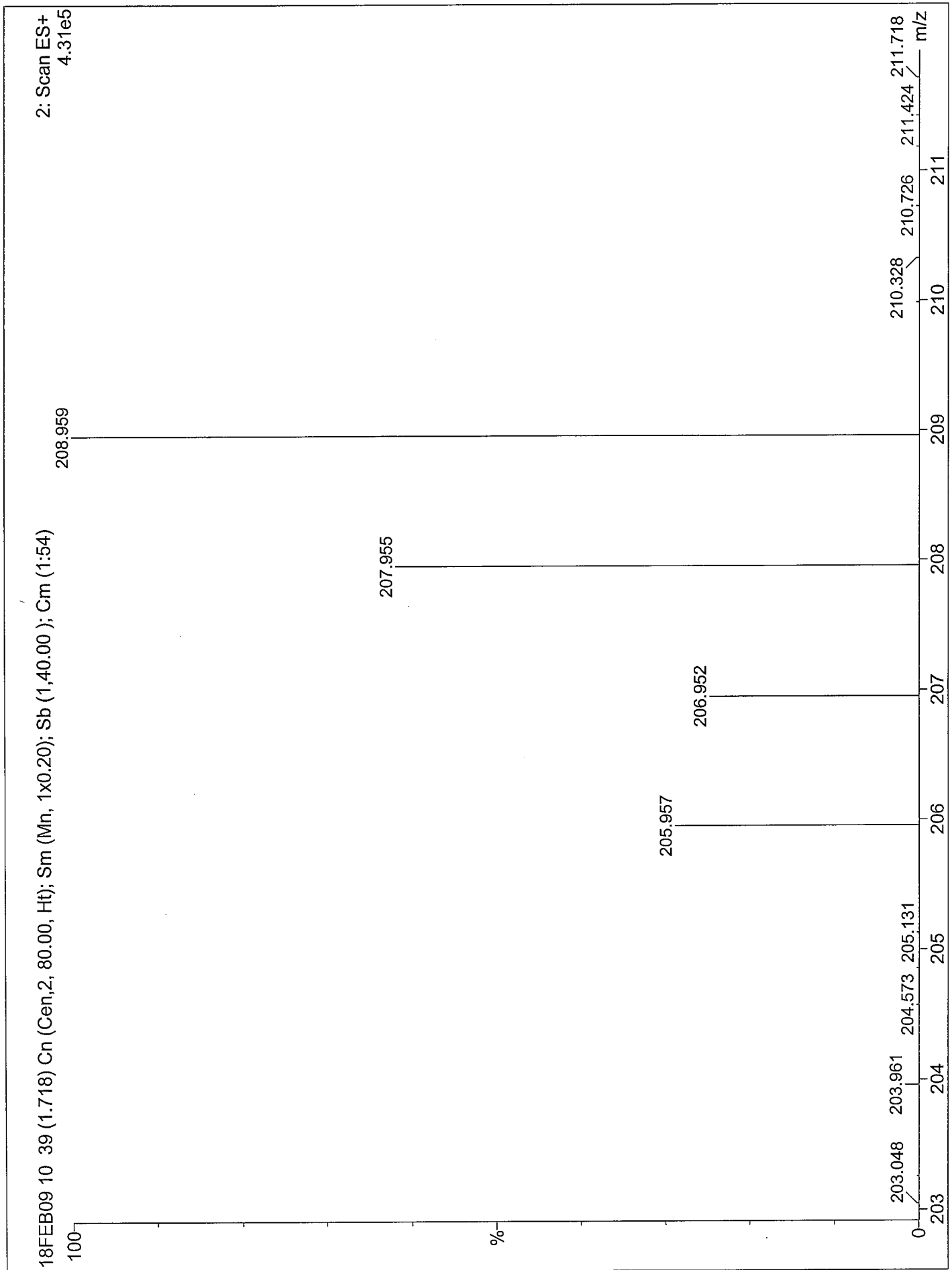
Compound 14: 220BKGD

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	i
1	18FEB09 01			19		17.006	18-Feb-09	10
2	18FEB09 02			18		12.264	18-Feb-09	10
3	18FEB09 03			18		15.920	18-Feb-09	10
4	18FEB09 04			19		17.405	18-Feb-09	10
5	18FEB09 05			19		14.749	18-Feb-09	10
6	18FEB09 06			19		13.278	18-Feb-09	10
7	18FEB09 07			21		13.246	18-Feb-09	10
8	18FEB09 08			18		16.529	18-Feb-09	10
9	18FEB09 09			19		18.986	18-Feb-09	10
10	18FEB09 10			15		19.881	18-Feb-09	10

18FEB09 10 39 (1.718) Sb (1,40.00); Cm (1:54)

2: Scan ES+
4.38e5





Quantify Compound Summary Report

18FEB09A

Sample List: D:\Masslynx Projects\AUG2002.PRO\SampleDB\18FEB09A

Last modified: Wed Feb 18 15:59:26 2009

Method: D:\Masslynx Projects\AUG2002.PRO\MethDB\CD_U_PB_AS_SE_MN+IS

Last modified: Wed Feb 18 11:15:29 2009

Job Code:

Printed: Wed Feb 18 16:00:54 2009

Compound 3: 78Se

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	18FEB09A 01	RINSE	0.0029266	69	446874	4.718	18-Feb-09	11:17:48	2
2	18FEB09A 02	RINSE	0.011245	76	444730	3.891	18-Feb-09	11:19:44	2
3	18FEB09A 03	RINSE	0.0058363	72	449517	6.112	18-Feb-09	11:21:58	2
4	18FEB09A 04	0 STD	0.018933	83	445933	4.993	18-Feb-09	11:24:32	2
5	18FEB09A 05	L/100 STD	0.013367	80	456890	3.745	18-Feb-09	11:27:05	2
6	18FEB09A 06	L/20 STD	0.065455	125	449037	3.454	18-Feb-09	11:29:39	2
7	18FEB09A 07	L/10 STD	0.12348	173	439622	2.182	18-Feb-09	11:32:13	2
8	18FEB09A 08	LOW/2 STD	1.0941	1038	444557	0.967	18-Feb-09	11:34:48	2
9	18FEB09A 09	LOW STD	2.0364	1945	458163	0.375	18-Feb-09	11:37:23	2
10	18FEB09A 10	MID STD	4.0127	3799	456397	0.366	18-Feb-09	11:39:58	2
11	18FEB09A 11	HIGH/2 STD	9.9665	9715	462618	0.175	18-Feb-09	11:42:34	2
12	18FEB09A 12	HIGH STD	20.008	19936	470906	0.136	18-Feb-09	11:45:30	2
13	18FEB09A 13	HIGH STD READBACK	19.687	19724	473248	0.162	18-Feb-09	11:48:42	2
14	18FEB09A 14	ICV	5.0879	4805	454266	0.313	18-Feb-09	11:52:08	2
15	18FEB09A 15	ICB	0.021381	84	439834	3.703	18-Feb-09	11:57:06	2
16	18FEB09A 16	CRI_L/100	0.030036	93	446822	4.516	18-Feb-09	11:59:43	2
17	18FEB09A 17	ICSA	0.050497	103	414144	3.731	18-Feb-09	12:02:18	2
18	18FEB09A 18	ICSAB	4.1298	3631	423776	0.329	18-Feb-09	12:04:52	2
19	18FEB09A 19	IP090217-2MB 10X	0.013075	77	441216	5.231	18-Feb-09	12:07:26	2
20	18FEB09A 20	IP090217-2LCS 10X	4.0898	3817	449862	0.401	18-Feb-09	12:11:22	2
21	18FEB09A 21	0902092-4 10X	0.0056839	73	456621	4.251	18-Feb-09	12:13:57	2
22	18FEB09A 22	ZZZZZZ	0.014121	82	464352	5.293	18-Feb-09	12:17:53	2
23	18FEB09A 23	ZZZZZZ	0.036652	104	470048	3.320	18-Feb-09	12:20:30	2
24	18FEB09A 24	0902117-1D 10X	0.032771	100	468256	3.406	18-Feb-09	12:23:07	2
25	18FEB09A 25	0902117-1L 50X	0.013842	82	465811	4.436	18-Feb-09	12:25:44	2
26	18FEB09A 26	CCV	4.0415	3773	450029	0.363	18-Feb-09	12:28:21	2
27	18FEB09A 27	CCB	0.024032	84	428058	4.097	18-Feb-09	12:30:57	2
28	18FEB09A 28	0902117-1MS 10X	4.3335	4112	457197	0.303	18-Feb-09	12:33:32	2
29	18FEB09A 29	0902117-1MSD 10X	4.1027	3978	467360	0.267	18-Feb-09	12:36:09	2
30	18FEB09A 30	0902117-2 10X	0.036741	104	469677	4.243	18-Feb-09	12:38:45	2
31	18FEB09A 31	0902117-3 10X	0.026873	88	435930	5.135	18-Feb-09	12:42:39	2

① = do not use for Se

Quantify Compound Summary Report
18FEB09A

Sample List: D:\Masslynx Projects\AUG2002.PRO\SampleDB\18FEB09A
 Last modified: Wed Feb 18 15:59:26 2009
 Method: D:\Masslynx Projects\AUG2002.PRO\MethDB\CD_U_PB_AS_SE_MN+IS
 Last modified: Wed Feb 18 11:15:29 2009
 Job Code:

Printed: Wed Feb 18 16:00:54 2009

Compound 3 : 785e

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
32	18FEB09A 32	0902118-2 10X	0.033102	98	457485	4.036	18-Feb-09	12:45:14	2
33	18FEB09A 33	0902118-4 10X	0.030949	96	457261	4.293	18-Feb-09	12:47:49	2
34	18FEB09A 34	0902117-1 10X	0.039590	105	462394	4.341	18-Feb-09	12:53:17	2
35	18FEB09A 35	0902092-5 100X	0.019295	87	465626	4.415	18-Feb-09	12:55:53	2
36	18FEB09A 36	CCV	4.1885	3880	446445	0.359	18-Feb-09	12:58:30	2
37	18FEB09A 37	CCB	0.023640	83	424646	5.225	18-Feb-09	13:01:05	2
38	18FEB09A 38	IP090217-1MB 10X	0.013302	76	434368	4.250	18-Feb-09	13:32:30	2
39	18FEB09A 39	IM090217-1LCS 10X	4.0444	3782	450771	0.362	18-Feb-09	13:35:05	2
40	18FEB09A 40	0902111-1 10X	0.42197	326	330125	1.304	18-Feb-09	13:37:41	2
41	18FEB09A 41	0902102-1 100X	0.30218	359	479437	1.621	18-Feb-09	13:41:37	2
42	18FEB09A 42	0902102-1D 100X	0.32421	380	479392	1.481	18-Feb-09	13:44:14	2
43	18FEB09A 43	0902102-1L 500X	0.067124	134	475712	2.546	18-Feb-09	13:46:52	2
44	18FEB09A 44	0902102-1MS 100X	1.0521	1084	481722	0.847	18-Feb-09	13:49:30	2
45	18FEB09A 45	0902102-1MSD 100X	0.98887	1002	471962	0.867	18-Feb-09	13:52:06	2
46	18FEB09A 46	ZZZZZ	0.036375	102	462157	3.734	18-Feb-09	13:54:41	2
47	18FEB09A 47	ZZZZZ	0.023193	90	462554	4.336	18-Feb-09	13:57:16	2
48	18FEB09A 48	CCV	3.9896	3785	457357	0.349	18-Feb-09	13:59:52	2
49	18FEB09A 49	CCB	0.018255	81	438349	4.082	18-Feb-09	14:04:47	2
50	18FEB09A 50	ZZZZZ	0.018776	86	462822	3.782	18-Feb-09	14:07:22	2
51	18FEB09A 51	ZZZZZ	0.012118	79	457651	3.780	18-Feb-09	14:09:58	2
52	18FEB09A 52	ZZZZZ	0.067449	129	456915	2.861	18-Feb-09	14:12:34	2
53	18FEB09A 53	ZZZZZ	0.068716	130	456397	2.688	18-Feb-09	14:15:11	2
54	18FEB09A 54	ZZZZZ	0.071318	128	441376	3.608	18-Feb-09	14:17:48	2
55	18FEB09A 55	CCV	4.1129	3907	457875	0.348	18-Feb-09	14:20:25	2
56	18FEB09A 56	CCB	0.021003	81	425798	4.998	18-Feb-09	14:23:01	2
57	18FEB09A 57	0902102-2 50X	0.26442	317	470579	1.630	18-Feb-09	14:56:15	2
58	18FEB09A 58	0902102-3 50X	0.14573	203	463782	1.861	18-Feb-09	14:58:49	2
59	18FEB09A 59	0902102-4 10X	0.18009	223	440742	2.282	18-Feb-09	15:01:27	2
60	18FEB09A 60	0902102-5 10X	0.18445	225	437210	2.444	18-Feb-09	15:04:05	2
61	18FEB09A 61	0902102-6 100X	0.32122	370	470310	1.404	18-Feb-09	15:06:42	2
62	18FEB09A 62	0902102-7 50X	0.23037	285	470368	2.051	18-Feb-09	15:09:17	2

① = do not use for Se

Quantify Compound Summary Report
18FEB09A

Sample List: D:\Masslynx Projects\AUG2002.PRO\SampleDB\18FEB09A
 Last modified: Wed Feb 18 15:59:26 2009
 Method: D:\Masslynx Projects\AUG2002.PRO\MethDB\CD_U_PB_AS_SE_MN+IS
 Last modified: Wed Feb 18 11:15:29 2009
 Job Code:

Printed: Wed Feb 18 16:00:54 2009

Compound 3: 78Se

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
63	18FEB09A 63	CCV	3.8703	3633	452595	0.362	18-Feb-09	15:11:53	2
64	18FEB09A 64	CCB	0.012789	75	431155	4.582	18-Feb-09	15:14:29	2
65	18FEB09A 65	ICSA_CEC	0.0049991	75	473146	4.870	18-Feb-09	15:38:28	2
66	18FEB09A 66	ICSAB_CEC	3.9022	3839	474323	0.272	18-Feb-09	15:41:03	2
67	18FEB09A 67	IP090217-1MB 10X	0.046363	111	461523	3.643	18-Feb-09	15:43:39	2
68	18FEB09A 68	IM090217-1LCS 10X	4.1637	3982	460934	0.299	18-Feb-09	15:46:15	2
69	18FEB09A 69	0902111-1 10X	0.033080	99	462246	3.642	18-Feb-09	15:48:52	2
70	18FEB09A 70	CCV	4.0976	3732	439008	0.257	18-Feb-09	15:51:30	2
71	18FEB09A 71	CCB	0.021923	82	426963	4.224	18-Feb-09	15:54:06	2
72	18FEB09A 72	RINSE							

Quantify Compound Summary Report

18FEB09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\18FEB09A

Last modified: Wed Feb 18 15:59:26 2009

Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_U_PB_AS_SE_MN+IS

Last modified: Wed Feb 18 11:15:29 2009

Job Code:

Printed: Wed Feb 18 16:00:54 2009

Compound 6: 1Cadmium

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	18FEB09A 01	RINSE	0.0051380	27	528058	0.000	18-Feb-09	11:17:48	1
2	18FEB09A 02	RINSE	0.0042482	23	525306	0.000	18-Feb-09	11:19:44	1
3	18FEB09A 03	RINSE	0.0047081	25	525606	0.000	18-Feb-09	11:21:58	1
4	18FEB09A 04	0 STD	0.0049822	26	521594	0.000	18-Feb-09	11:24:32	1
5	18FEB09A 05	L/100 STD	0.0095650	47	534970	0.000	18-Feb-09	11:27:05	1
6	18FEB09A 06	L/20 STD	0.036953	164	520429	0.000	18-Feb-09	11:29:39	1
7	18FEB09A 07	L/10 STD	0.075685	328	516819	0.000	18-Feb-09	11:32:13	1
8	18FEB09A 08	LOW/2 STD	0.50141	2178	517254	0.000	18-Feb-09	11:34:48	1
9	18FEB09A 09	LOW STD	1.0515	4716	526797	0.000	18-Feb-09	11:37:23	1
10	18FEB09A 10	MID STD	1.9936	9181	529478	0.000	18-Feb-09	11:39:58	1
11	18FEB09A 11	HIGH/2 STD	4.9878	24378	536781	0.000	18-Feb-09	11:42:34	1
12	18FEB09A 12	HIGH STD	10.003	50330	549786	0.000	18-Feb-09	11:45:30	1
13	18FEB09A 13	HIGH STD READBACK	10.133	50508	545229	0.000	18-Feb-09	11:48:42	1
14	18FEB09A 14	ICV	2.5648	12016	532550	0.000	18-Feb-09	11:52:08	1
15	18FEB09A 15	ICB	0.0058542	29	503942	0.000	18-Feb-09	11:57:06	1
16	18FEB09A 16	CRI_L/100	0.011290	53	517453	0.000	18-Feb-09	11:59:43	1
17	18FEB09A 17	ICSA	0	4	502304	0.000	18-Feb-09	12:02:18	1
18	18FEB09A 18	ICSAB	1.9962	8923	513926	0.000	18-Feb-09	12:04:52	1
19	18FEB09A 19	IP090217-2MB 10X	0.0031342	18	515834	0.000	18-Feb-09	12:07:26	1
20	18FEB09A 20	IP090217-2LCS 10X	2.0256	9225	523251	0.000	18-Feb-09	12:11:22	1
21	18FEB09A 21	0902092-4 10X	0.0053219	28	536563	0.000	18-Feb-09	12:13:57	1
22	18FEB09A 22	ZZZZZZ	0.0042104	23	538675	0.000	18-Feb-09	12:17:53	1
23	18FEB09A 23	ZZZZZZ	0.010690	53	543898	0.000	18-Feb-09	12:20:30	1
24	18FEB09A 24	0902117-1D 10X	0.0073305	38	545664	0.000	18-Feb-09	12:23:07	1
25	18FEB09A 25	0902117-1L 50X	0.0047435	26	543718	0.000	18-Feb-09	12:25:44	1
26	18FEB09A 26	CCV	2.0110	9107	520480	0.000	18-Feb-09	12:28:21	1
27	18FEB09A 27	CCB	0.0063042	31	505402	0.000	18-Feb-09	12:30:57	1
28	18FEB09A 28	0902117-1MS 10X	2.0936	9567	524320	0.000	18-Feb-09	12:33:32	1
29	18FEB09A 29	0902117-1MSD 10X	2.0146	9610	548198	0.000	18-Feb-09	12:36:09	1
30	18FEB09A 30	0902117-2 10X	0.056850	262	547354	0.000	18-Feb-09	12:38:45	1
31	18FEB09A 31	0902117-3 10X	0.0066053	32	501984	0.000	18-Feb-09	12:42:39	1

Quantify Compound Summary Report

18FEB09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\18FEB09A

Last modified: Wed Feb 18 15:59:26 2009

Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_U_PB_AS_SE_MN+IS

Last modified: Wed Feb 18 11:15:29 2009

Job Code:

Printed: Wed Feb 18 16:00:54 2009

Compound 6: 1Cadmium

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
32	18FEB09A 32	0902118-2 10X	0.0054863	28	528013	0.000	18-Feb-09	12:45:14	1
33	18FEB09A 33	0902118-4 10X	0.0061231	31	532506	0.000	18-Feb-09	12:47:49	1
34	18FEB09A 34	0902117-1 10X	0.0095055	47	539322	0.000	18-Feb-09	12:53:17	1
35	18FEB09A 35	0902092-5 100X	0.0039556	22	528435	0.000	18-Feb-09	12:55:53	1
36	18FEB09A 36	CCV	1.9980	8971	516192	0.000	18-Feb-09	12:58:30	1
37	18FEB09A 37	CCB	0.0046133	23	487251	0.000	18-Feb-09	13:01:05	1
38	18FEB09A 38	IP090217-1MB 10X	0.0040259	21	497408	0.000	18-Feb-09	13:32:30	1
39	18FEB09A 39	IM090217-1LCS 10X	2.0205	8997	511699	0.000	18-Feb-09	13:35:05	1
40	18FEB09A 40	0902111-1 10X	0.011952	44	409920	0.000	18-Feb-09	13:37:41	1
41	18FEB09A 41	0902102-1 100X	0.0042060	24	558566	0.000	18-Feb-09	13:41:37	1
42	18FEB09A 42	0902102-1D 100X	0.0039433	23	550323	0.000	18-Feb-09	13:44:14	1
43	18FEB09A 43	0902102-1L 500X	0.0044035	25	545741	0.000	18-Feb-09	13:46:52	1
44	18FEB09A 44	0902102-1MS 100X	0.23221	1067	550144	0.000	18-Feb-09	13:49:30	1
45	18FEB09A 45	0902102-1MSD 100X	0.23836	1078	541082	0.000	18-Feb-09	13:52:06	1
46	18FEB09A 46	ZZZZZ	0.0049675	26	533395	0.000	18-Feb-09	13:54:41	1
47	18FEB09A 47	ZZZZZ	0.0032252	19	527802	0.000	18-Feb-09	13:57:16	1
48	18FEB09A 48	CCV	1.9917	8989	518912	0.000	18-Feb-09	13:59:52	1
49	18FEB09A 49	CCB	0.0042491	22	499309	0.000	18-Feb-09	14:04:47	1
50	18FEB09A 50	ZZZZZ	0.0062630	32	527757	0.000	18-Feb-09	14:07:22	1
51	18FEB09A 51	ZZZZZ	0.0060835	31	524365	0.000	18-Feb-09	14:09:58	1
52	18FEB09A 52	ZZZZZ	0.0057897	30	525754	0.000	18-Feb-09	14:12:34	1
53	18FEB09A 53	ZZZZZ	0.0042555	23	529914	0.000	18-Feb-09	14:15:11	1
54	18FEB09A 54	ZZZZZ	0.0067127	33	515046	0.000	18-Feb-09	14:17:48	1
55	18FEB09A 55	CCV	2.0184	9199	523712	0.000	18-Feb-09	14:20:25	1
56	18FEB09A 56	CCB	0.0045990	23	489613	0.000	18-Feb-09	14:23:01	1
57	18FEB09A 57	0902102-2 50X	0.0041397	23	541466	0.000	18-Feb-09	14:56:15	1
58	18FEB09A 58	0902102-3 50X	0.011186	54	538675	0.000	18-Feb-09	14:58:49	1
59	18FEB09A 59	0902102-4 10X	0.0056021	28	514816	0.000	18-Feb-09	15:01:27	1
60	18FEB09A 60	0902102-5 10X	0.0059004	30	515424	0.000	18-Feb-09	15:04:05	1
61	18FEB09A 61	0902102-6 100X	0.0038691	22	533715	0.000	18-Feb-09	15:06:42	1
62	18FEB09A 62	0902102-7 50X	0.0038472	22	546381	0.000	18-Feb-09	15:09:17	1

Quantify Compound Summary Report
18FEB09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\18FEB09A
 Last modified: Wed Feb 18 15:59:26 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_U_PB_AS_SE_MN+IS
 Last modified: Wed Feb 18 11:15:29 2009
 Job Code:

Printed: Wed Feb 18 16:00:54 2009

Compound 6: 1Cadmium

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
63	18FEB09A 63	CCV	2.0178	9151	521158	0.000	18-Feb-09	15:11:53	1
64	18FEB09A 64	CCB	0.0052245	25	479456	0.000	18-Feb-09	15:14:29	1
65	18FEB09A 65	ICSA_CEC	0.056754	259	541338	0.000	18-Feb-09	15:38:28	1
66	18FEB09A 66	ICSAB_CEC	0.060059	277	548301	0.000	18-Feb-09	15:41:03	1
67	18FEB09A 67	IP090217-1MB 10X	0.0082959	40	525146	0.000	18-Feb-09	15:43:39	1
68	18FEB09A 68	IM090217-1LCS 10X	0.010071	48	523840	0.000	18-Feb-09	15:46:15	1
69	18FEB09A 69	0902111-1 10X	0.0043172	24	538029	0.000	18-Feb-09	15:48:52	1
70	18FEB09A 70	CCV	1.9715	8649	504614	0.000	18-Feb-09	15:51:30	1
71	18FEB09A 71	CCB	0.0078104	36	486400	0.000	18-Feb-09	15:54:06	1
72	18FEB09A 72	RINSE							

Quantify Compound Summary Report

18FEB09A

Sample List: D:\Masslynx Projects\AUG2002.PRO\SampleDB\18FEB09A

Last modified: Wed Feb 18 15:59:26 2009

Method: D:\Masslynx Projects\AUG2002.PRO\MethDB\CD_U_PB_AS_SE_MN+IS

Last modified: Wed Feb 18 11:15:29 2009

Job Code:

Printed: Wed Feb 18 16:00:54 2009

Compound 14: 0Lead

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	18FEB09A 01	RINSE	0.0041829	199	222509	0.000	18-Feb-09	11:17:48	10
2	18FEB09A 02	RINSE	0.0041111	193	219206	0.000	18-Feb-09	11:19:44	10
3	18FEB09A 03	RINSE	0.0045318	212	220397	0.000	18-Feb-09	11:21:58	10
4	18FEB09A 04	0 STD	0.0044552	209	220678	0.000	18-Feb-09	11:24:32	10
5	18FEB09A 05	L/100 STD	0.049529	2138	220979	0.000	18-Feb-09	11:27:05	10
6	18FEB09A 06	L/20 STD	0.24045	10247	219526	0.000	18-Feb-09	11:29:39	10
7	18FEB09A 07	L/10 STD	0.47216	19546	213261	0.000	18-Feb-09	11:32:13	10
8	18FEB09A 08	LOW/2 STD	2.5331	106955	216109	0.000	18-Feb-09	11:34:48	10
9	18FEB09A 09	LOW STD	4.9981	217553	221011	0.000	18-Feb-09	11:37:23	10
10	18FEB09A 10	MID STD	10.019	445447	222534	0.000	18-Feb-09	11:39:58	10
11	18FEB09A 11	HIGH/2 STD	24.984	1139334	222003	0.000	18-Feb-09	11:42:34	10
12	18FEB09A 12	HIGH STD	50.003	2316857	225843	0.000	18-Feb-09	11:45:30	10
13	18FEB09A 13	HIGH STD READEBACK	48.873	2315046	230579	0.000	18-Feb-09	11:48:42	10
14	18FEB09A 14	ICV	13.025	579161	220934	0.000	18-Feb-09	11:52:08	10
15	18FEB09A 15	ICB	0.0095008	404	209984	0.000	18-Feb-09	11:57:06	10
16	18FEB09A 16	CRI_L/100	0.052043	2188	215309	0.000	18-Feb-09	11:59:43	10
17	18FEB09A 17	ICSA	0.019105	785	207475	0.000	18-Feb-09	12:02:18	10
18	18FEB09A 18	ICSAB	10.195	429064	210560	0.000	18-Feb-09	12:04:52	10
19	18FEB09A 19	IP090217-2MB 10X	0.0070600	311	214278	0.000	18-Feb-09	12:07:26	10
20	18FEB09A 20	IP090217-2LCS 10X	10.256	448316	218656	0.000	18-Feb-09	12:11:22	10
21	18FEB09A 21	0902092-4 10X	0.018547	805	219021	0.000	18-Feb-09	12:13:57	10
22	18FEB09A 22	ZZZZZZ	0.014352	629	219680	0.000	18-Feb-09	12:17:53	10
23	18FEB09A 23	ZZZZZZ	0.028810	1271	224448	0.000	18-Feb-09	12:20:30	10
24	18FEB09A 24	0902117-1D 10X	0.021246	942	224384	0.000	18-Feb-09	12:23:07	10
25	18FEB09A 25	0902117-1L 50X	0.010677	485	225408	0.000	18-Feb-09	12:25:44	10
26	18FEB09A 26	CCV	10.125	436508	215718	0.000	18-Feb-09	12:28:21	10
27	18FEB09A 27	CCB	0.0061573	266	208365	0.000	18-Feb-09	12:30:57	10
28	18FEB09A 28	0902117-1MS 10X	10.564	460704	217971	0.000	18-Feb-09	12:33:32	10
29	18FEB09A 29	0902117-1MSD 10X	10.139	459440	226726	0.000	18-Feb-09	12:36:09	10
30	18FEB09A 30	0902117-2 10X	0.17064	7477	225613	0.000	18-Feb-09	12:38:45	10
31	18FEB09A 31	0902117-3 10X	0.035477	1442	207366	0.000	18-Feb-09	12:42:39	10

Quantify Compound Summary Report

18FEB09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\18FEB09A

Last modified: Wed Feb 18 15:59:26 2009

Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_U_PB_AS_SE_MN+IS

Last modified: Wed Feb 18 11:15:29 2009

Job Code:

Printed: Wed Feb 18 16:00:54 2009

Compound 14: OLead

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
32	18FEB09A 32	0902118-2 10X	0.66113	28115	218982	0.000	18-Feb-09	12:45:14	10
33	18FEB09A 33	0902118-4 10X	0.30194	12744	217453	0.000	18-Feb-09	12:47:49	10
34	18FEB09A 34	0902117-1 10X	0.029758	1294	221338	0.000	18-Feb-09	12:53:17	10
35	18FEB09A 35	0902092-5 100X	0.0073927	332	219027	0.000	18-Feb-09	12:55:53	10
36	18FEB09A 36	CCV	10.169	438415	215712	0.000	18-Feb-09	12:58:30	10
37	18FEB09A 37	CCB	0.0070038	292	202707	0.000	18-Feb-09	13:01:05	10
38	18FEB09A 38	IP090217-1MB 10X	0.0047837	210	207782	0.000	18-Feb-09	13:32:30	10
39	18FEB09A 39	IM090217-1LCS 10X	10.142	430221	212262	0.000	18-Feb-09	13:35:05	10
40	18FEB09A 40	0902111-1 10X	0.010978	357	161536	0.000	18-Feb-09	13:37:41	10
41	18FEB09A 41	0902102-1 100X	0.018982	844	224480	0.000	18-Feb-09	13:41:37	10
42	18FEB09A 42	0902102-1D 100X	0.0055282	258	223411	0.000	18-Feb-09	13:44:14	10
43	18FEB09A 43	0902102-1L 500X	0.0065738	303	223245	0.000	18-Feb-09	13:46:52	10
44	18FEB09A 44	0902102-1MS 100X	1.1237	49290	225568	0.000	18-Feb-09	13:49:30	10
45	18FEB09A 45	0902102-1MSD 100X	1.0734	46601	223283	0.000	18-Feb-09	13:52:06	10
46	18FEB09A 46	ZZZZZZ	0.0066080	295	216294	0.000	18-Feb-09	13:54:41	10
47	18FEB09A 47	ZZZZZZ	0.0062533	281	216954	0.000	18-Feb-09	13:57:16	10
48	18FEB09A 48	CCV	10.166	435234	214202	0.000	18-Feb-09	13:59:52	10
49	18FEB09A 49	CCB	0.0061833	265	206765	0.000	18-Feb-09	14:04:47	10
50	18FEB09A 50	ZZZZZZ	0.0067263	301	217050	0.000	18-Feb-09	14:07:22	10
51	18FEB09A 51	ZZZZZZ	0.0078008	341	213818	0.000	18-Feb-09	14:09:58	10
52	18FEB09A 52	ZZZZZZ	0.0054334	242	212941	0.000	18-Feb-09	14:12:34	10
53	18FEB09A 53	ZZZZZZ	0.0064265	288	216749	0.000	18-Feb-09	14:15:11	10
54	18FEB09A 54	ZZZZZZ	0.0065124	286	212582	0.000	18-Feb-09	14:17:48	10
55	18FEB09A 55	CCV	10.045	436617	217542	0.000	18-Feb-09	14:20:25	10
56	18FEB09A 56	CCB	0.0068764	285	201293	0.000	18-Feb-09	14:23:01	10
57	18FEB09A 57	0902102-2 50X	0.010356	469	224448	0.000	18-Feb-09	14:56:15	10
58	18FEB09A 58	0902102-3 50X	0.0066340	304	222074	0.000	18-Feb-09	14:58:49	10
59	18FEB09A 59	0902102-4 10X	0.034494	1443	213350	0.000	18-Feb-09	15:01:27	10
60	18FEB09A 60	0902102-5 10X	0.0079357	342	210989	0.000	18-Feb-09	15:04:05	10
61	18FEB09A 61	0902102-6 100X	0.0060957	279	220608	0.000	18-Feb-09	15:06:42	10
62	18FEB09A 62	0902102-7 50X	0.0066553	304	221408	0.000	18-Feb-09	15:09:17	10

Quantify Compound Summary Report

18FEB09A

Sample List: D:\Masslynx Projects\AUG2002.PRO\SampleDB\18FEB09A

Last modified: Wed Feb 18 15:59:26 2009

Method: D:\Masslynx Projects\AUG2002.PRO\MethDB\CD_U_PB_AS_SE_MN+IS

Last modified: Wed Feb 18 11:15:29 2009

Job Code:

Printed: Wed Feb 18 16:00:54 2009

Compound 14: 0Lead

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
63	18FEB09A 63	CCV	10.086	431726	214208	0.000	18-Feb-09	15:11:53	10
64	18FEB09A 64	CCB	0.0082597	336	199565	0.000	18-Feb-09	15:14:29	10
65	18FEB09A 65	ICSA_CEC AS ₂₈	0.0038250	184	223014	0.000	18-Feb-09	15:38:28	10
66	18FEB09A 66	ICSAB_CEC	0.0037711	184	225869	0.000	18-Feb-09	15:41:03	10
67	18FEB09A 67	IP090217-1MB 10X	0.011514	502	216973	0.000	18-Feb-09	15:43:39	10
68	18FEB09A 68	IM090217-1LCS 10X	0.032113	1368	217062	0.000	18-Feb-09	15:46:15	10
69	18FEB09A 69	0902111-1 10X	0.0065159	299	222131	0.000	18-Feb-09	15:48:52	10
70	18FEB09A 70	CCV	10.110	417123	206464	0.000	18-Feb-09	15:51:30	10
71	18FEB09A 71	CCB	0.011703	473	201248	0.000	18-Feb-09	15:54:06	10
72	18FEB09A 72	RINSE							

Quantify Compound Summary Report
18FEB09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\18FEB09A
 Last modified: Wed Feb 18 15:59:26 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_U_PB_AS_SE_MN+IS
 Last modified: Wed Feb 18 11:15:29 2009
 Job Code:

Printed: Wed Feb 18 16:00:54 2009

Compound 15: 75As

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	18FEB09A 01	RINSE	0.016690	121	446874	4.158	18-Feb-09	11:17:48	2
2	18FEB09A 02	RINSE	0.012361	109	444730	3.984	18-Feb-09	11:19:44	2
3	18FEB09A 03	RINSE	0.011171	107	449517	3.597	18-Feb-09	11:21:58	2
4	18FEB09A 04	0 STD	0.012250	109	445933	3.597	18-Feb-09	11:24:32	2
5	18FEB09A 05	L/100 STD	0.017535	126	456890	3.583	18-Feb-09	11:27:05	2
6	18FEB09A 06	L/20 STD	0.071641	268	449037	2.128	18-Feb-09	11:29:39	2
7	18FEB09A 07	L/10 STD	0.14234	447	439622	2.703	18-Feb-09	11:32:13	2
8	18FEB09A 08	LOW/2 STD	1.0786	2943	444557	0.551	18-Feb-09	11:34:48	2
9	18FEB09A 09	LOW STD	1.9877	5558	458163	0.274	18-Feb-09	11:37:23	2
10	18FEB09A 10	MID STD	4.0542	11358	456397	0.202	18-Feb-09	11:39:58	2
11	18FEB09A 11	HIGH/2 STD	9.9594	28919	462618	0.113	18-Feb-09	11:42:34	2
12	18FEB09A 12	HIGH STD	20.008	59653	470906	0.088	18-Feb-09	11:45:30	2
13	18FEB09A 13	HIGH STD READBACK	19.727	59126	473248	0.093	18-Feb-09	11:48:42	2
14	18FEB09A 14	ICV	5.3284	14938	454266	0.135	18-Feb-09	11:52:08	2
15	18FEB09A 15	ICB	0.013204	110	439834	4.332	18-Feb-09	11:57:06	2
16	18FEB09A 16	CRI L/100	0.022355	136	446822	3.836	18-Feb-09	11:59:43	2
17	18FEB09A 17	ICSA	3.6605	9291	414144	0.181	18-Feb-09	12:02:18	2
18	18FEB09A 18	ICSAB	7.7955	20589	423776	0.121	18-Feb-09	12:04:52	2
19	18FEB09A 19	IP090217-2MB 10X	0.016129	118	441216	4.386	18-Feb-09	12:07:26	2
20	18FEB09A 20	IP090217-2LCS 10X	4.0658	11228	449862	0.202	18-Feb-09	12:11:22	2
21	18FEB09A 21	0902092-4 10X	0.75444	2133	456621	0.722	18-Feb-09	12:13:57	2
22	18FEB09A 22	ZZZZZZ	0.60415	1751	464352	0.678	18-Feb-09	12:17:53	2
23	18FEB09A 23	ZZZZZZ	0.63916	1871	470048	0.744	18-Feb-09	12:20:30	2
24	18FEB09A 24	0902117-1D 10X	0.61781	1804	468256	0.665	18-Feb-09	12:23:07	2
25	18FEB09A 25	0902117-1L 50X	0.070913	276	465811	1.816	18-Feb-09	12:25:44	2
26	18FEB09A 26	CCV	4.0359	11148	450029	0.144	18-Feb-09	12:28:21	2
27	18FEB09A 27	CCB	0.017122	117	480058	4.071	18-Feb-09	12:30:57	2
28	18FEB09A 28	0902117-1MS 10X	4.7436	13351	457197	0.150	18-Feb-09	12:33:32	2
29	18FEB09A 29	0902117-1MSD 10X	4.6195	13284	467360	0.164	18-Feb-09	12:36:09	2
30	18FEB09A 30	0902117-2 10X	0.62048	1817	469677	0.604	18-Feb-09	12:38:45	2
31	18FEB09A 31	0902117-3 10X	0.017836	121	435930	3.985	18-Feb-09	12:42:39	2

① = do not use for AS

Quantify Compound Summary Report

18FEB09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\18FEB09A

Last modified: Wed Feb 18 15:59:26 2009

Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_U_PB_AS_SE_MN+IS

Last modified: Wed Feb 18 11:15:29 2009

Job Code:

Printed: Wed Feb 18 16:00:54 2009

Compound 15: 75As

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
32	18FEB09A 32	0902118-2 10X	1.0635	2987	457485	0.555	18-Feb-09	12:45:14	2
33	18FEB09A 33	0902118-4 10X	0.98634	2773	457261	0.550	18-Feb-09	12:47:49	2
34	18FEB09A 34	0902117-1 10X	0.60103	1735	462394	0.604	18-Feb-09	12:53:17	2
35	18FEB09A 35	0902092-5 100X	0.040556	192	465626	2.346	18-Feb-09	12:55:53	2
36	18FEB09A 36	CCV	4.1854	11476	446445	0.215	18-Feb-09	12:58:30	2
37	18FEB09A 37	CCB	0.020271	124	424646	4.216	18-Feb-09	13:01:05	2
38	18FEB09A 38	IP090217-1MB 10X	0.021886	131	434368	4.441	18-Feb-09	13:32:30	2
39	18FEB09A 39	IM090217-1LCS 10X	4.0105	11095	450771	0.191	18-Feb-09	13:35:05	2
40	18FEB09A 40	0902111-1 10X	2.4677	4974	330125	0.364	18-Feb-09	13:37:41	2
41	18FEB09A 41	0902102-1 100X	0.59513	1782	479437	0.921	18-Feb-09	13:41:37	2
42	18FEB09A 42	0902102-1D 100X	0.58821	1762	479392	0.713	18-Feb-09	13:44:14	2
43	18FEB09A 43	0902102-1L 500X	0.055378	238	475712	2.291	18-Feb-09	13:46:52	2
44	18FEB09A 44	0902102-1MS 100X	1.0583	3130	481722	0.400	18-Feb-09	13:49:30	2
45	18FEB09A 45	0902102-1MSD 100X	1.0320	2992	471962	0.530	18-Feb-09	13:52:06	2
46	18FEB09A 46	ZZZZZ	0.049829	216	462157	2.590	18-Feb-09	13:54:41	2
47	18FEB09A 47	ZZZZZ	0.048304	212	462554	2.728	18-Feb-09	13:57:16	2
48	18FEB09A 48	CCV	4.0791	11453	457357	0.177	18-Feb-09	13:59:52	2
49	18FEB09A 49	CCB	0.019117	125	438349	4.169	18-Feb-09	14:04:47	2
50	18FEB09A 50	ZZZZZ	0.052265	223	462822	2.309	18-Feb-09	14:07:22	2
51	18FEB09A 51	ZZZZZ	0.050236	215	457651	2.308	18-Feb-09	14:09:58	2
52	18FEB09A 52	ZZZZZ	0.063639	251	456915	2.014	18-Feb-09	14:12:34	2
53	18FEB09A 53	ZZZZZ	0.10286	357	456397	1.825	18-Feb-09	14:15:11	2
54	18FEB09A 54	ZZZZZ	0.26241	764	441376	2.471	18-Feb-09	14:17:48	2
55	18FEB09A 55	CCV	4.0721	11446	457875	0.217	18-Feb-09	14:20:25	2
56	18FEB09A 56	CCB	0.026472	140	425798	3.483	18-Feb-09	14:23:01	2
57	18FEB09A 57	0902102-2 50X	0.95816	2774	470579	0.462	18-Feb-09	14:56:15	2
58	18FEB09A 58	0902102-3 50X	0.90906	2597	463782	0.515	18-Feb-09	14:58:49	2
59	18FEB09A 59	0902102-4 10X	3.9103	10573	440742	0.172	18-Feb-09	15:01:27	2
60	18FEB09A 60	0902102-5 10X	3.9135	10497	437210	0.251	18-Feb-09	15:04:05	2
61	18FEB09A 61	0902102-6 100X	0.63986	1874	470310	0.814	18-Feb-09	15:06:42	2
62	18FEB09A 62	0902102-7 50X	0.96249	2785	470368	0.380	18-Feb-09	15:09:17	2

Do not use for AS

Quantify Compound Summary Report
18FEB09A

Sample List: D:\Masslynx Projects\AUG2002.PRO\SampleDB\18FEB09A
 Last modified: Wed Feb 18 15:59:26 2009
 Method: D:\Masslynx Projects\AUG2002.PRO\MethDB\CD_U_PB_AS_SE_MN+IS
 Last modified: Wed Feb 18 11:15:29 2009
 Job Code:

Printed: Wed Feb 18 16:00:54 2009

Compound 15: 75As

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
63	18FEB09A 63	CCV	4.1440	11517	452595	0.223	18-Feb-09	15:11:53	2
64	18FEB09A 64	CCB	0.021483	129	431155	3.828	18-Feb-09	15:14:29	2
65	18FEB09A 65	ICSA_CEC	0.028764	162	473146	3.260	18-Feb-09	15:38:28	2
66	18FEB09A 66	ICSAB_CEC	4.0184	11698	474323	0.209	18-Feb-09	15:41:03	2
67	18FEB09A 67	IP090217-1MB 10X	0.025104	148	461523	3.419	18-Feb-09	15:43:39	2
68	18FEB09A 68	IM090217-1LCS 10X	4.3688	12377	460934	0.153	18-Feb-09	15:46:15	2
69	18FEB09A 69	0902111-1 10X	0.36257	1076	462246	0.981	18-Feb-09	15:48:52	2
70	18FEB09A 70	CCV	4.2572	11482	439008	0.177	18-Feb-09	15:51:30	2
71	18FEB09A 71	CCB	0.025926	139	426963	4.048	18-Feb-09	15:54:06	2
72	18FEB09A 72	RINSE							

Quantify Compound Summary Report
18FEB09A

Sample List: D:\Masslynx Projects\AUG2002.PRO\SampleDB\18FEB09A
 Last modified: Wed Feb 18 15:59:26 2009
 Method: D:\Masslynx Projects\AUG2002.PRO\MethDB\CD_U_PB_AS_SE_MN+IS
 Last modified: Wed Feb 18 11:15:29 2009
 Job Code:

Printed: Wed Feb 18 16:00:54 2009

Compound 18: 2Uranium

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	18FEB09A 01	RINSE	0.0023927	56	222509	0.000	18-Feb-09	11:17:48	10
2	18FEB09A 02	RINSE	0.0022650	49	219206	0.000	18-Feb-09	11:19:44	10
3	18FEB09A 03	RINSE	0.0022183	47	220397	0.000	18-Feb-09	11:21:58	10
4	18FEB09A 04	0 STD	0.0020730	40	220678	0.000	18-Feb-09	11:24:32	10
5	18FEB09A 05	L/100 STD	0.0081321	335	220979	0.000	18-Feb-09	11:27:05	10
6	18FEB09A 06	L/20 STD	0.048640	2294	219526	0.000	18-Feb-09	11:29:39	10
7	18FEB09A 07	L/10 STD	0.099240	4614	213261	0.000	18-Feb-09	11:32:13	10
8	18FEB09A 08	LOW/2 STD	0.50834	24440	216109	0.000	18-Feb-09	11:34:48	10
9	18FEB09A 09	LOW STD	1.0009	49830	221011	0.000	18-Feb-09	11:37:23	10
10	18FEB09A 10	MID STD	1.9922	101918	222534	0.000	18-Feb-09	11:39:58	10
11	18FEB09A 11	HIGH/2 STD	5.0031	265595	222003	0.000	18-Feb-09	11:42:34	10
12	18FEB09A 12	HIGH STD	9.9994	540312	225843	0.000	18-Feb-09	11:45:30	10
13	18FEB09A 13	HIGH STD READBACK	9.6496	533688	230579	0.000	18-Feb-09	11:48:42	10
14	18FEB09A 14	ICV	2.5975	133317	220934	0.000	18-Feb-09	11:52:08	10
15	18FEB09A 15	ICB	0.0036068	109	209984	0.000	18-Feb-09	11:57:06	10
16	18FEB09A 16	CRI L/100	0.0091144	373	215309	0.000	18-Feb-09	11:59:43	10
17	18FEB09A 17	ICSA	0.0028913	75	207475	0.000	18-Feb-09	12:02:18	10
18	18FEB09A 18	ICSAB	2.1255	103140	210560	0.000	18-Feb-09	12:04:52	10
19	18FEB09A 19	IP090217-2MB 10X	0.0023731	53	214278	0.000	18-Feb-09	12:07:26	10
20	18FEB09A 20	IP090217-2LCS 10X	2.0413	102705	218656	0.000	18-Feb-09	12:11:22	10
21	18FEB09A 21	0902092-4 10X	2.8983	148167	219021	0.000	18-Feb-09	12:13:57	10
22	18FEB09A 22	ZZZZZZ	0	2159783	219680	0.000	18-Feb-09	12:17:53	10
23	18FEB09A 23	ZZZZZZ	0.68614	34426	224448	0.000	18-Feb-09	12:20:30	10
24	18FEB09A 24	0902117-1D 10X	0.69094	34661	224384	0.000	18-Feb-09	12:23:07	10
25	18FEB09A 25	0902117-1L 50X	0.13217	6521	225408	0.000	18-Feb-09	12:25:44	10
26	18FEB09A 26	CCV	2.0054	99475	215718	0.000	18-Feb-09	12:28:21	10
27	18FEB09A 27	CCB	0.0029061	76	208365	0.000	18-Feb-09	12:30:57	10
28	18FEB09A 28	0902117-1MS 10X	2.8089	142714	217971	0.000	18-Feb-09	12:33:32	10
29	18FEB09A 29	0902117-1MSD 10X	2.6890	141840	226726	0.000	18-Feb-09	12:36:09	10
30	18FEB09A 30	0902117-2 10X	0.66800	33674	225613	0.000	18-Feb-09	12:38:45	10
31	18FEB09A 31	0902117-3 10X	0.0037898	116	207366	0.000	18-Feb-09	12:42:39	10

Quantify Compound Summary Report

18FEB09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\18FEB09A

Last modified: Wed Feb 18 15:59:26 2009

Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_U_PB_AS_SE_MN+IS

Last modified: Wed Feb 18 11:15:29 2009

Job Code:

Printed: Wed Feb 18 16:00:54 2009

Compound 18: 2Uranium

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
32	18FEB09A 32	0902118-2 10X	0.52715	25695	218982	0.000	18-Feb-09	12:45:14	10
33	18FEB09A 33	0902118-4 10X	0.52478	25399	217453	0.000	18-Feb-09	12:47:49	10
34	18FEB09A 34	0902117-1 10X	0.67315	33295	221338	0.000	18-Feb-09	12:53:17	10
35	18FEB09A 35	0902092-5 100X	4.1549	215883	219027	0.000	18-Feb-09	12:55:53	10
36	18FEB09A 36	CCV	2.0120	99812	215712	0.000	18-Feb-09	12:58:30	10
37	18FEB09A 37	CCB	0.0034450	98	202707	0.000	18-Feb-09	13:01:05	10
38	18FEB09A 38	IP090217-1MB 10X	0.0024082	53	207782	0.000	18-Feb-09	13:32:30	10
39	18FEB09A 39	IM090217-1LCS 10X	2.0370	99482	212262	0.000	18-Feb-09	13:35:05	10
40	18FEB09A 40	0902111-1 10X	0.0036672	86	161536	0.000	18-Feb-09	13:37:41	10
41	18FEB09A 41	0902102-1 100X	3.2787	172736	224480	0.000	18-Feb-09	13:41:37	10
42	18FEB09A 42	0902102-1D 100X	3.5848	188722	223411	0.000	18-Feb-09	13:44:14	10
43	18FEB09A 43	0902102-1L 500X	0.66153	32992	223245	0.000	18-Feb-09	13:46:52	10
44	18FEB09A 44	0902102-1MS 100X	3.8788	206911	225568	0.000	18-Feb-09	13:49:30	10
45	18FEB09A 45	0902102-1MSD 100X	3.7439	197376	223283	0.000	18-Feb-09	13:52:06	10
46	18FEB09A 46	ZZZZZZ	0.27904	13326	216294	0.000	18-Feb-09	13:54:41	10
47	18FEB09A 47	ZZZZZZ	0.11752	5572	216954	0.000	18-Feb-09	13:57:16	10
48	18FEB09A 48	CCV	2.0188	99461	214202	0.000	18-Feb-09	13:59:52	10
49	18FEB09A 49	CCB	0.0030287	81	206765	0.000	18-Feb-09	14:04:47	10
50	18FEB09A 50	ZZZZZZ	0.064219	3015	217050	0.000	18-Feb-09	14:07:22	10
51	18FEB09A 51	ZZZZZZ	0.061571	2845	213818	0.000	18-Feb-09	14:09:58	10
52	18FEB09A 52	ZZZZZZ	0.68724	32714	212941	0.000	18-Feb-09	14:12:34	10
53	18FEB09A 53	ZZZZZZ	0.61503	29744	216749	0.000	18-Feb-09	14:15:11	10
54	18FEB09A 54	ZZZZZZ	0.0023180	50	212582	0.000	18-Feb-09	14:17:48	10
55	18FEB09A 55	CCV	2.0152	100827	217542	0.000	18-Feb-09	14:20:25	10
56	18FEB09A 56	CCB	0.0031447	84	201293	0.000	18-Feb-09	14:23:01	10
57	18FEB09A 57	0902102-2 50X	2.8448	148914	224448	0.000	18-Feb-09	14:56:15	10
58	18FEB09A 58	0902102-3 50X	1.2610	63444	222074	0.000	18-Feb-09	14:58:49	10
59	18FEB09A 59	0902102-4 10X	3.0575	152614	213350	0.000	18-Feb-09	15:01:27	10
60	18FEB09A 60	0902102-5 10X	3.0191	148947	210989	0.000	18-Feb-09	15:04:05	10
61	18FEB09A 61	0902102-6 100X	3.7112	193233	220608	0.000	18-Feb-09	15:06:42	10
62	18FEB09A 62	0902102-7 50X	2.6314	135423	221408	0.000	18-Feb-09	15:09:17	10

Quantify Compound Summary Report

18FEB09A

Sample List: D:\Masslynx Projects\AUG2002.PRO\SampleDB\18FEB09A

Last modified: Wed Feb 18 15:59:26 2009

Method: D:\Masslynx Projects\AUG2002.PRO\MethDB\CD_U_PB_AS_SE_MN+IS

Last modified: Wed Feb 18 11:15:29 2009

Job Code:

Printed: Wed Feb 18 16:00:54 2009

Compound 18: 2Uranium

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
63	18FEB09A 63	CCV	2.0307	100072	214208	0.000	18-Feb-09	15:11:53	10
64	18FEB09A 64	CCB	0.0036616	106	199565	0.000	18-Feb-09	15:14:29	10
65	18FEB09A 65	ICSA_CEC <i>As Se only</i>	0.30699	15133	223014	0.000	18-Feb-09	15:38:28	10
66	18FEB09A 66	ICSAB_CEC	0.28602	14268	225869	0.000	18-Feb-09	15:41:03	10
67	18FEB09A 67	IP090217-1MB 10X	0.30015	14391	216973	0.000	18-Feb-09	15:43:39	10
68	18FEB09A 68	IM090217-1LCS 10X	0.27547	13200	217062	0.000	18-Feb-09	15:46:15	10
69	18FEB09A 69	0902111-1 10X	0.41009	20206	222131	0.000	18-Feb-09	15:48:52	10
70	18FEB09A 70	CCV	2.0273	96287	206464	0.000	18-Feb-09	15:51:30	10
71	18FEB09A 71	CCB	0.0042505	133	201248	0.000	18-Feb-09	15:54:06	10
72	18FEB09A 72	RINSE							

Quantify Compound Summary Report
18FEB09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\18FEB09A
 Last modified: Wed Feb 18 15:59:26 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_U_PB_AS_SE_MN+IS
 Last modified: Wed Feb 18 11:15:29 2009
 Job Code:

Printed: Wed Feb 18 16:00:54 2009

Compound 19: 55Mn

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	18FEB09A 01	RINSE	0	642	224896	2.858	18-Feb-09	11:17:48	9
2	18FEB09A 02	RINSE	0	599	226445	2.972	18-Feb-09	11:19:44	9
3	18FEB09A 03	RINSE	0	476	226291	3.286	18-Feb-09	11:21:58	9
4	18FEB09A 04	0 STD	0	406	225146	1.962	18-Feb-09	11:24:32	9
5	18FEB09A 05	L/100 STD	0.071625	2909	231648	0.691	18-Feb-09	11:27:05	9
6	18FEB09A 06	L/20 STD	0.23910	7301	223757	0.528	18-Feb-09	11:29:39	9
7	18FEB09A 07	L/10 STD	0.49027	13593	216634	0.382	18-Feb-09	11:32:13	9
8	18FEB09A 08	LOW/2 STD	2.4576	67950	227021	0.152	18-Feb-09	11:34:48	9
9	18FEB09A 09	LOW STD	5.0624	139186	226611	0.113	18-Feb-09	11:37:23	9
10	18FEB09A 10	MID STD	9.9788	282283	232710	0.077	18-Feb-09	11:39:58	9
11	18FEB09A 11	HIGH/2 STD	25.000	709747	231597	0.046	18-Feb-09	11:42:34	9
12	18FEB09A 12	HIGH STD	50.000	1451648	237005	0.032	18-Feb-09	11:45:30	9
13	18FEB09A 13	HIGH STD READBACK	49.164	1454746	241466	0.032	18-Feb-09	11:48:42	9
14	18FEB09A 14	ICV	12.747	358874	231181	0.069	18-Feb-09	11:52:08	9
15	18FEB09A 15	ICB	0	783	222170	2.440	18-Feb-09	11:57:06	9
16	18FEB09A 16	CRI_L/100	0.065673	2690	227104	0.917	18-Feb-09	11:59:43	9
17	18FEB09A 17	ICSA	0.63282	17539	219654	0.148	18-Feb-09	12:02:18	9
18	18FEB09A 18	ICSAB	11.425	314592	226304	0.039	18-Feb-09	12:04:52	9
19	18FEB09A 19	IP090217-2MB 10X	0.0091777	1155	227533	1.622	18-Feb-09	12:07:26	9
20	18FEB09A 20	IP090217-2LCS 10X	0	414	230342	3.666	18-Feb-09	12:11:22	9
21	18FEB09A 21	0902092-4 10X	0.39545	11978	233152	0.389	18-Feb-09	12:13:57	9
22	18FEB09A 22	ZZZZZZ	3.8644	111382	237414	0.125	18-Feb-09	12:17:53	9
23	18FEB09A 23	ZZZZZZ	2.7336	79684	239590	0.159	18-Feb-09	12:20:30	9
24	18FEB09A 24	0902117-1D 10X	2.7439	80734	241843	0.164	18-Feb-09	12:23:07	9
25	18FEB09A 25	0902117-1L 50X	0.53053	16021	237082	0.383	18-Feb-09	12:25:44	9
26	18FEB09A 26	CCV	9.8514	270182	225632	0.092	18-Feb-09	12:28:21	9
27	18FEB09A 27	CCB	0	558	218784	2.999	18-Feb-09	12:30:57	9
28	18FEB09A 28	0902117-1MS 10X	2.9105	83166	234982	0.162	18-Feb-09	12:33:32	9
29	18FEB09A 29	0902117-1MSD 10X	2.6715	78695	242061	0.165	18-Feb-09	12:36:09	9
30	18FEB09A 30	0902117-2 10X	2.6766	78067	239680	0.166	18-Feb-09	12:38:45	9
31	18FEB09A 31	0902117-3 10X	0.0088450	1100	218413	1.742	18-Feb-09	12:42:39	9

Quantify Compound Summary Report

18FEB09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\18FEB09A

Last modified: Wed Feb 18 15:59:26 2009

Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_U_PB_AS_SE_MN+IS

Last modified: Wed Feb 18 11:15:29 2009

Job Code:

Printed: Wed Feb 18 16:00:54 2009

Compound 19: 55Mn

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
32	18FEB09A 32	0902118-2 10X	0.084220	3291	233952	0.830	18-Feb-09	12:45:14	9
33	18FEB09A 33	0902118-4 10X	0.045234	2208	234995	1.134	18-Feb-09	12:47:49	9
34	18FEB09A 34	0902117-1 10X	2.7084	77980	236627	0.162	18-Feb-09	12:53:17	9
35	18FEB09A 35	0902092-5 100X	0.38065	11670	235283	0.458	18-Feb-09	12:55:53	9
36	18FEB09A 36	CCV	9.8239	273069	228685	0.088	18-Feb-09	12:58:30	9
37	18FEB09A 37	CCB	0	708	215290	2.636	18-Feb-09	13:01:05	9
38	18FEB09A 38	IP090217-1MB 10X	0.00024690	873	217907	2.043	18-Feb-09	13:32:30	9
39	18FEB09A 39	IM090217-1LCS 10X	9.9011	274064	227718	0.096	18-Feb-09	13:35:05	9
40	18FEB09A 40	0902111-1 10X	29.570	654669	180358	0.015	18-Feb-09	13:37:41	9
41	18FEB09A 41	0902102-1 100X	0.078030	3268	245248	0.893	18-Feb-09	13:41:37	9
42	18FEB09A 42	0902102-1D 100X	0.030100	1846	243450	1.255	18-Feb-09	13:44:14	9
43	18FEB09A 43	0902102-1L 500X	0.0090844	1231	243040	1.651	18-Feb-09	13:46:52	9
44	18FEB09A 44	0902102-1MS 100X	1.1345	34225	244320	0.276	18-Feb-09	13:49:30	9
45	18FEB09A 45	0902102-1MSD 100X	1.0641	31812	241677	0.286	18-Feb-09	13:52:06	9
46	18FEB09A 46	ZZZZZZ	0.24670	7920	236134	0.603	18-Feb-09	13:54:41	9
47	18FEB09A 47	ZZZZZZ	0.31554	9787	234182	0.531	18-Feb-09	13:57:16	9
48	18FEB09A 48	CCV	9.6733	275650	234464	0.094	18-Feb-09	13:59:52	9
49	18FEB09A 49	CCB	0	583	221670	3.064	18-Feb-09	14:04:47	9
50	18FEB09A 50	ZZZZZZ	0.088754	3470	237504	0.940	18-Feb-09	14:07:22	9
51	18FEB09A 51	ZZZZZZ	0.074594	3022	234016	0.997	18-Feb-09	14:09:58	9
52	18FEB09A 52	ZZZZZZ	0.023694	1583	232275	1.433	18-Feb-09	14:12:34	9
53	18FEB09A 53	ZZZZZZ	0.60601	18136	236666	0.383	18-Feb-09	14:15:11	9
54	18FEB09A 54	ZZZZZZ	2.8207	77378	225530	0.177	18-Feb-09	14:17:48	9
55	18FEB09A 55	CCV	9.8736	280026	233325	0.095	18-Feb-09	14:20:25	9
56	18FEB09A 56	CCB	0	796	216461	2.476	18-Feb-09	14:23:01	9
57	18FEB09A 57	0902102-2 50X	2.6686	77641	239078	0.184	18-Feb-09	14:56:15	9
58	18FEB09A 58	0902102-3 50X	3.4284	99506	238938	0.164	18-Feb-09	14:58:49	9
59	18FEB09A 59	0902102-4 10X	4.4582	123528	228333	0.132	18-Feb-09	15:01:27	9
60	18FEB09A 60	0902102-5 10X	3.9447	108909	227430	0.140	18-Feb-09	15:04:05	9
61	18FEB09A 61	0902102-6 100X	0.10889	4077	239494	0.864	18-Feb-09	15:06:42	9
62	18FEB09A 62	0902102-7 50X	2.6030	76261	240691	0.187	18-Feb-09	15:09:17	9

Quantify Compound Summary Report

18FEB09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\18FEB09A

Last modified: Wed Feb 18 15:59:26 2009

Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_U_PB_AS_SE_MN+IS

Last modified: Wed Feb 18 11:15:29 2009

Job Code:

Printed: Wed Feb 18 16:00:54 2009

Compound 19: 55Mn

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
63	18FEB09A 63	CCV	9.8926	272704	226784	0.098	18-Feb-09	15:11:53	9
64	18FEB09A 64	CCB	0	831	214387	2.294	18-Feb-09	15:14:29	9
65	18FEB09A 65	ICSA_CEC <i>As, Se only</i>	0.11045	4066	236262	0.800	18-Feb-09	15:38:28	9
66	18FEB09A 66	ICSAB_CEC	0.059289	2681	241971	1.065	18-Feb-09	15:41:03	9
67	18FEB09A 67	IP090217-1MB 10X	0.13890	4834	234438	0.746	18-Feb-09	15:43:39	9
68	18FEB09A 68	IM090217-1LCS 10X	0.12595	4472	234528	0.831	18-Feb-09	15:46:15	9
69	18FEB09A 69	0902111-1 10X	0.22305	7421	241690	0.602	18-Feb-09	15:48:52	9
70	18FEB09A 70	CCV	9.7398	267141	225664	0.099	18-Feb-09	15:51:30	9
71	18FEB09A 71	CCB	0.012050	1184	218438	1.644	18-Feb-09	15:54:06	9
72	18FEB09A 72	RINSE							

Quantify Compound Summary Report

18FEB09A

Sample List: D:\Masslynx Projects\AUG2002.PRO\SampleDB\18FEB09A

Last modified: Wed Feb 18 15:59:26 2009

Method: D:\Masslynx Projects\AUG2002.PRO\MethDB\CD_U_PB_AS_SE_MN+IS

Last modified: Wed Feb 18 11:15:29 2009

Job Code:

Printed: Wed Feb 18 16:00:54 2009

Compound 1: 115In

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	18FEB09A 01	RINSE	0.99971	528058	0.017	0.014	18-Feb-09	11:17:48	0
2	18FEB09A 02	RINSE	0.99450	525306	0.014	0.014	18-Feb-09	11:19:44	0
3	18FEB09A 03	RINSE	0.99507	525606	0.014	0.015	18-Feb-09	11:21:58	0
4	18FEB09A 04	0 STD	0.98747	521594	0.015	0.016	18-Feb-09	11:24:32	0
5	18FEB09A 05	L/100 STD	1.0128	534970	0.016	0.020	18-Feb-09	11:27:05	0
6	18FEB09A 06	L/20 STD	0.98527	520429	0.020	0.018	18-Feb-09	11:29:39	0
7	18FEB09A 07	L/10 STD	0.97843	516819	0.018	0.016	18-Feb-09	11:32:13	0
8	18FEB09A 08	LOW/2 STD	0.97925	517254	0.016	0.019	18-Feb-09	11:34:48	0
9	18FEB09A 09	LOW STD	0.99732	526797	0.019	0.021	18-Feb-09	11:37:23	0
10	18FEB09A 10	MID STD	1.0024	529478	0.021	0.024	18-Feb-09	11:39:58	0
11	18FEB09A 11	HIGH/2 STD	1.0162	536781	0.024	0.028	18-Feb-09	11:42:34	0
12	18FEB09A 12	HIGH STD	1.0408	549786	0.028	0.028	18-Feb-09	11:45:30	0
13	18FEB09A 13	HIGH STD READBACK	1.0322	545229	0.028	0.022	18-Feb-09	11:48:42	0
14	18FEB09A 14	ICV	1.0082	532550	0.022	0.013	18-Feb-09	11:52:08	0
15	18FEB09A 15	ICB	0.95405	503942	0.013	0.012	18-Feb-09	11:57:06	0
16	18FEB09A 16	CRI_L/100	0.97963	517453	0.012	0.018	18-Feb-09	11:59:43	0
17	18FEB09A 17	ICSA	0.95095	502304	0.018	0.014	18-Feb-09	12:02:18	0
18	18FEB09A 18	ICSAB	0.97295	513926	0.014	0.018	18-Feb-09	12:04:52	0
19	18FEB09A 19	IP090217-2MB 10X	0.97657	515834	0.018	0.013	18-Feb-09	12:07:26	0
20	18FEB09A 20	IP090217-2LCS 10X	0.99061	523251	0.013	0.014	18-Feb-09	12:11:22	0
21	18FEB09A 21	0902092-4 10X	1.0158	536563	0.014	0.017	18-Feb-09	12:13:57	0
22	18FEB09A 22	ZZZZZZ	1.0198	538675	0.017	0.016	18-Feb-09	12:17:53	0
23	18FEB09A 23	ZZZZZZ	1.0297	543898	0.016	0.016	18-Feb-09	12:20:30	0
24	18FEB09A 24	0902117-1D 10X	1.0330	545664	0.016	0.016	18-Feb-09	12:23:07	0
25	18FEB09A 25	0902117-1L 50X	1.0294	543718	0.016	0.025	18-Feb-09	12:25:44	0
26	18FEB09A 26	CCV	0.98536	520480	0.016	0.018	18-Feb-09	12:28:21	0
27	18FEB09A 27	CCB	0.95682	505402	0.018	0.016	18-Feb-09	12:30:57	0
28	18FEB09A 28	0902117-1MS 10X	0.99263	524320	0.016	0.015	18-Feb-09	12:33:32	0
29	18FEB09A 29	0902117-1MSD 10X	1.0378	548198	0.015	0.018	18-Feb-09	12:36:09	0
30	18FEB09A 30	0902117-2 10X	1.0362	547354	0.018	0.013	18-Feb-09	12:38:45	0
31	18FEB09A 31	0902117-3 10X	0.95035	501984	0.013		18-Feb-09	12:42:39	0

Quantify Compound Summary Report

18FEB09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\18FEB09A

Last modified: Wed Feb 18 15:59:26 2009

Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_U_PB_AS_SE_MN+IS

Last modified: Wed Feb 18 11:15:29 2009

Job Code:

Printed: Wed Feb 18 16:00:54 2009

Compound 1: 115In

#	File name	Sample ID	PPB	CPS	IS CPS %StdDev	Aq Date	AqTime	IS#
32	18FEB09A 32	0902118-2 10X	0.99962	528013	0.016	18-Feb-09	12:45:14	0
33	18FEB09A 33	0902118-4 10X	1.0081	532506	0.013	18-Feb-09	12:47:49	0
34	18FEB09A 34	0902117-1 10X	1.0210	539322	0.016	18-Feb-09	12:53:17	0
35	18FEB09A 35	0902092-5 100X	1.0004	528435	0.016	18-Feb-09	12:55:53	0
36	18FEB09A 36	CCV	0.97724	516192	0.023	18-Feb-09	12:58:30	0
37	18FEB09A 37	CCB	0.92245	487251	0.016	18-Feb-09	13:01:05	0
38	18FEB09A 38	IP090217-1MB 10X	0.94168	497408	0.016	18-Feb-09	13:32:30	0
39	18FEB09A 39	IM090217-1LCS 10X	0.96874	511699	0.025	18-Feb-09	13:35:05	0
40	18FEB09A 40	0902111-1 10X	0.77605	409920	0.013	18-Feb-09	13:37:41	0
41	18FEB09A 41	0902102-1 100X	1.0575	558566	0.015	18-Feb-09	13:41:37	0
42	18FEB09A 42	0902102-1D 100X	1.0419	550323	0.014	18-Feb-09	13:44:14	0
43	18FEB09A 43	0902102-1L 500X	1.0332	545741	0.014	18-Feb-09	13:46:52	0
44	18FEB09A 44	0902102-1MS 100X	1.0415	550144	0.014	18-Feb-09	13:49:30	0
45	18FEB09A 45	0902102-1MSD 100X	1.0244	541082	0.014	18-Feb-09	13:52:06	0
46	18FEB09A 46	ZZZZZZ	1.0098	533395	0.015	18-Feb-09	13:54:41	0
47	18FEB09A 47	ZZZZZZ	0.99922	527802	0.015	18-Feb-09	13:57:16	0
48	18FEB09A 48	CCV	0.98239	518912	0.025	18-Feb-09	13:59:52	0
49	18FEB09A 49	CCB	0.94528	499309	0.017	18-Feb-09	14:04:47	0
50	18FEB09A 50	ZZZZZZ	0.99914	527757	0.016	18-Feb-09	14:07:22	0
51	18FEB09A 51	ZZZZZZ	0.99272	524365	0.015	18-Feb-09	14:09:58	0
52	18FEB09A 52	ZZZZZZ	0.99535	525754	0.014	18-Feb-09	14:12:34	0
53	18FEB09A 53	ZZZZZZ	1.0032	529914	0.015	18-Feb-09	14:15:11	0
54	18FEB09A 54	ZZZZZZ	0.97507	515046	0.017	18-Feb-09	14:17:48	0
55	18FEB09A 55	CCV	0.99148	523712	0.026	18-Feb-09	14:20:25	0
56	18FEB09A 56	CCB	0.92693	489613	0.019	18-Feb-09	14:23:01	0
57	18FEB09A 57	0902102-2 50X	1.0251	541466	0.017	18-Feb-09	14:56:15	0
58	18FEB09A 58	0902102-3 50X	1.0198	538675	0.019	18-Feb-09	14:58:49	0
59	18FEB09A 59	0902102-4 10X	0.97464	514816	0.019	18-Feb-09	15:01:27	0
60	18FEB09A 60	0902102-5 10X	0.97579	515424	0.018	18-Feb-09	15:04:05	0
61	18FEB09A 61	0902102-6 100X	1.0104	533715	0.014	18-Feb-09	15:06:42	0
62	18FEB09A 62	0902102-7 50X	1.0344	546381	0.014	18-Feb-09	15:09:17	0

Quantify Compound Summary Report
18FEB09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\18FEB09A
 Last modified: Wed Feb 18 15:59:26 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_U_PB_AS_SE_MN+IS
 Last modified: Wed Feb 18 11:15:29 2009
 Job Code:

Printed: Wed Feb 18 16:00:54 2009

Compound 1: 115In

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
63	18FEB09A 63	CCV	0.98665	521158		0.026	18-Feb-09	15:11:53	0
64	18FEB09A 64	CCB	0.90770	479456		0.019	18-Feb-09	15:14:29	0
65	18FEB09A 65	ICSA_CEC	1.0248	541338		0.015	18-Feb-09	15:38:28	0
66	18FEB09A 66	ICSAB_CEC	1.0380	548301		0.017	18-Feb-09	15:41:03	0
67	18FEB09A 67	IP090217-1MB 10X	0.99420	525146		0.016	18-Feb-09	15:43:39	0
68	18FEB09A 68	IM090217-1LCS 10X	0.99172	523840		0.013	18-Feb-09	15:46:15	0
69	18FEB09A 69	0902111-1 10X	1.0186	538029		0.013	18-Feb-09	15:48:52	0
70	18FEB09A 70	CCV	0.95532	504614		0.023	18-Feb-09	15:51:30	0
71	18FEB09A 71	CCB	0.92084	486400		0.022	18-Feb-09	15:54:06	0
72	18FEB09A 72	RINSE							

Quantify Compound Summary Report

18FEB09A

Sample List: D:\Masslynx Projects\AUG2002.PRO\SampleDB\18FEB09A

Last modified: Wed Feb 18 15:59:26 2009

Method: D:\Masslynx Projects\AUG2002.PRO\MethDB\CD_U_PB_AS_SE_MN+IS

Last modified: Wed Feb 18 11:15:29 2009

Job Code:

Printed: Wed Feb 18 16:00:54 2009

Compound 2: 103Rh

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
1	18FEB09A 01	RINSE	0.98476	446874		0.018	18-Feb-09	11:17:48	0
2	18FEB09A 02	RINSE	0.98003	444730		0.014	18-Feb-09	11:19:44	0
3	18FEB09A 03	RINSE	0.99058	449517		0.019	18-Feb-09	11:21:58	0
4	18FEB09A 04	0 STD	0.98268	445933		0.014	18-Feb-09	11:24:32	0
5	18FEB09A 05	L/100 STD	1.0068	456890		0.016	18-Feb-09	11:27:05	0
6	18FEB09A 06	L/20 STD	0.98952	449037		0.017	18-Feb-09	11:29:39	0
7	18FEB09A 07	L/10 STD	0.96878	439622		0.021	18-Feb-09	11:32:13	0
8	18FEB09A 08	LOW/2 STD	0.97965	444557		0.016	18-Feb-09	11:34:48	0
9	18FEB09A 09	LOW STD	1.0096	458163		0.022	18-Feb-09	11:37:23	0
10	18FEB09A 10	MID STD	1.0057	456397		0.022	18-Feb-09	11:39:58	0
11	18FEB09A 11	HIGH/2 STD	1.0195	462618		0.028	18-Feb-09	11:42:34	0
12	18FEB09A 12	HIGH STD	1.0377	470906		0.030	18-Feb-09	11:45:30	0
13	18FEB09A 13	HIGH STD READBACK	1.0429	473248		0.030	18-Feb-09	11:48:42	0
14	18FEB09A 14	ICV	1.0010	454266		0.027	18-Feb-09	11:52:08	0
15	18FEB09A 15	ICB	0.96924	439834		0.016	18-Feb-09	11:57:06	0
16	18FEB09A 16	CRI_L/100	0.98464	446822		0.016	18-Feb-09	11:59:43	0
17	18FEB09A 17	ICSA	0.91263	414144		0.018	18-Feb-09	12:02:18	0
18	18FEB09A 18	ICSAB	0.93386	423776		0.016	18-Feb-09	12:04:52	0
19	18FEB09A 19	IP090217-2MB 10X	0.97229	441216		0.015	18-Feb-09	12:07:26	0
20	18FEB09A 20	IP090217-2LCS 10X	0.99134	449862		0.014	18-Feb-09	12:11:22	0
21	18FEB09A 21	0902092-4 10X	1.0062	456621		0.017	18-Feb-09	12:13:57	0
22	18FEB09A 22	ZZZZZZ	1.0233	464352		0.016	18-Feb-09	12:17:53	0
23	18FEB09A 23	ZZZZZZ	1.0358	470048		0.019	18-Feb-09	12:20:30	0
24	18FEB09A 24	0902117-1D 10X	1.0319	468256		0.012	18-Feb-09	12:23:07	0
25	18FEB09A 25	0902117-1L 50X	1.0265	465811		0.018	18-Feb-09	12:25:44	0
26	18FEB09A 26	CCV	0.99171	450029		0.023	18-Feb-09	12:28:21	0
27	18FEB09A 27	CCB	0.94329	428058		0.014	18-Feb-09	12:30:57	0
28	18FEB09A 28	0902117-1MS 10X	1.0075	457197		0.018	18-Feb-09	12:33:32	0
29	18FEB09A 29	0902117-1MSD 10X	1.0299	467360		0.016	18-Feb-09	12:36:09	0
30	18FEB09A 30	0902117-2 10X	1.0350	469677		0.019	18-Feb-09	12:38:45	0
31	18FEB09A 31	0902117-3 10X	0.96064	435930		0.020	18-Feb-09	12:42:39	0

Quantify Compound Summary Report

18FEB09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\18FEB09A

Last modified: Wed Feb 18 15:59:26 2009

Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_U_PB_AS_SE_MN+IS

Last modified: Wed Feb 18 11:15:29 2009

Job Code:

Printed: Wed Feb 18 16:00:54 2009

Compound 2: 103Rh

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
32	18FEB09A 32	0902118-2 10X	1.0081	457485	0.017	0.017	18-Feb-09	12:45:14	0
33	18FEB09A 33	0902118-4 10X	1.0076	457261	0.012	0.012	18-Feb-09	12:47:49	0
34	18FEB09A 34	0902117-1 10X	1.0190	462394	0.020	0.020	18-Feb-09	12:53:17	0
35	18FEB09A 35	0902092-5 100X	1.0261	465626	0.015	0.015	18-Feb-09	12:55:53	0
36	18FEB09A 36	CCV	0.98381	446445	0.023	0.023	18-Feb-09	12:58:30	0
37	18FEB09A 37	CCB	0.93577	424646	0.017	0.017	18-Feb-09	13:01:05	0
38	18FEB09A 38	IP090217-1MB 10X	0.95720	434368	0.017	0.017	18-Feb-09	13:32:30	0
39	18FEB09A 39	IM090217-1LCS 10X	0.99334	450771	0.025	0.025	18-Feb-09	13:35:05	0
40	18FEB09A 40	0902111-1 10X	0.72748	330125	0.019	0.019	18-Feb-09	13:37:41	0
41	18FEB09A 41	0902102-1 100X	1.0565	479437	0.016	0.016	18-Feb-09	13:41:37	0
42	18FEB09A 42	0902102-1D 100X	1.0564	479392	0.014	0.014	18-Feb-09	13:44:14	0
43	18FEB09A 43	0902102-1L 500X	1.0483	475712	0.016	0.016	18-Feb-09	13:46:52	0
44	18FEB09A 44	0902102-1MS 100X	1.0615	481722	0.016	0.016	18-Feb-09	13:49:30	0
45	18FEB09A 45	0902102-1MSD 100X	1.0400	471962	0.014	0.014	18-Feb-09	13:52:06	0
46	18FEB09A 46	ZZZZZZ	1.0184	462157	0.017	0.017	18-Feb-09	13:54:41	0
47	18FEB09A 47	ZZZZZZ	1.0193	462554	0.020	0.020	18-Feb-09	13:57:16	0
48	18FEB09A 48	CCV	1.0079	457357	0.028	0.028	18-Feb-09	13:59:52	0
49	18FEB09A 49	CCB	0.96597	438349	0.016	0.016	18-Feb-09	14:04:47	0
50	18FEB09A 50	ZZZZZZ	1.0199	462822	0.016	0.016	18-Feb-09	14:07:22	0
51	18FEB09A 51	ZZZZZZ	1.0085	457651	0.012	0.012	18-Feb-09	14:09:58	0
52	18FEB09A 52	ZZZZZZ	1.0069	456915	0.013	0.013	18-Feb-09	14:12:34	0
53	18FEB09A 53	ZZZZZZ	1.0057	456397	0.013	0.013	18-Feb-09	14:15:11	0
54	18FEB09A 54	ZZZZZZ	0.97264	441376	0.020	0.020	18-Feb-09	14:17:48	0
55	18FEB09A 55	CCV	1.0090	457875	0.025	0.025	18-Feb-09	14:20:25	0
56	18FEB09A 56	CCB	0.93831	425798	0.021	0.021	18-Feb-09	14:23:01	0
57	18FEB09A 57	0902102-2 50X	1.0370	470579	0.018	0.018	18-Feb-09	14:56:15	0
58	18FEB09A 58	0902102-3 50X	1.0220	463782	0.020	0.020	18-Feb-09	14:58:49	0
59	18FEB09A 59	0902102-4 10X	0.97124	440742	0.018	0.018	18-Feb-09	15:01:27	0
60	18FEB09A 60	0902102-5 10X	0.96346	437210	0.015	0.015	18-Feb-09	15:04:05	0
61	18FEB09A 61	0902102-6 100X	1.0364	470310	0.016	0.016	18-Feb-09	15:06:42	0
62	18FEB09A 62	0902102-7 50X	1.0365	470368	0.019	0.019	18-Feb-09	15:09:17	0

Quantify Compound Summary Report

18FEB09A

Sample List: D:\Masslynx Projects\AUG2002.PRO\SampleDB\18FEB09A

Last modified: Wed Feb 18 15:59:26 2009

Method: D:\Masslynx Projects\AUG2002.PRO\MethDB\CD_U_PB_AS_SE_MN+IS

Last modified: Wed Feb 18 11:15:29 2009

Job Code:

Printed: Wed Feb 18 16:00:54 2009

Compound 2: 103Rh

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
63	18FEB09A 63	CCV	0.99736	452595		0.027	18-Feb-09	15:11:53	0
64	18FEB09A 64	CCB	0.95012	431155		0.019	18-Feb-09	15:14:29	0
65	18FEB09A 65	ICSA_CEC	1.0427	473146		0.015	18-Feb-09	15:38:28	0
66	18FEB09A 66	ICSAB_CEC	1.0452	474323		0.013	18-Feb-09	15:41:03	0
67	18FEB09A 67	IP090217-1MB 10X	1.0170	461523		0.015	18-Feb-09	15:43:39	0
68	18FEB09A 68	IM090217-1LCS 10X	1.0157	460934		0.013	18-Feb-09	15:46:15	0
69	18FEB09A 69	0902111-1 10X	1.0186	462246		0.014	18-Feb-09	15:48:52	0
70	18FEB09A 70	CCV	0.96742	439008		0.026	18-Feb-09	15:51:30	0
71	18FEB09A 71	CCB	0.94088	426963		0.018	18-Feb-09	15:54:06	0
72	18FEB09A 72	RINSE							

Quantify Compound Summary Report
18FEB09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\18FEB09A
 Last modified: Wed Feb 18 15:59:26 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_U_PB_AS_SE_MN+IS
 Last modified: Wed Feb 18 11:15:29 2009
 Job Code:

Printed: Wed Feb 18 16:00:54 2009

Compound 9: 71Ga

#	File name	Sample ID	PPB	CPS	IS CPS %StdDev	Aq Date	AqTime	IS#
1	18FEB09A 01	RINSE	0.98632	224896	0.028	18-Feb-09	11:17:48	0
2	18FEB09A 02	RINSE	0.99312	226445	0.023	18-Feb-09	11:19:44	0
3	18FEB09A 03	RINSE	0.99244	226291	0.029	18-Feb-09	11:21:58	0
4	18FEB09A 04	0 STD	0.98742	225146	0.026	18-Feb-09	11:24:32	0
5	18FEB09A 05	L/100 STD	1.0159	231648	0.030	18-Feb-09	11:27:05	0
6	18FEB09A 06	L/20 STD	0.98133	223757	0.024	18-Feb-09	11:29:39	0
7	18FEB09A 07	L/10 STD	0.95009	216634	0.049	18-Feb-09	11:32:13	0
8	18FEB09A 08	LOW/2 STD	0.99564	227021	0.028	18-Feb-09	11:34:48	0
9	18FEB09A 09	LOW STD	0.99385	226611	0.030	18-Feb-09	11:37:23	0
10	18FEB09A 10	MID STD	1.0206	232710	0.035	18-Feb-09	11:39:58	0
11	18FEB09A 11	HIGH/2 STD	1.0157	231597	0.043	18-Feb-09	11:42:34	0
12	18FEB09A 12	HIGH STD	1.0394	237005	0.045	18-Feb-09	11:45:30	0
13	18FEB09A 13	HIGH STD READBACK	1.0590	241466	0.044	18-Feb-09	11:48:42	0
14	18FEB09A 14	ICV	1.0139	231181	0.034	18-Feb-09	11:52:08	0
15	18FEB09A 15	ICB	0.97437	222170	0.027	18-Feb-09	11:57:06	0
16	18FEB09A 16	CRI_L/100	0.99601	227104	0.027	18-Feb-09	11:59:43	0
17	18FEB09A 17	ICSA	0.96333	219654	0.032	18-Feb-09	12:02:18	0
18	18FEB09A 18	ICSAB	0.99250	226304	0.031	18-Feb-09	12:04:52	0
19	18FEB09A 19	IP090217-2MB 10X	0.99789	227533	0.026	18-Feb-09	12:07:26	0
20	18FEB09A 20	IP090217-2LCS 10X	1.0102	230342	0.025	18-Feb-09	12:11:22	0
21	18FEB09A 21	0902092-4 10X	1.0225	233152	0.030	18-Feb-09	12:13:57	0
22	18FEB09A 22	ZZZZZZ	1.0412	237414	0.029	18-Feb-09	12:17:53	0
23	18FEB09A 23	ZZZZZZ	1.0508	239590	0.025	18-Feb-09	12:20:30	0
24	18FEB09A 24	0902117-1D 10X	1.0606	241843	0.028	18-Feb-09	12:23:07	0
25	18FEB09A 25	0902117-1L 50X	1.0398	237082	0.026	18-Feb-09	12:25:44	0
26	18FEB09A 26	CCV	0.98955	225632	0.035	18-Feb-09	12:28:21	0
27	18FEB09A 27	CCB	0.95952	218784	0.031	18-Feb-09	12:30:57	0
28	18FEB09A 28	0902117-1MS 10X	1.0306	234982	0.031	18-Feb-09	12:33:32	0
29	18FEB09A 29	0902117-1MSD 10X	1.0616	242061	0.028	18-Feb-09	12:36:09	0
30	18FEB09A 30	0902117-2 10X	1.0512	239680	0.031	18-Feb-09	12:38:45	0
31	18FEB09A 31	0902117-3 10X	0.95789	218413	0.034	18-Feb-09	12:42:39	0

Quantify Compound Summary Report
18FEB09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\18FEB09A
Last modified: Wed Feb 18 15:59:26 2009
Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_U_PB_AS_SE_MN+IS
Last modified: Wed Feb 18 11:15:29 2009
Job Code:

Printed: Wed Feb 18 16:00:54 2009

Compound 9: 71Ga

#	File name	Sample ID	PPB	CPS	IS	CPS	%StdDev	Aq Date	AqTime	IS#
32	18FEB09A 32	0902118-2 10X	1.0260	233952		0.022		18-Feb-09	12:45:14	0
33	18FEB09A 33	0902118-4 10X	1.0306	234995		0.024		18-Feb-09	12:47:49	0
34	18FEB09A 34	0902117-1 10X	1.0378	236627		0.031		18-Feb-09	12:53:17	0
35	18FEB09A 35	0902092-5 100X	1.0319	235283		0.028		18-Feb-09	12:55:53	0
36	18FEB09A 36	CCV	1.0029	228685		0.033		18-Feb-09	12:58:30	0
37	18FEB09A 37	CCB	0.94420	215290		0.030		18-Feb-09	13:01:05	0
38	18FEB09A 38	IP090217-1MB 10X	0.95567	217907		0.036		18-Feb-09	13:32:30	0
39	18FEB09A 39	IM090217-1LCS 10X	0.99870	227718		0.035		18-Feb-09	13:35:05	0
40	18FEB09A 40	0902111-1 10X	0.79099	180358		0.032		18-Feb-09	13:37:41	0
41	18FEB09A 41	0902102-1 100X	1.0756	245248		0.028		18-Feb-09	13:41:37	0
42	18FEB09A 42	0902102-1D 100X	1.0677	243450		0.020		18-Feb-09	13:44:14	0
43	18FEB09A 43	0902102-1L 500X	1.0659	243040		0.028		18-Feb-09	13:46:52	0
44	18FEB09A 44	0902102-1MS 100X	1.0715	244320		0.032		18-Feb-09	13:49:30	0
45	18FEB09A 45	0902102-1MSD 100X	1.0599	241677		0.033		18-Feb-09	13:52:06	0
46	18FEB09A 46	ZZZZZZ	1.0356	236134		0.025		18-Feb-09	13:54:41	0
47	18FEB09A 47	ZZZZZZ	1.0270	234182		0.023		18-Feb-09	13:57:16	0
48	18FEB09A 48	CCV	1.0283	234464		0.037		18-Feb-09	13:59:52	0
49	18FEB09A 49	CCB	0.97218	221670		0.028		18-Feb-09	14:04:47	0
50	18FEB09A 50	ZZZZZZ	1.0416	237504		0.027		18-Feb-09	14:07:22	0
51	18FEB09A 51	ZZZZZZ	1.0263	234016		0.030		18-Feb-09	14:09:58	0
52	18FEB09A 52	ZZZZZZ	1.0187	232275		0.025		18-Feb-09	14:12:34	0
53	18FEB09A 53	ZZZZZZ	1.0379	236666		0.030		18-Feb-09	14:15:11	0
54	18FEB09A 54	ZZZZZZ	0.98910	225530		0.031		18-Feb-09	14:17:48	0
55	18FEB09A 55	CCV	1.0233	233325		0.038		18-Feb-09	14:20:25	0
56	18FEB09A 56	CCB	0.94933	216461		0.031		18-Feb-09	14:23:01	0
57	18FEB09A 57	0902102-2 50X	1.0485	239078		0.030		18-Feb-09	14:56:15	0
58	18FEB09A 58	0902102-3 50X	1.0479	238938		0.027		18-Feb-09	14:58:49	0
59	18FEB09A 59	0902102-4 10X	1.0014	228333		0.028		18-Feb-09	15:01:27	0
60	18FEB09A 60	0902102-5 10X	0.99744	227430		0.037		18-Feb-09	15:04:05	0
61	18FEB09A 61	0902102-6 100X	1.0503	239494		0.033		18-Feb-09	15:06:42	0
62	18FEB09A 62	0902102-7 50X	1.0556	240691		0.026		18-Feb-09	15:09:17	0

Quantify Compound Summary Report
18FEB09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\18FEB09A
 Last modified: Wed Feb 18 15:59:26 2009
 Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_U_PB_AS_SE_MN+IS
 Last modified: Wed Feb 18 11:15:29 2009
 Job Code:

Printed: Wed Feb 18 16:00:54 2009

Compound 9: 71Ga

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
63	18FEB09A 63	CCV	0.99460	226784		0.040	18-Feb-09	15:11:53	0
64	18FEB09A 64	CCB	0.94023	214387		0.027	18-Feb-09	15:14:29	0
65	18FEB09A 65	ICSA_CEC	1.0362	236262		0.025	18-Feb-09	15:38:28	0
66	18FEB09A 66	ICSA_CEC	1.0612	241971		0.029	18-Feb-09	15:41:03	0
67	18FEB09A 67	IP090217-1MB 10X	1.0282	234438		0.032	18-Feb-09	15:43:39	0
68	18FEB09A 68	IM090217-1ICS 10X	1.0286	234528		0.028	18-Feb-09	15:46:15	0
69	18FEB09A 69	0902111-1 10X	1.0600	241690		0.023	18-Feb-09	15:48:52	0
70	18FEB09A 70	CCV	0.98969	225664		0.041	18-Feb-09	15:51:30	0
71	18FEB09A 71	CCB	0.95800	218438		0.035	18-Feb-09	15:54:06	0
72	18FEB09A 72	RINSE							

Quantify Compound Summary Report
18FEB09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\18FEB09A

Last modified: Wed Feb 18 15:59:26 2009

Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_U_PB_AS_SE_MN+IS

Last modified: Wed Feb 18 11:15:29 2009

Job Code:

Printed: Wed Feb 18 16:00:54 2009

Compound 10: 195Pt

#	File name	Sample ID	PPB	CPS	IS CPS %StdDev	Aq Date	AqTime	IS#
1	18FEB09A 01	RINSE	1.0104	222509	0.025	18-Feb-09	11:17:48	0
2	18FEB09A 02	RINSE	0.99541	219206	0.023	18-Feb-09	11:19:44	0
3	18FEB09A 03	RINSE	1.0008	220397	0.021	18-Feb-09	11:21:58	0
4	18FEB09A 04	0 STD	1.0021	220678	0.020	18-Feb-09	11:24:32	0
5	18FEB09A 05	L/100 STD	1.0035	220979	0.027	18-Feb-09	11:27:05	0
6	18FEB09A 06	L/20 STD	0.99687	219526	0.019	18-Feb-09	11:29:39	0
7	18FEB09A 07	L/10 STD	0.96842	213261	0.049	18-Feb-09	11:32:13	0
8	18FEB09A 08	LOW/2 STD	0.98135	216109	0.027	18-Feb-09	11:34:48	0
9	18FEB09A 09	LOW STD	1.0036	221011	0.024	18-Feb-09	11:37:23	0
10	18FEB09A 10	MID STD	1.0105	222534	0.031	18-Feb-09	11:39:58	0
11	18FEB09A 11	HIGH/2 STD	1.0081	222003	0.043	18-Feb-09	11:42:34	0
12	18FEB09A 12	HIGH STD	1.0256	225843	0.045	18-Feb-09	11:45:30	0
13	18FEB09A 13	HIGH STD READBACK	1.0471	230579	0.044	18-Feb-09	11:48:42	0
14	18FEB09A 14	ICV	1.0033	220934	0.032	18-Feb-09	11:52:08	0
15	18FEB09A 15	ICB	0.95354	209984	0.023	18-Feb-09	11:57:06	0
16	18FEB09A 16	CRI L/100	0.97772	215309	0.026	18-Feb-09	11:59:43	0
17	18FEB09A 17	ICSA	0.94214	207475	0.025	18-Feb-09	12:02:18	0
18	18FEB09A 18	ICSAB	0.95615	210560	0.023	18-Feb-09	12:04:52	0
19	18FEB09A 19	IP090217-2MB 10X	0.97304	214278	0.028	18-Feb-09	12:07:26	0
20	18FEB09A 20	IP090217-2LCS 10X	0.99292	218656	0.025	18-Feb-09	12:11:22	0
21	18FEB09A 21	0902092-4 10X	0.99457	219021	0.028	18-Feb-09	12:13:57	0
22	18FEB09A 22	ZZZZZZ	0.99757	219680	0.025	18-Feb-09	12:17:53	0
23	18FEB09A 23	ZZZZZZ	1.0192	224448	0.028	18-Feb-09	12:20:30	0
24	18FEB09A 24	0902117-1D 10X	1.0189	224384	0.033	18-Feb-09	12:23:07	0
25	18FEB09A 25	0902117-1L 50X	1.0236	225408	0.020	18-Feb-09	12:25:44	0
26	18FEB09A 26	CCV	0.97957	215718	0.039	18-Feb-09	12:28:21	0
27	18FEB09A 27	CCB	0.94618	208365	0.020	18-Feb-09	12:30:57	0
28	18FEB09A 28	0902117-1MS 10X	0.98981	217971	0.029	18-Feb-09	12:33:32	0
29	18FEB09A 29	0902117-1MSD 10X	1.0296	226726	0.027	18-Feb-09	12:36:09	0
30	18FEB09A 30	0902117-2 10X	1.0245	225613	0.024	18-Feb-09	12:38:45	0
31	18FEB09A 31	0902117-3 10X	0.94165	207366	0.022	18-Feb-09	12:42:39	0

Quantify Compound Summary Report

18FEB09A

Sample List: D:\Masslynx Projects\AUG2002.PRO\SampleDB\18FEB09A

Last modified: Wed Feb 18 15:59:26 2009

Method: D:\Masslynx Projects\AUG2002.PRO\MethDB\CD_U_PB_AS_SE_MN+IS

Last modified: Wed Feb 18 11:15:29 2009

Job Code:

Printed: Wed Feb 18 16:00:54 2009

Compound 10: 195Pt

#	File name	Sample ID	PPB	CPS	IS CPS	%StdDev	Aq Date	AqTime	IS#
32	18FEB09A 32	0902118-2 10X	0.99440	218982	0.020	0.020	18-Feb-09	12:45:14	0
33	18FEB09A 33	0902118-4 10X	0.98745	217453	0.022	0.022	18-Feb-09	12:47:49	0
34	18FEB09A 34	0902117-1 10X	1.0051	221338	0.021	0.021	18-Feb-09	12:53:17	0
35	18FEB09A 35	0902092-5 100X	0.99460	219027	0.026	0.026	18-Feb-09	12:55:53	0
36	18FEB09A 36	CCV	0.97955	215712	0.037	0.037	18-Feb-09	12:58:30	0
37	18FEB09A 37	CCB	0.92049	202707	0.029	0.029	18-Feb-09	13:01:05	0
38	18FEB09A 38	IP090217-1MB 10X	0.94354	207782	0.026	0.026	18-Feb-09	13:32:30	0
39	18FEB09A 39	IM090217-1LCS 10X	0.96388	212262	0.041	0.041	18-Feb-09	13:35:05	0
40	18FEB09A 40	0902111-1 10X	0.73353	161536	0.023	0.023	18-Feb-09	13:37:41	0
41	18FEB09A 41	0902102-1 100X	1.0194	224480	0.029	0.029	18-Feb-09	13:41:37	0
42	18FEB09A 42	0902102-1D 100X	1.0145	223411	0.025	0.025	18-Feb-09	13:44:14	0
43	18FEB09A 43	0902102-1L 500X	1.0138	223245	0.027	0.027	18-Feb-09	13:46:52	0
44	18FEB09A 44	0902102-1MS 100X	1.0243	225568	0.022	0.022	18-Feb-09	13:49:30	0
45	18FEB09A 45	0902102-1MSD 100X	1.0139	223283	0.025	0.025	18-Feb-09	13:52:06	0
46	18FEB09A 46	ZZZZZZ	0.98219	216294	0.023	0.023	18-Feb-09	13:54:41	0
47	18FEB09A 47	ZZZZZZ	0.98519	216954	0.025	0.025	18-Feb-09	13:57:16	0
48	18FEB09A 48	CCV	0.97269	214202	0.039	0.039	18-Feb-09	13:59:52	0
49	18FEB09A 49	CCB	0.93892	206765	0.032	0.032	18-Feb-09	14:04:47	0
50	18FEB09A 50	ZZZZZZ	0.98562	217050	0.024	0.024	18-Feb-09	14:07:22	0
51	18FEB09A 51	ZZZZZZ	0.97095	213818	0.027	0.027	18-Feb-09	14:09:58	0
52	18FEB09A 52	ZZZZZZ	0.96696	212941	0.023	0.023	18-Feb-09	14:12:34	0
53	18FEB09A 53	ZZZZZZ	0.98426	216749	0.023	0.023	18-Feb-09	14:15:11	0
54	18FEB09A 54	ZZZZZZ	0.96533	212582	0.029	0.029	18-Feb-09	14:17:48	0
55	18FEB09A 55	CCV	0.98786	217542	0.040	0.040	18-Feb-09	14:20:25	0
56	18FEB09A 56	CCB	0.91407	201293	0.026	0.026	18-Feb-09	14:23:01	0
57	18FEB09A 57	0902102-2 50X	1.0192	224448	0.025	0.025	18-Feb-09	14:56:15	0
58	18FEB09A 58	0902102-3 50X	1.0084	222074	0.030	0.030	18-Feb-09	14:58:49	0
59	18FEB09A 59	0902102-4 10X	0.96882	213350	0.029	0.029	18-Feb-09	15:01:27	0
60	18FEB09A 60	0902102-5 10X	0.95810	210989	0.029	0.029	18-Feb-09	15:04:05	0
61	18FEB09A 61	0902102-6 100X	1.0018	220608	0.029	0.029	18-Feb-09	15:06:42	0
62	18FEB09A 62	0902102-7 50X	1.0054	221408	0.031	0.031	18-Feb-09	15:09:17	0

Quantify Compound Summary Report

18FEB09A

Sample List: D:\MassLynx Projects\AUG2002.PRO\SampleDB\18FEB09A

Last modified: Wed Feb 18 15:59:26 2009

Method: D:\MassLynx Projects\AUG2002.PRO\MethDB\CD_U_PB_AS_SE_MN+IS

Last modified: Wed Feb 18 11:15:29 2009

Job Code:

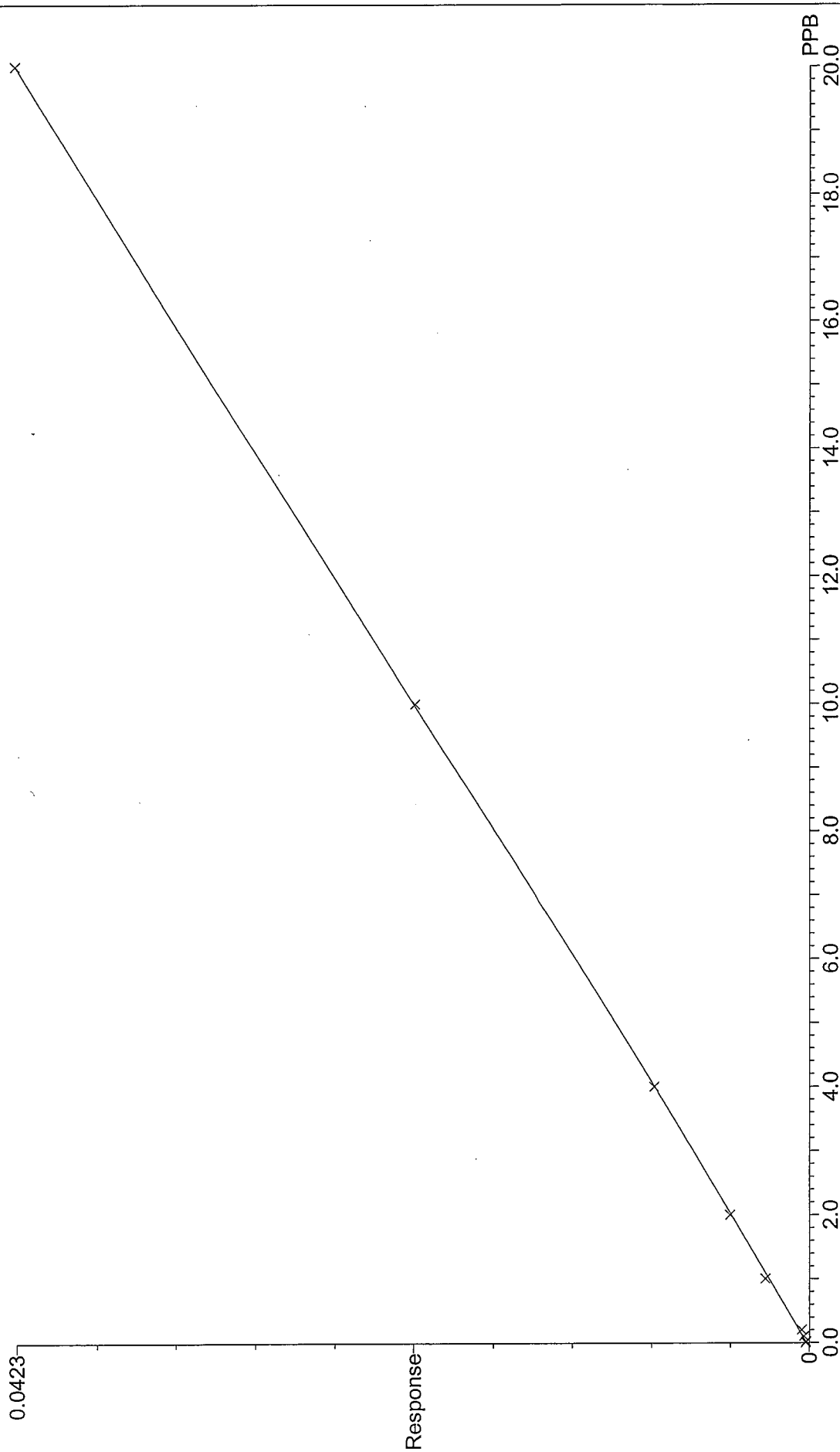
Printed: Wed Feb 18 16:00:54 2009

Compound 10: 195Pt

#	File name	Sample ID	PPB	CPS	IS	CPS %stdDev	Aq Date	AqTime	IS#
63	18FEB09A 63	CCV	0.97272	214208		0.038	18-Feb-09	15:11:53	0
64	18FEB09A 64	CCB	0.90622	199565		0.022	18-Feb-09	15:14:29	0
65	18FEB09A 65	ICSA_CEC	1.0127	223014		0.027	18-Feb-09	15:38:28	0
66	18FEB09A 66	ICSAB_CEC	1.0257	225869		0.021	18-Feb-09	15:41:03	0
67	18FEB09A 67	IP090217-1MB 10X	0.98527	216973		0.030	18-Feb-09	15:43:39	0
68	18FEB09A 68	IM090217-1ICS 10X	0.98568	217062		0.026	18-Feb-09	15:46:15	0
69	18FEB09A 69	0902111-1 10X	1.0087	222131		0.023	18-Feb-09	15:48:52	0
70	18FEB09A 70	CCV	0.93755	206464		0.039	18-Feb-09	15:51:30	0
71	18FEB09A 71	CCB	0.91387	201248		0.021	18-Feb-09	15:54:06	0
72	18FEB09A 72	RINSE							

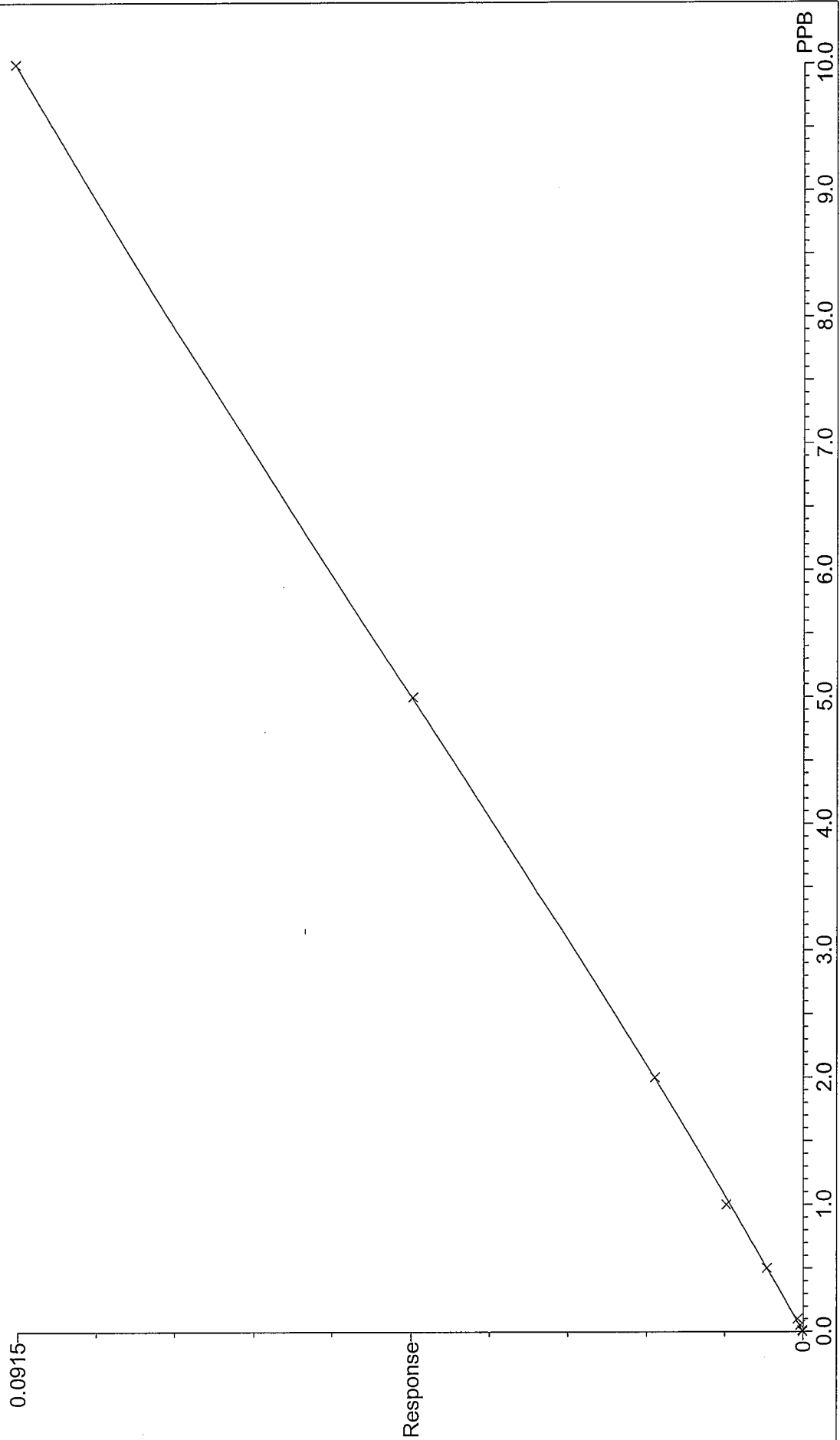
Quantify Calibration Report
18FEB09A

Compound 3 name: 78Se
Coefficient of Determination: 0.999953
Calibration curve: $-4.73514 \times 10^{-7} \cdot x^3 + 1.58239 \times 10^{-5} \cdot x^2 + 0.00198148 \cdot x + 0.000148607$
Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
Curve type: 3rd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



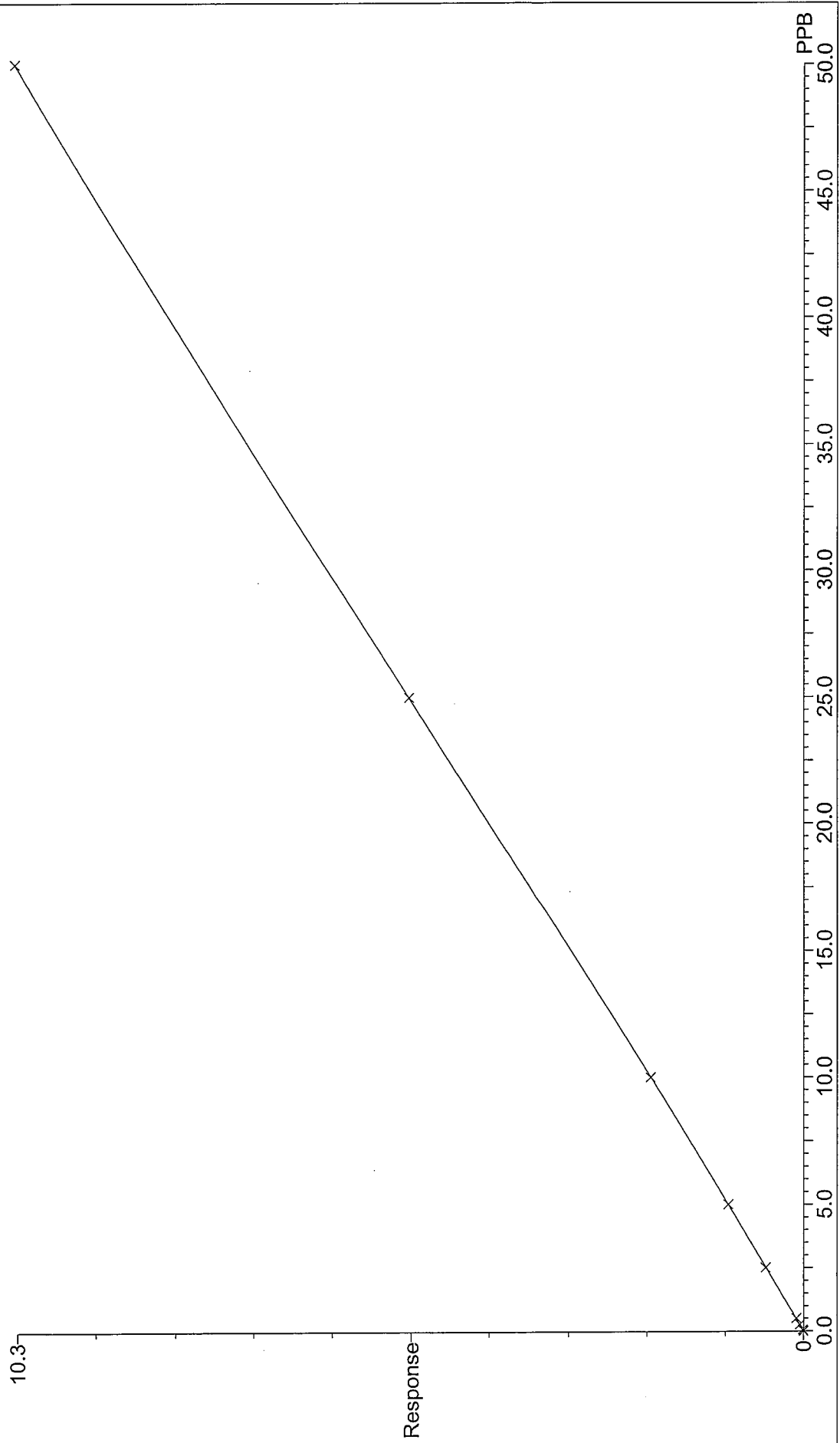
Quantify Calibration Report
18FEB09A

Compound 6 name: 1Cadmium
Coefficient of Determination: 0.999964
Calibration curve: $-1.59458e-5 * x^3 + 0.000248392 * x^2 + 0.00826155 * x + 8.54054e-6$
Response type: Internal Std (Ref 1), Area * (IS Conc. / IS Area)
Curve type: 3rd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



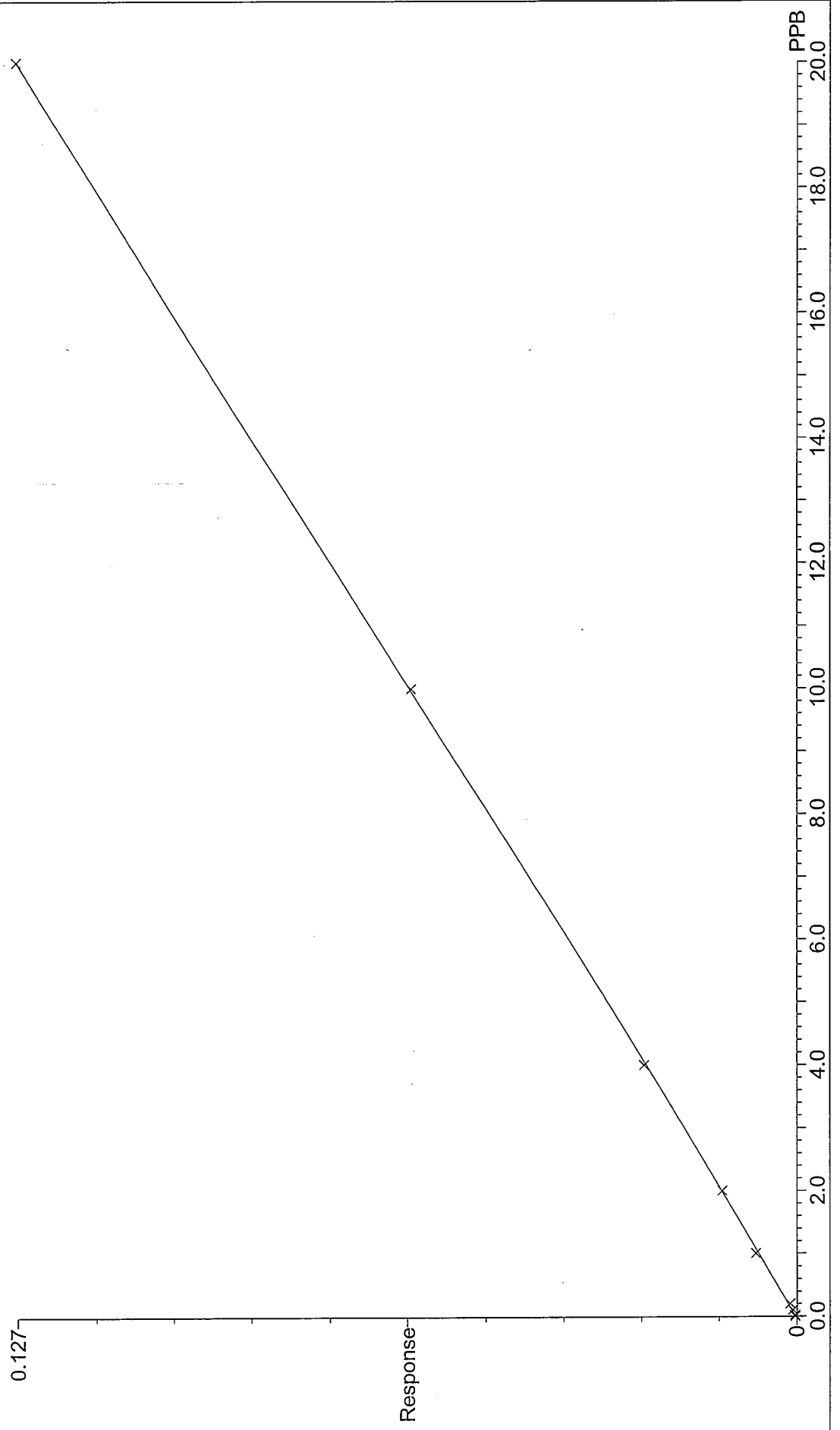
Quantify Calibration Report
18FEB09A

Compound 14 name: 0Lead
Coefficient of Determination: 0.999999
Calibration curve: $-9.65192e-6 * x^3 + 0.000713751 * x^2 + 0.193601 * x + 8.45269e-5$
Response type: Internal Std (Ref 10), Area * (IS Conc. / IS Area)
Curve type: 3rd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

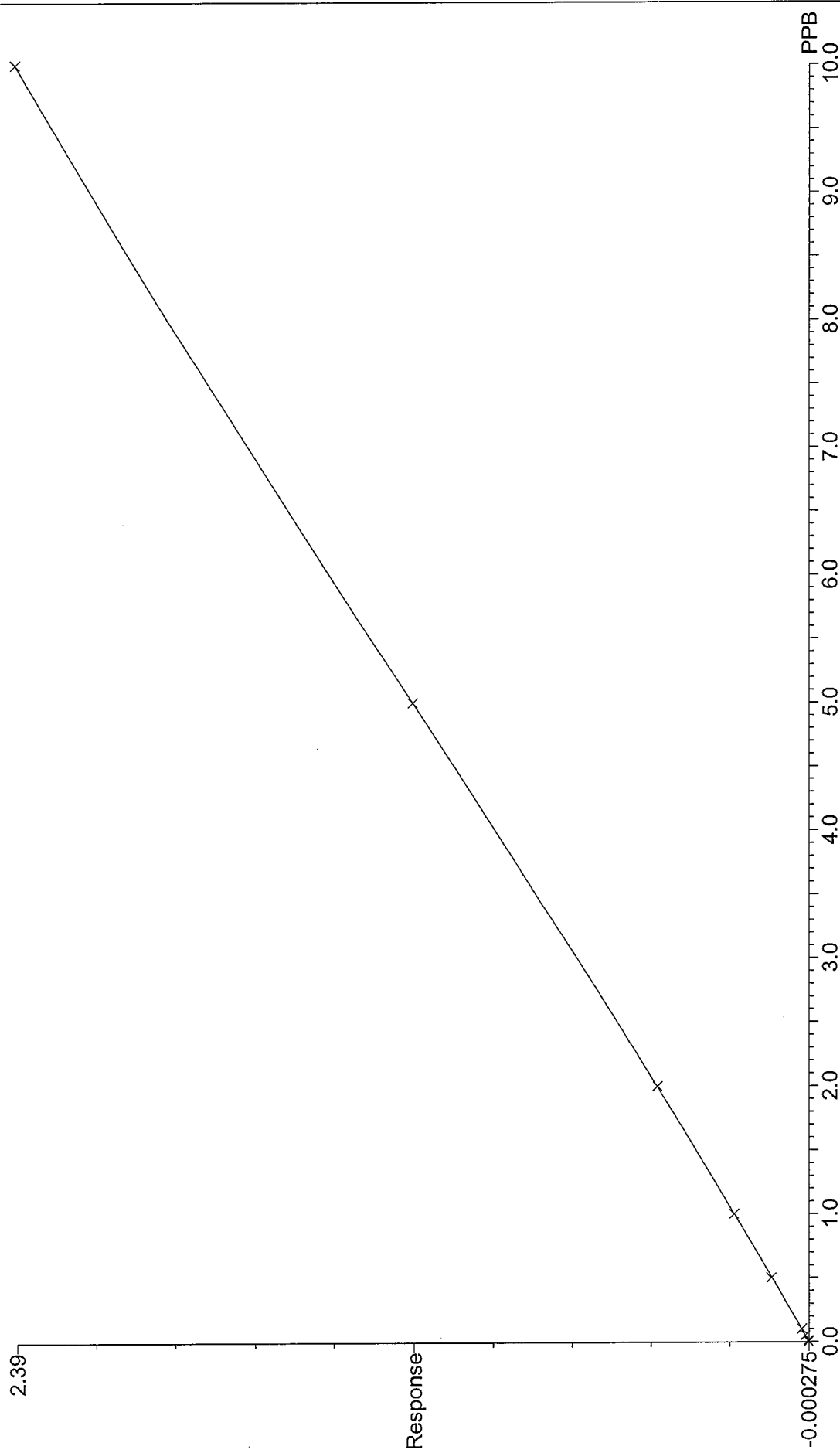


Quantify Calibration Report
18FEB09A

Compound 15 name: 75As
Coefficient of Determination: 0.999961
Calibration curve: $-1.34038e-6 * x^3 + 4.64578e-5 * x^2 + 0.00592968 * x + 0.000171788$
Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
Curve type: 3rd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

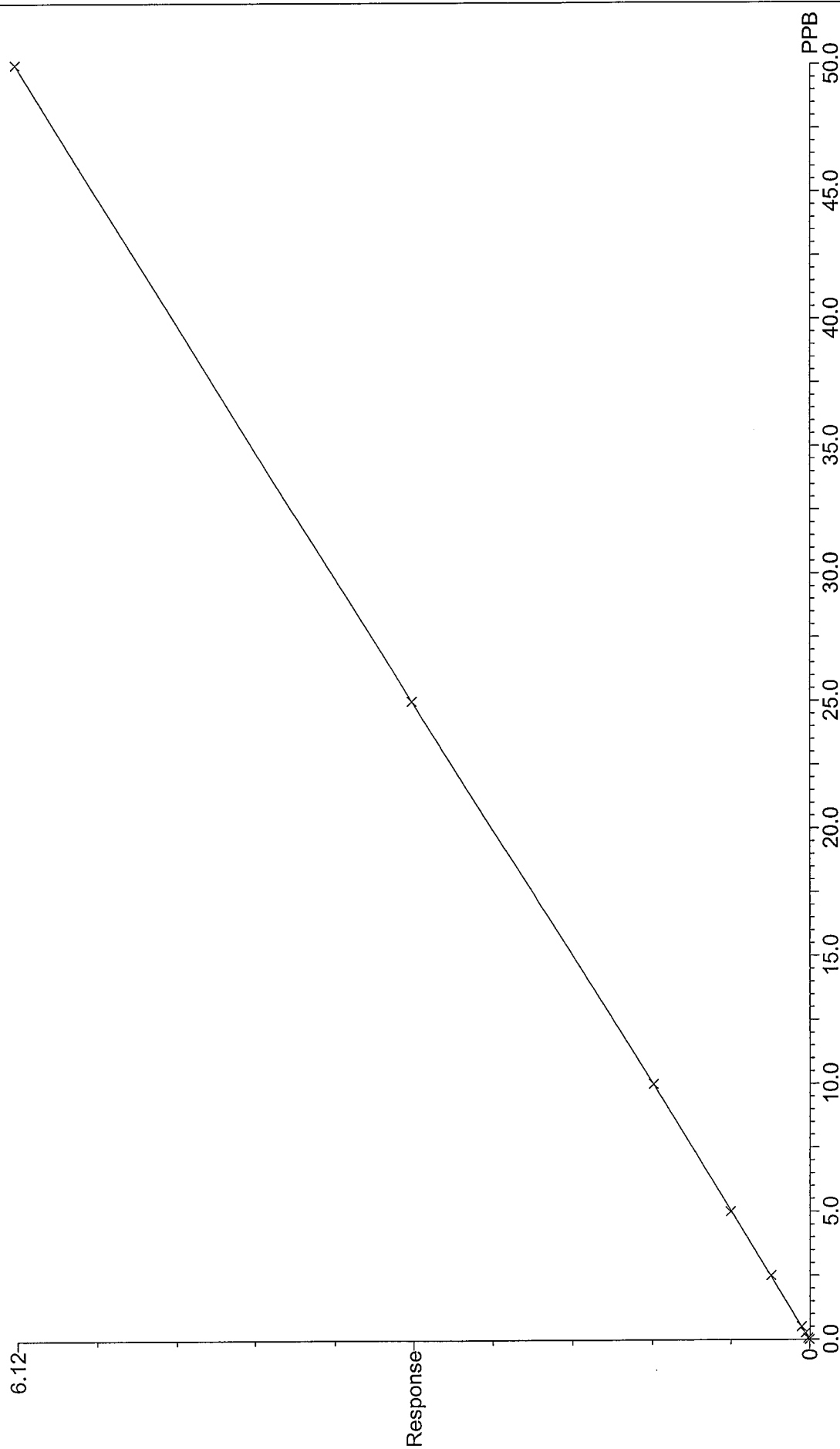


Compound 18 name: 2Uranium
Coefficient of Determination: 0.999998
Calibration curve: $-0.000376701 \cdot x^3 + 0.00567259 \cdot x^2 + 0.220227 \cdot x + -0.000275297$
Response type: Internal Std (Ref 10), Area * (IS Conc. / IS Area)
Curve type: 3rd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Quantify Calibration Report
18FEB09A

Compound 19 name: 55Mn
Coefficient of Determination: 0.999997
Calibration curve: $-2.10885e-6 * x^3 + 0.000157903 * x^2 + 0.119796 * x + 0.00397672$
Response type: Internal Std (Ref 9), Area * (IS Conc. / IS Area)
Curve type: 3rd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Header Information for Analytical Run:09022301

Analyst: SL

Standards:

Stock A: 10ppm (ST080815-3)

Stock B: 10ppm (ST080815-4)

Daily standards made by diluting stock solution 100X

Reagents:

See digestion log

Pipettes Used:

M-57 - 0.01 mL to 0.1 mL

M-55 - 1.0 mL to 5.0 mL

M-61 - 0.1 mL to 1.0 mL

Method of Dilution:

2X - Dilution made by diluting 5ml of sample to 10ml final volume.

5X - Dilution made by diluting 2.0ml of sample to 10ml final volume.

10X - Dilution made by diluting 1.0ml of sample to 10ml final volume.

20X - Dilution made by diluting 0.5ml of sample to 10ml final volume.

50X - Dilution made by diluting 0.2ml of sample to 10ml final volume.

100X - Dilution made by diluting 0.1ml of sample to 10ml final volume.

500X - Dilution made by diluting a 5X dilution 100X

1000X - Dilution made by diluting a 10X dilution 100X

Daily Maintenance:

1. Check / Change peristaltic pump tubing
2. Check gas liquid separator for deposits, clean if necessary
3. Check / Refill rinse water and stannous chloride reservoirs

Daily Maintenance done by: SL

Monthly Maintenance:

1. Check / Clean sample and reference cells
2. Check / Change Nafion drying cartridge

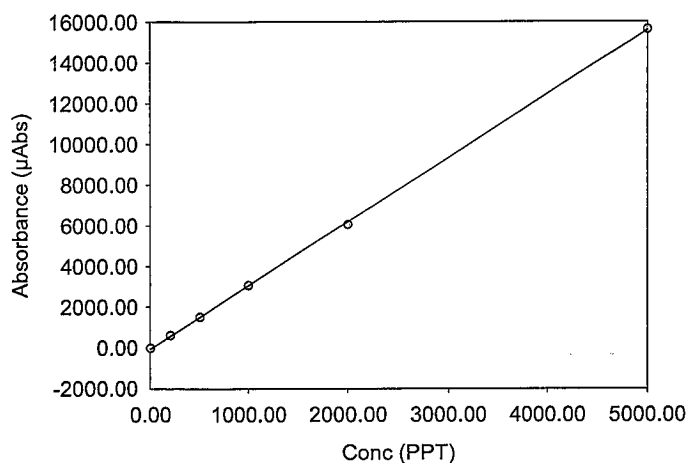
Monthly Maintenance done by: SL 02-06-2008

Analyst
Date Started
Worksheet
Comment

Monday, February 23, 2009, 13:52:27
PARAGON

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. μ Abs	Readings				Flags
Calibration Zero	23-Feb-2009, 13:52	0.00	67.30	-1.87	-3	-3	-1	-0	
Standard #1	23-Feb-2009, 13:54	200.00	0.81	628.00	621	628	630	634	
Standard #2	23-Feb-2009, 13:55	500.00	1.37	1520.00	1488	1523	1532	1532	
Standard #3	23-Feb-2009, 13:57	1000.00	0.42	3070.00	3059	3067	3082	3087	
Standard #4	23-Feb-2009, 13:58	2000.00	1.21	6060.00	5988	6025	6089	6155	
Standard #5	23-Feb-2009, 14:00	5000.00	0.46	15700.00	15572	15665	15698	15742	

Calibration Data



Int. Slope -49.024
Slope 3.132

Correlation 0.99991

Sample ID	Analysis Time	Conc (PPT)	%RSD	Avg. μ Abs	Readings				Flags
IPC	23-Feb-2009, 14:02	1960.00	0.81	6080.00	6010	6085	6105	6122	
ICV	23-Feb-2009, 14:03	1060.00	0.44	3260.00	3241	3262	3269	3274	
ICB	23-Feb-2009, 14:05	15.50	1.05	-0.57	-1	-0	-1	0	
CRA	23-Feb-2009, 14:06	200.00	1.18	578.00	567	580	582	584	
HG090220-1MB	23-Feb-2009, 14:08	14.30	1.00	-4.32	-4	-5	-4	-4	
HG090220-1LCS	23-Feb-2009, 14:09	975.00	1.40	3010.00	2949	3002	3021	3050	
HG090220-1LCSD	23-Feb-2009, 14:11	998.00	0.58	3080.00	3057	3066	3084	3098	
0902143-3	23-Feb-2009, 14:13	Sat'd.	0.00	55700.00	55714	55714	55714	55714	SO DO NOT USE
0902143-3 100X	23-Feb-2009, 14:34	Sat'd.	0.00	55700.00	55714	55714	55714	55714	SL 2-23-09
0902143-3 500X	23-Feb-2009, 14:49	4140.00	0.29	12900.00	12856	12906	12923	12943	
0902111-1	23-Feb-2009, 14:50	239.00	0.76	698.00	691	695	701	704	
CCV	23-Feb-2009, 14:52	1860.00	0.75	5780.00	5728	5757	5788	5830	
CCB	23-Feb-2009, 14:54	21.70	7.79	19.00	25	17	13	22	
0902129-1	23-Feb-2009, 14:55	19.80	1.26	13.00	12	13	13	14	
0902129-2	23-Feb-2009, 14:57	23.20	7.67	23.50	16	23	26	29	
0902129-3	23-Feb-2009, 14:58	809.00	1.37	2480.00	2447	2467	2495	2527	
0901256-5	23-Feb-2009, 15:00	15.20	11.40	-1.46	-10	1	1	2	
0901256-6	23-Feb-2009, 15:01	10.80	8.43	-15.20	-12	-14	-16	-19	
0901256-7	23-Feb-2009, 15:03	97.60	0.93	257.00	253	256	258	260	
0901256-8	23-Feb-2009, 15:05	55.60	1.00	125.00	124	124	125	127	
0901256-9	23-Feb-2009, 15:06	1.86	37.70	-43.20	-40	-44	-44	-45	
CCV	23-Feb-2009, 15:12	1880.00	0.84	5820.00	5761	5809	5850	5872	
CCB	23-Feb-2009, 15:13	15.70	1.28	0.21	-0	-0	1	0	
0902143-3 1000X	23-Feb-2009, 15:15	2060.00	0.29	6390.00	6361	6394	6392	6404	
0902143-3D 1000X	23-Feb-2009, 15:17	2330.00	0.49	7240.00	7195	7239	7264	7275	DO NOT USE
0902143-3L 5000X	23-Feb-2009, 15:18	455.00	0.45	1380.00	1367	1375	1380	1381	SL 2-23-09
0902143-3MS 1000X	23-Feb-2009, 15:20	2390.00	0.32	7420.00	7387	7426	7434	7440	
0902143-3MSD 1000X	23-Feb-2009, 15:21	2320.00	0.40	7230.00	7194	7226	7245	7261	
CRA	23-Feb-2009, 15:23	193.00	1.36	555.00	546	551	559	564	DO NOT USE
CCV	23-Feb-2009, 15:24	2010.00	1.01	6250.00	6170	6231	6280	6318	SL 2-23-09
CCB	23-Feb-2009, 15:26	13.50	7.88	-6.82	-11	-4	-8	-4	
0902143-3D 1000X	23-Feb-2009, 15:40	2090.00	0.71	6480.00	6436	6458	6494	6543	
CRA	23-Feb-2009, 15:41	191.00	0.59	548.00	545	546	551	551	
CCV	23-Feb-2009, 15:43	1960.00	0.86	6090.00	6010	6095	6121	6123	
CCB	23-Feb-2009, 15:45	11.40	2.72	-13.30	-14	-14	-13	-12	

Miscellaneous

ALS Laboratory Group - Fort Collins

Initial Prep _____ Final Prep _____

Avg. Beaker Wt. (g) 7.1

Balance(s): #30 Pipet(s):

Digestate Wt. (g) 51.18

15-2/13/09

Form 805r17.xls (12/15/05)

375237

375237

[illegible]

364963

MERCURY DIGESTION - WATER/TCLP

Method 7420 SOP 812/Rev 14 Date Analyzed 2-23-09 File 09022301 *** Init MS (prep.) MS (analysis)Digestion Date 2-20-09 Spike Witness N/A Time Start 1000 Time Finish 1200 Bath Temp 95°C

Tube #	Solution ID	Spike * Solution	Spike Volume (mL)	Final ** Volume (mL)	Comments
STD 1	0 ppb	-	-	20.0	
2	0.2 ppb	A	0.04	20.0	
3	0.5 ppb	A	0.1	20.0	
4	1.0 ppb	A	0.2	20.0	
5	2.0 ppb	A	0.4	20.0	
6	5.0 ppb	A	1.0	20.0	
	ICV	B	0.2	20.0	
	ICB	-	-	20.0	
	CRA-0.2 ppb	A	0.04	20.0	
	IPC (245.1 only)	A	0.04	20.0	
SAMPLES -- Prep. Batch ID(s) <u>H6090220-1</u> (see LIMs Prep. Batch report for sample info. (IDs, Aliquots, etc.))					
	CCVs	A	0.4	20.0	<u>3</u> # prepared
	CCBs	-	-	20.0	<u>3</u> # prepared

*** See run report for run log information.

** Laboratory DI water used to make-up to final volume.

*A: 100 ppb Hg solution made from 100x dilution (1 mL/100 mL) of ST080815-3 ID*B: 100 ppb Hg solution made from 100x dilution (1 mL/100 mL) of ST080815-4 ID (2nd source)

See run header for maintenance performed.

Digestion Cups: 821CAReagents: H₂SO₄ 47197 HNO₃ 417027 KMnO₄ R6090210-1 K₂S₂O₈ R6081110-4SnCl₂ R6090205-1 Hydroxylamine R6081110-5Balance(s) Used: 29Pipet(s) Used: M-57 M-61

Reviewed by _____ Date _____



ALS Paragon



Inorganics Case Narrative

URS

Williams-Rio Blanca -- 22240417.00001

Work Order Number: 0902111

1. This report consists of 1 water sample.
2. The sample was received cool and intact by ALS Paragon on 02/13/09.
3. The sample had been correctly preserved for the requested analyses.
4. The sample was prepared for analysis based on SW-846, 3rd Edition procedures, Methods for the Chemical Analysis of Waters and Wastes (MCAWW), May 1994 procedures, and Environmental Monitoring Systems Laboratory (EMSL) Rev 2.1 procedures.
5. The sample was analyzed following SW-846, MCAWW, and EMSL procedures for the following methods:

<u>Analyte</u>	<u>Method</u>	<u>SOP #</u>
Alkalinity	310.1	1106 Rev 7
Bicarbonate	310.1	1106 Rev 7
Carbonate	310.1	1106 Rev 7
Ammonia as N	350.1	1129 Rev 6
pH	9040B	1126 Rev 16
TDS	160.1	1101 Rev 10
Bromide	300.0	1113 Rev 11
Chloride	300.0	1113 Rev 11
Fluoride	300.0	1113 Rev 11
Nitrate as N	300.0	1113 Rev 11
Nitrite as N	300.0	1113 Rev 11
Orthophosphate as P	300.0	1113 Rev 11
Sulfate	300.0	1113 Rev 11

6. All standards and solutions were used within their recommended shelf life.
7. The sample was prepared and analyzed within the established hold time for each analysis.



All in house quality control procedures were followed, as described below.

8. General quality control procedures.

- n A preparation (method) blank and laboratory control sample (LCS) were prepared and analyzed with the samples in each applicable preparation batch. There were not more than 20 samples in each preparation batch.
- n The method blank associated with each applicable batch was below the reporting limit for the requested analytes. This indicates that no contaminants were introduced to the samples during preparation and analysis.
- n The LCS was within the acceptance limits for each applicable analysis.
- n All initial and continuing calibration blanks (ICB/CCB) associated with each applicable analytical batch were below the reporting limit for the requested analytes with the exception of CCB2 and CCB3 for orthophosphate as P. The samples bracketed by these CCBs were below the reporting limit.
- n All initial and continuing calibration verifications (ICV/CCV) associated with each applicable analytical batch were within the acceptance criteria for the requested analytes. This indicates a valid calibration and stable instrument conditions.

9. Matrix specific quality control procedures.

Sample 0902111-1 was designated as the quality control sample for the alkalinity, bicarbonate, carbonate, ammonia as N, pH, bromide, chloride, fluoride, nitrate as N, nitrite as N, orthophosphate as P, and sulfate analyses. Per method requirements, matrix QC was performed for the TDS analysis. Since a sample from this order number was not the selected quality control (QC) sample, matrix specific QC results are not included in this report.

Similarity of matrix and therefore relevance of the QC results should not be automatically inferred for any sample other than the native sample selected for QC.

- n A matrix spike (MS) and matrix spike duplicate (MSD) were prepared and analyzed with the ammonia as N, bromide, chloride, fluoride, nitrate as N, nitrite as N, orthophosphate as P, and sulfate batches. All guidance criteria for precision and accuracy were met with the following exceptions:

<u>Analyte</u>	<u>Sample ID</u>
Fluoride	0902111-1MS & MSD
Nitrite as N	0902111-1MS & MSD
Orthophosphate as P	0902111-1MS & MSD

The native sample results are flagged for fluoride, nitrite as N, and orthophosphate as P. The laboratory control sample indicates that the procedure was in control.

- n Matrix spike recoveries could not be evaluated for the following analytes:

<u>Analyte</u>	<u>Sample ID</u>
Ammonia as N	0902111-1MS & MSD
Chloride	0902111-1MS & MSD



The ammonia as N and chloride concentrations in the native sample were above the analytical range; therefore accurate quantitation of MS/MSD recoveries were not possible as the spike added was small relative to the unspiked sample concentration. The LCS, ICV, and CCV results indicate the procedure was in control for these analytes.

- A sample duplicate was prepared and analyzed with the alkalinity, bicarbonate, carbonate, and pH batches. All guidance criteria for precision were met.

10. Electrical conductivity screening indicated that the concentration of dissolved salts was high in the sample. Therefore, it was necessary to dilute the sample prior to injection into the ion chromatograph in order to minimize the amount of salts loaded into the analytical column.

It was necessary to further dilute the sample in order to bring the chloride concentration into the analytical range of the ion chromatograph (IC).

It was necessary to dilute the sample in order to bring the ammonia as N concentration into the analytical range of the flow injection analyzer (FIA).

Reduced aliquots were taken of the sample for the alkalinity, bicarbonate, and carbonate analysis. Reporting limits were elevated accordingly.

A reduced aliquot was taken of the sample for the TDS analysis. Reporting limits were elevated accordingly.

11. Manual integrations are performed when needed to provide consistent and defensible data following the guidelines in SOP 939 Revision 3. Whenever manual integrations are performed, before and after chromatograms of the peak that were manually integrated are included in the report along with the reason why the re-integration was necessary.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS Paragon certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Megan Johnson
Megan Johnson
Inorganics Primary Data Reviewer

2/25/09
Date

Q.C. [Signature]
Inorganics Final Data Reviewer

2/25/09
Date



Inorganic Data Reporting Qualifiers

The following qualifiers are used by the laboratory when reporting results of inorganic analyses.

- Concentration qualifier -- A “J” is entered if the reported value was obtained from a reading that was less than the Reporting Limit but greater than or equal to ALS Paragon’s Method Detection Limit. If the analyte was analyzed for but not detected a “U” is entered.
- QC qualifier -- Specified entries and their meanings are as follows:
 - N - Spiked sample recovery not within control limits.
 - * - Duplicate analysis (relative percent difference) not within control limits.
 - Z - Calibration spike recovery not within control limits.

ALS Paragon

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0902111

Client Name: URS

Client Project Name: Williams-Rio Blanca

Client Project Number: 22240417.00001

Client PO Number: Williams 2008

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
FE-RG-11-7-397-PW-GPTF	0902111-1		WATER	12-Feb-09	12:15
Trip Blank 011309	0902111-2		WATER	12-Feb-09	

Chain of Custody

[illegible]

CONDITION OF SAMPLE UPON RECEIPT FORM

Paragon Analytics

Client: URSWorkorder No: 0902111Project Manager: AWInitials: LJO Date: 2/13/09

1. Does this project require any special handling in addition to standard Paragon procedures?	YES	<input checked="" type="radio"/> NO
2. Are custody seals on shipping containers intact?	NONE	<input checked="" type="radio"/> YES NO
3. Are Custody seals on sample containers intact?	<input checked="" type="radio"/> NONE	YES NO
4. Is there a COC (Chain-of-Custody) present or other representative documents?	<input checked="" type="radio"/> YES	NO
5. Are the COC and bottle labels complete and legible ?	<input checked="" type="radio"/> YES	NO
6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)	<input checked="" type="radio"/> YES	NO
7. Were airbills / shipping documents present and/or removable?	DROP OFF	<input checked="" type="radio"/> YES NO
8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles)	N/A	YES <input checked="" type="radio"/> NO
9. Are all aqueous non-preserved samples pH 4-9 ?	N/A	<input checked="" type="radio"/> YES NO
10. Is there sufficient sample for the requested analyses?	<input checked="" type="radio"/> YES	NO
11. Were all samples placed in the proper containers for the requested analyses?	<input checked="" type="radio"/> YES	NO
12. Are all samples within holding times for the requested analyses?	<input checked="" type="radio"/> YES	NO
13. Were all sample containers received intact ? (not broken or leaking, etc.)	<input checked="" type="radio"/> YES	NO
14. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: <u> </u> < green pea <u> </u> > green pea	N/A	YES <input checked="" type="radio"/> NO
15. Do perchlorate LCMS-MS samples have headspace? (at least 1/3 of container required)	<input checked="" type="radio"/> N/A	YES NO
16. Were samples checked for and free from the presence of residual chlorine ? (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	<input checked="" type="radio"/> N/A	YES NO
17. Were the samples shipped on ice ?	<input checked="" type="radio"/> YES	NO
18. Were cooler temperatures measured at 0.1-6.0°C?	IR gun used*: <input checked="" type="radio"/> #2 #4	RAD ONLY <input checked="" type="radio"/> YES NO
Cooler #: <u>1</u>		
Temperature (°C): <u>3.8</u>		
No. of custody seals on cooler: <u>1</u>		
External µR/hr reading: <u>12</u>		
Background µR/hr reading: <u>12</u>		
Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? <input checked="" type="radio"/> YES / NO / NA (If no, see Form 008.)		

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND #16.

- * Sample #1 (FE-RG-11-7-397-PW-GPTF) the 1L poly for metals analysis was received at pH 5.0. 20 ml HNO₃ (G17027-Lot#) was added at 1200 on 2/13/09 by LJO for a final pH < 2.
- Sample #1 (FE-RG-11-7-397-PW-GPTF) 2 of 3 40ml VOC vial contain headspace > pea.
 ↓ ↓ ↓ 3 of 3 ↓ GRO ↓ ↓ ↓ > pea.
- Sample #1 - time on bottles: 12:15

If applicable, was the client contacted? ☒ YES / NO / NA Contact: Sheri O'Connor Date/Time: c-mail 2/13/09Project Manager Signature / Date: [Signature] 2/13/09

*IR Gun #2: Oakton, SN 29922500201-0066

*IR Gun #4: Oakton, SN 2372220101-0002

1 From This portion can be removed for Recipient's records.

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City CLEVELAND OHIO State OH ZIP 44114-3423

2 Your Internal Billing Reference 22240417.54210.00001

3 To Recipient's Name DEB FAZIO Phone 970 950-1311

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Sample Results

BICARBONATE AS CaCO₃

Method EPA310.1

Sample Results

Lab Name: ALS Paragon

Client Name: URS

Client Project ID: Williams-Rio Blanca 22240417.00001

Work Order Number: 0902111

Final Volume: 100 ml

Reporting Basis: As Received

Matrix: WATER

Prep Method: NONE

Result Units: MG/L

Client Sample ID	Lab ID	Date Collected	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	Reporting Limit	Flag	Sample Aliquot
FE-RG-11-7-397-PW-GPTF	0902111-1	02/12/2009	02/16/2009	02/16/2009	N/A	1	1100	50		10 ml

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: *ak0902111-1*

Date Printed: Tuesday, February 24, 2009

ALS Paragon

LIMS Version: 6.246A

Page 1 of 3

CARBONATE AS CaCO₃

Method EPA310.1

Sample Results

Lab Name: ALS Paragon
Client Name: URS
Client Project ID: Williams-Rio Blanca 22240417.00001
Work Order Number: 0902111 Final Volume: 100 ml
Reporting Basis: As Received Matrix: WATER
Prep Method: NONE Result Units: MG/L

Client Sample ID	Lab ID	Date Collected	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	Reporting Limit	Flag	Sample Aliquot
FE-RG-11-7-397-PW-GPTF	0902111-1	02/12/2009	02/16/2009	02/16/2009	N/A	1	50	50	U	10 ml

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: *ak0902111-1*

Date Printed: Tuesday, February 24, 2009

ALS Paragon
LIMS Version: 6.246A

Page 2 of 3

TOTAL ALKALINITY AS CaCO₃

Method EPA310.1

Sample Results

Lab Name: ALS Paragon

Client Name: URS

Client Project ID: Williams-Rio Blanca 22240417.00001

Work Order Number: 0902111

Final Volume: 100 ml

Reporting Basis: As Received

Matrix: WATER

Prep Method: NONE

Result Units: MG/L

Client Sample ID	Lab ID	Date Collected	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	Reporting Limit	Flag	Sample Aliquot
FE-RG-11-7-397-PW-GPTF	0902111-1	02/12/2009	02/16/2009	02/16/2009	N/A	1	1100	50		10 ml

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: *ak0902111-1*

Date Printed: Tuesday, February 24, 2009

ALS Paragon

LIMS Version: 6.246A

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Ammonia as N

Method EPA350.1

Sample Results

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-11-7-397-PW-GPTF
Lab ID: 0902111-1

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 12-Feb-09

Date Extracted: 20-Feb-09

Date Analyzed: 20-Feb-09

Prep Method: NONE

Prep Batch: NH090220-1

QCBatchID: NH090220-1-1

Run ID: nh090220-2a

Cleanup: NONE

Basis: As Received

File Name: 0220NH.FDT

Sample Aliquot: 5 ml

Final Volume: 5 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7664-41-7	AMMONIA AS N	20	21	2	0.6		

Data Package ID: nh0902111-1

Date Printed: Tuesday, February 24, 2009

ALS Paragon

LIMS Version: 6.246A

Page 1 of 1

pH

Method SW9040B

Sample Results

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID:	FE-RG-11-7-397-PW-GPTF
Lab ID:	0902111-1

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 12-Feb-09

Date Extracted: 16-Feb-09

Date Analyzed: 16-Feb-09

Prep Method: NONE

Prep Batch: PH090216-1

QCBatchID: PH090216-1-2

Run ID: ph090216-1a

Cleanup: NONE

Basis: As Received

File Name:

Sample Aliquot: 20 ml

Final Volume: 20 ml

Result Units: pH

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
10-29-7	PH	1	7.09	0.1		

Data Package ID: *ph0902111-1*

Date Printed: Tuesday, February 24, 2009

ALS Paragon
LIMS Version: 6.246A

Page 1 of 1

Total Dissolved Solids

Method EPA160.1

Sample Results

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-11-7-397-PW-GPTF
Lab ID: 0902111-1

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 12-Feb-09

Date Extracted: 16-Feb-09

Date Analyzed: 17-Feb-09

Prep Method: METHOD

Prep Batch: TD090216-1

QCBatchID: TD090216-1-1

Run ID: td090217-1a

Cleanup: NONE

Basis: As Received

File Name: Manual Entry

Sample Aliquot: 2 ml

Final Volume: 100 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
10-33-3	TOTAL DISSOLVED SOLIDS	1	18000	1000		

Data Package ID: *td0902111-1*

Date Printed: Tuesday, February 24, 2009

ALS Paragon

LIMS Version: 6.246A

Page 1 of 1

Ion Chromatography

Method EPA300.0 Revision 2.1

Sample Results

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-11-7-397-PW-GPTF
Lab ID: 0902111-1

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 12-Feb-09

Date Extracted: 13-Feb-09

Date Analyzed: 13-Feb-09

Prep Method: NONE

Prep Batch: IC090213-1

QCBatchID: IC090213-1-1

Run ID: ic090213-2a

Cleanup: NONE

Basis: As Received

File Name: 90213_018.DXD

Sample Aliquot: 5 ml

Final Volume: 5 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
16984-48-8	FLUORIDE	50	5	5	1.1	U	N
16887-00-6	CHLORIDE	1000	9600	200	91		
14797-65-0	NITRITE AS N	50	5	5	1.9	U	N
24959-67-9	BROMIDE	50	58	10	4.8		
14797-55-8	NITRATE AS N	50	10	10	1.3	U	
14265-44-2	ORTHOPHOSPHATE AS P	50	25	25	6.5	U	N
14808-79-8	SULFATE	50	25	50	11	J	

Data Package ID: ic0902111-1

Date Printed: Tuesday, February 24, 2009

ALS Paragon

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QC and Summary Report Forms

BICARBONATE AS CaCO₃

Method EPA310.1

Method Blank

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: AK090216-1MB

Sample Matrix: WATER

% Moisture: N/A

Prep Batch: AK090216-1

QCBatchID: AK090216-1-2

Run ID: ak090216-1a

Cleanup: NONE

Basis: N/A

Sample Aliquot: 100 ml

Final Volume: 100 ml

Result Units: MG/L

Lab ID	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	Reporting Limit	Flag
AK090216-1MB	2/16/2009	02/16/2009	N/A	1	5	5	U

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: ak0902111-1

Date Printed: Tuesday, February 24, 2009

ALS Paragon

LIMS Version: 6.246A

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CARBONATE AS CaCO₃

Method EPA310.1

Method Blank

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: AK090216-1MB

Sample Matrix: WATER

% Moisture: N/A

Prep Batch: AK090216-1

QCBatchID: AK090216-1-2

Run ID: ak090216-1a

Cleanup: NONE

Basis: N/A

Sample Aliquot: 100 ml

Final Volume: 100 ml

Result Units: MG/L

Lab ID	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	Reporting Limit	Flag
AK090216-1MB	2/16/2009	02/16/2009	N/A	1	5	5	U

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: ak0902111-1

Date Printed: Tuesday, February 24, 2009

ALS Paragon

LIMS Version: 6.246A

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TOTAL ALKALINITY AS CaCO₃

Method EPA310.1

Method Blank

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: AK090216-1MB

Sample Matrix: WATER

% Moisture: N/A

Prep Batch: AK090216-1

QCBatchID: AK090216-1-2

Run ID: ak090216-1a

Cleanup: NONE

Basis: N/A

Sample Aliquot: 100 ml

Final Volume: 100 ml

Result Units: MG/L

Lab ID	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	Reporting Limit	Flag
AK090216-1MB	2/16/2009	02/16/2009	N/A	1	5	5	U

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: ak0902111-1

Date Printed: Tuesday, February 24, 2009

ALS Paragon

LIMS Version: 6.246A

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TOTAL ALKALINITY AS CaCO₃

Method EPA310.1

Laboratory Control Sample

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: AK090216-1LCS

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 02/16/2009

Date Analyzed: 02/16/2009

Prep Batch: AK090216-1

QCBatchID: AK090216-1-2

Run ID: ak090216-1a

Cleanup: NONE

Basis: N/A

Sample Aliquot: 100 ml

Final Volume: 100 ml

Result Units: MG/L

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
11-43-8	TOTAL ALKALINITY AS CaCO ₃	100	99.2	5		99	85 - 115

Data Package ID: ak0902111-1

Date Printed: Tuesday, February 24, 2009

ALS Paragon

LIMS Version: 6.246A

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BICARBONATE AS CaCO3

Method EPA310.1

Duplicate Sample Results

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Reporting Basis: As Received

Sample Aliquot: 10 ml

Final Volume: 100ml

Matrix: WATER

Result Units MG/L

Client Sample ID	Lab ID	Date Prepared	Date Analyzed	Dilution Factor	Duplicate Result	Dup Qual	Sample Result	Samp Qual	Reporting Limit	RPD	RPD Limit
FE-RG-11-7-397-PW-GPTF	0902111-1D	02/16/2009	02/16/2009	1	1040		1100		50	1	15

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: ak0902111-1

Date Printed: Tuesday, February 24, 2009

ALS Paragon

LIMS Version: 6.246A

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CARBONATE AS CaCO₃

Method EPA310.1

Duplicate Sample Results

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Reporting Basis: As Received

Sample Aliquot: 10 ml

Final Volume: 100ml

Matrix: WATER

Result Units MG/L

Client Sample ID	Lab ID	Date Prepared	Date Analyzed	Dilution Factor	Duplicate Result	Dup Qual	Sample Result	Samp Qual	Reporting Limit	RPD	RPD Limit
FE-RG-11-7-397-PW-GPTF	0902111-1D	02/16/2009	02/16/2009	1	50	U	50	U	50		15

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: ak0902111-1

Date Printed: Tuesday, February 24, 2009

ALS Paragon

LIMS Version: 6.246A

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TOTAL ALKALINITY AS CaCO3

Method EPA310.1

Duplicate Sample Results

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Reporting Basis: As Received

Sample Aliquot: 10 ml

Final Volume: 100ml

Matrix: WATER

Result Units MG/L

Client Sample ID	Lab ID	Date Prepared	Date Analyzed	Dilution Factor	Duplicate Result	Dup Qual	Sample Result	Samp Qual	Reporting Limit	RPD	RPD Limit
FE-RG-11-7-397-PW-GPTF	0902111-1D	02/16/2009	02/16/2009	1	1040		1100		50	1	15

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: ak0902111-1

Date Printed: Tuesday, February 24, 2009

ALS Paragon

LIMS Version: 6.246A

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TOTAL ALKALINITY AS CaCO₃

Method EPA310.1

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Run ID: AK090216-1A

Result Units: MG/L

Lab ID	Verification Type	Date Analyzed	Time Analyzed	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
ICV	Initial Calibration	2/16/2009		100	98.9	5	N/A	99	85 - 115

Data Package ID: *ak0902111-1*

Date Printed: Tuesday, February 24, 2009

ALS Paragon

LIMS Version: 6.246A

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BICARBONATE AS CaCO3

Method EPA310.1

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Run ID: AK090216-1A

Result Units: MG/L

Lab ID	Verification Type	Date Analyzed	Time Analyzed	Result	Reporting Limit	Flag
ICB	Initial Calibration	2/16/2009		5	5	U

Data Package ID: ak0902111-1

Date Printed: Tuesday, February 24, 2009

ALS Paragon
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CARBONATE AS CaCO₃

Method EPA310.1

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Run ID: AK090216-1A

Result Units: MG/L

Lab ID	Verification Type	Date Analyzed	Time Analyzed	Result	Reporting Limit	Flag
ICB	Initial Calibration	2/16/2009		5	5	U

Data Package ID: *ak0902111-1*

Date Printed: Tuesday, February 24, 2009

ALS Paragon
LIMS Version: 6.246A

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TOTAL ALKALINITY AS CaCO3

Method EPA310.1

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Run ID: AK090216-1A

Result Units: MG/L

Lab ID	Verification Type	Date Analyzed	Time Analyzed	Result	Reporting Limit	Flag
ICB	Initial Calibration	2/16/2009		5	5	U

Data Package ID: ak0902111-1

Date Printed: Tuesday, February 24, 2009

ALS Paragon
LIMS Version: 6.246A

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Prep Batch ID: AK090216-1

Start Date: 02/16/09

End Date: 02/16/09

Concentration Method: NONE

Batch Created By: JBM

Start Time: 12:45

End Time: 13:45

Extract Method: NONE

Date Created: 02/16/09

Prep Analyst: Jason McNall

Initial Volume Units: ml

Time Created: 13:45

Comments:

Final Volume Units: ml

Validated By: JBM

Date Validated: 02/17/09

Time Validated: 8:42

QC Batch ID: AK090216-1-2

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
AK090216-1	MB	XXXXXX	WATER	XXXXXX	100	100	NONE	1	0902111
AK090216-1	LCS	XXXXXX	WATER	XXXXXX	100	100	NONE	1	0902111
0902111-1	DUP	FE-RG-11-7-397-PW-	WATER	2/12/2009	10	100	NONE	1	0902111
0902111-1	SMP	FE-RG-11-7-397-PW-	WATER	2/12/2009	10	100	NONE	1	0902111

QC Types

CAR	Carrier reference sample	DUP	Laboratory Duplicate
LCS	Laboratory Control Sample	LCSD	Laboratory Control Sample Duplicat
MB	Method Blank	MS	Laboratory Matrix Spike
MSD	Laboratory Matrix Spike Duplicate	REP	Sample replicate
SMP	Field Sample	SYS	Sample Yield Spike

Ammonia as N

Method EPA350.1

Method Blank

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: NH090220-1MB

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 20-Feb-09

Date Analyzed: 20-Feb-09

Prep Batch: NH090220-1

QCBatchID: NH090220-1-1

Run ID: nh090220-2a

Cleanup: NONE

Basis: N/A

File Name: 0220NH.FDT

Sample Aliquot: 5 ml

Final Volume: 5 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7664-41-7	AMMONIA AS N	1	0.1	0.1	0.03	U	

Data Package ID: nh0902111-1

Date Printed: Tuesday, February 24, 2009

ALS Paragon

LIMS Version: 6.246A

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Ammonia as N

Method EPA350.1

Laboratory Control Sample

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: NH090220-1LCS

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 02/20/2009

Date Analyzed: 02/20/2009

Prep Method: NONE

Prep Batch: NH090220-1

QCBatchID: NH090220-1-1

Run ID: nh090220-2a

Cleanup: NONE

Basis: N/A

File Name: 0220NH.FDT

Sample Aliquot: 5 ml

Final Volume: 5 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7664-41-7	AMMONIA AS N	1	1	0.1		100	90 - 110%

Data Package ID: nh0902111-1

Date Printed: Tuesday, February 24, 2009

ALS Paragon

LIMS Version: 6.246A

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AMMONIA AS N

Method EPA350.1

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Run ID: nh090220-2a

Result Units: MG/L

Lab ID	Verification Type	Date Analyzed	Time Analyzed	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
ICV	Initial Calibration	2/20/2009	13:40	1	1.01	0.1	N/A	101	90 - 110
CCV1	Continuing Calibration	2/20/2009	13:53	2	2.06	0.1	N/A	103	90 - 110
CCV2	Continuing Calibration	2/20/2009	14:05	2	2.05	0.1	N/A	102	90 - 110
CCV3	Continuing Calibration	2/20/2009	14:16	2	1.97	0.1	N/A	99	90 - 110

Data Package ID: nh0902111-1

Date Printed: Tuesday, February 24, 2009

ALS Paragon

LIMS Version: 6.246A

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AMMONIA AS N

Method EPA350.1

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Run ID: nh090220-2a

Result Units: MG/L

Lab ID	Verification Type	Date Analyzed	Time Analyzed	Result	Reporting Limit	Flag
ICB	Initial Calibration	2/20/2009	13:41	0.1	0.1	U
CCB1	Continuing Calibration	2/20/2009	13:54	0.1	0.1	U
CCB2	Continuing Calibration	2/20/2009	14:06	0.1	0.1	U
CCB3	Continuing Calibration	2/20/2009	14:17	0.1	0.1	U

Data Package ID: nh0902111-1

Date Printed: Tuesday, February 24, 2009

ALS Paragon
LIMS Version: 6.246A

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Prep Batch ID: NH090220-1

Start Date: 02/20/09

End Date: 02/20/09

Concentration Method: NONE

Batch Created By: JBM

Start Time: 8:00

End Time: 9:00

Extract Method: NONE

Date Created: 02/20/09

Prep Analyst: Jason McNall

Initial Volume Units: ml

Time Created: 7:59

Comments:

Final Volume Units: ml

Validated By: JBM

Date Validated: 02/20/09

Time Validated: 9:43

QC Batch ID: NH090220-1-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
NH090220-1	MB	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902111
NH090220-1	LCS	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902111
0902111-1	MS	FE-RG-11-7-397-PW-	WATER	2/12/2009	5	5	NONE	1	0902111
0902111-1	MSD	FE-RG-11-7-397-PW-	WATER	2/12/2009	5	5	NONE	1	0902111
0901195-4	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0901195
0902071-2	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902071
0902071-4	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902071
0902089-2	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902089
0902089-4	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902089
0902089-6	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902089
0902089-8	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902089
0902100-2	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902100
0902100-4	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902100
0902111-1	SMP	FE-RG-11-7-397-PW-	WATER	2/12/2009	5	5	NONE	1	0902111
0902140-1	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902140
0902140-2	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902140
0902140-3	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902140
0902140-4	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902140

QC Types

CAR	Carrier reference sample	DUP	Laboratory Duplicate
LCS	Laboratory Control Sample	LCSD	Laboratory Control Sample Duplicat
MB	Method Blank	MS	Laboratory Matrix Spike
MSD	Laboratory Matrix Spike Duplicate	REP	Sample replicate
SMP	Field Sample	SYS	Sample Yield Spike

pH

Method SW9040

Duplicate Sample Results

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-11-7-397-PW-G

Lab ID: 0902111-1D

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 02/12/2009

Date Extracted: 02/16/2009

Date Analyzed: 02/16/2009

Prep Batch: PH090216-1

QCBatchID: PH090216-1-2

Run ID: ph090216-1a

Cleanup: NONE

Basis: As Received

File Name:

Sample Aliquot: 20 ml

Final Volume: 20 ml

Result Units: pH

Clean DF: 1

CASNO	Target Analyte	Sample Result	Samp Qual	Duplicate Result	Dup Qual	Reporting Limit	Dilution Factor	RPD	RPD Limit
10-29-7	PH	7.09		7.12		0.1	1		0.2

Data Package ID: *ph0902111-1*

Date Printed: Tuesday, February 24, 2009

ALS Paragon

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PH
Method SW9040
Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Run ID: ph090216-1a

Result Units: pH

Lab ID	Verification Type	Date Analyzed	Time Analyzed	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
ICV	Initial Calibration	2/16/2009		7	7	0.1	N/A		6.95 - 7.05
CCV1	Continuing Calibration	2/16/2009		7	7.03	0.1	N/A		6.9 - 7.1

Data Package ID: *ph0902111-1*

Date Printed: Tuesday, February 24, 2009

ALS Paragon
LIMS Version: 6.246A

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Prep Batch ID: PH090216-1

Start Date: 02/16/09

End Date: 02/16/09

Concentration Method: NONE

Batch Created By: JBM

Start Time: 8:00

End Time: 10:30

Extract Method: NONE

Date Created: 02/16/09

Prep Analyst: Jason McNall

Initial Volume Units: ml

Time Created: 7:43

Comments:

Final Volume Units: ml

Validated By: JBM

Date Validated: 02/16/09

Time Validated: 14:09

QC Batch ID: PH090216-1-2

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
0902111-1	DUP	FE-RG-11-7-397-PW-	WATER	2/12/2009	20	20	NONE	1	0902111
0902111-1	SMP	FE-RG-11-7-397-PW-	WATER	2/12/2009	20	20	NONE	1	0902111

QC Types

CAR	Carrier reference sample	DUP	Laboratory Duplicate
LCS	Laboratory Control Sample	LCSD	Laboratory Control Sample Duplicat
MB	Method Blank	MS	Laboratory Matrix Spike
MSD	Laboratory Matrix Spike Duplicate	REP	Sample replicate
SMP	Field Sample	SYS	Sample Yield Spike

Total Dissolved Solids

Method EPA160.1

Method Blank

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: TD090216-1MB

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 16-Feb-09

Date Analyzed: 17-Feb-09

Prep Method: METHOD

Prep Batch: TD090216-1

QCBatchID: TD090216-1-1

Run ID: td090217-1a

Cleanup: NONE

Basis: N/A

File Name: Manual Entry

Sample Aliquot: 100 ml

Final Volume: 100 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
10-33-3	TOTAL DISSOLVED SOLIDS	1	20	20	U	

Data Package ID: *td0902111-1*

Date Printed: Tuesday, February 24, 2009

ALS Paragon

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Total Dissolved Solids

Method EPA160.1

Laboratory Control Sample

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: TD090216-1LCS

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 02/16/2009

Date Analyzed: 02/17/2009

Prep Method: METHOD

Prep Batch: TD090216-1

QCBatchID: TD090216-1-1

Run ID: td090217-1a

Cleanup: NONE

Basis: N/A

File Name: Manual Entry

Sample Aliquot: 100 ml

Final Volume: 100 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
10-33-3	TOTAL DISSOLVED SOLIDS	400	407	20		102	85 - 115%

Data Package ID: *td0902111-1*

Date Printed: Tuesday, February 24, 2009

ALS Paragon

LIMS Version: 6.246A

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Prep Batch ID: TD090216-1

Start Date: 02/16/09

End Date: 02/16/09

Concentration Method: NONE

Batch Created By: JBM

Start Time: 11:15

End Time: 12:00

Extract Method: METHOD

Date Created: 02/16/09

Prep Analyst: Jason McNall

Initial Volume Units: ml

Time Created: 7:44

Comments:

Final Volume Units: ml

Validated By: JBM

Date Validated: 02/16/09

Time Validated: 14:11

QC Batch ID: TD090216-1-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
TD090216-1	MB	XXXXXX	WATER	XXXXXX	100	100	NONE	1	0902100
TD090216-1	LCS	XXXXXX	WATER	XXXXXX	100	100	NONE	1	0902100
0902100-4	DUP	XXXXXX	WATER	XXXXXX	10	100	NONE	1	0902100
0901195-14	SMP	XXXXXX	WATER	XXXXXX	100	100	NONE	1	0901195
0902027-13	SMP	XXXXXX	WATER	XXXXXX	100	100	NONE	1	0902027
0902100-2	SMP	XXXXXX	WATER	XXXXXX	100	100	NONE	1	0902100
0902100-4	SMP	XXXXXX	WATER	XXXXXX	10	100	NONE	1	0902100
0902111-1	SMP	FE-RG-11-7-397-PW-	WATER	2/12/2009	2	100	NONE	1	0902111

QC Types

CAR	Carrier reference sample	DUP	Laboratory Duplicate
LCS	Laboratory Control Sample	LCSD	Laboratory Control Sample Duplicat
MB	Method Blank	MS	Laboratory Matrix Spike
MSD	Laboratory Matrix Spike Duplicate	REP	Sample replicate
SMP	Field Sample	SYS	Sample Yield Spike

Ion Chromatography

Method EPA300.0 Revision 2.1

Method Blank

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: IC090213-1MB

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 13-Feb-09

Date Analyzed: 13-Feb-09

Prep Batch: IC090213-1

QCBatchID: IC090213-1-1

Run ID: ic090213-2a

Cleanup: NONE

Basis: N/A

File Name: 90213_011.DXD

Sample Aliquot: 5 ml

Final Volume: 5 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
16984-48-8	FLUORIDE	1	0.1	0.1	0.022	U	
16887-00-6	CHLORIDE	1	0.2	0.2	0.091	U	
14797-65-0	NITRITE AS N	1	0.1	0.1	0.038	U	
24959-67-9	BROMIDE	1	0.2	0.2	0.095	U	
14797-55-8	NITRATE AS N	1	0.033	0.2	0.026	J	
14265-44-2	ORTHOPHOSPHATE AS P	1	0.5	0.5	0.13	U	
14808-79-8	SULFATE	1	1	1	0.23	U	

Data Package ID: ic0902111-1

Date Printed: Tuesday, February 24, 2009

ALS Paragon

LIMS Version: 6.246A

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Ion Chromatography

Method EPA300.0 Revision 2.1

Laboratory Control Sample

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: IC090213-1LCS

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 02/13/2009

Date Analyzed: 02/13/2009

Prep Method: NONE

Prep Batch: IC090213-1

QCBatchID: IC090213-1-1

Run ID: ic090213-2a

Cleanup: NONE

Basis: N/A

File Name: 90213_012.DXD

Sample Aliquot: 5 ml

Final Volume: 5 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
16984-48-8	FLUORIDE	2.5	2.36	0.1		95	90 - 110%
16887-00-6	CHLORIDE	5	4.9	0.2		98	90 - 110%
14797-65-0	NITRITE AS N	2	1.98	0.1		99	90 - 110%
24959-67-9	BROMIDE	5	4.85	0.2		97	90 - 110%
14797-55-8	NITRATE AS N	5	4.98	0.2		100	90 - 110%
14265-44-2	ORTHOPHOSPHATE AS P	5	5.1	0.5		102	90 - 110%
14808-79-8	SULFATE	25	24.8	1		99	90 - 110%

Data Package ID: ic0902111-1

Date Printed: Tuesday, February 24, 2009

ALS Paragon

LIMS Version: 6.246A

Page 1 of 1

Ion Chromatography

Method EPA300.0 Revision 2.1

Matrix Spike And Matrix Spike Duplicate

Lab Name: ALS Paragon
Work Order Number: 0902111
Client Name: URS
ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-11-7-397-PW-G LabID: 0902111-1MS	Sample Matrix: WATER % Moisture: N/A Date Collected: 12-Feb-09 Date Extracted: 13-Feb-09 Date Analyzed: 13-Feb-09 Prep Method: NONE	Prep Batch: IC090213-1 QCBatchID: IC090213-1-1 Run ID: ic090213-2a Cleanup: NONE Basis: As Received	Sample Aliquot: 5 ml Final Volume: 5 ml Result Units: MG/L File Name: 90213_019.DXD
-------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
16984-48-8	FLUORIDE	5	U	40.9	N	5	100	41	85 - 115%
14797-65-0	NITRITE AS N	5	U	71.4	N	5	100	71	85 - 115%
24959-67-9	BROMIDE	58		318		10	250	104	85 - 115%
14797-55-8	NITRATE AS N	10	U	257		10	250	103	85 - 115%
14265-44-2	ORTHOPHOSPHATE AS P	25	U	123	N	25	100	123	85 - 115%
14808-79-8	SULFATE	25	J	1030		50	1000	101	85 - 115%

Field ID: FE-RG-11-7-397-PW-G LabID: 0902111-1MSD	Sample Matrix: WATER % Moisture: N/A Date Collected: 12-Feb-09 Date Extracted: 13-Feb-09 Date Analyzed: 13-Feb-09 Prep Method: NONE	Prep Batch: IC090213-1 QCBatchID: IC090213-1-1 Run ID: ic090213-2a Cleanup: NONE Basis: As Received	Sample Aliquot: 5 ml Final Volume: 5 ml Result Units: MG/L File Name: 90213_020.DXD
--------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------

CASNO	Target Analyte	MSD Result	MSD Qual	Spike Added	MSD % Rec.	Reporting Limit	RPD Limit	RPD
16984-48-8	FLUORIDE	41.3	N	100	41	5	15	1
14797-65-0	NITRITE AS N	67.9	N	100	68	5	15	5
24959-67-9	BROMIDE	317		250	104	10	15	0
14797-55-8	NITRATE AS N	256		250	102	10	15	0
14265-44-2	ORTHOPHOSPHATE AS P	116	N	100	116	25	15	7
14808-79-8	SULFATE	1040		1000	101	50	15	1

Data Package ID: ic0902111-1

Ion Chromatography

Method EPA300.0 Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: ICV

QC Type: Initial Calibration

File Name: 90127_007.DXD

Run ID: ic090213-2a

Date Analyzed: 01/27/2009

Time Analyzed: 12:39

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
16984-48-8	FLUORIDE	2.5	2.39	0.1		96	90 - 110%
16887-00-6	CHLORIDE	5	4.94	0.2		99	90 - 110%
14797-65-0	NITRITE AS N	2	1.97	0.1		98	90 - 110%
24959-67-9	BROMIDE	5	5.22	0.2		104	90 - 110%
14797-55-8	NITRATE AS N	5	5.01	0.2		100	90 - 110%
14265-44-2	ORTHOPHOSPHATE AS P	5	5.03	0.5		101	90 - 110%
14808-79-8	SULFATE	25	25.7	1		103	90 - 110%

Data Package ID: ic0902111-1

Date Printed: Tuesday, February 24, 2009

ALS Paragon

LIMS Version: 6.246A

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Ion Chromatography

Method EPA300.0 Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV1

QC Type: Continuing Calibration

File Name: 90213_009.DXD

Run ID: ic090213-2a

Date Analyzed: 02/13/2009

Time Analyzed: 13:27

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
16984-48-8	FLUORIDE	5	4.81	0.1		96	90 - 110%
16887-00-6	CHLORIDE	10	9.94	0.2		99	90 - 110%
14797-65-0	NITRITE AS N	5	4.83	0.1		97	90 - 110%
24959-67-9	BROMIDE	10	9.85	0.2		99	90 - 110%
14797-55-8	NITRATE AS N	10	10	0.2		100	90 - 110%
14265-44-2	ORTHOPHOSPHATE AS P	10	9.63	0.5		96	90 - 110%
14808-79-8	SULFATE	50	49.5	1		99	90 - 110%

Data Package ID: ic0902111-1

Date Printed: Tuesday, February 24, 2009

ALS Paragon

LIMS Version: 6.246A

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Ion Chromatography

Method EPA300.0 Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV2

QC Type: Continuing Calibration

File Name: 90213_021.DXD

Run ID: ic090213-2a

Date Analyzed: 02/13/2009

Time Analyzed: 16:16

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
16984-48-8	FLUORIDE	5	4.77	0.1		95	90 - 110%
16887-00-6	CHLORIDE	10	10.1	0.2		101	90 - 110%
14797-65-0	NITRITE AS N	5	4.86	0.1		97	90 - 110%
24959-67-9	BROMIDE	10	9.85	0.2		99	90 - 110%
14797-55-8	NITRATE AS N	10	10	0.2		100	90 - 110%
14265-44-2	ORTHOPHOSPHATE AS P	10	10.3	0.5		103	90 - 110%
14808-79-8	SULFATE	50	49.8	1		100	90 - 110%

Data Package ID: ic0902111-1

Date Printed: Tuesday, February 24, 2009

ALS Paragon

LIMS Version: 6.246A

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Ion Chromatography

Method EPA300.0 Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCV3

QC Type: Continuing Calibration

File Name: 90213_024.DXD

Run ID: ic090213-2a

Date Analyzed: 02/13/2009

Time Analyzed: 16:58

Result Units: MG/L

CASNO	Target Analyte	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
16984-48-8	FLUORIDE	5	4.66	0.1		93	90 - 110%
16887-00-6	CHLORIDE	10	9.73	0.2		97	90 - 110%
14797-65-0	NITRITE AS N	5	4.8	0.1		96	90 - 110%
24959-67-9	BROMIDE	10	9.7	0.2		97	90 - 110%
14797-55-8	NITRATE AS N	10	9.83	0.2		98	90 - 110%
14265-44-2	ORTHOPHOSPHATE AS P	10	10.1	0.5		101	90 - 110%
14808-79-8	SULFATE	50	49.3	1		99	90 - 110%

Data Package ID: ic0902111-1

Date Printed: Tuesday, February 24, 2009

ALS Paragon

LIMS Version: 6.246A

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Ion Chromatography

Method EPA300.0

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: ICB

QC Type: Initial Calibration

Run ID: ic090213-2a

Date Analyzed: 01/27/2009

Time Analyzed: 12:53:13 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
16984-48-8	FLUORIDE	0.1	0.1	U
16887-00-6	CHLORIDE	0.2	0.2	U
14797-65-0	NITRITE AS N	0.1	0.1	U
24959-67-9	BROMIDE	0.2	0.2	U
14797-55-8	NITRATE AS N	0.2	0.2	U
14265-44-2	ORTHOPHOSPHATE AS P	0.5	0.5	U
14808-79-8	SULFATE	1	1	U

Data Package ID: ic0902111-1

Date Printed: Tuesday, February 24, 2009

ALS Paragon

LIMS Version: 6.246A

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Ion Chromatography

Method EPA300.0

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB1

QC Type: Continuing Calibration

Run ID: ic090213-2a

Date Analyzed: 02/13/2009

Time Analyzed: 1:42:01 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
16984-48-8	FLUORIDE	0.1	0.1	U
16887-00-6	CHLORIDE	0.11	0.2	J
14797-65-0	NITRITE AS N	0.1	0.1	U
24959-67-9	BROMIDE	0.2	0.2	U
14797-55-8	NITRATE AS N	0.2	0.2	U
14265-44-2	ORTHOPHOSPHATE AS P	0.488	0.5	J
14808-79-8	SULFATE	0.257	1	J

Data Package ID: ic0902111-1

Date Printed: Tuesday, February 24, 2009

ALS Paragon

LIMS Version: 6.246A

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Ion Chromatography

Method EPA300.0

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB2

QC Type: Continuing Calibration

Run ID: ic090213-2a

Date Analyzed: 02/13/2009

Time Analyzed: 4:30:49 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
16984-48-8	FLUORIDE	0.1	0.1	U
16887-00-6	CHLORIDE	0.0986	0.2	J
14797-65-0	NITRITE AS N	0.1	0.1	U
24959-67-9	BROMIDE	0.2	0.2	U
14797-55-8	NITRATE AS N	0.2	0.2	U
14265-44-2	ORTHOPHOSPHATE AS P	0.577	0.5	
14808-79-8	SULFATE	1	1	U

Data Package ID: ic0902111-1

Date Printed: Tuesday, February 24, 2009

ALS Paragon

LIMS Version: 6.246A

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Ion Chromatography

Method EPA300.0

Calibration Blanks

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: CCB3

QC Type: Continuing Calibration

Run ID: ic090213-2a

Date Analyzed: 02/13/2009

Time Analyzed: 5:12:59 PM

Result Units: MG/L

CASNO	Target Analyte	Result	Reporting Limit	Result Qualifier
16984-48-8	FLUORIDE	0.0615	0.1	J
16887-00-6	CHLORIDE	0.2	0.2	U
14797-65-0	NITRITE AS N	0.1	0.1	U
24959-67-9	BROMIDE	0.2	0.2	U
14797-55-8	NITRATE AS N	0.2	0.2	U
14265-44-2	ORTHOPHOSPHATE AS P	0.563	0.5	
14808-79-8	SULFATE	1	1	U

Data Package ID: ic0902111-1

Date Printed: Tuesday, February 24, 2009

ALS Paragon

LIMS Version: 6.246A

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Prep Batch ID: IC090213-1

Start Date: 02/13/09

End Date: 02/13/09

Concentration Method: NONE

Batch Created By: JBM

Start Time: 13:00

End Time: 13:15

Extract Method: NONE

Date Created: 02/13/09

Prep Analyst: Jason McNall

Initial Volume Units: ml

Time Created: 13:30

Comments:

Final Volume Units: ml

Validated By: JBM

Date Validated: 02/16/09

Time Validated: 7:11

QC Batch ID: IC090213-1-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
IC090213-1	MB	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902111
IC090213-1	LCS	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902111
0902111-1	MS	FE-RG-11-7-397-PW-	WATER	2/12/2009	5	5	NONE	1	0902111
0902111-1	MSD	FE-RG-11-7-397-PW-	WATER	2/12/2009	5	5	NONE	1	0902111
0902111-1	SMP	FE-RG-11-7-397-PW-	WATER	2/12/2009	5	5	NONE	1	0902111

QC Types

CAR	Carrier reference sample	DUP	Laboratory Duplicate
LCS	Laboratory Control Sample	LCSD	Laboratory Control Sample Duplicat
MB	Method Blank	MS	Laboratory Matrix Spike
MSD	Laboratory Matrix Spike Duplicate	REP	Sample replicate
SMP	Field Sample	SYS	Sample Yield Spike

Supporting Raw Data

Alkalinity Raw Data Worksheet

Anal Run ID **AK090216-1A**

Anal Start Date **2/16/2009**

1245-1345

JBm
2/16/09

Standardization Ref ID **AlkalinityCAL090216-1**

Rev 2/17/09

Standardization Of Alkalinity

Rep Num	THAM Conc	Aliq Titrated (mL)	vol to pH 4.5(mL)	HCl Conc(N)	Conc Units
1	0.2	1	10.35	0.0193237	N
2	0.2	1	10.28	0.0194553	N
3	0.2	1	10.29	0.0194364	N

Avg HCl Conc
0.01940509

Num	Don't Use	ReRun Num	Lab ID	QC Type	Anal Dil	Aliq Titrated (mL)	vol to pH 8.3(mL)	vol to pH 4.5(mL)	total vol(mL)	HCO3 (mg/L as CaCO3)	CO3 (mg/L as CaCO3)	OH (mg/L as CaCO3)	Total Alk (mg/L as CaCO3)	Expected	%Rec
1	<input type="checkbox"/>	0	ICV	ICV	1	100	4.93	5.26	10.19	3.201848	95.66708	0	98.86893		
2	<input type="checkbox"/>	0	ICB	ICB	1	100	0	0.22	0.22	2.13456	0	0	2.13456		
3	<input type="checkbox"/>	0	AK090216-1	MB	1	100	0	0.28	0.28	2.716712	0	0	2.716712		
4	<input type="checkbox"/>	0	AK090216-1	LCS	1	100	5.01	5.21	10.22	1.940507	97.21951	0	99.16001		
5	<input type="checkbox"/>	0	0902111-1	SMP	1	10	0	10.85	10.85	1052.726	0	0	1052.726		
6	<input type="checkbox"/>	0	0902111-1	DUP	1	10	0	10.72	10.72	1040.113	0	0	1040.113		
7	<input type="checkbox"/>	0	0901195-2	SMP	1	100	0.09	7.39	7.48	70.82858	1.746458	0	72.57504		
8	<input type="checkbox"/>	1	0901195-2	SMP	1	100	0.14	7.27	7.41	69.17914	2.716712	0	71.89585		
9	<input type="checkbox"/>	2	0901195-2	SMP	1	100	0.18	7.34	7.52	69.47022	3.492916	0	72.96313		
10	<input type="checkbox"/>	0	0902027-1	SMP	1	100	0.06	4.42	4.48	42.3031	1.164305	0	43.4674		
11	<input type="checkbox"/>	1	0902027-1	SMP	1	100	0.07	4.48	4.55	42.78823	1.358356	0	44.14658		
12	<input type="checkbox"/>	2	0902027-1	SMP	1	100	0.1	4.35	4.45	41.23582	1.940509	0	43.17632		

Comments:

Standards, Batch QC, and Matrix Spike Information

ID	Parent ID	Parent Conc	Parent Vol.	Final Vol.
ICV	ST071128-4	10000	1	100
CCV	ST071128-4	10000	1	100

Reagent List:

0.020 N HCl Titrant **RG090115-2**
 Phenolphthalein Indicator **RG080908-1**
 Bromocresol Green Indicator **RG090212-1**
 0.20 N Std. THAM **ST081201-1**
 0.20 N NaCO3 (ICV, LCS, CCV's - 1.0 mL) **ST081201-2**

JBm
2/16/09

Ammonia as N Daily Verification

Analysis Date: 02/20/09

Analyst: JBM/EAL

Run 2/23/09

Ammonia as N - Method EPA350.1/SM4500 NH3-N H/QC10-107-06-1-C - SOP 1129

	Standards Information:
Instrument : LACHAT Quickchem 8000	1st Source 50 ppm NH3-N: * ST081215-5
	2nd Source 50 ppm NH3-N: ** ST081215-6

Standards, Batch QC, and Matrix Spike Information				
I.D.	Prnt Std I.D.	Prnt Std. Conc.	Prnt Std. Vol. (mL)	Final Vol. (mL)
5.0 mg/L NH3-N	*	50 mg/L NH3-N	0.500	5.0
2.0 mg/L NH3-N	*	50 mg/L NH3-N	0.200	5.0
1.0 mg/L NH3-N	*	50 mg/L NH3-N	0.100	5.0
0.50 mg/L NH3-N	*	50 mg/L NH3-N	0.050	5.0
0.20 mg/L NH3-N	*	50 mg/L NH3-N	0.020	5.0
0.10 mg/L NH3-N	*	50 mg/L NH3-N	0.010	5.0
ICV (1.0 mg/L NH3-N)	**	50 mg/L NH3-N	0.100	5.0
LCS (AQ)(1.0 mg/L NH3-N)	**	50 mg/L NH3-N	0.100	5.0
LCS (SOIL)(2.0 mg/L NH3-N)	**	50 mg/L NH3-N	1.600	40.0
MS/MSD(AQ) (1.0mg/L NH3-N)	*	50 mg/L NH3-N	0.100	5.0
MS/MSD(SOIL) (1.0mg/L NH3-N)	*	50 mg/L NH3-N	0.800	40.0
CCV (2.0 mg/L NH3-N)	*	50 mg/L NH3-N	0.200	5.0
CRC (2.0 mg/L NH3-N)	*	50 mg/L NH3-N	0.500	5.0
LLC (0.05 mg/L NH3-N)	*	50 mg/L NH3-N	0.010	5.0

Creator: WETCHEM

Creation Date: Feb 20, 2009 11:11:21

Last Modified: Feb 20, 2009 14:32:31

Description: NH3-N(350.1);50PPM(1ST)NH3-N:ST081215-5;50PPM(2ND)NH3-N:ST081215-6;EDTABUFFER:RG09

SBM
2/20/09

for C-2/23/09

Cup #	Sample ID	Manual Dilution	Sample Type	
1	5.00 mg/l NH3-N	1.0000	CalStd	
2	2.00 mg/l NH3-N	1.0000	CalStd	
3	1.00 mg/l NH3-N	1.0000	CalStd	
4	0.50 mg/l NH3-N	1.0000	CalStd	
5	0.20 mg/l NH3-N	1.0000	CalStd	
6	0.10 mg/l NH3-N	1.0000	CalStd	
7	0.00 mg/l NH3-N	1.0000	CalStd	
1	ICV	1.0000	Unknown	
2	ICB 20 mg 2/23/09	1.0000	Unknown	
1	NH090219-1MB	1.0000	Unknown	
4	NH090206-1LCS	1.0000	Unknown	
5	0901195-4	1.0000	Unknown	
8	0902071-2	1.0000	Unknown	unknown Interference
7	0902071-4	1.0000	Unknown	
(8)	0902089-2	1.0000	Unknown	
9	0902089-4	1.0000	Unknown	
(10)	0902089-6	1.0000	Unknown	
11	0902089-8	1.0000	Unknown	
(12)	0902100-2	1.0000	Unknown	
13	CCV	1.0000	Unknown	
14	CCB	1.0000	Unknown	
15	0902100-4	1.0000	Unknown	
(16)	0902111-1	1.0000	Unknown	
(17)	0902111-1MS	1.0000	Unknown	
(18)	0902111-1MSD	1.0000	Unknown	
19	0902140-1 5X	1.0000	Unknown	
20	0902140-2 5X	1.0000	Unknown	
21	0902140-3 5X	1.0000	Unknown	
22	0902140-4 5X	1.0000	Unknown	
23	0901195-4	1.0000	Unknown	
24	0901195-4	1.0000	Unknown	
25	CCV	1.0000	Unknown	
26	CCB	1.0000	Unknown	
27	0902071-2 5X	1.0000	Unknown	
28	0902089-2 5X	1.0000	Unknown	
29	0902089-6 5X	1.0000	Unknown	
30	0902100-2 5X	1.0000	Unknown	
31	0902111-1 20X	1.0000	Unknown	
32	0902140-2	1.0000	Unknown	
33	0902140-3	1.0000	Unknown	
34	0902140-4	1.0000	Unknown	
35	CCV	1.0000	Unknown	

Cup #	Sample ID	Manual Dilution	Sample Type	
36	CCB	1.0000	Unknown	

56m
2/20/09

INSTRUMENT: Flow Injection Analysis

TRAY: 0220NH.TRA METHOD: 0220NH.MET DATAFILE: 0220NH.FDT

DATE/TIME: Fri Feb 20 13:32:10 2009 OPERATOR: WETCHEM

*** Begin Calibration ***

Cup# 1 Sample: 5.00 mg/l NH3-N Type: CalStd Level: 1 Rep# 1/1

Ch 2: Ammonia Peak Area = 61377476.0 μ v-s

Cup# 2 Sample: 2.00 mg/l NH3-N Type: CalStd Level: 2 Rep# 1/1

Ch 2: Ammonia Peak Area = 24860296.0 μ v-s

Cup# 3 Sample: 1.00 mg/l NH3-N Type: CalStd Level: 3 Rep# 1/1

Ch 2: Ammonia Peak Area = 12755386.0 μ v-s

Cup# 4 Sample: 0.50 mg/l NH3-N Type: CalStd Level: 4 Rep# 1/1

Ch 2: Ammonia Peak Area = 6770990.0 μ v-s

Cup# 5 Sample: 0.20 mg/l NH3-N Type: CalStd Level: 5 Rep# 1/1

Ch 2: Ammonia Peak Area = 2798230.5 μ v-s

Cup# 6 Sample: 0.10 mg/l NH3-N Type: CalStd Level: 6 Rep# 1/1

Ch 2: Ammonia Peak Area = 1647334.1 μ v-s

Cup# 7 Sample: 0.00 mg/l NH3-N Type: CalStd Level: 7 Rep# 1/1

Ch 2: Ammonia Peak Area = 124560.3 μ v-s

*** Updated Calibration ***

Ch 2: Ammonia

** 1st Order Poly Calibration **

C[0] = 8.19363e-008

C[1] = -0.0343404

r = 1.0000

*** End Calibration Block ***

*** Calibration Passed ***

Cup# 1 Sample: ICV Type: Unknown Rep# 1/1

Ch 2: Ammonia = 1.0127 mg/L

Cup# 2 Sample: ICB Type: Unknown Rep# 1/1

Ch 2: Ammonia = -0.0197 mg/L 20 mg 2/23/09

Cup# 1 Sample: NH090213-1MB Type: Unknown Rep# 1/1

Ch 2: Ammonia = -0.0266 mg/L 20 mg 2/23/09

Cup# 4 Sample: NH090206-1LCS Type: Unknown Rep# 1/1

Ch 2: Ammonia = 1.0041 mg/L

Cup# 5 Sample: 0901195-4 Type: Unknown Rep# 1/1

Ch 2: Ammonia = 3.8352 mg/L

Cup# 6 Sample: 0902071-2 Type: Unknown Rep# 1/1

Ch 2: Ammonia = 3.8193 mg/L

Cup# 7 Sample: 0902071-4 Type: Unknown Rep# 1/1

Ch 2: Ammonia = 0.1364 mg/L

Cup# 8 Sample: 0902089-2 Type: Unknown Rep# 1/1

Ch 2: Ammonia = 7.3281 mg/L

Cup# 9 Sample: 0902089-4 Type: Unknown Rep# 1/1

Ch 2: Ammonia = 1.6860 mg/L

Cup# 10 Sample: 0902089-6 Type: Unknown Rep# 1/1

Ch 2: Ammonia = 6.9703 mg/L

Cup# 11 Sample: 0902089-8 Type: Unknown Rep# 1/1

Ch 2: Ammonia = 1.6324 mg/L

Cup# 12 Sample: 0902100-2 Type: Unknown Rep# 1/1

Ch 2: Ammonia = 7.9809 mg/L

Cup# 13 Sample: CCV Type: Unknown Rep# 1/1

Ch 2: Ammonia = 2.0589 mg/L

Cup# 14 Sample: CCB Type: Unknown Rep# 1/1

Ch 2: Ammonia = -0.0172 mg/L

Cup# 15 Sample: 0902100-4 Type: Unknown Rep# 1/1

Ch 2: Ammonia = 2.1142 mg/L

Cup# 16 Sample: 0902111-1 Type: Unknown Rep# 1/1

Ch 2: Ammonia = 12.3723 mg/L

Cup# 17 Sample: 0902111-1MS Type: Unknown Rep# 1/1

Ch 2: Ammonia = 12.4718 mg/L

Cup# 18 Sample: 0902111-1MSD Type: Unknown Rep# 1/1

Ch 2: Ammonia = 12.5703 mg/L

Cup# 19 Sample: 0902140-1 5X Type: Unknown Rep# 1/1

Ch 2: Ammonia = 2.4380 mg/L

Cup# 20 Sample: 0902140-2 5X Type: Unknown Rep# 1/1

Ch 2: Ammonia = 0.1138 mg/L

Cup# 21 Sample: 0902140-3 5X Type: Unknown Rep# 1/1

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Ch 2: Ammonia = 0.0950 mg/L
 Cup# 22 Sample: 0902140-2 5X Type: Unknown Rep# 1/1
 Ch 2: Ammonia = 0.6766 mg/L
 Cup# 23 Sample: 0901195-4 Type: Unknown Rep# 1/1
 Ch 2: Ammonia = 3.8876 mg/L
 Cup# 24 Sample: 0901195-4 Type: Unknown Rep# 1/1
 Ch 2: Ammonia = 3.9057 mg/L
 Cup# 25 Sample: CCV Type: Unknown Rep# 1/1
 Ch 2: Ammonia = 2.0477 mg/L
 Cup# 26 Sample: CCB Type: Unknown Rep# 1/1
 Ch 2: Ammonia = -0.0106 mg/L
 Cup# 27 Sample: 0902071-2 5X Type: Unknown Rep# 1/1
 Ch 2: Ammonia = 0.1956 mg/L
 Cup# 28 Sample: 0902089-2 5X Type: Unknown Rep# 1/1
 Ch 2: Ammonia = 1.2848 mg/L
 Cup# 29 Sample: 0902089-6 5X Type: Unknown Rep# 1/1
 Ch 2: Ammonia = 1.7675 mg/L
 Cup# 30 Sample: 0902100-2 5X Type: Unknown Rep# 1/1
 Ch 2: Ammonia = 1.7170 mg/L
 Cup# 31 Sample: 0902111-1 20X Type: Unknown Rep# 1/1
 Ch 2: Ammonia = 1.0493 mg/L
 Cup# 32 Sample: 0902140-2 Type: Unknown Rep# 1/1
 Ch 2: Ammonia = 0.0346 mg/L
 Cup# 33 Sample: 0902140-3 Type: Unknown Rep# 1/1
 Ch 2: Ammonia = 0.0094 mg/L
 Cup# 34 Sample: 0902140-4 Type: Unknown Rep# 1/1
 Ch 2: Ammonia = 2.2344 mg/L
 Cup# 35 Sample: CCV Type: Unknown Rep# 1/1
 Ch 2: Ammonia = 1.9746 mg/L
 Cup# 36 Sample: CCB Type: Unknown Rep# 1/1
 Ch 2: Ammonia = -0.0185 mg/L
 ***** Tray Run Complete *****

pH Calculations and Quality Control Results

Prep & Analysis Date: 2/16/2009
Prep & Analysis Time: 0800-1030
Analyst: JBM

JBM
2/16/09

Rev. Cr 2/17/09

Reagent List:

4.01:		10.01:
ST090130-2	JBM	ST090130-4
7.00 (CCV):		7.00 (ICV):
ST090130-3		ST090130-5

ID	Temp. (°C)	Method	sample vol (g)	sample vol (mL)	pH Value	QC Acceptance Range (pH units)
pH 4.01	25.0	NA	NA	NA	4.01	+/- 0.05
pH 7.00	25.0	NA	NA	NA	7.00	
pH 10.01	25.0	NA	NA	NA	10.01	
ICV - pH 7.00	25.0	NA	NA	NA	7.00	
0901195-3	25.0	150.1	NA	20.0	9.54	
0902027-3	25.0	150.1	NA	20.0	6.17	+/- 0.10
0902111-1	25.0	SW9040	NA	20.0	7.09	
0902111-1DUP	25.0	SW9040	NA	20.0	7.12	
CCV- pH 7.00	25.0	NA	NA	NA	7.03	

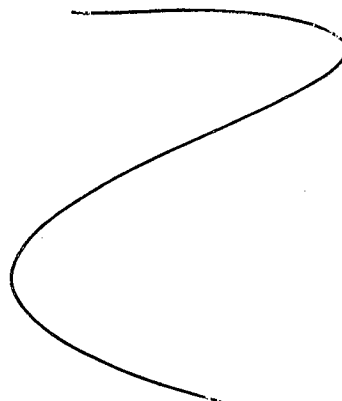
DUPLICATE SUMMARY (Aq)

ID	native pH Value	duplic pH Value	difference of native - dup	accept. limit
0902111-1	7.09	7.12	0.03	0.2 pH units

pH INFORMATION:

SOP 1126 / EPA Method 150.1, 9040B and 9045C
Instrument: Fisher Scientific pH / mV meter model 50 (SN C0000643)
Electrode: Orion - Ross Sure-Flow Electrode Model 81-72BN

JBM
2/16/09



TDS Raw Data Worksheet

Anal Run ID TD090217-1A

Anal Start Date 2/17/2009

Prop. 1115-1200 2/16/09
 Analyze 0715-1400 2/17/09
 JBM

Rev
 2/19/09

Num	Don't Use	ReRun Num	Lab ID	QC Type	Samp Vol (ml)	Empty Beaker (g)	A - Beaker + Residue gross (g)	A - Net mass (mg)	B - Beaker + Residue gross (g)	B - Net mass (mg)	gross A vs gross B (+/- 0.5mg)	% mass loss (<= 4%)	calculated conc (mg/L)	DL (mg/L)
1	<input type="checkbox"/>	0	TD090216-1	MB	100	76.4597	76.4601	0.4	76.4606	0.9	0.5	NA	9	20
2	<input type="checkbox"/>	0	TD090216-1	LCS	100	78.167	78.2077	40.7	78.2077	40.7	0	0.00%	407	20
3	<input type="checkbox"/>	0	0901195-14	SMP	100	66.7205	66.7599	39.4	66.7599	39.4	0	0.00%	394	20
4	<input type="checkbox"/>	0	0902027-13	SMP	100	78.4586	78.4866	28	78.4868	28.2	0.2	0.71%	282	20
5	<input type="checkbox"/>	0	0902100-2	SMP	100	65.2791	65.3145	35.4	65.3143	35.2	0.2	0.57%	352	20
6	<input type="checkbox"/>	0	0902100-4	SMP	10	21.1581	21.2957	137.6	21.2943	136.2	1.4	1.02%	13620	200
7	<input type="checkbox"/>	0	0902100-4	DUP	10	21.5546	21.6919	137.3	21.6905	135.9	1.4	1.02%	13590	200
8	<input type="checkbox"/>	0	0902111-1	SMP	2	21.1501	21.1854	35.3	21.1857	35.6	0.3	0.85%	17800	1000
9	<input type="checkbox"/>	0	T090216-1	MB	100	81.1666	81.1663	-0.3	81.1661	-0.5	0.2	NA	-5	20
10	<input type="checkbox"/>	0	T090216-1	LCS	100	65.3475	65.3878	40.3	65.3884	40.9	0.6	1.48%	409	20
11	<input type="checkbox"/>	0	0901195-14	SMP	100	81.2873	81.3322	44.9	81.3325	45.2	0.3	0.67%	452	20
12	<input type="checkbox"/>	0	0902027-13	SMP	100	65.8624	65.8945	32.1	65.8946	32.2	0.1	0.31%	322	20

Comments:

Standards, Batch QC, and Matrix Spike Information

ID	Parent ID	Parent Conc	Parent Vol.	Final Vol.
LCS	ST080414-1	40000	1	100

Reagent List:

TDS Spike Solution: 40.0 mg NaCl/mL ST080414-1

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2/17/09

Line	Sample	Sample Type	Method	Data File	Comment
1	5X STD	Calibration	090127.met	c:\peaknet\data\090127\090127_001.dxd	
2	10X STD	Calibration	090127.met	c:\peaknet\data\090127\090127_002.dxd	
3	25X STD	Calibration	090127.met	c:\peaknet\data\090127\090127_003.dxd	
4	100X STD	Calibration	090127.met	c:\peaknet\data\090127\090127_004.dxd	
5	1000X STD	Calibration	090127.met	c:\peaknet\data\090127\090127_005.dxd	
6	0 STD	Calibration	090127.met	c:\peaknet\data\090127\090127_006.dxd	
7	ICV	Sample	090127.met	c:\peaknet\data\090127\090127_007.dxd	ICV
8	ICB	Sample	090127.met	c:\peaknet\data\090127\090127_008.dxd	ICB
9	0901181-11 10X	Sample	090127.met	c:\peaknet\data\090127\090127_009.dxd	CL,SO4-9056
10	0901181-12 10X	Sample	090127.met	c:\peaknet\data\090127\090127_010.dxd	CL,SO4-9056
11	0901181-13 5X	Sample	090127.met	c:\peaknet\data\090127\090127_011.dxd	CL,SO4-9056
12	0901181-14 10X	Sample	090127.met	c:\peaknet\data\090127\090127_012.dxd	CL,SO4-9056
13	IC090127-1MB	Sample	090127.met	c:\peaknet\data\090127\090127_013.dxd	WATER
14	IC090127-1LCS	Sample	090127.met	c:\peaknet\data\090127\090127_014.dxd	WATER
15	0901223-1 5X	Sample	090127.met	c:\peaknet\data\090127\090127_015.dxd	F,CL,NO2,BR,NO3,SO4-300.0
16	0901223-2 5X	Sample	090127.met	c:\peaknet\data\090127\090127_016.dxd	F,CL,NO2,BR,NO3,SO4-300.0
17	0901223-1MS 5X	Sample	090127.met	c:\peaknet\data\090127\090127_017.dxd	F,CL,NO2,BR,NO3,SO4-300.0
18	0901223-1MSD 5X	Sample	090127.met	c:\peaknet\data\090127\090127_018.dxd	F,CL,NO2,BR,NO3,SO4-300.0
19	CCV	Sample	090127.met	c:\peaknet\data\090127\090127_019.dxd	CCV — $Cl^- 10.8\%$ $SO_4^{2-} 10.7\%$
20	CCB	Sample	090127.met	c:\peaknet\data\090127\090127_020.dxd	CCB
21	0901217-1 5X	Sample	090127.met	c:\peaknet\data\090127\090127_021.dxd	CL,SO4-300.0
22	0901217-1MS 5X	Sample	090127.met	c:\peaknet\data\090127\090127_022.dxd	CL,SO4-300.0
23	0901217-1MSD 5X	Sample	090127.met	c:\peaknet\data\090127\090127_023.dxd	CL,SO4-300.0
24	0901217-2 20X	Sample	090127.met	c:\peaknet\data\090127\090127_024.dxd	SO4-300.0
25	0901217-2 2000X	Sample	090127.met	c:\peaknet\data\090127\090127_025.dxd	CL-300.0
26	0901217-3 20X	Sample	090127.met	c:\peaknet\data\090127\090127_026.dxd	SO4-300.0
27	0901217-3 2000X	Sample	090127.met	c:\peaknet\data\090127\090127_027.dxd	CL-300.0
28	0901217-5 50X	Sample	090127.met	c:\peaknet\data\090127\090127_028.dxd	SO4-300.0
29	0901217-5 1000X	Sample	090127.met	c:\peaknet\data\090127\090127_029.dxd	CL-300.0
30	0901217-6 20X	Sample	090127.met	c:\peaknet\data\090127\090127_030.dxd	CL-300.0
31	CCV	Sample	090127.met	c:\peaknet\data\090127\090127_031.dxd	CCV
32	CCB	Sample	090127.met	c:\peaknet\data\090127\090127_032.dxd	CCB — $SO_4^{2-} 10.7\%$
33	0901217-9 2X	Sample	090127.met	c:\peaknet\data\090127\090127_033.dxd	CL,SO4-300.0
34	0901217-11 50X	Sample	090127.met	c:\peaknet\data\090127\090127_034.dxd	CL-300.0
35	0901217-13 500X	Sample	090127.met	c:\peaknet\data\090127\090127_035.dxd	CL-300.0
36	0901223-1 100X	Sample	090127.met	c:\peaknet\data\090127\090127_036.dxd	F,CL,NO2,BR,NO3,SO4-300.0
37	0901223-2 100X	Sample	090127.met	c:\peaknet\data\090127\090127_037.dxd	F,CL,NO2,BR,NO3,SO4-300.0
38	0901221-1 50X	Sample	090127.met	c:\peaknet\data\090127\090127_038.dxd	CL,SO4-9056
39	0901221-2 50X	Sample	090127.met	c:\peaknet\data\090127\090127_039.dxd	CL,SO4-9056
40	0901221-3 200X	Sample	090127.met	c:\peaknet\data\090127\090127_040.dxd	CL,SO4-9056
41	0901221-4 200X	Sample	090127.met	c:\peaknet\data\090127\090127_041.dxd	CL,SO4-9056
42	0901221-5 50X	Sample	090127.met	c:\peaknet\data\090127\090127_042.dxd	CL,SO4-9056
43	CCV	Sample	090127.met	c:\peaknet\data\090127\090127_043.dxd	CCV
44	CCB	Sample	090127.met	c:\peaknet\data\090127\090127_044.dxd	CCB
45	0901221-6 100X	Sample	090127.met	c:\peaknet\data\090127\090127_045.dxd	CL,SO4-9056
46	0901221-7 2000X	Sample	090127.met	c:\peaknet\data\090127\090127_046.dxd	CL,SO4-9056
47	0901221-8 2000X	Sample	090127.met	c:\peaknet\data\090127\090127_047.dxd	CL,SO4-9056
48	0901221-9 500X	Sample	090127.met	c:\peaknet\data\090127\090127_048.dxd	CL,SO4-9056
49	0901221-10 100X	Sample	090127.met	c:\peaknet\data\090127\090127_049.dxd	CL,SO4-9056
50	0901221-11 50X	Sample	090127.met	c:\peaknet\data\090127\090127_050.dxd	CL,SO4-9056
51	0901221-12 2000X	Sample	090127.met	c:\peaknet\data\090127\090127_051.dxd	CL,SO4-9056
52	0901221-13 100X	Sample	090127.met	c:\peaknet\data\090127\090127_052.dxd	CL,SO4-9056
53	0901221-14 200X	Sample	090127.met	c:\peaknet\data\090127\090127_053.dxd	CL,SO4-9056
54	0901221-15 200X	Sample	090127.met	c:\peaknet\data\090127\090127_054.dxd	CL,SO4-9056
55	CCV	Sample	090127.met	c:\peaknet\data\090127\090127_055.dxd	CCV
56	CCB	Sample	090127.met	c:\peaknet\data\090127\090127_056.dxd	CCB — $Cl^- 0.28\text{mg/L}$ *
57	0901221-16 200X	Sample	090127.met	c:\peaknet\data\090127\090127_057.dxd	CL,SO4-9056
58	0901221-17 500X	Sample	090127.met	c:\peaknet\data\090127\090127_058.dxd	CL,SO4-9056
59	0901221-17MS 500X	Sample	090127.met	c:\peaknet\data\090127\090127_059.dxd	CL,SO4-9056
60	IC090127-2MB	Sample	090127.met	c:\peaknet\data\090127\090127_060.dxd	WATER
61	IC090127-2LCS	Sample	090127.met	c:\peaknet\data\090127\090127_061.dxd	WATER
62	0901228-2 5X	Sample	090127.met	c:\peaknet\data\090127\090127_062.dxd	CL,NO3,SO4-300.0
63	0901228-4 5X	Sample	090127.met	c:\peaknet\data\090127\090127_063.dxd	CL,NO3,SO4-300.0
64	0901228-2MS 5X	Sample	090127.met	c:\peaknet\data\090127\090127_064.dxd	CL,NO3,SO4-300.0
65	0901228-2MSD 5X	Sample	090127.met	c:\peaknet\data\090127\090127_065.dxd	CL,NO3,SO4-300.0
66	0901228-2 200X	Sample	090127.met	c:\peaknet\data\090127\090127_066.dxd	CL,NO3,SO4-300.0
67	CCV	Sample	090127.met	c:\peaknet\data\090127\090127_067.dxd	CCV
68	CCB	Sample	090127.met	c:\peaknet\data\090127\090127_068.dxd	CCB
69	0901228-4 200X	Sample	090127.met	c:\peaknet\data\090127\090127_069.dxd	CL,NO3,SO4-300.0
70	CCV	Sample	090127.met	c:\peaknet\data\090127\090127_070.dxd	CCV
71	CCB	Sample	090127.met	c:\peaknet\data\090127\090127_071.dxd	CCB
72	STOP.MET	Sample	stop.met		

Default Method Path: C:\PEAKNET\METHOD

Default Data Path: C:\PEAKNET\DATA\081104

Comment:

BatchDx created schedule.

Instrument #1: DIONEX DX-120. ID Serial Number: 99060762

Analytical Column: Dionex IonPac AS14 S/N 022150

Methods: EPA 300.0 and SW9056. ALS Paragon SOP 1113

Eluent: Made daily, 10mL of Eluent Concentrate ID: RG080610-2 to 1000mL of DI water.

	Final	ID	Aliq
cal std level 1 (1000x)	10.00	ST080722-8, ST081201-8	0.01
cal std level 2 (100x)	5.00	"	0.05
cal std level 3 (25x)	5.00	"	0.20
cal std level 4 (10x)	5.00	"	0.50
cal std level 5 (5x)	5.00	"	1.00
CCV	5.00	ST080722-8, ST081201-8	0.50

ICV	5.00	ST081229-11	0.25
		ST081201-7	0.05
LCS(aq)	5.00	ST081229-11	0.25
		ST081201-7	0.05
MS/MSD (waters)	5.00	ST080219-9	0.05
		ST081201-6	0.05

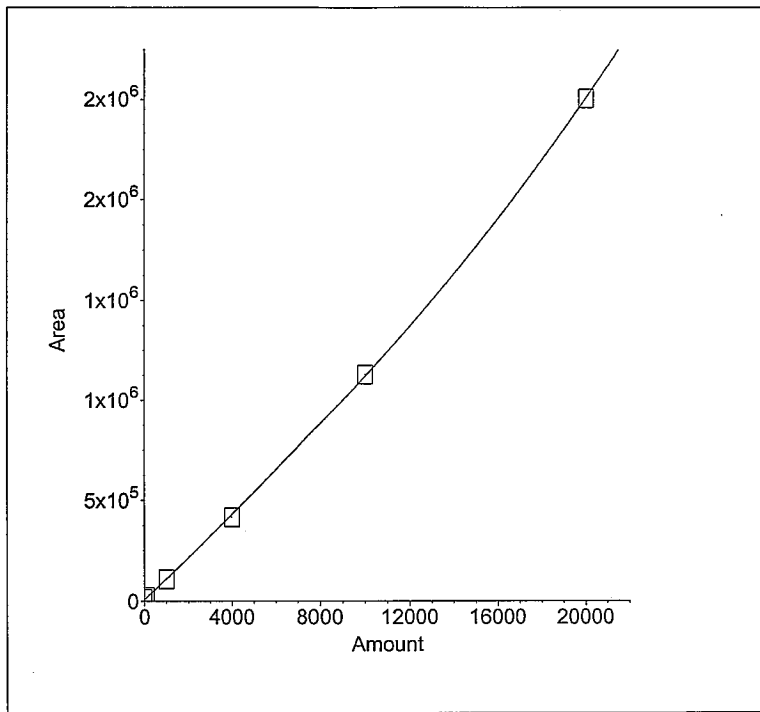
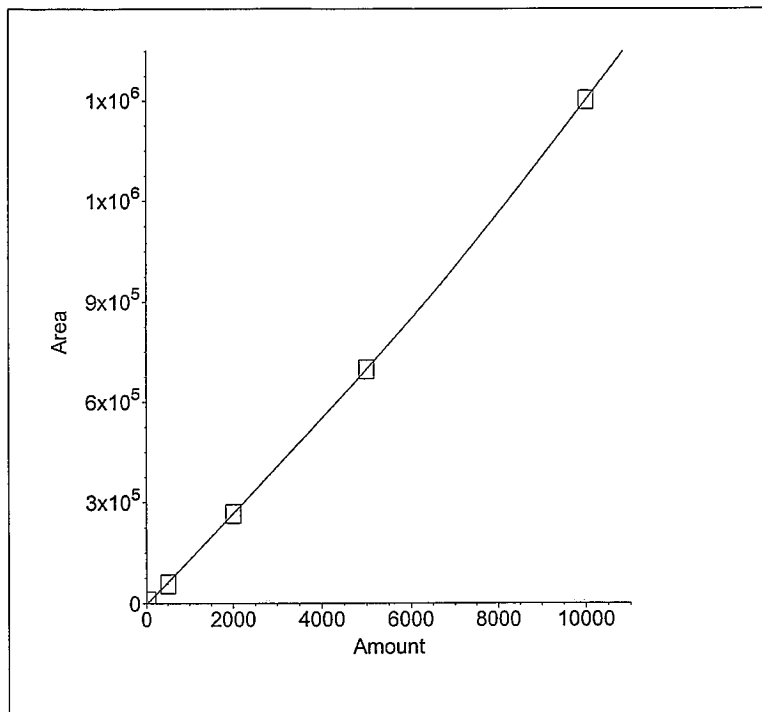
Dilutions Table: All to 5mL Final Volume

10X	0.5mL
20X	0.25mL
25X	0.2mL
50X	0.1mL
100X	0.05mL
200X	0.025mL
500X	0.01mL

1. Component:Fluoride
 Standard:External Fit Type:Quadratic
 Origin:Ignore Calibration:Area
 $r^2=0.999970$
 $Amt=-5.163853e-010*Resp^2+$
 $6.918625e-003*Resp+35.53$

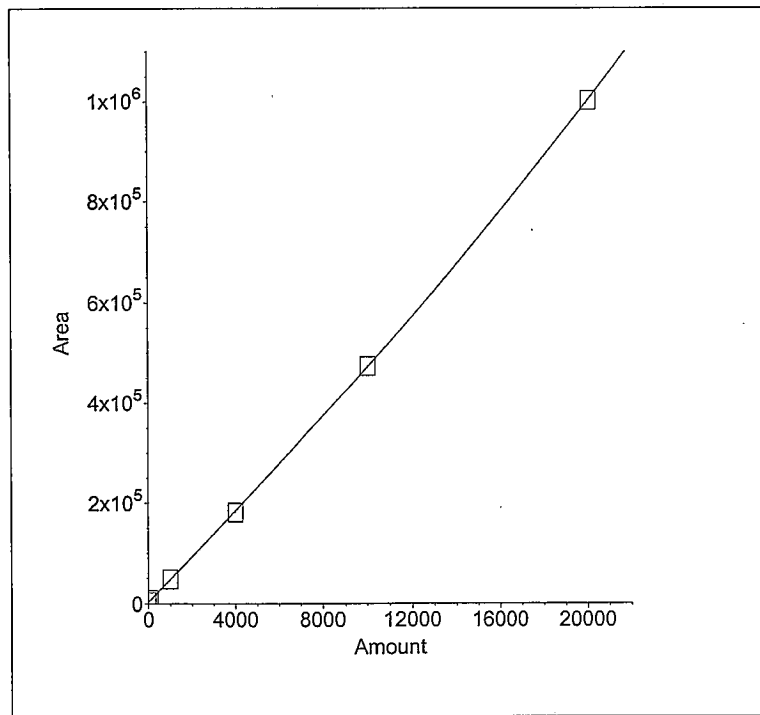
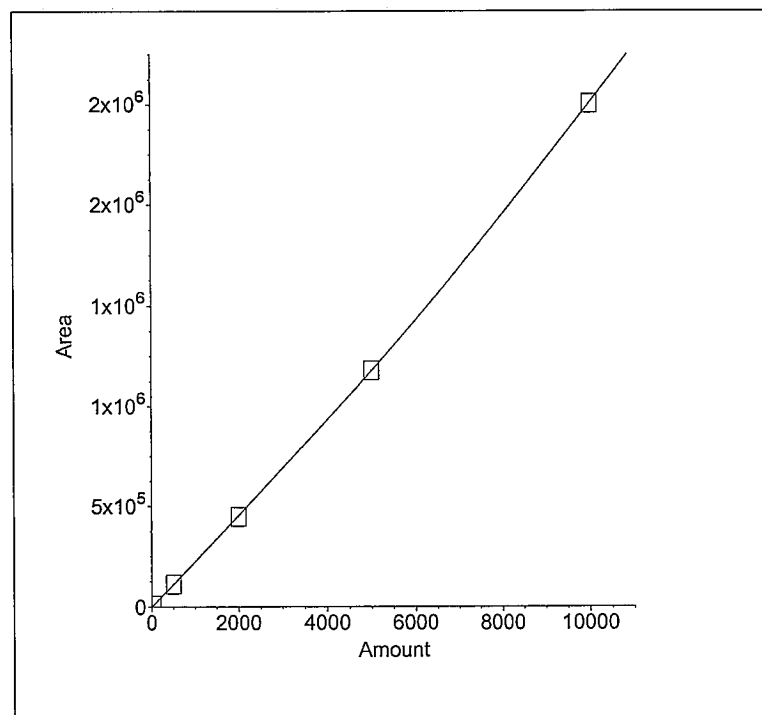
2. Component:Chloride
 Standard:External Fit Type:Quadratic
 Origin:Ignore Calibration:Area
 $r^2=0.999928$
 $Amt=-5.569791e-010*Resp^2+$
 $8.697137e-003*Resp+-63.4$

36M
1/30/09

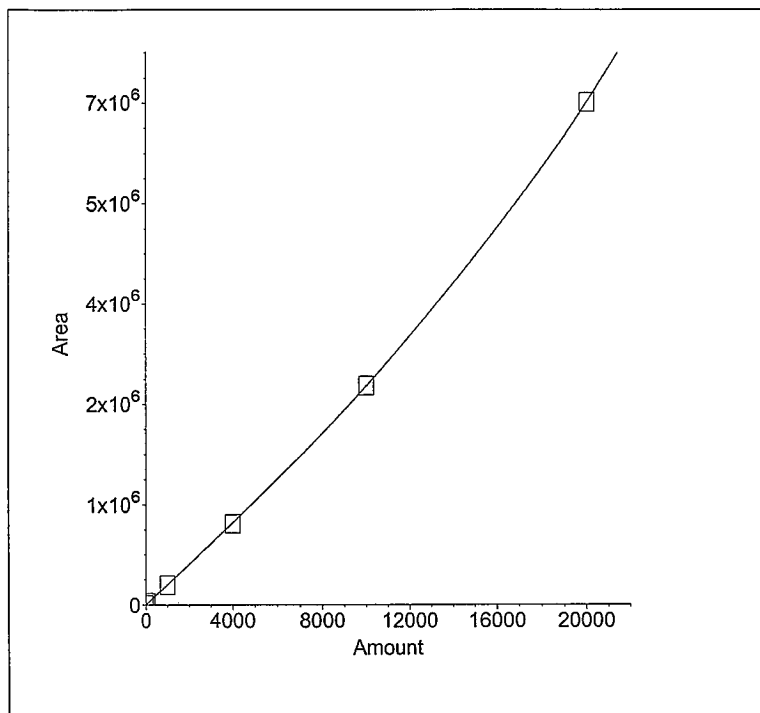


3. Component:Nitrite as N
 Standard:External Fit Type:Quadratic
 Origin:Ignore Calibration:Area
 $r^2=0.999990$
 $Amt=-1.660144e-010*Resp^2+$
 $4.155595e-003*Resp+16.25$

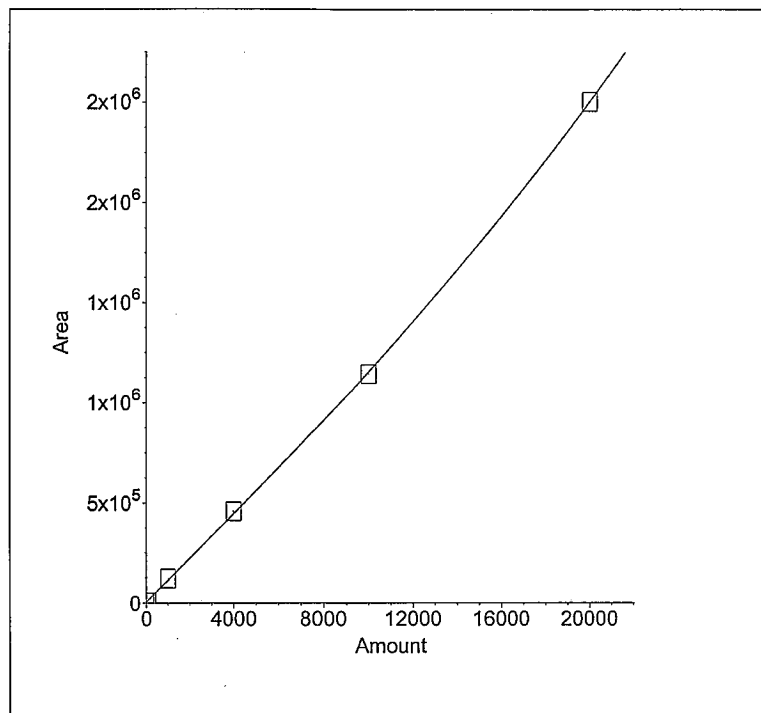
4. Component:Bromide
 Standard:External Fit Type:Quadratic
 Origin:Ignore Calibration:Area
 $r^2=0.999984$
 $Amt=-2.086136e-009*Resp^2+$
 $2.068631e-002*Resp+-67.37$



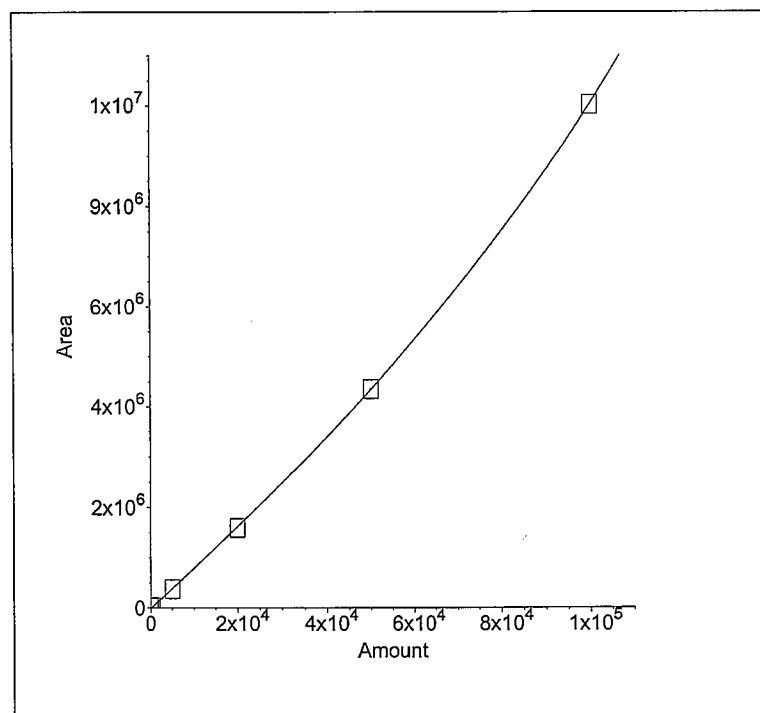
5. Component:Nitrate as N
 Standard:External Fit Type:Quadratic
 Origin:Ignore Calibration:Area
 $r^2=0.999990$
 $Amt=-9.456690e-011*Resp^2+$
 $3.379180e-003*Resp+9.484$



6. Component:Orthophosphate as P
 Standard:External Fit Type:Quadratic
 Origin:Ignore Calibration:Area
 $r^2=0.999870$
 $Amt=-5.147750e-010*Resp^2+$
 $9.305493e-003*Resp+-40.6$



7. Component:Sulfate
 Standard:External Fit Type:Quadratic
 Origin:Ignore Calibration:Area
 $r^2=0.999977$
 $Amt=-2.150647e-010*Resp^2+$
 $1.128395e-002*Resp+219.5$



8. Component:Nitrate/Nitrite as N
 Standard:External Fit Type:
 Origin:Ignore Calibration:Area

(No Levels Component)

Method Report - 090127.met

Method Information : Select Module(s)

System Name : DX120
System Number : 1
Method Type : Ion Chromatography
Column : AS14 4-MM
Analyst : SJL
Comment : Flow rate = 1.2 mL/min,
Eluent = 3.5mM Na₂CO₃ / 1.0 mM NaHCO₃

DX-120 Timed Events

Module Name :
Module Serial Number :
System Mode : Column
Column : A
Pump : On
SRS / Cell : On
Eluent Pressure : On
Pressure Unit : psi
TTL 1 Label : TTL 1
TTL 2 Label : TTL 2
Comment :

Time	Offset	Valve	TTL1	TTL2	AC	Collect
Init	*	Load	Low	Low	Off	
0.00		Load	Low	Low	Off	Begin
0.01		Inject	Low	Low	Off	
0.40		Load	Low	Low	Off	
11.80		Load	High	Low	Off	
11.90		Load	Low	Low	Off	

DX-120 Detector Parameters

Detector Type : DX-120
Data collection time (minutes) : 14.00
Data Collection Rate : 5.00
Real time plot scale maximum (μ S) : 40.000
Real time plot scale minimum (μ S) : -3.000

DX-120 Integration Parameters

Peak detection algorithm : Standard
Starting peak width (seconds) : 8.00
Peak threshold : 0.50
Peak area reject (area counts) : 800.00
Reference peak area reject (area counts) : 800.00

DX-120 Smoothing Parameters

Filter Type : No filter

DX-120 Report Data

Report Format File : C:\PeakNet\method\Default2.rpt
Print Sample Analysis : Yes
Print Calibration Update : Yes
Print Check Standard : No
System Suitability Tests :
No system suitability tests selected.

DX-120 Integration Data Events

Time	Description
0.00	Stop peak detection
0.05	Force baseline at start of all peaks
1.90	Start peak detection
2.20	Void volume treatment for this peak
3.00	Void volume treatment for this peak

DX-120 Calibration Parameters

External or internal calibration : EXTERNAL
Number of replicates for calibration : 1
Rejection : Manual
Level Weighting : Equal
Calibration standard volume : 1.00
Default sample volume : 1.00
Amount units : ug/L
Replace retention time : Yes
Update response : Yes
Default dilution factor : 1.00
Default response factor for unknown peaks : 0.00
Calculate unknowns by area or height : Area

DX-120 Component Identification Table

Component	Retention	Tolerance	Reference
Fluoride	3.00 min	5.00 %	
Chloride	4.29 min	5.00 %	
Nitrite as N	5.25 min	4.90 %	
Bromide	6.79 min	7.30 %	
Nitrate as N	8.00 min	10.00 %	
Orthophosphate as P	9.83 min	4.10 %	
Sulfate	11.67 min	4.10 %	
Nitrate/Nitrite as N	20.00 min	5.00 %	

DX-120 Component Quantitation Table

Component	Retention	Low Limit	High Limit
Fluoride	3.00 min	100	10000
Chloride	4.29 min	200	20000
Nitrite as N	5.25 min	100	10000
Bromide	6.79 min	200	20000
Nitrate as N	8.00 min	200	20000
Orthophosphate as P	9.83 min	300	20000
Sulfate	11.67 min	500	100000
Nitrate/Nitrite as N	20.00 min	0	0

DX-120 Component Calibration Table

Component	Retention Time	Curve Fit	Origin	Cal. by	Response Component	Relative Factor
Fluoride	3.00 min	Quadratic	Ignore	Area		0.00
Chloride	4.29 min	Quadratic	Ignore	Area		0.00
Nitrite as N	5.25 min	Quadratic	Ignore	Area		0.00
Bromide	6.79 min	Quadratic	Ignore	Area		0.00
Nitrate as N	8.00 min	Quadratic	Ignore	Area		0.00
Orthophosphate as P	9.83 min	Quadratic	Ignore	Area		0.00
Sulfate	11.67 min	Quadratic	Ignore	Area		0.00
Nitrate/Nitrite as N	20.00 min	~	Ignore	Area	Fluoride	0.00

DX-120 Component = Fluoride Levels Table

Retention Time : 3.00 min

Amount units : ug/L

Replicate unit type : Area

Number of levels : 6

Number of replicates : 1

Level	Amount	Replicate 1
1	50.00	6421
2	500.00	62549.2
3	2000.00	290294
4	5000.00	761439
5	10000.00	1.64113e+006
6	0.00	0

DX-120 Component = Chloride Levels Table

Retention Time : 4.29 min

Amount units : ug/L

Replicate unit type : Area

Number of levels : 6

Number of replicates : 1

Level	Amount	Replicate 1
1	100.00	23260
2	1000.00	120687
3	4000.00	467683
4	10000.00	1.26779e+006
5	20000.00	2.81215e+006
6	0.00	12350.5

DX-120 Component = Nitrite as N Levels Table

Retention Time : 5.25 min

Amount units : ug/L

Replicate unit type : Area

Number of levels : 6

Number of replicates : 1

Level	Amount	Replicate 1
1	50.00	8510
2	500.00	119462
3	2000.00	481661
4	5000.00	1.2658e+006
5	10000.00	2.69148e+006
6	0.00	0

DX-120 Component = Bromide Levels Table

Retention Time : 6.79 min

Amount units : ug/L

Replicate unit type : Area

Number of levels : 6

Number of replicates : 1

Level	Amount	Replicate 1
1	100.00	8026.4
2	1000.00	52617.6
3	4000.00	197723
4	10000.00	514956
5	20000.00	1.08954e+006
6	0.00	4138.6

DX-120 Component = Nitrate as N Levels Table

Retention Time : 8.00 min

Amount units : ug/L

Replicate unit type : Area

Number of levels : 6

Number of replicates : 1

Level	Amount	Replicate 1
1	100.00	30537
2	1000.00	292324
3	4000.00	1.20906e+006
4	10000.00	3.26166e+006
5	20000.00	7.48085e+006
6	0.00	3050.4

DX-120 Component = Orthophosphate as P Levels Table

Retention Time : 9.83 min

Amount units : ug/L

Replicate unit type : Area

Number of levels : 6

Number of replicates : 1

Level	Amount	Replicate 1
1	100.00	3714.2
2	1000.00	122360
3	4000.00	458033
4	10000.00	1.14204e+006
5	20000.00	2.50117e+006
6	0.00	1485.2

DX-120 Component = Sulfate Levels Table

Retention Time : 11.67 min

Amount units : ug/L

Replicate unit type : Area

Number of levels : 6

Number of replicates : 1

Level	Amount	Replicate 1
1	500.00	21345.2
2	5000.00	420376
3	20000.00	1.78876e+006
4	50000.00	4.88025e+006
5	100000.00	1.12549e+007
6	0.00	3349.8

DX-120 Component = Nitrate/Nitrite as N Levels Table

Retention Time : 20.00 min

Amount units : ug/L

Replicate unit type : Area

Number of levels : 0

Number of replicates : 1

DX-120 XY Data Parameters

Calibration Update Report

Sample Name : 5X STD

Data File Name : c:\peaknet\data\090127\090127_001.DXD

Method File Name : c:\peaknet\method\090127.met
Schedule File Name : c:\peaknet\schedule\090127.sch
Date Time Acquired : 1/27/09 11:14:43 AM
Calibration Date : 1/27/09 11:28:47 AM

System Operator : WETCHEM
Datafile Updated : 1/27/09 11:28:47 AM
Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak #	Analyte	Retention Time (min.)	Concentration (ug/L)	Peak Area
2	Fluoride	2.99	10000	1641133
3	Chloride	4.28	20000	2812152
4	Nitrite as N	5.20	10000	2691482
5	Bromide	6.65	20000	1089541
6	Nitrate as N	7.72	20000	7480847
7	Orthophosphate as P	9.75	20000	2501167
8	Sulfate	11.59	100000	11254865
	Nitrate/Nitrite as N			

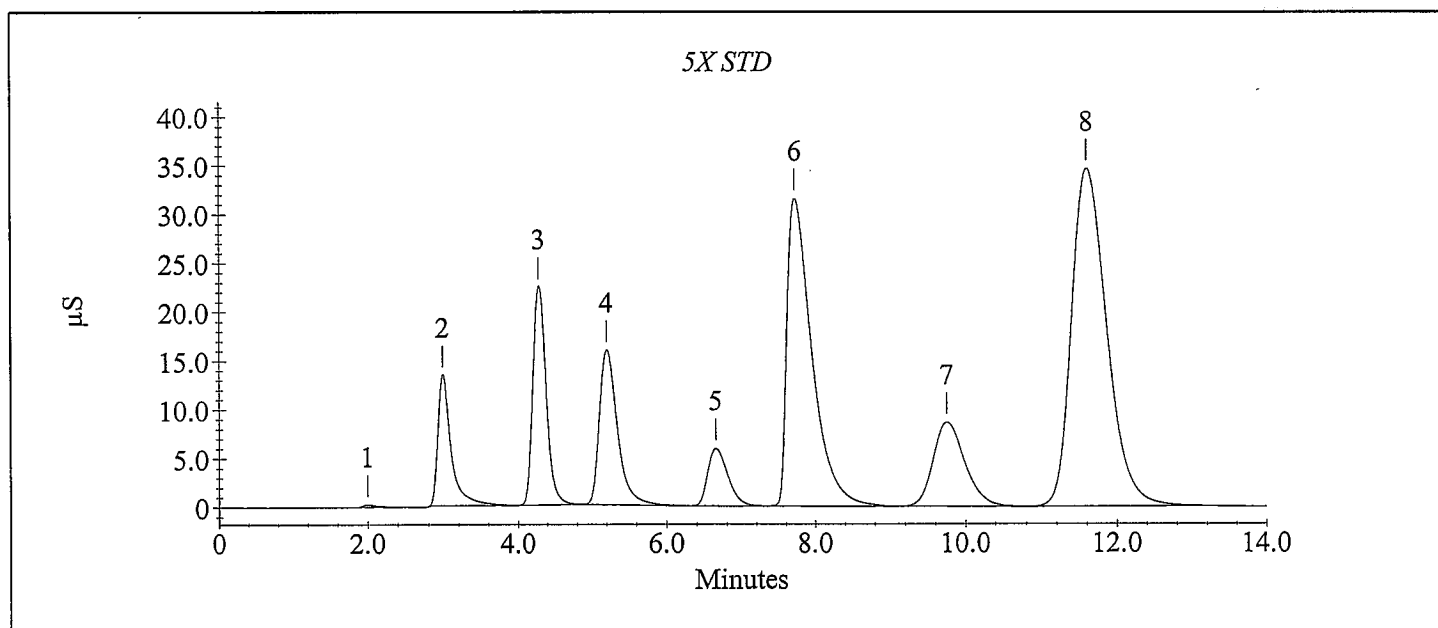
Calibration Update Report

Sample Name : 5X STD

Data File Name : c:\peaknet\data\090127\090127_001.DXD

Method File Name : c:\peaknet\method\090127.met
Schedule File Name : c:\peaknet\schedule\090127.sch
Date Time Acquired : 1/27/09 11:14:43 AM
Calibration Date : 1/27/09 11:28:47 AM

System Operator : WETCHEM
Datafile Updated : 1/27/09 11:28:47 AM
Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...



Calibration Update Report

Sample Name : 10X STD

Data File Name : c:\peaknet\data\090127\090127_002.DXD

Method File Name : c:\peaknet\method\090127.met
Schedule File Name : c:\peaknet\schedule\090127.sch
Date Time Acquired : 1/27/09 11:28:50 AM
Calibration Date : 1/27/09 11:42:51 AM

System Operator : WETCHEM
Datafile Updated : 1/27/09 11:42:51 AM
Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak #	Analyte	Retention Time (min.)	Concentration (ug/L)	Peak Area
2	Fluoride	3.00	5000	761439
3	Chloride	4.32	10000	1267788
4	Nitrite as N	5.28	5000	1265803
5	Bromide	6.79	10000	514956
6	Nitrate as N	7.93	10000	3261656
7	Orthophosphate as P	9.79	10000	1142042
8	Sulfate	11.63	50000	4880247
	Nitrate/Nitrite as N			

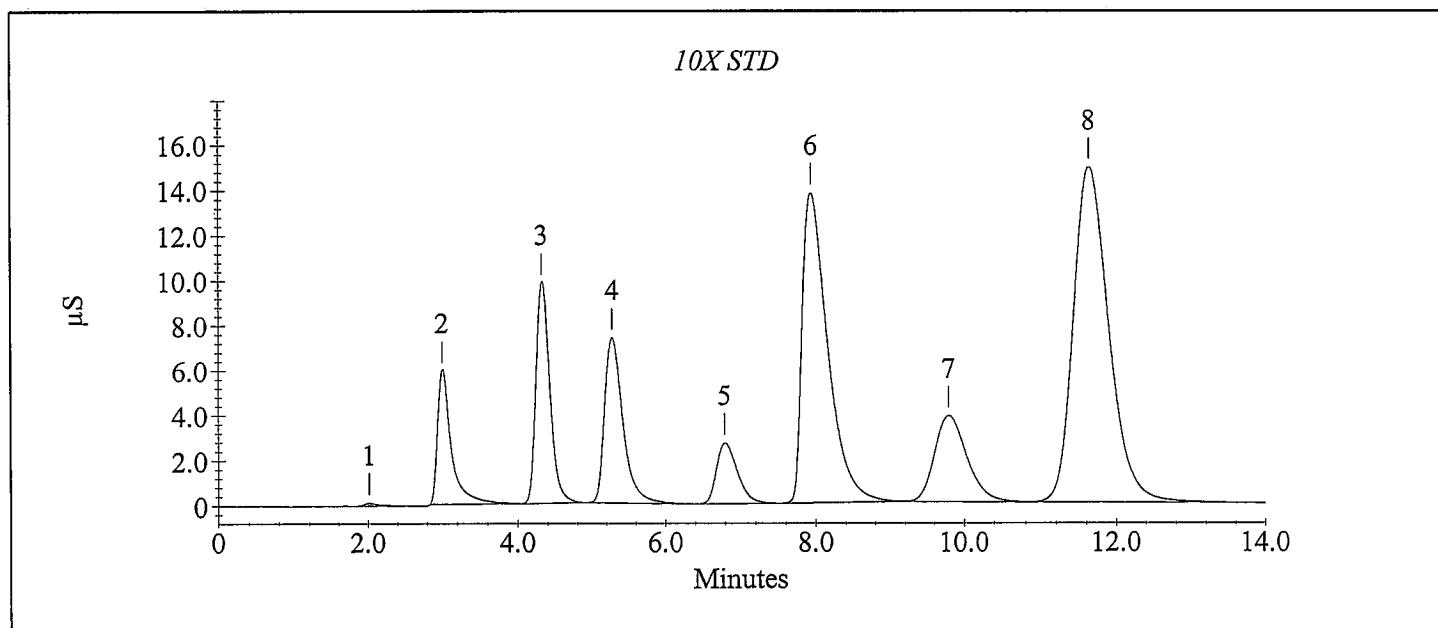
Calibration Update Report

Sample Name : 10X STD

Data File Name : c:\peaknet\data\090127\090127_002.DXD

Method File Name : c:\peaknet\method\090127.met
Schedule File Name : c:\peaknet\schedule\090127.sch
Date Time Acquired : 1/27/09 11:28:50 AM
Calibration Date : 1/27/09 11:42:51 AM

System Operator : WETCHEM
Datafile Updated : 1/27/09 11:42:51 AM
Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...



Calibration Update Report

Sample Name : 25X STD

Data File Name : c:\peaknet\data\090127\090127_003.DXD

Method File Name : c:\peaknet\method\090127.met
Schedule File Name : c:\peaknet\schedule\090127.sch
Date Time Acquired : 1/27/09 11:42:54 AM
Calibration Date : 1/27/09 11:56:55 AM

System Operator : WETCHEM
Datafile Updated : 1/27/09 11:56:55 AM
Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak #	Analyte	Retention Time (min.)	Concentration (ug/L)	Peak Area
2	Fluoride	3.00	2000	290294
3	Chloride	4.29	4000	467683
4	Nitrite as N	5.25	2000	481661
6	Bromide	6.79	4000	197723
7	Nitrate as N	8.00	4000	1209062
8	Orthophosphate as P	9.83	4000	458033
9	Sulfate	11.67	20000	1788755
	Nitrate/Nitrite as N			

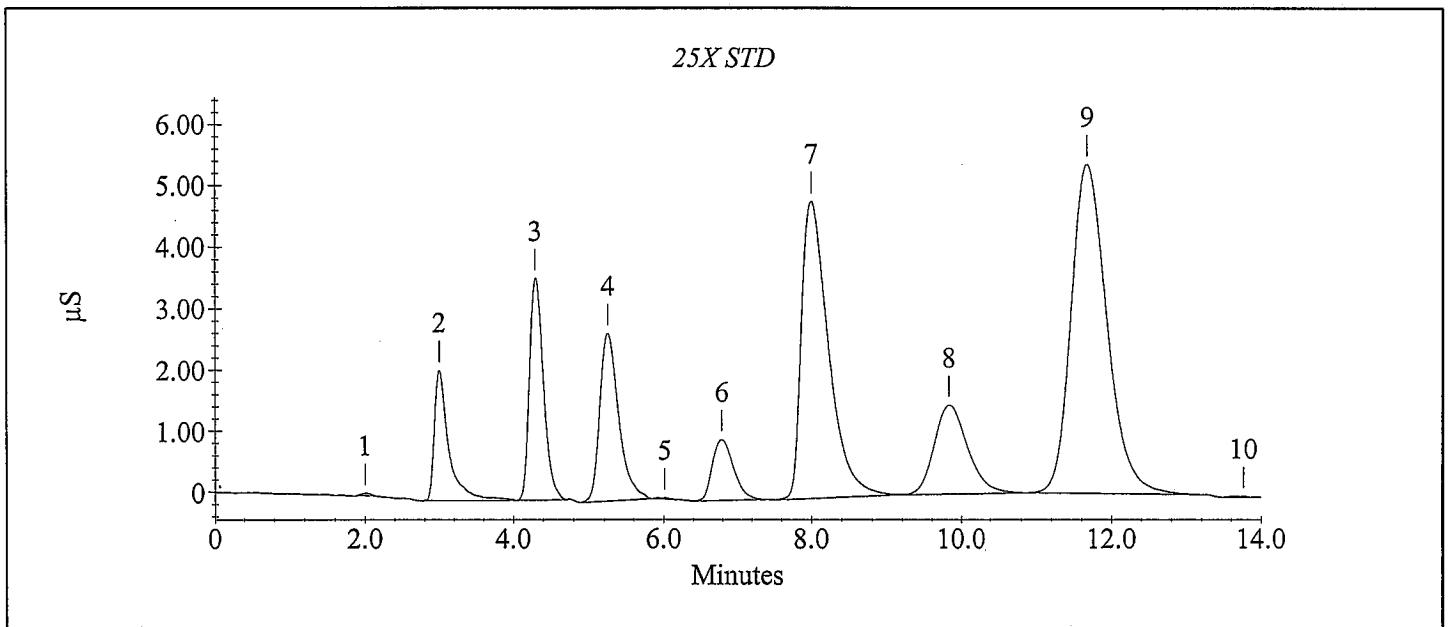
Calibration Update Report

Sample Name : 25X STD

Data File Name : c:\peaknet\data\090127\090127_003.DXD

Method File Name : c:\peaknet\method\090127.met
Schedule File Name : c:\peaknet\schedule\090127.sch
Date Time Acquired : 1/27/09 11:42:54 AM
Calibration Date : 1/27/09 11:56:55 AM

System Operator : WETCHEM
Datafile Updated : 1/27/09 11:56:55 AM
Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...



Calibration Update Report

Sample Name : 100X STD

Data File Name : c:\peaknet\data\090127\090127_004.DXD

Method File Name : c:\peaknet\method\090127.met
Schedule File Name : c:\peaknet\schedule\090127.sch
Date Time Acquired : 1/27/09 11:56:57 AM
Calibration Date : 1/27/09 12:10:59 PM

System Operator : WETCHEM
Datafile Updated : 1/27/09 12:10:59 PM
Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak #	Analyte	Retention Time (min.)	Concentration (ug/L)	Peak Area
2	Fluoride	3.00	500	62549
3	Chloride	4.29	1000	120687
4	Nitrite as N	5.24	500	119462
5	Bromide	6.75	1000	52618
6	Nitrate as N	7.99	1000	292324
7	Orthophosphate as P	9.83	1000	122360
8	Sulfate	11.67	5000	420376
	Nitrate/Nitrite as N			

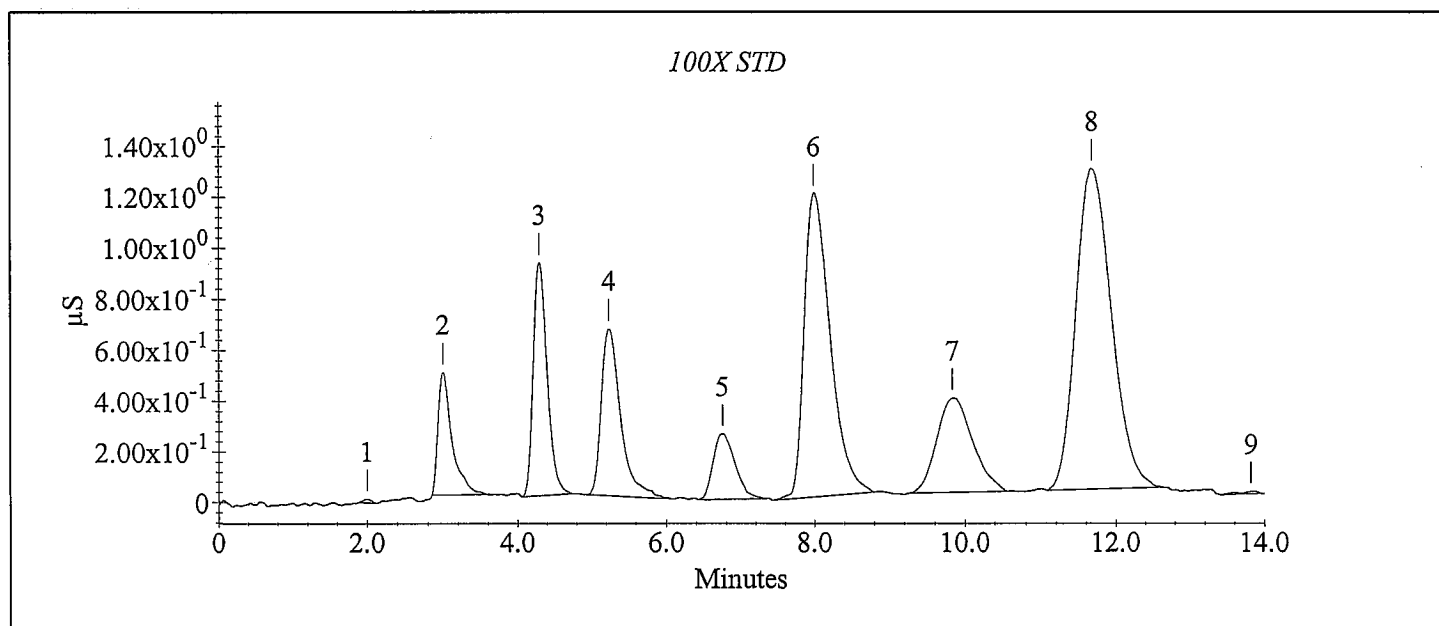
Calibration Update Report

Sample Name : 100X STD

Data File Name : c:\peaknet\data\090127\090127_004.DXD

Method File Name : c:\peaknet\method\090127.met
Schedule File Name : c:\peaknet\schedule\090127.sch
Date Time Acquired : 1/27/09 11:56:57 AM
Calibration Date : 1/27/09 12:10:59 PM

System Operator : WETCHEM
Datafile Updated : 1/27/09 12:10:59 PM
Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...



Calibration Update Report

Sample Name : 1000X STD

Data File Name : c:\peaknet\data\090127\090127_005.DXD

Method File Name : c:\peaknet\method\090127.met
Schedule File Name : c:\peaknet\schedule\090127.sch
Date Time Acquired : 1/27/09 12:11:02 PM
Calibration Date : 1/27/09 12:25:03 PM

System Operator : WETCHEM
Datafile Updated : 1/27/09 12:25:03 PM
Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components				
Peak #	Analyte	Retention Time (min.)	Concentration (ug/L)	Peak Area
1	Fluoride	3.00	50	6421
2	Chloride	4.28	100	23260
3	Nitrite as N	5.21	50	8510
4	Bromide	6.79	100	8026
5	Nitrate as N	7.97	100	30537
7	Orthophosphate as P	9.72	100	3714
9	Sulfate	11.72	500	21345
	Nitrate/Nitrite as N			

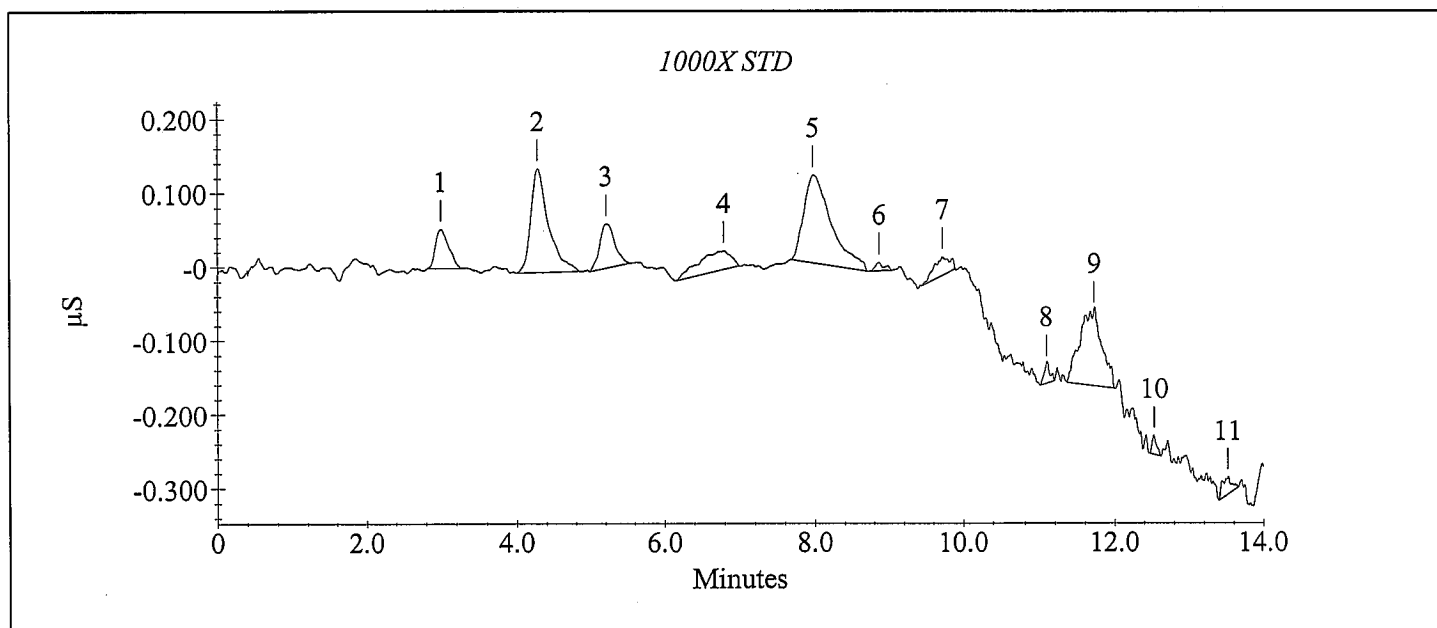
Calibration Update Report

Sample Name : 1000X STD

Data File Name : c:\peaknet\data\090127\090127_005.DXD

Method File Name : c:\peaknet\method\090127.met
Schedule File Name : c:\peaknet\schedule\090127.sch
Date Time Acquired : 1/27/09 12:11:02 PM
Calibration Date : 1/27/09 12:25:03 PM

System Operator : WETCHEM
Datafile Updated : 1/27/09 12:25:03 PM
Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...



Calibration Update Report

Sample Name : 0 STD

Data File Name : c:\peaknet\data\090127\090127_006.DXD

Method File Name : c:\peaknet\method\090127.met
Schedule File Name : c:\peaknet\schedule\090127.sch
Date Time Acquired : 1/27/09 12:25:06 PM
Calibration Date : 1/27/09 12:39:07 PM

System Operator : WETCHEM
Datafile Updated : 1/27/09 12:39:07 PM
Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components				
Peak #	Analyte	Retention Time (min.)	Concentration (ug/L)	Peak Area
1		2.43	0	
5	Chloride	4.37	0	12350
	Nitrite as N			
8	Bromide	6.95	0	4139
10	Nitrate as N	8.64	0	3050
11	Orthophosphate as P	9.84	0	1485
12	Sulfate	11.80	0	3350
	Nitrate/Nitrite as N			

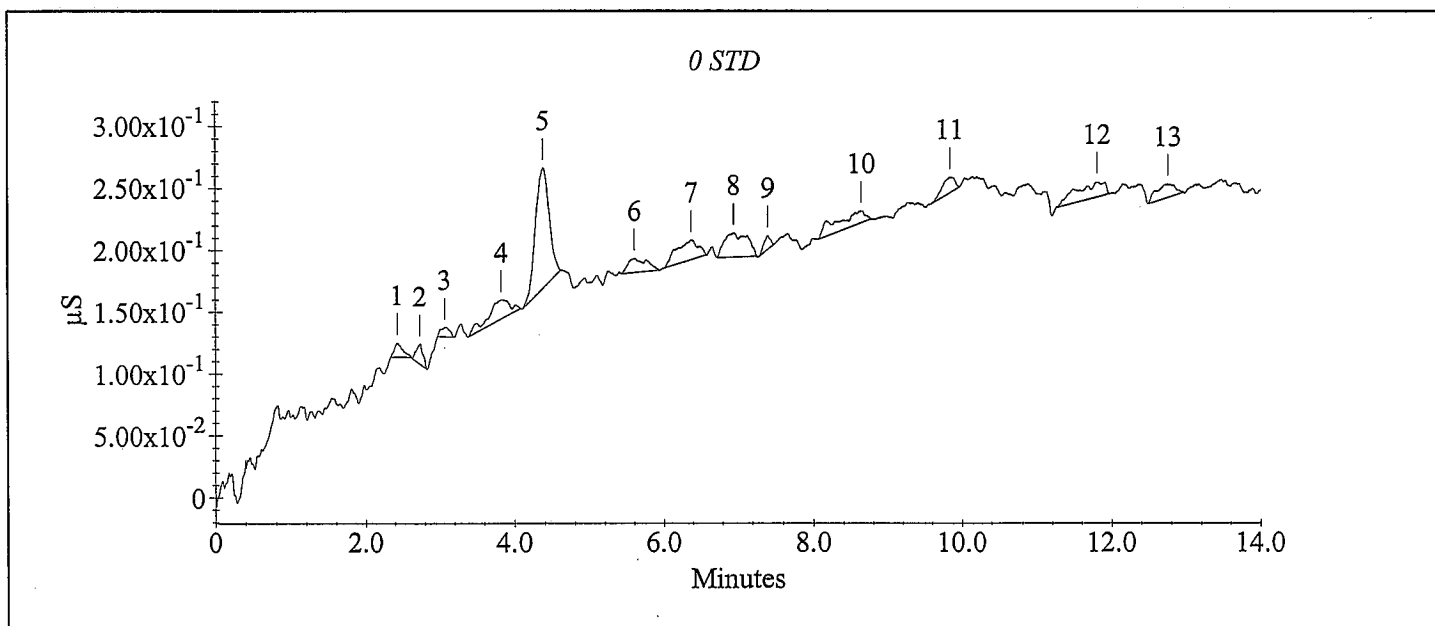
Calibration Update Report

Sample Name : 0 STD

Data File Name : c:\peaknet\data\090127\090127_006.DXD

Method File Name : c:\peaknet\method\090127.met
Schedule File Name : c:\peaknet\schedule\090127.sch
Date Time Acquired : 1/27/09 12:25:06 PM
Calibration Date : 1/27/09 12:39:07 PM

System Operator : WETCHEM
Datafile Updated : 1/27/09 12:39:07 PM
Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...



DAILY VERIFICATION FOR ION CHROMATOGRAPH (Used internally for comparative check purposes)

Analysis Date: 01/27/09
Analyst Name: EAL
Filename for CV: 090127/090127_007.DXD
Calibration Date: 01/27/09
Method ID: 090127.met
Updated Method date: NA

Calibration Equation Verification

Analyte	calibration type:	1st regression coefficient	2nd regression coefficient	intercept	A conc reported by PeakNet ug/L	observed peak area	conc calc by spread- sheet ug/L	A/B *100 agreement %
Cl	quad. incl. 0,0	-5.569791E-10	8.697197E-03	-63.400	4942.5	5985.19	4942.5	100.0

Retention Time (RT) Verification

Analyte	RT at calibration	RT in updated method (1st ICV or CCV)	deviation % (calibration vs. update) 10% tolerance	window width tolerance (NA)
F	3.00	2.99	0.3	5.00 %
Cl	4.29	4.27	0.5	5.00 %
NO2-N	5.25	5.20	1.0	4.90 %
Br	6.79	6.67	1.8	7.30 %
NO3-N	8.00	7.83	2.1	10.00 %
PO4-P	9.83	9.81	0.2	4.10 %
SO4	11.67	11.67	0.0	4.10 %

Sample Analysis Report

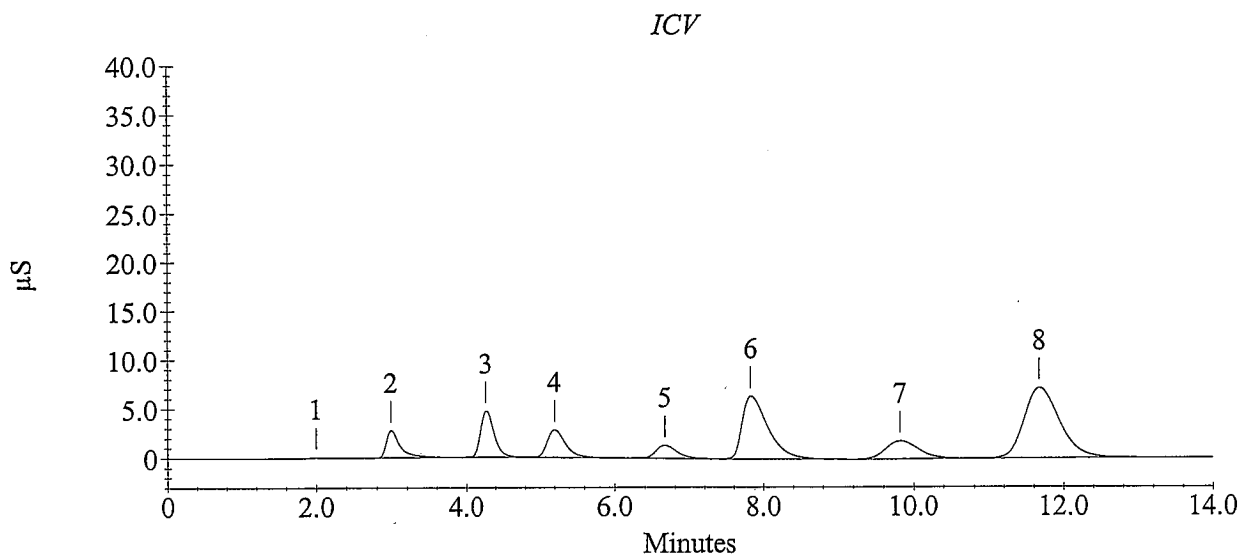
Sample Name : ICV

Data File Name : c:\peaknet\data\090127\090127_007.DXD

Method File Name : C:\PEAKNET\METHOD\090127.met Current Date : 1/27/09
Date, Time Analyzed : 1/27/09 12:39:09 PM Current Time : 12:53:29 PM
System Operator : WETCHEM Datafile Updated : 1/27/09 12:53:12 PM
Calibration Updated : 1/27/09 12:48:07 PM Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
2	Fluoride	2.99	2388.2		349153
3	Chloride	4.27	4942.5		598519
4	Nitrite as N	5.20	1969.2		479119
5	Bromide	6.67	5222.0		262650
6	Nitrate as N	7.83	5006.3		1545572
7	Orthophosphate as P	9.81	5029.7		562371
8	Sulfate	11.67	25743.8		2368959
	Nitrate/Nitrite as N				



Sample Analysis Report

Sample Name : ICB

Data File Name : c:\peaknet\data\090127\090127_008.DXD

Method File Name : c:\peaknet\method\090127.met

Date, Time Analyzed : 1/27/09 12:53:13 PM

System Operator : WETCHEM

Calibration Updated : 1/27/09 12:48:07 PM

Current Date : 1/27/09

Current Time : 1:07:15 PM

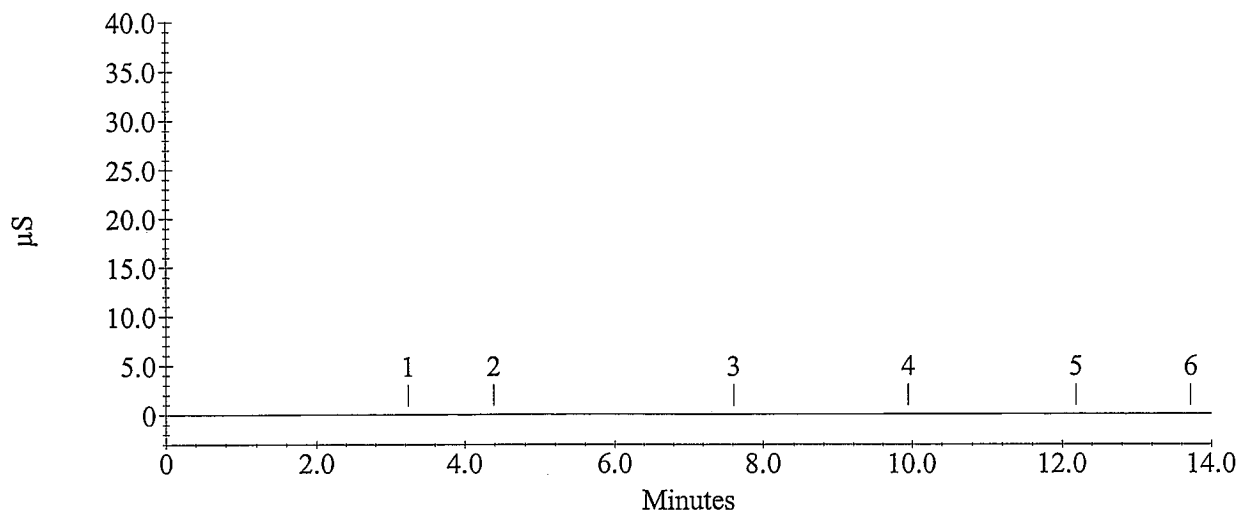
Datafile Updated : 1/27/09 1:07:15 PM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
1		3.24	0.0		2127
2	Chloride	4.39	-3.5	-	6890
	Nitrite as N				
	Bromide				
3	Nitrate as N	7.61	13.6	-	1229
4	Orthophosphate as P	9.95	100.1	-	15128
	Sulfate				
	Nitrate/Nitrite as N				

ICB



CONDUCTIVITY SCREENING WORKSHEET

Instrument ID: VWR Digital Conductivity Meter S/N A22036

Workorder ID / Sample No.	Estimated μ S	Dilution(s)	Anion(s)	Date	Initials	Comments
0902073	1 3000	50	SO ₄	2/11/09	C	
	2 700	10				
	3 2500	50				
	4 2200	50				
	5 700	10				
	6 700	10				
	7 4000	50				
	8 6000	100				
	9 900	10				
	10 3000	50				
	11 700	10				
	12 0	1x				
	13 2000	20				
	14 1500	20				
	15 1500	20				
0902100	2 600	1 10	Cl, NO ₃ , SO ₄	2/12/09	JB/M	
	4 6000	10 200				
0902111	1 2100 2100	1	All	2/13/09	JB/M	30,000
0902162	1 6300	100	SO ₄	2/23/09	JB/M	
	2 9500	200				
	3 6500	100				
	4 ↓	↓				
	5 8200	200				
0902164	1 9500	200	Cl, SO ₄			
	2 8000					
	3 11000					
	4 14000					
	5 12000					
	6 11500					
	7 10000					
	8 9000					
	9 16000					
	10 12000					
	11 13000					
	12 12000					
	13 17000					
	14 8000	↓				
	15 65000	2000				49,000
	16 10000	200				
	17 19000	500				

Reviewed by / Date C 2/23/09

Form 1116r4.frm (6/29/04)

Line	Sample	Sample Type	Method	Data File	Comment
1	5X STD	Calibration	090127.met	c:\peaknet\data\090127\090127_001.dxd	
2	10X STD	Calibration	090127.met	c:\peaknet\data\090127\090127_002.dxd	
3	25X STD	Calibration	090127.met	c:\peaknet\data\090127\090127_003.dxd	
4	100X STD	Calibration	090127.met	c:\peaknet\data\090127\090127_004.dxd	
5	1000X STD	Calibration	090127.met	c:\peaknet\data\090127\090127_005.dxd	
6	0 STD	Calibration	090127.met	c:\peaknet\data\090127\090127_006.dxd	
7	ICV	Sample	090127a.met	c:\peaknet\data\090127\090127_007.dxd	ICV
8	ICB	Sample	090127a.met	c:\peaknet\data\090127\090127_008.dxd	ICB
9	CCV	Sample	090127a.met	c:\peaknet\data\090213\090213_009.dxd	CCV
10	CCB	Sample	090127a.met	c:\peaknet\data\090213\090213_010.dxd	CCB
11	IC090213-1MB	Sample	090127a.met	c:\peaknet\data\090213\090213_011.dxd	WATER
12	IC090213-1LCS	Sample	090127a.met	c:\peaknet\data\090213\090213_012.dxd	WATER
13	0902111-1	Sample	090127a.met	c:\peaknet\data\090213\090213_013.dxd	F,CL,NO2,BR,NO3,PO4,SO4-300.0
14	0902111-1MS	Sample	090127a.met	c:\peaknet\data\090213\090213_014.dxd	F,CL,NO2,BR,NO3,PO4,SO4-300.0
15	0902111-1MSD	Sample	090127a.met	c:\peaknet\data\090213\090213_015.dxd	F,CL,NO2,BR,NO3,PO4,SO4-300.0
16	BLANK	Sample	090127a.met	c:\peaknet\data\090213\090213_016.dxd	BLANK
17	BLANK	Sample	090127a.met	c:\peaknet\data\090213\090213_017.dxd	BLANK
18	0902111-1 50X	Sample	090127a.met	c:\peaknet\data\090213\090213_018.dxd	F,CL,NO2,BR,NO3,PO4,SO4-300.0
19	0902111-1MS 50X	Sample	090127a.met	c:\peaknet\data\090213\090213_019.dxd	F,CL,NO2,BR,NO3,PO4,SO4-300.0
20	0902111-1MSD 50X	Sample	090127a.met	c:\peaknet\data\090213\090213_020.dxd	F,CL,NO2,BR,NO3,PO4,SO4-300.0
21	CCV	Sample	090127a.met	c:\peaknet\data\090213\090213_021.dxd	CCV
22	CCB	Sample	090127a.met	c:\peaknet\data\090213\090213_022.dxd	CCB - PO ₄ 0.56mg/L *
23	0902111-1 1000X	Sample	090127a.met	c:\peaknet\data\090213\090213_023.dxd	F,CL,NO2,BR,NO3,PO4,SO4-300.0
24	CCV	Sample	090127a.met	c:\peaknet\data\090213\090213_024.dxd	CCV
25	CCB	Sample	090127a.met	c:\peaknet\data\090213\090213_025.dxd	CCB - PO ₄ 0.56mg/L *
26	STOP.MET	Sample	stop.met		

Default Method Path: C:\PEAKNET\METHOD

Default Data Path: C:\PEAKNET\DATA\081104

Comment:

BatchDx created schedule.

Analyst: *JBm 2/16/09*

Instrument #1: DIONEX DX-120. ID Serial Number: 99060762

Analytical Column: Dionex IonPac AS14 S/N 022150

Methods: EPA 300.0 and SW9056. ALS Paragon SOP 1113

Eluent: Made daily, 10mL of Eluent Concentrate ID: RG080610-2 to 1000mL of DI water.

	Final	ID	Aliq
cal std level 1 (1000x)	10.00	ST080722-8, ST090106-5	0.01
cal std level 2 (100x)	5.00	"	0.05
cal std level 3 (25x)	5.00	"	0.20
cal std level 4 (10x)	5.00	"	0.50
cal std level 5 (5x)	5.00	"	1.00
CCV	5.00	ST080722-8, ST090210-5	0.50
ICV	5.00	ST081229-11	0.25
		ST090106-4	0.05
LCS(aq)	5.00	ST081229-11	0.25
		ST090210-4	0.05
MS/MSD (waters)	5.00	ST080219-9	0.05
		ST090210-3	0.05

Dilutions Table: All to 5mL Final Volume

10X	0.5mL
20X	0.25mL
25X	0.2mL
50X	0.1mL
100X	0.05mL
200X	0.025mL
500X	0.01mL

*Rev 2-21/09*** Sample Not Detect*

DAILY VERIFICATION FOR ION CHROMATOGRAPH (Used internally for comparative check purposes)

Analysis Date: 02/13/09

Analyst Name: JBM

Filename for CV: 090213/090213_009.DXD

Calibration Date: 01/27/09

Method ID: 090127A.mel

Updated Method date: 02/04/09

Handwritten signature: JBM, 02/17/09

Calibration Equation Verification

Analyte	calibration type:	1st regression coefficient	2nd regression coefficient	intercept	conc reported by PeakNet ug/L	observed peak area	conc calc by spread-sheet ug/L	A/B *100 agreement %
Cl	quad. incl. 0,0	-5.56979E-10	8.697137E-03	-63.400	9938.2	1250064	9938.2	100.0

Retention Time (RT) Verification

Analyte	RT at calibration	RT in updated method (1st ICV or CCV)	deviation % (calibration vs. update) 10% tolerance	window width tolerance (NA)
F	3.00	2.91	3.0	5.00 %
Cl	4.29	4.17	2.8	5.00 %
NO2-N	5.25	5.07	3.4	4.90 %
Br	6.79	6.48	4.6	7.30 %
NO3-N	8.00	7.44	7.0	10.00 %
PO4-P	9.83	9.44	4.0	4.10 %
SO4	11.67	11.19	4.1	4.10 %

Sample Analysis Report

Sample Name : CCV

Data File Name : c:\peaknet\data\090213\090213_009.DXD

Method File Name : c:\peaknet\method\090127a.met

Current Date : 2/13/09

Date, Time Analyzed : 2/13/09 1:27:53 PM

Current Time : 1:42:00 PM

System Operator : WETCHEM

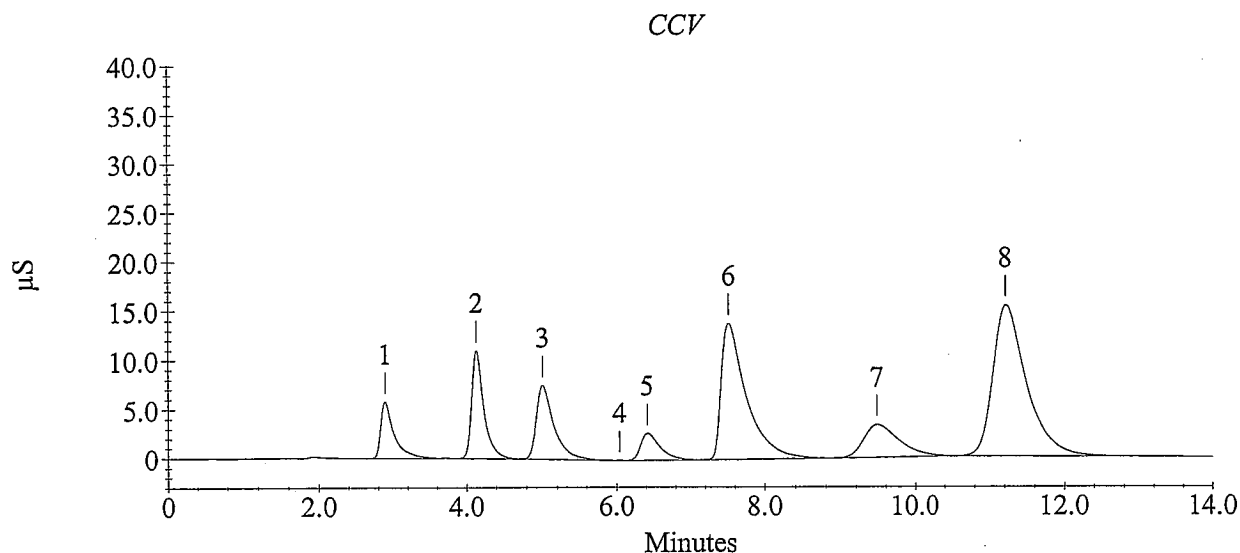
Datafile Updated : 2/13/09 1:41:59 PM

Calibration Updated : 2/4/09 2:18:33 PM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
1	Fluoride	2.89	4807.8		729498
2	Chloride	4.13	9938.2		1250064
3	Nitrite as N	5.01	4827.6		1216956
5	Bromide	6.41	9853.1		505320
6	Nitrate as N	7.52	10015.0		3257976
7	Orthophosphate as P	9.48	9633.5		1107458
8	Sulfate	11.21	49452.9		4802767
	Nitrate/Nitrite as N				



Sample Analysis Report

Sample Name : CCB

Data File Name : c:\peaknet\data\090213\090213_010.DXD

Method File Name : c:\peaknet\method\090127a.met

Current Date : 2/13/09

Date, Time Analyzed : 2/13/09 1:42:01 PM

Current Time : 1:56:03 PM

System Operator : WETCHEM

Datafile Updated : 2/13/09 1:56:03 PM

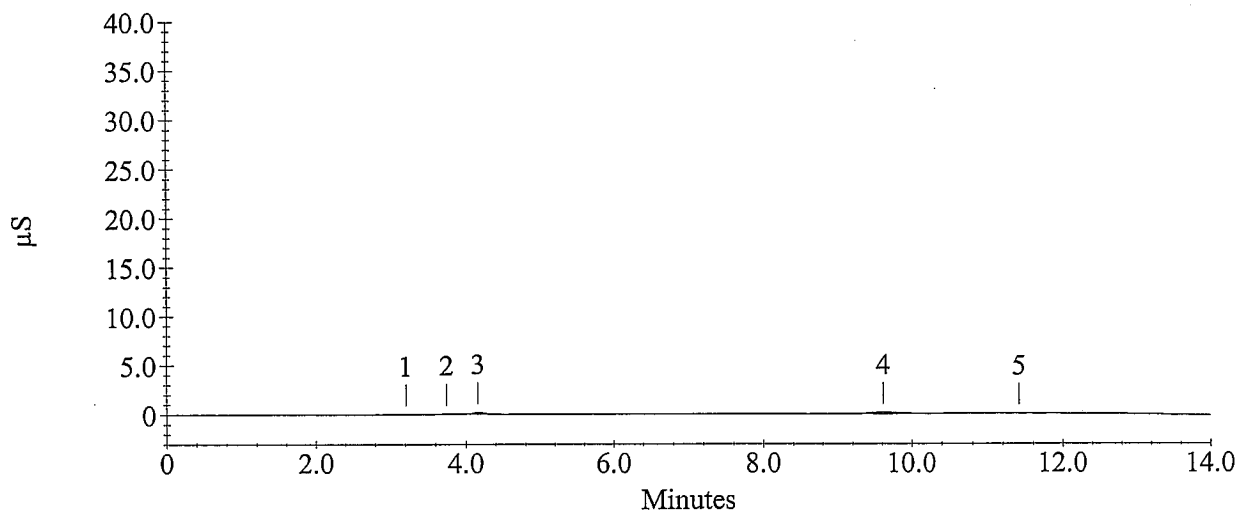
Calibration Updated : 2/4/09 2:18:33 PM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
1		3.21	0.0		1527
3	Chloride	4.16	109.8	-	19941
	Nitrite as N				
	Bromide				
	Nitrate as N				
4	Orthophosphate as P	9.61	487.8		56962
5	Sulfate	11.41	257.4	-	3364
	Nitrate/Nitrite as N				

CCB



Sample Analysis Report

Sample Name : IC090213-1MB

Data File Name : c:\peaknet\data\090213\090213_011.DXD

Method File Name : c:\peaknet\method\090127a.met

Date, Time Analyzed : 2/13/09 1:56:04 PM

System Operator : WETCHEM

Calibration Updated : 2/4/09 2:18:33 PM

Current Date : 2/13/09

Current Time : 2:10:06 PM

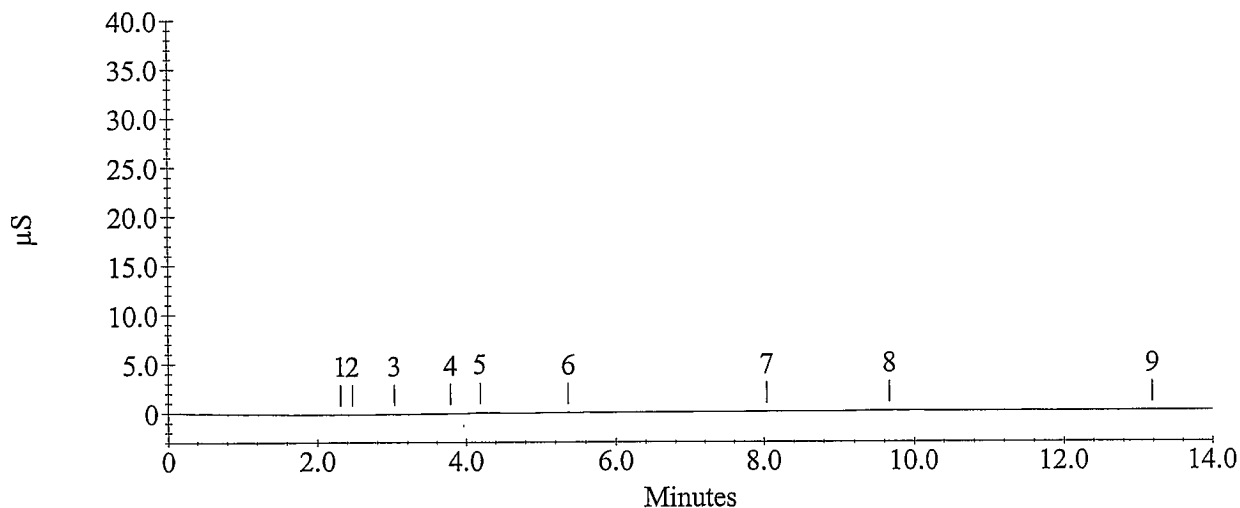
Datafile Updated : 2/13/09 2:10:06 PM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
1		2.31	0.0		1741
5	Chloride	4.19	0.6	-	7366
	Nitrite as N				
	Bromide				
7	Nitrate as N	8.04	32.7	-	6873
8	Orthophosphate as P	9.67	112.6	-	16477
	Sulfate				
	Nitrate/Nitrite as N				

IC090213-1MB



Sample Analysis Report

Sample Name : IC090213-1LCS

Data File Name : c:\peaknet\data\090213\090213_012.DXD

Method File Name : c:\peaknet\method\090127a.met

Date, Time Analyzed : 2/13/09 2:10:08 PM

System Operator : WETCHEM

Calibration Updated : 2/4/09 2:18:33 PM

Current Date : 2/13/09

Current Time : 2:24:10 PM

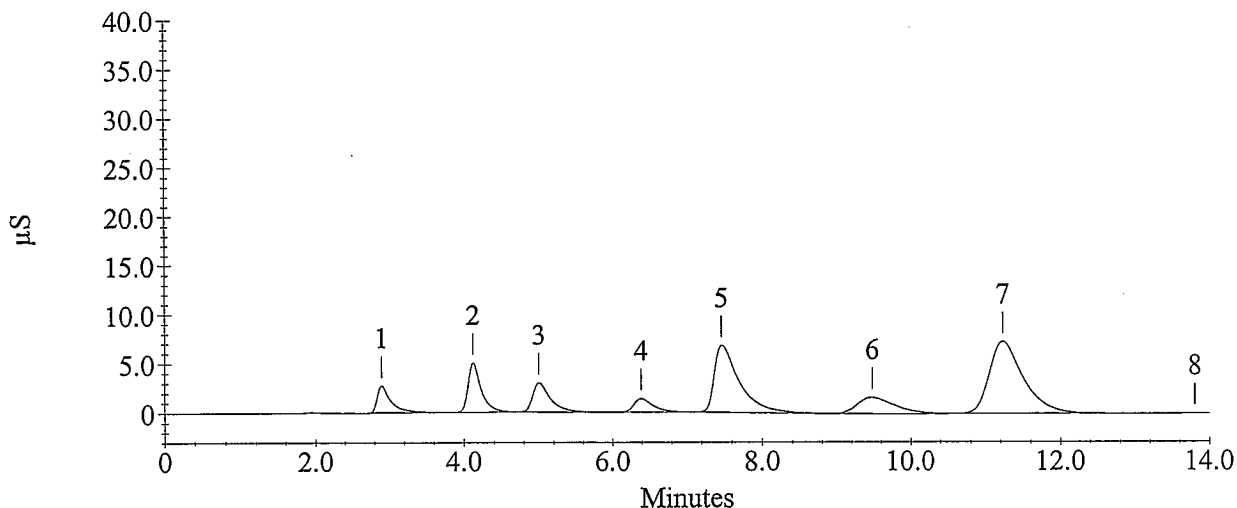
Datafile Updated : 2/13/09 2:24:09 PM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
1	Fluoride	2.89	2363.1		345315
2	Chloride	4.12	4900.1		593248
3	Nitrite as N	5.00	1983.6		482727
4	Bromide	6.39	4853.9		243897
5	Nitrate as N	7.47	4980.0		1537036
6	Orthophosphate as P	9.48	5101.3		570581
7	Sulfate	11.23	24772.7		2274543
	Nitrate/Nitrite as N				

IC090213-1LCS



Sample Analysis Report

Sample Name : 0902111-1 50X

Data File Name : c:\peaknet\data\090213\090213_018.DXD

Method File Name : c:\peaknet\method\090127a.met

Current Date : 2/13/09

Date, Time Analyzed : 2/13/09 3:34:36 PM

Current Time : 3:48:37 PM

System Operator : WETCHEM

Datafile Updated : 2/13/09 3:48:37 PM

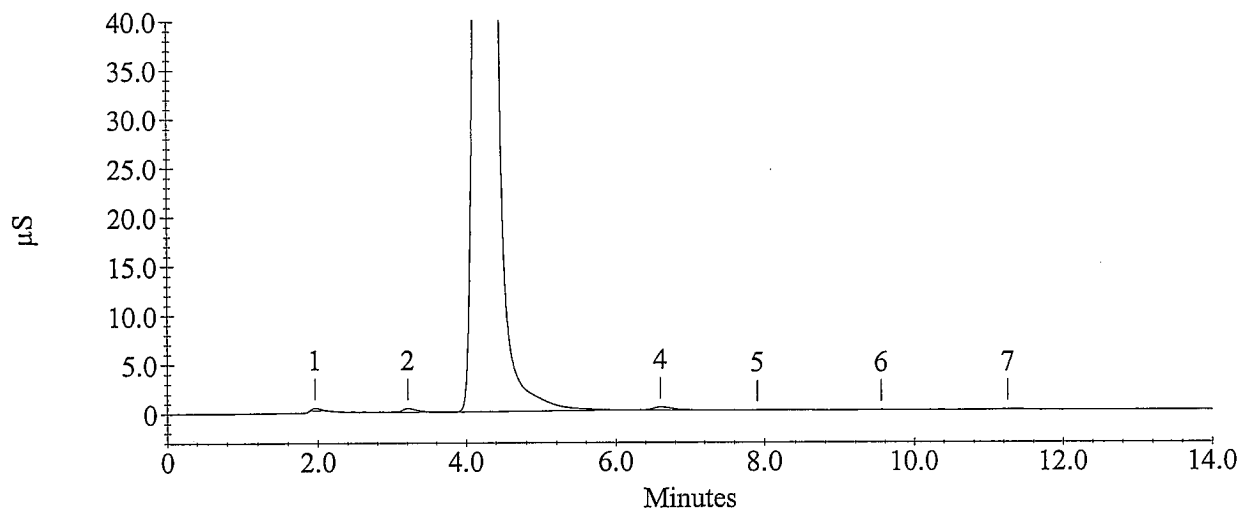
Calibration Updated : 2/4/09 2:18:33 PM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
1		1.96	0.0		17766
3	Chloride	4.33	-399093.3	-	35688841
4	Nitrite as N				
4	Bromide	6.60	1157.2		59555
	Nitrate as N				
6	Orthophosphate as P	9.55	-5.1	-	3819
7	Sulfate	11.25	508.4		25618
	Nitrate/Nitrite as N				

0902111-1 50X



Sample Analysis Report

Sample Name : 0902111-1MS 50X

Data File Name : c:\peaknet\data\090213\090213_019.DXD

Method File Name : c:\peaknet\method\090127a.met

Current Date : 2/13/09

Date, Time Analyzed : 2/13/09 3:48:39 PM

Current Time : 4:02:41 PM

System Operator : WETCHEM

Datafile Updated : 2/13/09 4:02:40 PM

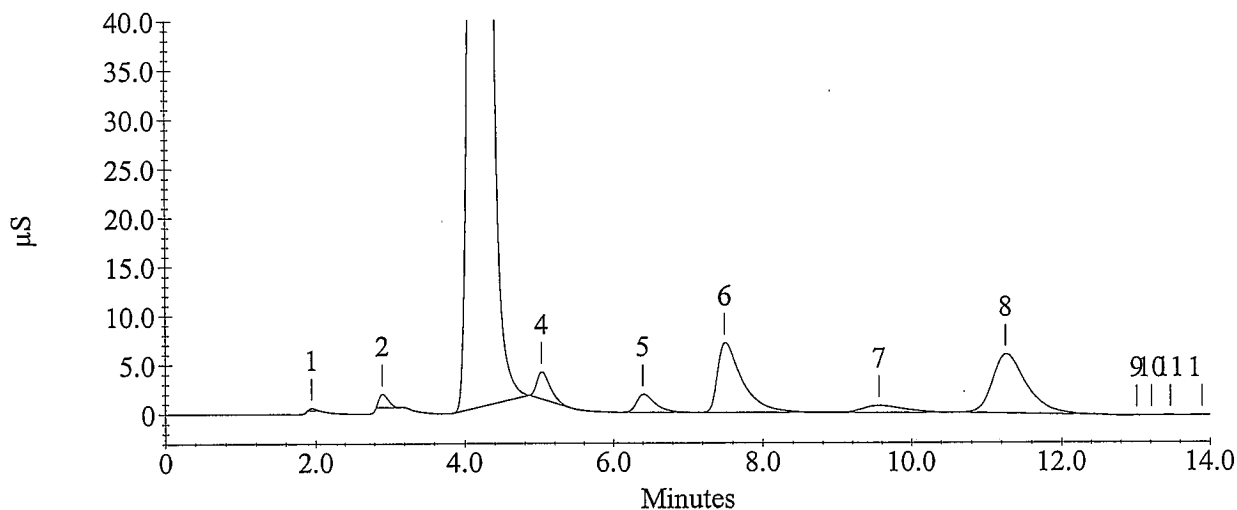
Calibration Updated : 2/4/09 2:18:33 PM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
2	Fluoride	2.91	818.8		114192
3	Chloride	4.29	-434212.6	-	36797536
4	Nitrite as N	5.03	1428.1		344490
5	Bromide	6.40	6353.4		320762
6	Nitrate as N	7.49	5133.6		1586850
7	Orthophosphate as P	9.56	2469.6		273902
8	Sulfate	11.25	20610.8		1874046
	Nitrate/Nitrite as N				

0902111-1MS 50X



Sample Analysis Report

Sample Name : 0902111-1MSD 50X

Data File Name : c:\peaknet\data\090213\090213_020.DXD

Method File Name : c:\peaknet\method\090127a.met

Date, Time Analyzed : 2/13/09 4:02:42 PM

System Operator : WETCHEM

Calibration Updated : 2/4/09 2:18:33 PM

Current Date : 2/13/09

Current Time : 4:16:44 PM

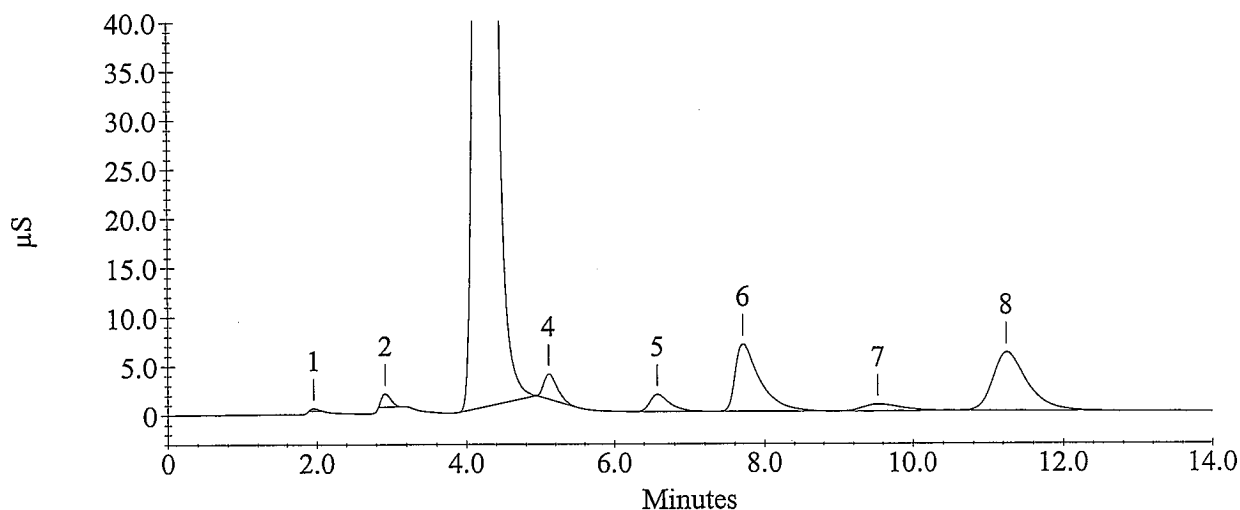
Datafile Updated : 2/13/09 4:16:44 PM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
2	Fluoride	2.92	826.4		115304
3	Chloride	4.33	-421562.3	-	36403130
4	Nitrite as N	5.11	1357.7		327080
5	Bromide	6.57	6341.0		320123
6	Nitrate as N	7.71	5113.9		1580459
7	Orthophosphate as P	9.53	2310.5		256291
8	Sulfate	11.24	20800.3		1892142
	Nitrate/Nitrite as N				

0902111-1MSD 50X



Sample Analysis Report

Sample Name : CCV

Data File Name : c:\peaknet\data\090213\090213_021.DXD

Method File Name : c:\peaknet\method\090127a.met

Date, Time Analyzed : 2/13/09 4:16:46 PM

System Operator : WETCHEM

Calibration Updated : 2/4/09 2:18:33 PM

Current Date : 2/13/09

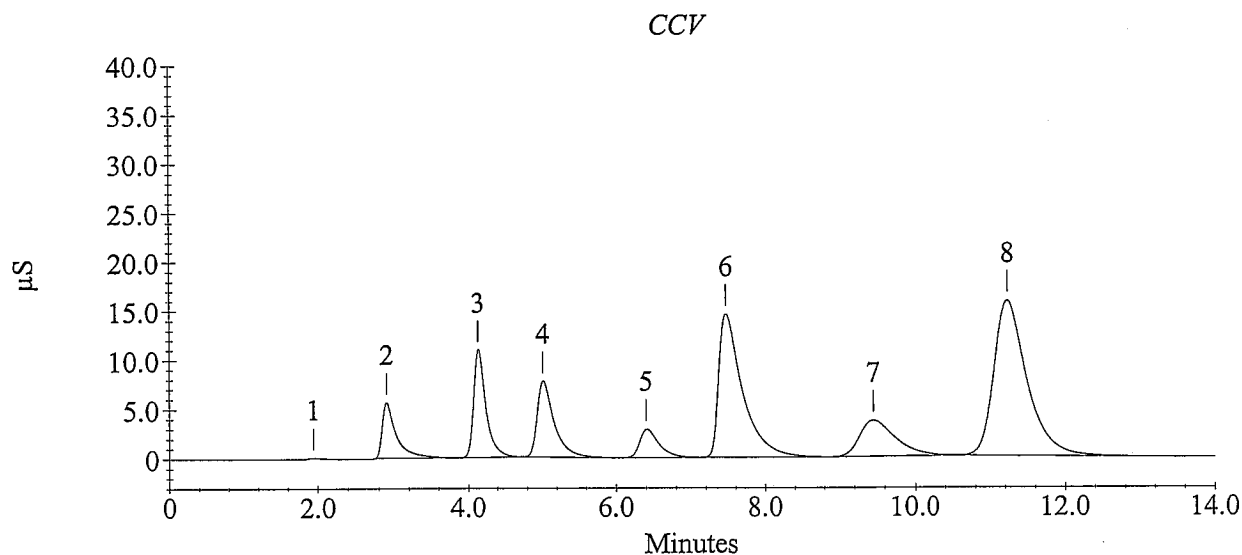
Current Time : 4:30:47 PM

Datafile Updated : 2/13/09 4:30:47 PM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
2	Fluoride	2.91	4766.2		722742
3	Chloride	4.13	10074.8		1268791
4	Nitrite as N	5.01	4864.9		1226903
5	Bromide	6.40	9851.1		505212
6	Nitrate as N	7.47	10001.3		3253007
7	Orthophosphate as P	9.45	10336.5		1194024
8	Sulfate	11.23	49799.0		4840350
	Nitrate/Nitrite as N				



Sample Analysis Report

Sample Name : CCB

Data File Name : c:\peaknet\data\090213\090213_022.DXD

Method File Name : c:\peaknet\method\090127a.met

Current Date : 2/13/09

Date, Time Analyzed : 2/13/09 4:30:49 PM

Current Time : 4:44:51 PM

System Operator : WETCHEM

Datafile Updated : 2/13/09 4:44:51 PM

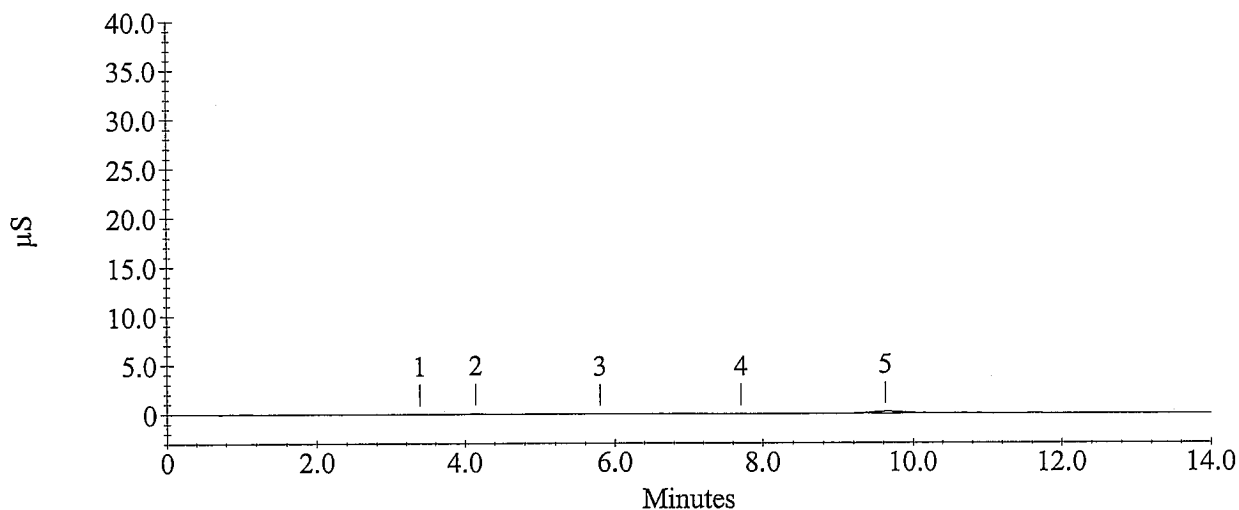
Calibration Updated : 2/4/09 2:18:33 PM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
1		3.39	0.0		834
2	Chloride	4.15	98.6	-	18645
	Nitrite as N				
	Bromide				
4	Nitrate as N	7.71	16.1	-	1969
5	Orthophosphate as P	9.63	577.0		66616
	Sulfate				
	Nitrate/Nitrite as N				

CCB



Sample Analysis Report

Sample Name : 0902111-1 1000X

Data File Name : c:\peaknet\data\090213\090213_023.DXD

Method File Name : c:\peaknet\method\090127a.met

Current Date : 2/13/09

Date, Time Analyzed : 2/13/09 4:44:53 PM

Current Time : 4:58:54 PM

System Operator : WETCHEM

Datafile Updated : 2/13/09 4:58:54 PM

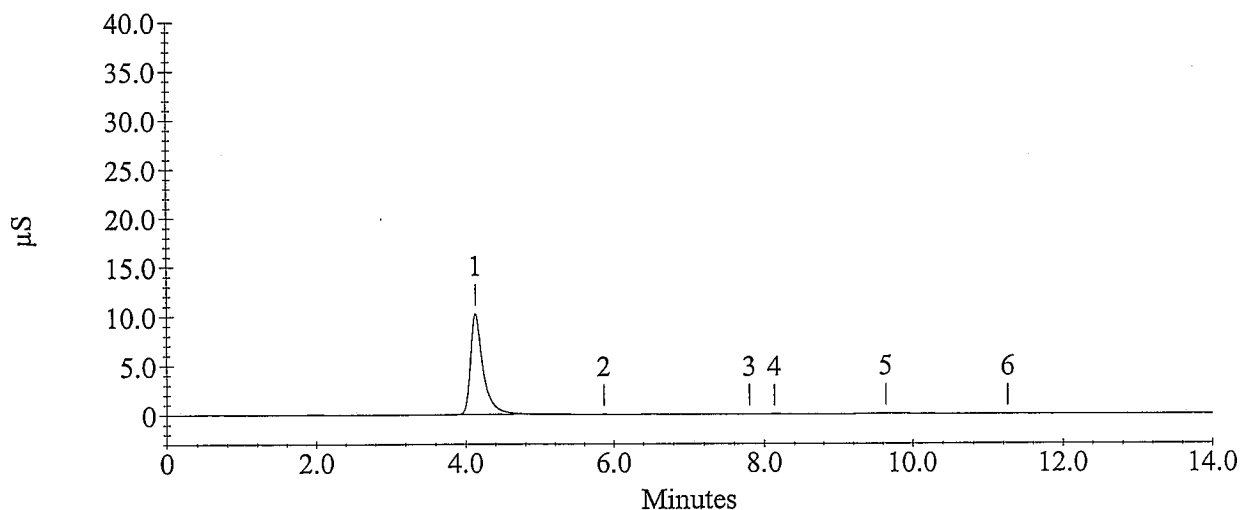
Calibration Updated : 2/4/09 2:18:33 PM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
1	Chloride	4.13	9569.1		1199728
1	Chloride	4.13	9569.1		1199728
	Nitrite as N				
	Bromide				
3	Nitrate as N	7.80	18.5	-	2676
5	Orthophosphate as P	9.64	3.7	-	4765
6	Sulfate	11.25	262.6	-	3823
	Nitrate/Nitrite as N				

0902111-1 1000X



Sample Analysis Report

Sample Name : CCV

Data File Name : c:\peaknet\data\090213\090213_024.DXD

Method File Name : c:\peaknet\method\090127a.met

Date, Time Analyzed : 2/13/09 4:58:55 PM

System Operator : WETCHEM

Calibration Updated : 2/4/09 2:18:33 PM

Current Date : 2/13/09

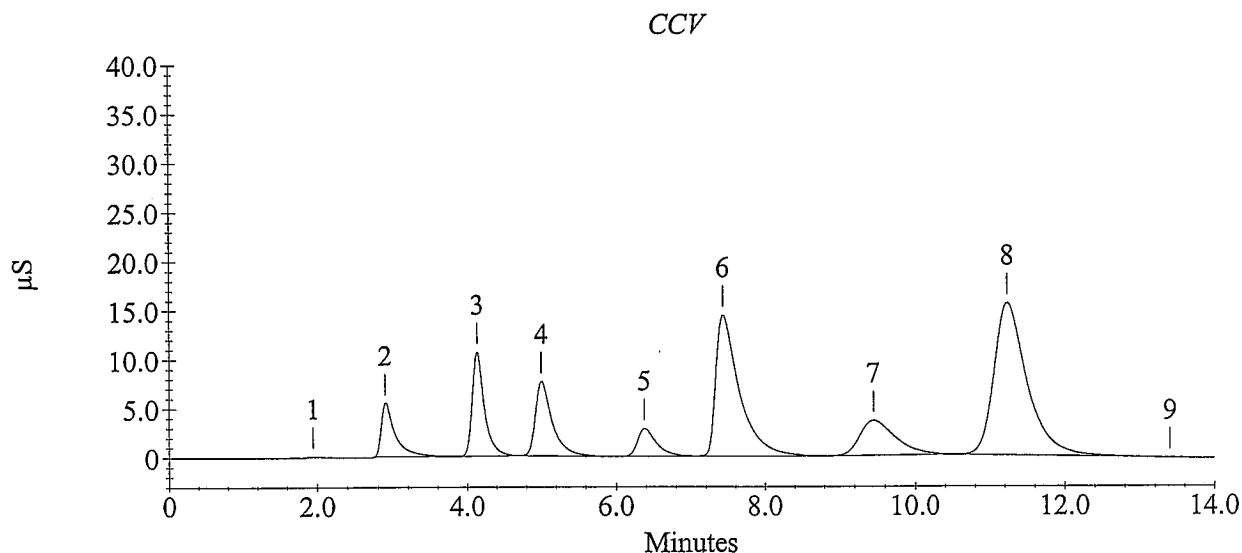
Current Time : 5:12:58 PM

Datafile Updated : 2/13/09 5:12:57 PM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
2	Fluoride	2.89	4663.8		706183
3	Chloride	4.13	9726.0		1221070
4	Nitrite as N	5.00	4799.0		1209355
5	Bromide	6.37	9698.2		496989
6	Nitrate as N	7.43	9830.7		3191423
7	Orthophosphate as P	9.45	10067.2		1160760
8	Sulfate	11.23	49314.3		4787743
	Nitrate/Nitrite as N				



Sample Analysis Report

Sample Name : CCB

Data File Name : c:\peaknet\data\090213\090213_025.DXD

Method File Name : c:\peaknet\method\090127a.met

Current Date : 2/13/09

Date, Time Analyzed : 2/13/09 5:12:59 PM

Current Time : 5:27:01 PM

System Operator : WETCHEM

Datafile Updated : 2/13/09 5:27:01 PM

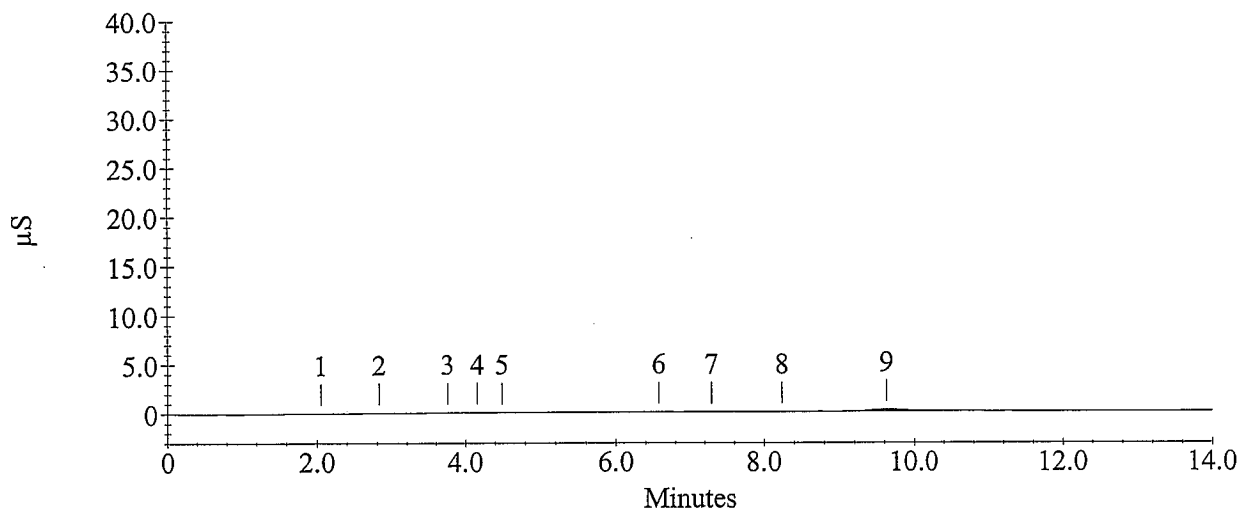
Calibration Updated : 2/4/09 2:18:33 PM

Method Comment : Flow rate = 1.2 mL/min,
Eluent = ...

Peak Information : All Components

Peak Number	Analyte	Retention Time (min.)	Concentration (ug/L)	Limit Exceeded	Peak Area
2	Fluoride	2.83	61.5	-	3754
4	Chloride	4.16	-46.6	-	1929
	Nitrite as N				
6	Bromide	6.57	59.0	-	6111
7	Nitrate as N	7.29	17.6	-	2395
9	Orthophosphate as P	9.63	562.5		65048
	Sulfate				
	Nitrate/Nitrite as N				

CCB





ALS Paragon



Total Extractable Hydrocarbons (Diesel) Case Narrative

URS

Williams-Rio Blanca – 22240417.00001

Work Order Number: 0902111

1. This report consists of 1 water sample. The sample was received cool and intact by ALS Paragon on 02/13/2009.
2. The water sample was extracted using separatory funnels according to SOP 626 Revision 9 based on Method 3510C.
3. The extract was then analyzed using GC with a DB-5.625 capillary column and a flame ionization detector (FID) according to SOP 406 Revision 13 generally based on SW-846 Method 8000B and Method 8015B and specifically on the California LUFT Field Manual (October 1989 revision). The procedures are based on this general method because SW-846 does not have a specific method for total extractable petroleum hydrocarbons (TEPH) or diesel range organics. The only true modification from this method is that TEPH is a multicomponent mixture and is quantitated by integrating across the entire range, rather than summing areas of individual peaks. All positive results were quantitated using the responses from the initial calibration curve using the external standard technique. Also, a confirmation column is not used, because the analyte is a multicomponent mixture and the specific carbon range of the peaks detected is specified on the individual sample reporting forms.
4. All initial and continuing calibration criteria were met.
5. The method blank associated with this project was below the MDL for all analytes.
6. All laboratory control sample and laboratory control sample duplicate recoveries and RPDs were within the acceptance criteria.
7. Matrix spikes and matrix spike duplicates could not be performed because of insufficient sample. A laboratory control sample and laboratory control sample duplicate were performed instead.
8. The sample was extracted and analyzed within the established holding time.



9. A surrogate recovery could not be reported for sample 1 due to the dilution needed to bring the target analytes into the linear range of the instrument. All other surrogate recoveries were within the acceptance criteria.
10. The sample was analyzed at a dilution in order to bring the target analytes within the calibration range of the instrument. The reporting limits have been adjusted accordingly.
11. Manual integrations are performed when needed to provide consistent and defensible data following the guidelines in SOP 939 Revision 3. Whenever manual integrations are performed, before and after chromatograms of the peak that was manually integrated are included in the report along with the reason why the re-integration was necessary.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS Paragon certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Mindy Norton
Mindy Norton
Organics Primary Data Reviewer

2.20.09
Date

Ene Bayless
Organics Final Data Reviewer

2/23/09
Date



***ALS Paragon
Data Qualifier Flags
Fuels***

- G:** This flag indicates that a pattern resembling gasoline was detected in this sample.
- D:** This flag indicates that a pattern resembling diesel was detected in this sample.
- M:** This flag indicates that a pattern resembling motor oil was detected in this sample.
- C:** This flag indicates that a pattern resembling crude oil was detected in this sample.
- 4:** This flag indicates that a pattern resembling JP-4 was detected in this sample.
- 5:** This flag indicates that a pattern resembling JP-5 was detected in this sample.
- H:** This flag indicates that the fuel pattern was in the heavier end of the retention time window for the analyte of interest.
- L:** This flag indicates that the fuel pattern was in the lighter end of the retention time window for the analyte of interest.
- Z:** This flag indicates that a significant fraction of the reported result did not resemble the patterns of any of the following petroleum hydrocarbon products:
gasoline
JP-8
diesel
mineral spirits
motor oil
Stoddard solvent
bunker C

Multiple flags may be used to indicate the presence of more than one product or component.

***ALS Paragon
Data Qualifier Flags
Chromatography and Mass Spectrometry***

- U or ND:** This flag indicates that the compound was analyzed for but not detected.
- J:** This flag indicates an estimated value. This flag is used as follows: (1) when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed; (2) when the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the reporting limit (RL) but greater than the method detection limit (MDL); (3) when the retention time data indicate the presence of a compound that meets the GC identification criteria, and the result is less than the RL but greater than the MDL; and (4) the reported value is estimated.
- B:** This flag is used when the analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user. This flag shall be used for a tentatively identified compound (TIC) as well as for a positively identified target compound.
- E:** This flag identifies compounds whose concentration exceeds the upper level of the calibration range.
- A:** This flag indicates that a tentatively identified compound is a suspected aldol-condensation product.
- X:** This flag indicates that the analyte was diluted below an accurate quantitation level.
- *:** This flag indicates that a spike recovery is equal to or outside the control criteria used.
- +:** This flag indicates that the relative percent difference (RPD) equals or exceeds the control criteria.

ALS Paragon

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0902111

Client Name: URS

Client Project Name: Williams-Rio Blanca

Client Project Number: 22240417.00001

Client PO Number: Williams 2008

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
FE-RG-11-7-397-PW-GPTF	0902111-1		WATER	12-Feb-09	12:15
Trip Blank 011309	0902111-2		WATER	12-Feb-09	

[illegible]

CONDITION OF SAMPLE UPON RECEIPT FORM

Paragon Analytics

Client: URSWorkorder No: 0902111Project Manager: AWInitials: LJO Date: 2/13/09

1. Does this project require any special handling in addition to standard Paragon procedures?	YES	<input checked="" type="radio"/> NO
2. Are custody seals on shipping containers intact?	NONE	<input checked="" type="radio"/> YES NO
3. Are Custody seals on sample containers intact?	<input checked="" type="radio"/> NONE	YES NO
4. Is there a COC (Chain-of-Custody) present or other representative documents?	<input checked="" type="radio"/> YES	NO
5. Are the COC and bottle labels complete and legible ?	<input checked="" type="radio"/> YES	NO
6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)	<input checked="" type="radio"/> YES	NO
7. Were airbills / shipping documents present and/or removable?	DROP OFF	<input checked="" type="radio"/> YES NO
8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles)	N/A	YES <input checked="" type="radio"/> NO
9. Are all aqueous non-preserved samples pH 4-9 ?	N/A	<input checked="" type="radio"/> YES NO
10. Is there sufficient sample for the requested analyses?	<input checked="" type="radio"/> YES	NO
11. Were all samples placed in the proper containers for the requested analyses?	<input checked="" type="radio"/> YES	NO
12. Are all samples within holding times for the requested analyses?	<input checked="" type="radio"/> YES	NO
13. Were all sample containers received intact ? (not broken or leaking, etc.)	<input checked="" type="radio"/> YES	NO
14. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: <u> </u> < green pea <u> </u> > green pea	N/A	YES <input checked="" type="radio"/> NO
15. Do perchlorate LCMS-MS samples have headspace? (at least 1/3 of container required)	<input checked="" type="radio"/> N/A	YES NO
16. Were samples checked for and free from the presence of residual chlorine ? (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	<input checked="" type="radio"/> N/A	YES NO
17. Were the samples shipped on ice ?	<input checked="" type="radio"/> YES	NO
18. Were cooler temperatures measured at 0.1-6.0°C?	IR gun used*: <input checked="" type="radio"/> #2 #4	RAD ONLY <input checked="" type="radio"/> YES NO
Cooler #: <u>1</u>		
Temperature (°C): <u>3.8</u>		
No. of custody seals on cooler: <u>1</u>		
External µR/hr reading: <u>12</u>		
Background µR/hr reading: <u>12</u>		
Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? <input checked="" type="radio"/> YES / NO / NA (If no, see Form 008.)		

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND #16.

- ★ Sample #1 (FE-RG-11-7-397-PW-GPTF) the 1L poly for metals analysis was received at pH 5.0. 20 ml HNO₃ (G17027-Lot#) was added at 1200 on 2/13/09 by LJO for a final pH < 2.
- Sample #1 (FE-RG-11-7-397-PW-GPTF) 2 of 3 40ml VOC vial contain headspace > pea.
 ↓ ↓ ↓ 3 of 3 ↓ GRO ↓ ↓ ↓ > pea.
- Sample #1 - time on bottles: 12:15

If applicable, was the client contacted? ☒ YES / NO / NA Contact: Sheri O'Connor Date/Time: c-mail 2/13/09Project Manager Signature / Date: [Signature] 2/13/09

*IR Gun #2: Oakton, SN 29922500201-0066

*IR Gun #4: Oakton, SN 2372220101-0002

1 From This portion can be removed for Recipient's records.

Date 2/12/01 FedEx Tracking Number

Sender's Name DAVID SLACK Phone 970 284-4741

Company URS CORP

Address 113 COOPER AVE STE 100

City CLEVELAND State OH ZIP 44114-3423

2 Your Internal Billing Reference 22240417.54210.00001

3 To

Recipient's Name DEB FAZIO Phone 970 950-1311

Company PARAGON ASSOCIATES

Recipient's Address 605 COOPER DRIVE

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City PORT CULLINS State FL ZIP 32924



8675 6892 2148

RECIPIENT: PEEL HERE

fedex.com 1.800.GoFedEx 1.800.463.3339



4a Express Package Service

☒ **FedEx Priority Overnight**
Next business morning delivery, Monday through Saturday. Delivery not available on Sundays and Federal Holidays.

☐ **FedEx Standard Overnight**
Next business day delivery, Monday through Saturday. Delivery not available on Sundays and Federal Holidays.

☐ **FedEx 2Day**
Second business day delivery, Monday through Saturday. Delivery not available on Sundays and Federal Holidays.

☐ **FedEx Express Saver**
Third business day delivery, Monday through Saturday. Delivery not available on Sundays and Federal Holidays.

☐ **FedEx 3Day Freight**
Second business day delivery, Monday through Saturday. Delivery not available on Sundays and Federal Holidays.

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Analytical Results

Total Extractable Hydrocarbons

Method SW8015MCALUFTB

Method Blank

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: EX090216-5MB

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 16-Feb-09

Date Analyzed: 18-Feb-09

Prep Batch: EX090216-5

QCBatchID: EX090216-5-1

Run ID: HCD090218-3A

Cleanup: NONE

Basis: N/A

File Name: F3F33464

Sample Aliquot: 1000 ml

Final Volume: 2.5 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
68334-30-5	DIESEL RANGE ORGANICS	1	0.1	0.1	0.033	U	
	MOTOR OIL RANGE ORGANICS	1	0.1	0.1	0.033	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
84-15-1	O-TERPHENYL	0.218		0.25	87	60 - 140

Data Package ID: HCD0902111-1

Date Printed: Friday, February 20, 2009

ALS Paragon

LIMS Version: 6.245A

Page 1 of 1

Total Extractable Hydrocarbons

Method SW8015MCALUFTB

Sample Results

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-11-7-397-PW-GPTF
Lab ID: 0902111-1

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 12-Feb-09

Date Extracted: 16-Feb-09

Date Analyzed: 18-Feb-09

Prep Method: SW3510 Rev C

Prep Batch: EX090216-5

QC Batch ID: EX090216-5-1

Run ID: HCD090218-3A

Cleanup: NONE

Basis: As Received

File Name: F3F33467

Sample Aliquot: 1055 ml

Final Volume: 2.5 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
68334-30-5	DIESEL RANGE ORGANICS	100	830	9.5	3.2	D,Z	
	MOTOR OIL RANGE ORGANICS	100	120	9.5	3.2	Z	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
84-15-1	O-TERPHENYL		X	0.237		60 - 140

The chromatogram for DIESEL RANGE ORGANICS indicates the presence of hydrocarbons in the range of C8-C21.

The chromatogram for MOTOR OIL RANGE ORGANICS indicates the presence of hydrocarbons in the range of C21-C32.

Data Package ID: HCD0902111-1

Date Printed: Friday, February 20, 2009

ALS Paragon

LIMS Version: 6.245A

Page 1 of 1

Supporting QA/QC Data

Surrogate Summary for Total Extractable Hydrocarbons

Method SW8015MCALUFTB

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

PrepBatchID: EX090216-5

QC Batch ID: EX090216-5-1

Date Extracted: 2/16/2009

Surrogate Compound	Control Limits	
	Lower	Upper
o-terphenyl	60	140

Lab ID	Client Sample ID	Date Collected	Date Received	% Recovery
EX090216-5MB	XXXXXXX	2/16/2009	2/13/2009	87
EX090216-5LCS	XXXXXXX	2/16/2009	2/13/2009	84
EX090216-5LCSD	XXXXXXX	2/16/2009	2/13/2009	86
0902111-1	FE-RG-11-7-397-PW-GPTF	2/12/2009	2/13/2009	

Data Package ID: HCD0902111-1

Total Extractable Hydrocarbons

Method SW8015MCALUFTB

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: EX090216-5LCS

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 02/16/2009

Date Analyzed: 02/18/2009

Prep Method: SW3510C

Prep Batch: EX090216-5

QCBatchID: EX090216-5-1

Run ID: HCD090218-3A

Cleanup: NONE

Basis: N/A

File Name: F3F33465

Sample Aliquot: 1000 ml

Final Volume: 2.5 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
68334-30-5	DIESEL RANGE ORGANICS	1	0.765	0.1		76	60 - 140%

Lab ID: EX090216-5LCSD

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 02/16/2009

Date Analyzed: 02/18/2009

Prep Method: SW3510C

Prep Batch: EX090216-5

QCBatchID: EX090216-5-1

Run ID: HCD090218-3A

Cleanup: NONE

Basis: N/A

File Name: F3F33466

Sample Aliquot: 1000 ml

Final Volume: 2.5 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	Result Qualifier	LCSD % Rec.	RPD Limit	RPD
68334-30-5	DIESEL RANGE ORGANICS	1	0.776	0.1		78	50	1

Surrogate Recovery LCS/LCSD

CASNO	Target Analyte	Spike Added	LCS % Rec.	LCS Flag	LCSD % Rec.	LCSD Flag	Control Limits
84-15-1	O-TERPHENYL	0.25	84		86		60 - 140

Data Package ID: HCD0902111-1

Date Printed: Friday, February 20, 2009

ALS Paragon

LIMS Version: 6.245A

Page 1 of 1

Prep Batch ID: EX090216-5

Start Date: 02/16/09

End Date: 02/16/09

Concentration Method: CRVS

Batch Created By: bch

Start Time: 13:25

End Time: 14:15

Extract Method: SW3510C

Date Created: 02/16/09

Prep Analyst: Brendon Howard

Initial Volume Units: ml

Time Created: 14:06

Comments:

Final Volume Units: ml

Validated By: bch

Date Validated: 02/16/09

Time Validated: 16:24

QC Batch ID: EX090216-5-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
EX090216-5	MB	XXXXXX	WATER	XXXXXX	1000	2.5	NONE	1	0902111
EX090216-5	LCS	XXXXXX	WATER	XXXXXX	1000	2.5	NONE	1	0902111
EX090216-5	LCSD	XXXXXX	WATER	XXXXXX	1000	2.5	NONE	1	0902111
0902111-1	SMP	FE-RG-11-7-397-PW-	WATER	2/12/2009	1055	2.5	NONE	1	0902111

In generating this benchsheet, prep analyst states that all aspects of sample preparation as set forth in the appropriate PAR SOP's (including Kuderna-Danish temperatures, proper flow settings on the N-evap, and final volumes) were properly adhered to (unless otherwise noted herein).

QC Types

CAR	Carrier reference sample	DUP	Laboratory Duplicate
LCS	Laboratory Control Sample	LCSD	Laboratory Control Sample Duplicat
MB	Method Blank	MS	Laboratory Matrix Spike
MSD	Laboratory Matrix Spike Duplicate	REP	Sample replicate
SMP	Field Sample	SYS	Sample Yield Spike

Initial Calibration Summary

Paragon Analytics

Inst. ID: FUELS3

C:\HPCHEM\5\METHODS\F021809.M

Calibration Date: 02/18/09

1 = F3F33456.D 2 = F3F33457.D 3 = F3F33458.D 4 = F3F33459.D
 5 = F3F33460.D 6 = F3F33461.D 7 = F3F33462.D 8 =

Calibration Factors								
Compounds	1	2	3	4	5	6	7	8
TEPH	3065.92	2905.74	2924.46	2805.88	2894.52	2880.85	3291.00	
Motor Oil	1109.83	1159.77	1131.45	1286.86	1361.57	1250.83	1353.15	
O-Terphenyl[S]	3337.54	3102.31	3073.96	3057.38	3013.10	2802.00	3310.00	

Compounds	Ave. CF	%RSD	Corr.	Curve fit	Linear curve info		
			r2	type	slope	y-int	x*x
TEPH	2966.9	5.5		Average	2966.911	0.00	0.00
Motor Oil	1236.2	8.4		Average	1236.208	0.00	0.00
O-Terphenyl[S]	3099.5	5.9		Average	3099.47	0.00	0.00

Calibration Level (µg/ml)								
Compounds	1	2	3	4	5	6	7	8
TEPH	5000	2000	1000	500	100	40	20	
Motor Oil	5000	2000	1000	500	100	40	20	
O-Terphenyl[S]	500	200	100	50	10	4	2	

Calibration Verification Summary

Paragon Analytics

Sample: 500ug/mL DRO/MO CALUFT ICV

Data File #1: C:\HPCHEM\5\DATA\02182009\F3F33463.D Column #1: DB-5.625

COMPOUND	Column #1			Nom Conc µg/ml	Col. #1	Col. #1
	Exp. RT (min)	Found RT (min)	Dev (min)		Conc µg/ml	%D
Motor Oil	17.000	17.000	0.000	500	556	11
TEPH	10.000	10.000	0.000	500	517	3

EB
2/19/09

Calibration Verification Summary

Paragon Analytics

Sample: 1000ug/mL DRO/MO CALUFT CCV1

Data File #1: C:\HPCHEM\5\DATA\02182009\F3F33472.D Column #1: DB-5.625

COMPOUND	Column #1			Nom Conc µg/ml	Col. #1	Col. #1
	Exp. RT (min)	Found RT (min)	Dev (min)		Conc µg/ml	%D
Motor Oil	17.000	17.000	0.000	1000	1035	4
TEPH	10.000	10.000	0.000	1000	1031	3
o-terphenyl	12.280	12.283	-0.003	100	105	5

EB
2/19/09

Supporting Raw Data

Instrument Name Fagus 3

Paragon Analytics

Logbook No./Page 369342

Sequence File: C:\HPCHEM\SEQUENCE\02182009.S

Date Analyzed 2/18/09

Operator ES GC Method TEPH 13

Data Path: C:\HPCHEM\5\DATA\ 02182009

Analytical Method gusim calcar SOP 406 Rev. 13

Hexane Lot _____
Dichloromethane Lot CX887 = *ocm* Reviewed by / date _____

Form 531r2.xls (9/14/2001)

[illegible]

20

...

Calibration Raw Data

Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33455.D
 Acq On : 18 Feb 09 01:36 PM
 Sample : Hydrocarbon Range Mix
 Misc : 50uL ST081117-1 + 450uL DCM
 Quant Time: Feb 19 12:33 19109

Vial: 2
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 12:09:03 2009
 Response via : Multiple Level Calibration

Volume Inj. : 1uL
 Signal Phase : DB-5.625, 30m, 0.25mm 0.5µm
 Signal Info : FID

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
3) S o-terphenyl	0.00	0	N.D. µg/ml
	Recovery	=	0.00%
Target Compounds			
1) H TEPH	10.00	934382	314.93 µg/ml
2) H Motor Oil	17.00	515093	416.67 µg/ml

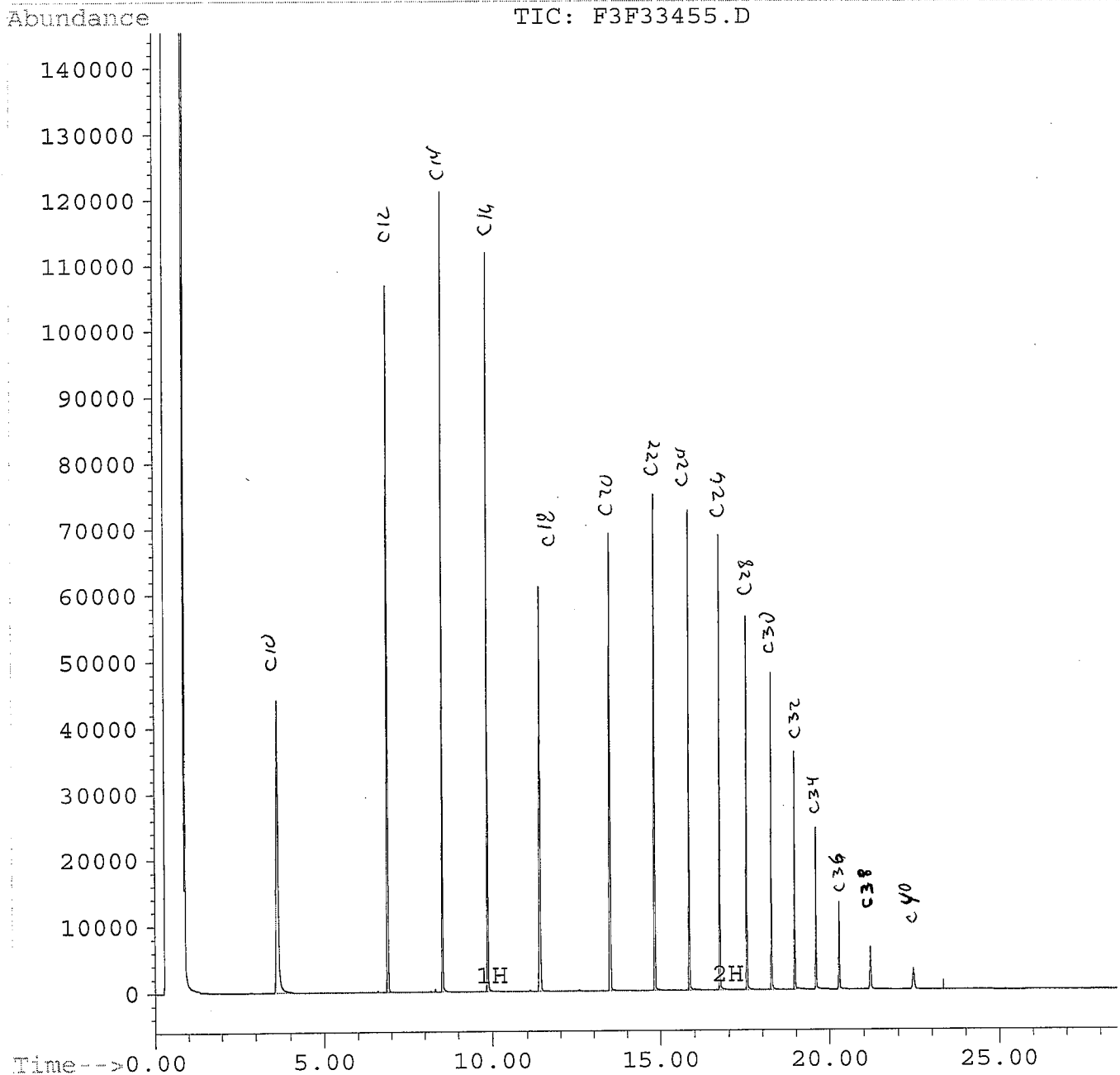
Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33455.D
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 Misc : 50uL ST081117-1 + 450uL DCM
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Vial: 2
 Operator: edb
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 Last Update : Thu Feb 19 12:09:03 2009
 Response via : Multiple Level Calibration

Volume Inj. : 1uL
 Signal Phase : DB-5.625, 30m, 0.25mm 0.5µm
 Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33456.D
 Acq On : 18 Feb 09 02:13 PM
 Sample : 5000ug/mL DRO/MO CALUFT ICAL
 Misc : ST080822-4
 Quant Time: Feb 19 11:45 19109

Vial: 3
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 11:44:37 2009
 Response via : Multiple Level Calibration

Volume Inj. : 1uL
 Signal Phase : DB-5.625, 30m, 0.25mm 0.5µm
 Signal Info : FID

Compound	R.T.	Response	Conc Units

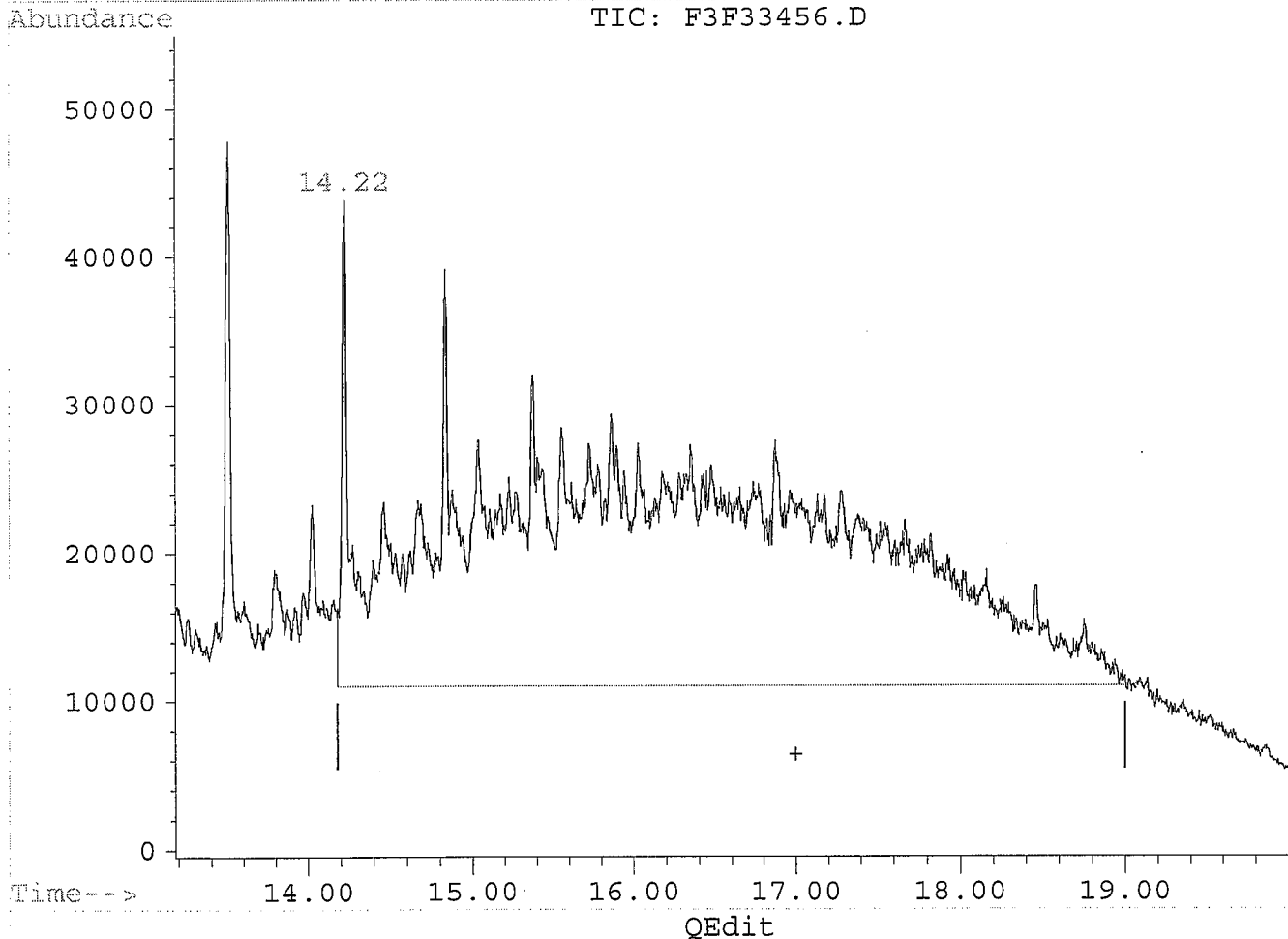
System Monitoring Compounds			
3) S o-terphenyl	12.42	1668769	538.40 µg/ml
	Recovery	=	538.40%
Target Compounds			
1) H TEPH	10.00	15329618	5166.86 µg/ml
2) H Motor Oil	17.00	5549174	4492.64 µg/ml

Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33456.D
Acq On : 18 Feb 09 02:13 PM
Sample : 5000ug/mL DRO/MO CALUFT ICAL
Misc : ST080822-4
Quant Time: Feb 19 11:42 19109

Vial: 3
Operator: edb
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
Title : 8015Bmod, CALuft
Last Update : Thu Feb 19 11:35:40 2009
Response via : Multiple Level Calibration



(2) Motor Oil (H)
17.00min 2277.00µg/ml m
response 2812482

BEFORE

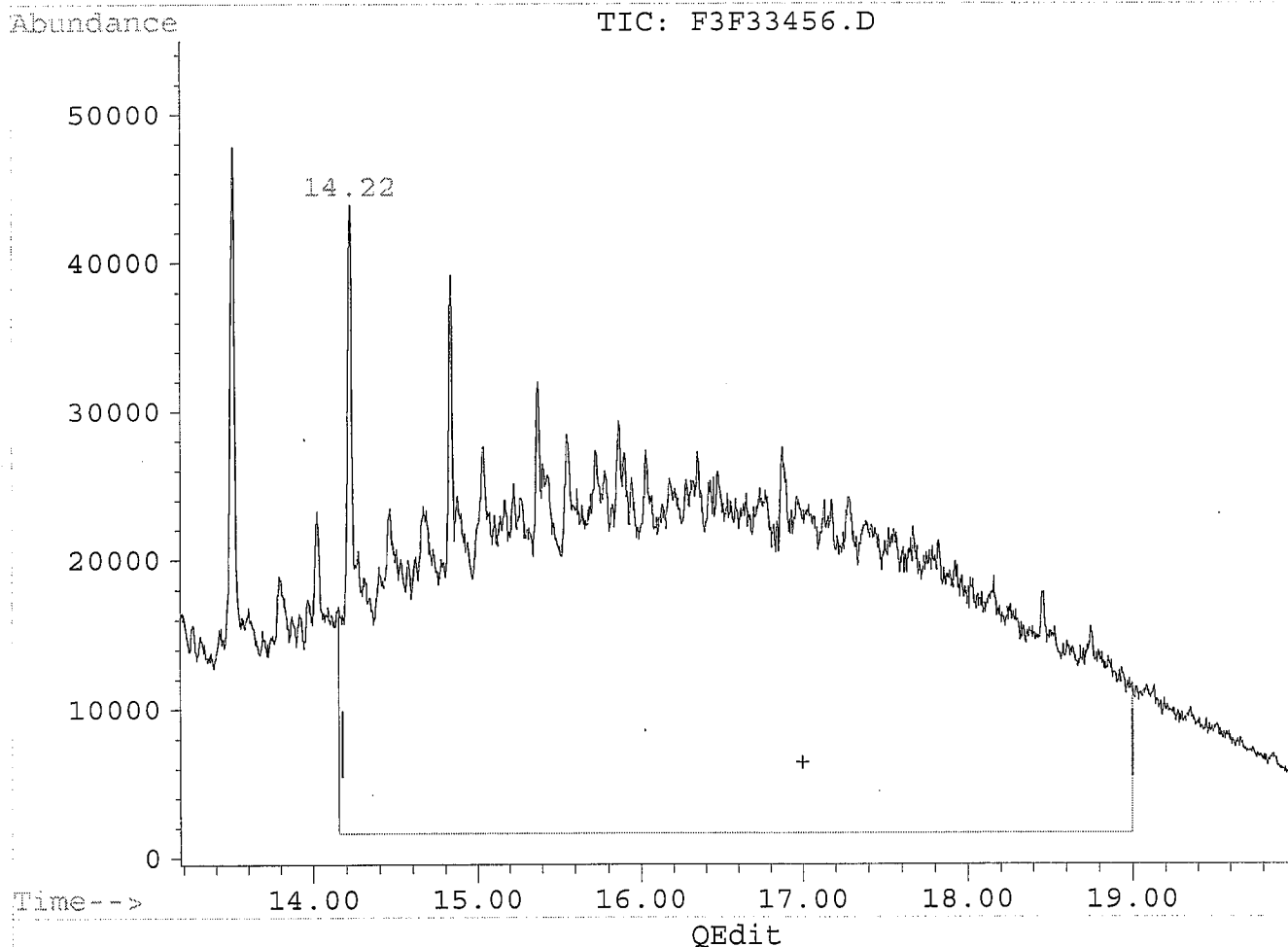
(+) = Expected Retention Time
F3F33456.D F021809.M Thu Feb 19 11:43:17 2009

Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33456.D
 Acq On : 18 Feb 09 02:13 PM
 Sample : 5000ug/mL DRO/MO CALUFT ICAL
 Misc : ST080822-4
 Quant Time: Feb 19 11:45 19109

Vial: 3
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 11:44:37 2009
 Response via : Multiple Level Calibration



(2) Motor Oil (H)
 17.00min 4492.64µg/ml m
 response 5549174

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☒ under-integrated peak's area
- ☐ other _____

initials Ed date 2/19/09

(+) = Expected Retention Time
 F3F33456.D F021809.M Thu Feb 19 11:45:53 2009

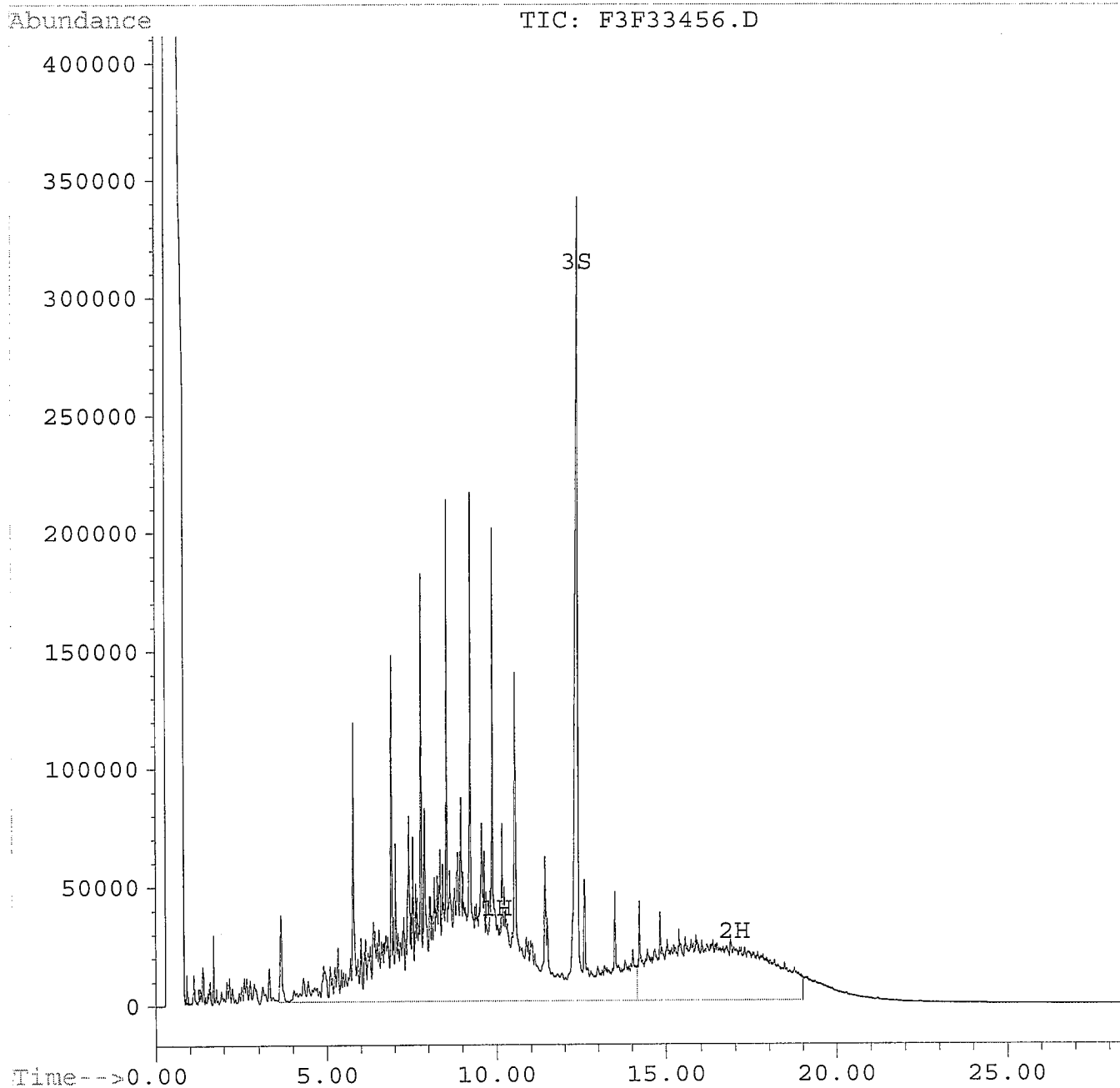
Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33456.D
Acq On : 18 Feb 09 02:13 PM
Sample : 5000ug/mL DRO/MO CALUFT ICAL
Misc : ST080822-4
Quant Time: Feb 19 11:45 19109

Vial: 3
Operator: edb
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
Title : 8015Bmod, CALuft
Last Update : Thu Feb 19 11:44:37 2009
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm 0.5 μ m
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33457.D
 Acq On : 18 Feb 09 02:50 PM
 Sample : 2000ug/mL DRO/MO CALUFT ICAL
 Misc : 400uL ST080822-4 + 600uL DCM
 Quant Time: Feb 19 11:49 19109

Vial: 4
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 11:49:42 2009
 Response via : Multiple Level Calibration

Volume Inj. : 1uL
 Signal Phase : DB-5.625, 30m, 0.25mm 0.5µm
 Signal Info : FID

Compound	R.T.	Response	Conc Units

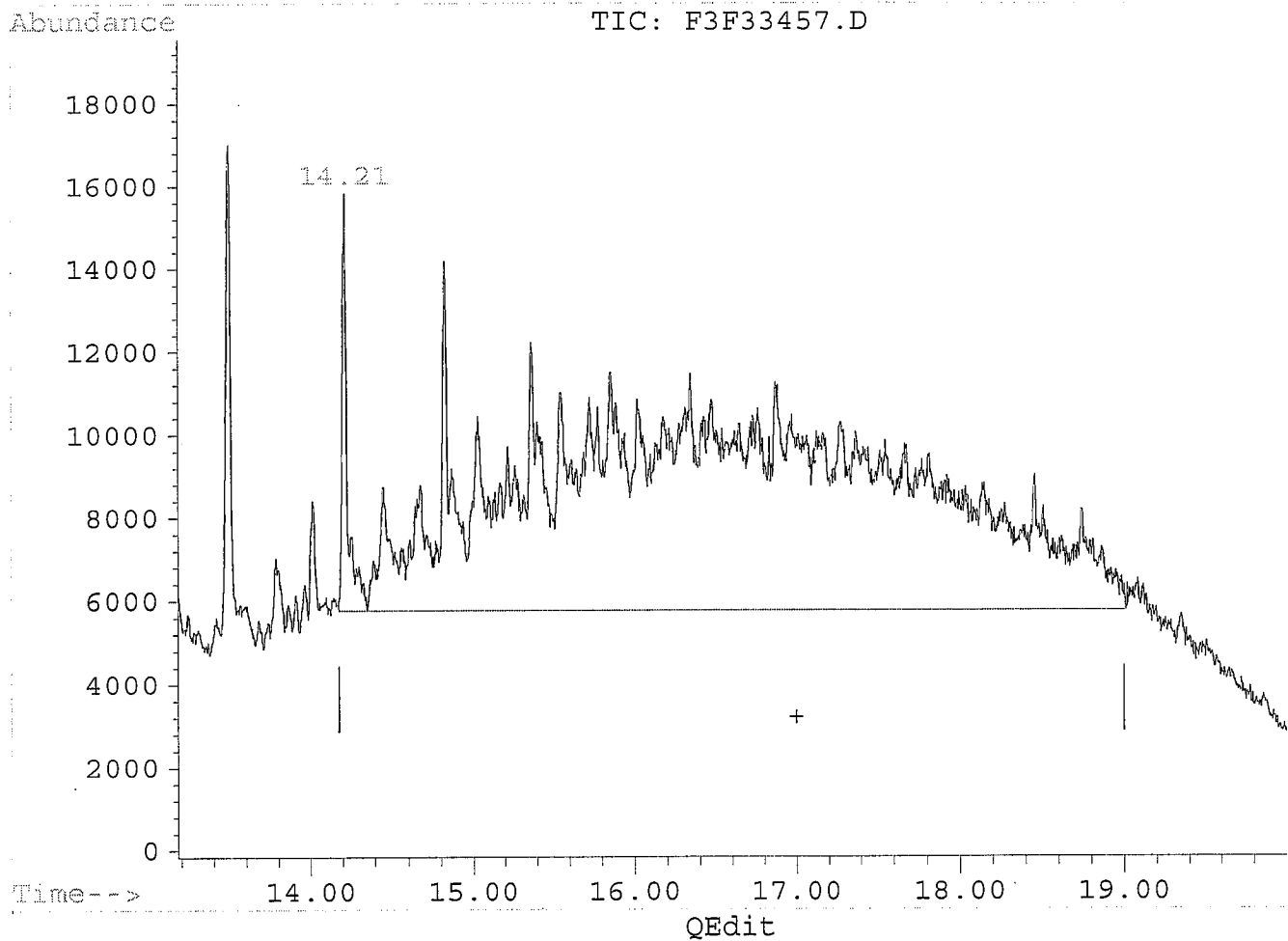
System Monitoring Compounds			
3) S o-terphenyl	12.34	620462	200.18 µg/ml
	Recovery	=	200.18%
Target Compounds			
1) H TEPH	10.00	5811484	1958.77 µg/ml
2) H Motor Oil	17.00	2319538	1878.51 µg/ml

Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33457.D
 Acq On : 18 Feb 09 02:50 PM
 Sample : 2000ug/mL DRO/MO CALUFT ICAL
 Misc : 400uL ST080822-4 + 600uL DCM
 Quant Time: Feb 19 11:47 19109

Vial: 4
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 11:46:11 2009
 Response via : Multiple Level Calibration



(2) Motor Oil (H)
 17.00min 695.93µg/ml m
 response 859315

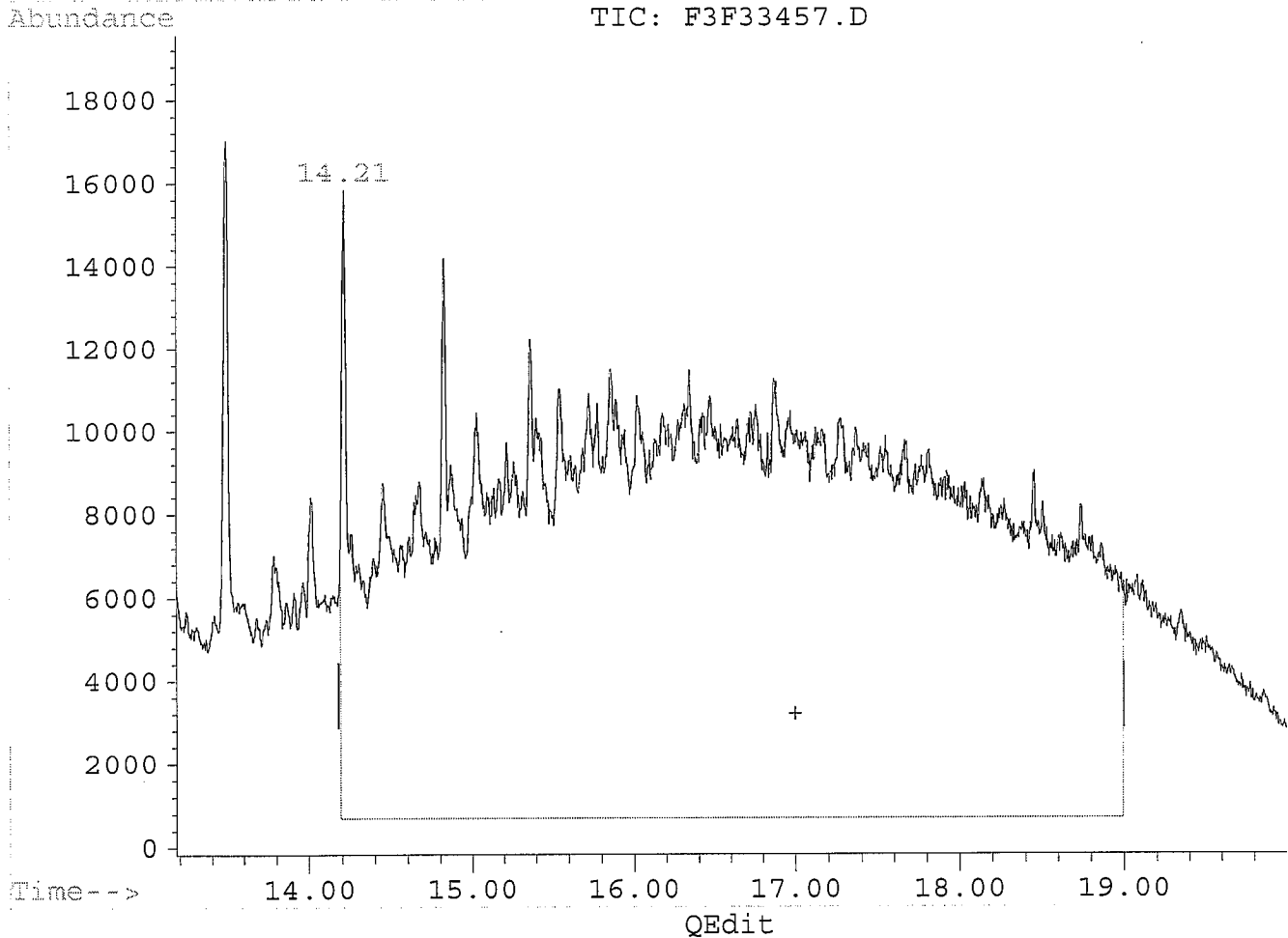
BEFORE

Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33457.D
 Acq On : 18 Feb 09 02:50 PM
 Sample : 2000ug/mL DRO/MO CALUFT ICAL
 Misc : 400uL ST080822-4 + 600uL DCM
 Quant Time: Feb 19 11:49 19109

Vial: 4
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 11:46:11 2009
 Response via : Multiple Level Calibration



(2) Motor Oil (H)
 17.00min 1878.51µg/ml m
 response 2319538

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☒ under-integrated peak's area
- ☐ other _____

initials EB date 2/19/09

(+) = Expected Retention Time
 F3F33457.D F021809.M Thu Feb 19 11:49:32 2009

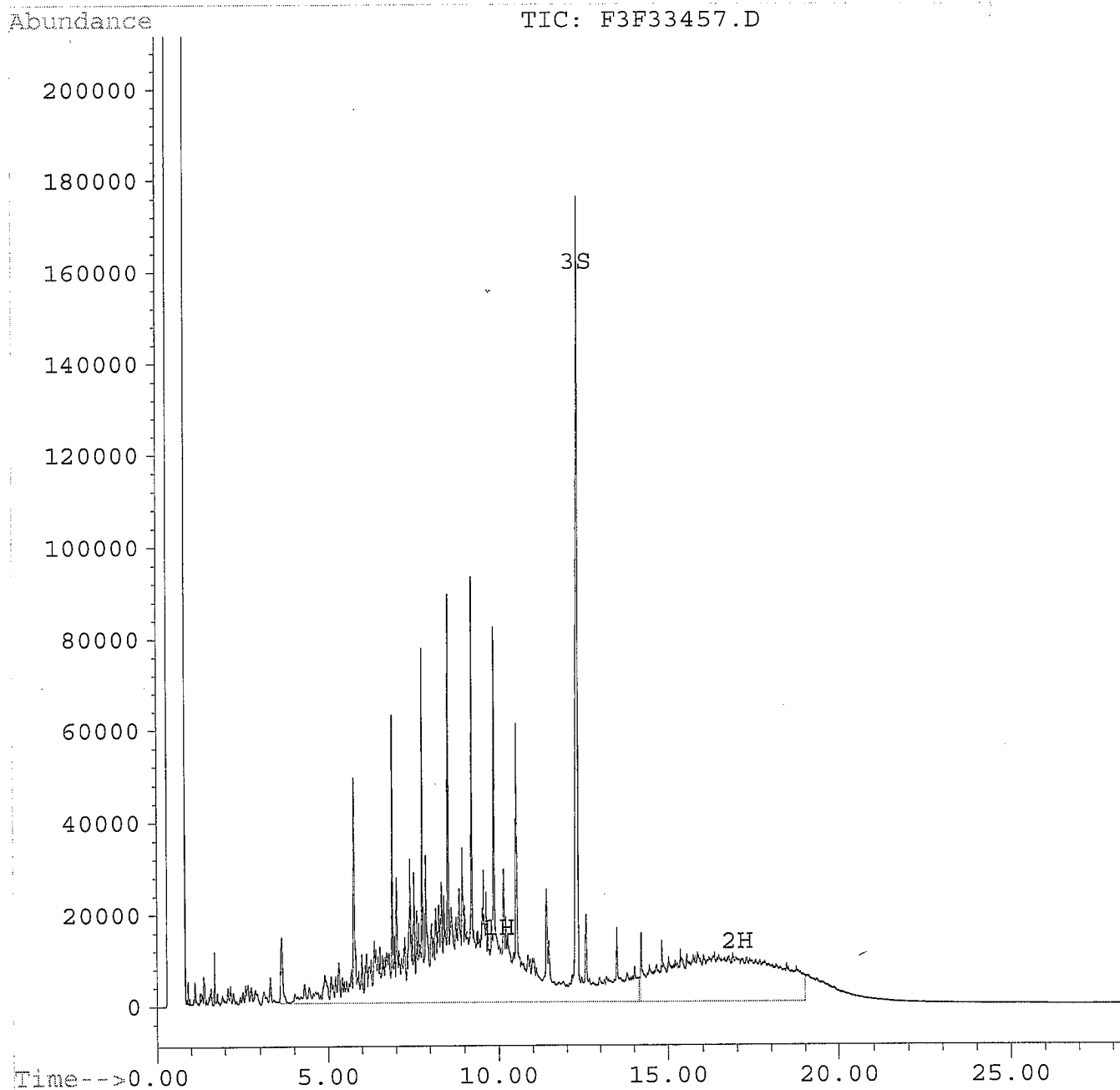
Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33457.D
Acq On : 18 Feb 09 02:50 PM
Sample : 2000ug/mL DRO/MO CALUFT ICAL
Misc : 400uL ST080822-4 + 600uL DCM
Quant Time: Feb 19 11:49 19109

Vial: 4
Operator: edb
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
Title : 8015Bmod, CALuft
Last Update : Thu Feb 19 11:49:42 2009
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm 0.5 μ m
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33458.D
 Acq On : 18 Feb 09 03:26 PM
 Sample : 1000ug/mL DRO/MO CALUFT ICAL
 Misc : 200uL ST080822-4 + 800uL DCM
 Quant Time: Feb 19 11:51 19109

Vial: 5
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 11:49:59 2009
 Response via : Multiple Level Calibration

Volume Inj. : 1uL
 Signal Phase : DB-5.625, 30m, 0.25mm 0.5µm
 Signal Info : FID

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
3) S o-terphenyl	12.31	307396	99.18 µg/ml
	Recovery	=	99.18%
Target Compounds			
1) H TEPH	10.00	2924455	985.69 µg/ml
2) H Motor Oil	17.00	1131448	916.86 µg/ml

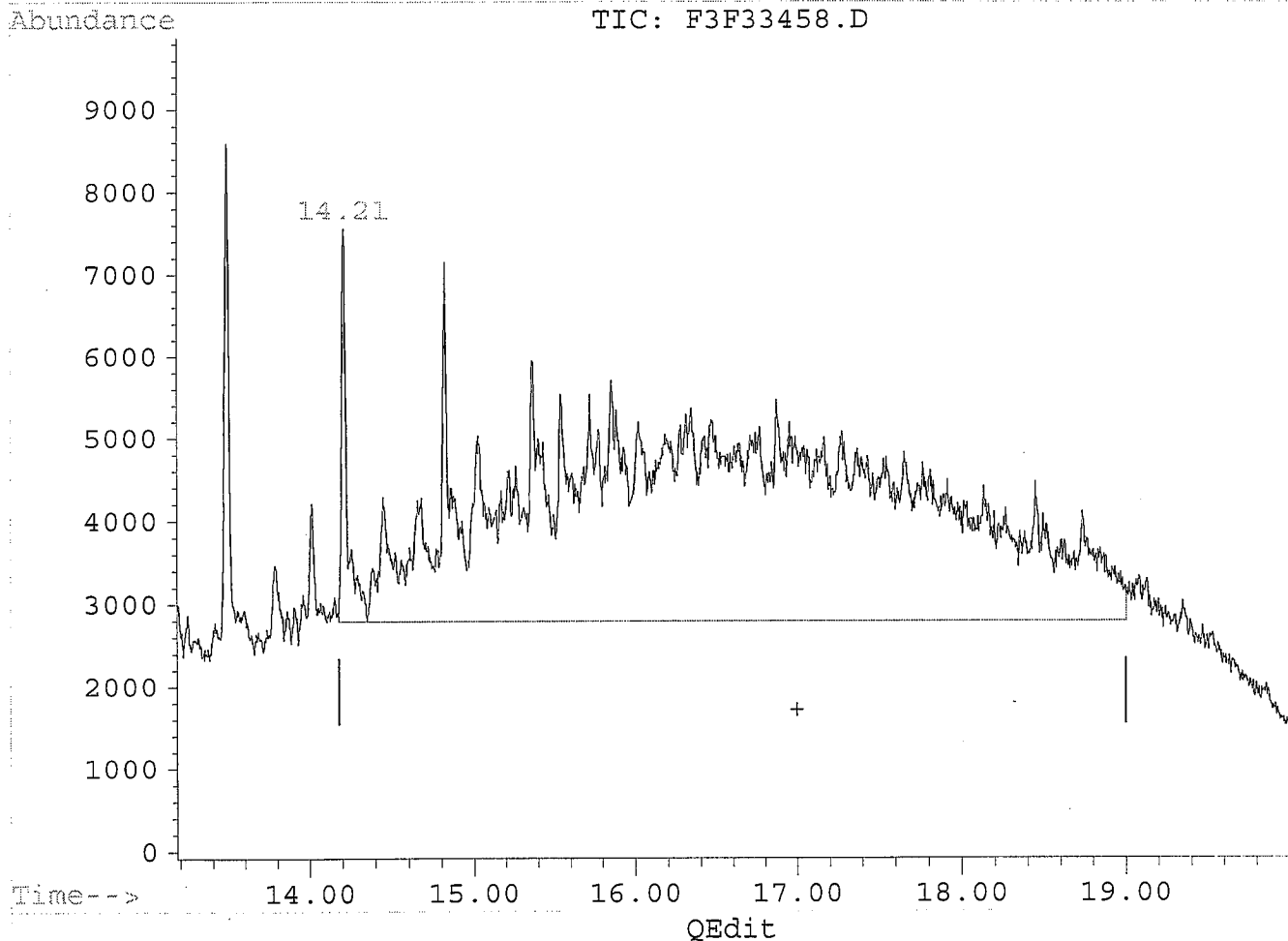
EB
2/19/09

Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33458.D
 Acq On : 18 Feb 09 03:26 PM
 Sample : 1000ug/mL DRO/MO CALUFT ICAL
 Misc : 200uL ST080822-4 + 800uL DCM
 Quant Time: Feb 19 11:50 19109

Vial: 5
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 11:49:59 2009
 Response via : Multiple Level Calibration



(2) Motor Oil (H)
 17.00min 348.84µg/ml m
 response 430488

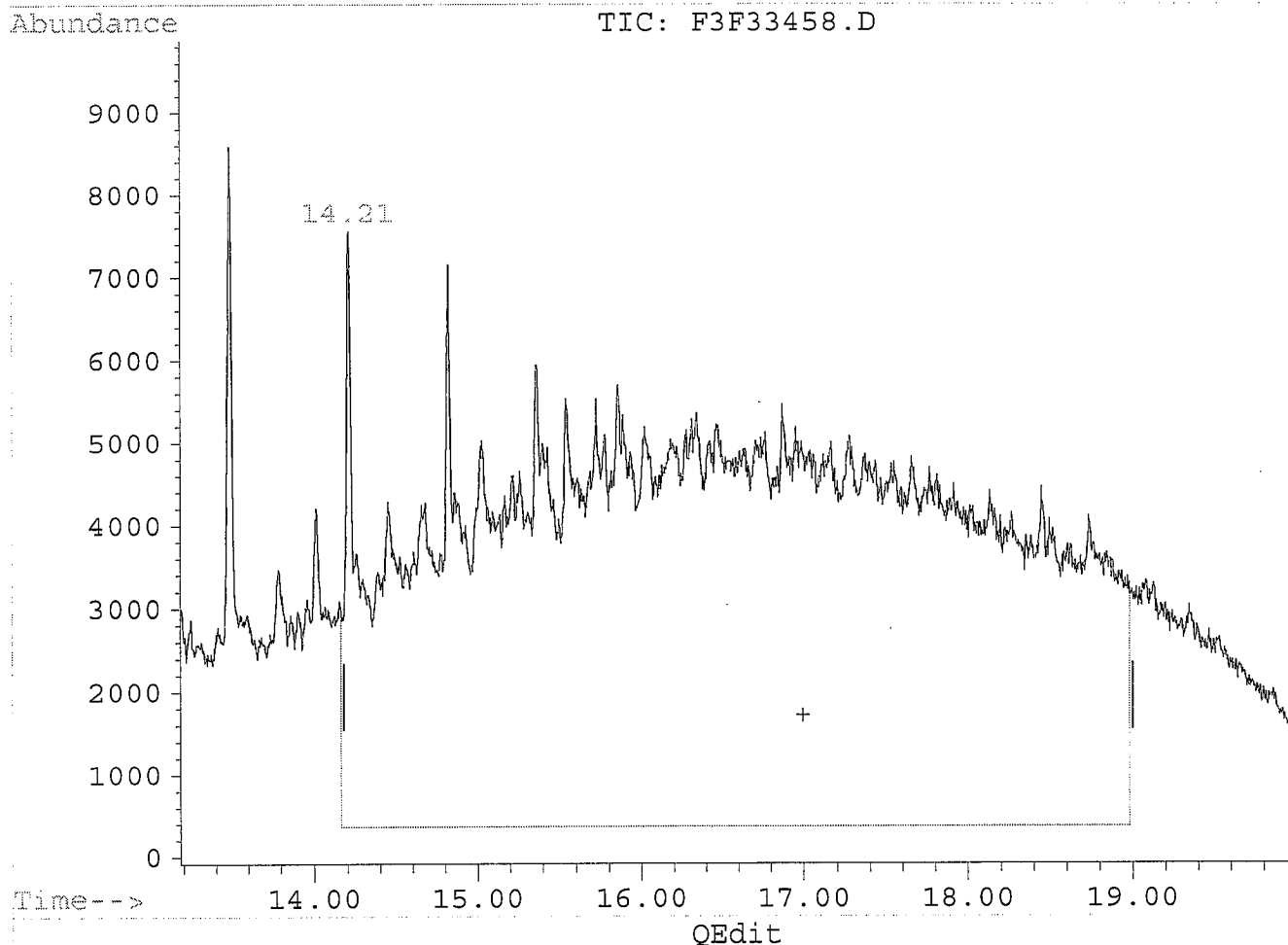
BEFORE

Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33458.D
 Acq On : 18 Feb 09 03:26 PM
 Sample : 1000ug/mL DRO/MO CALUFT ICAL
 Misc : 200uL ST080822-4 + 800uL DCM
 Quant Time: Feb 19 11:51 19109

Vial: 5
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 11:49:59 2009
 Response via : Multiple Level Calibration



(2) Motor Oil (H)
 17.00min 916.86µg/ml m
 response 1131448

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☒ under-integrated peak's area
- ☐ other _____

initials EB date 2/19/09

(+) = Expected Retention Time

F3F33458.D F021809.M Thu Feb 19 11:52:03 2009

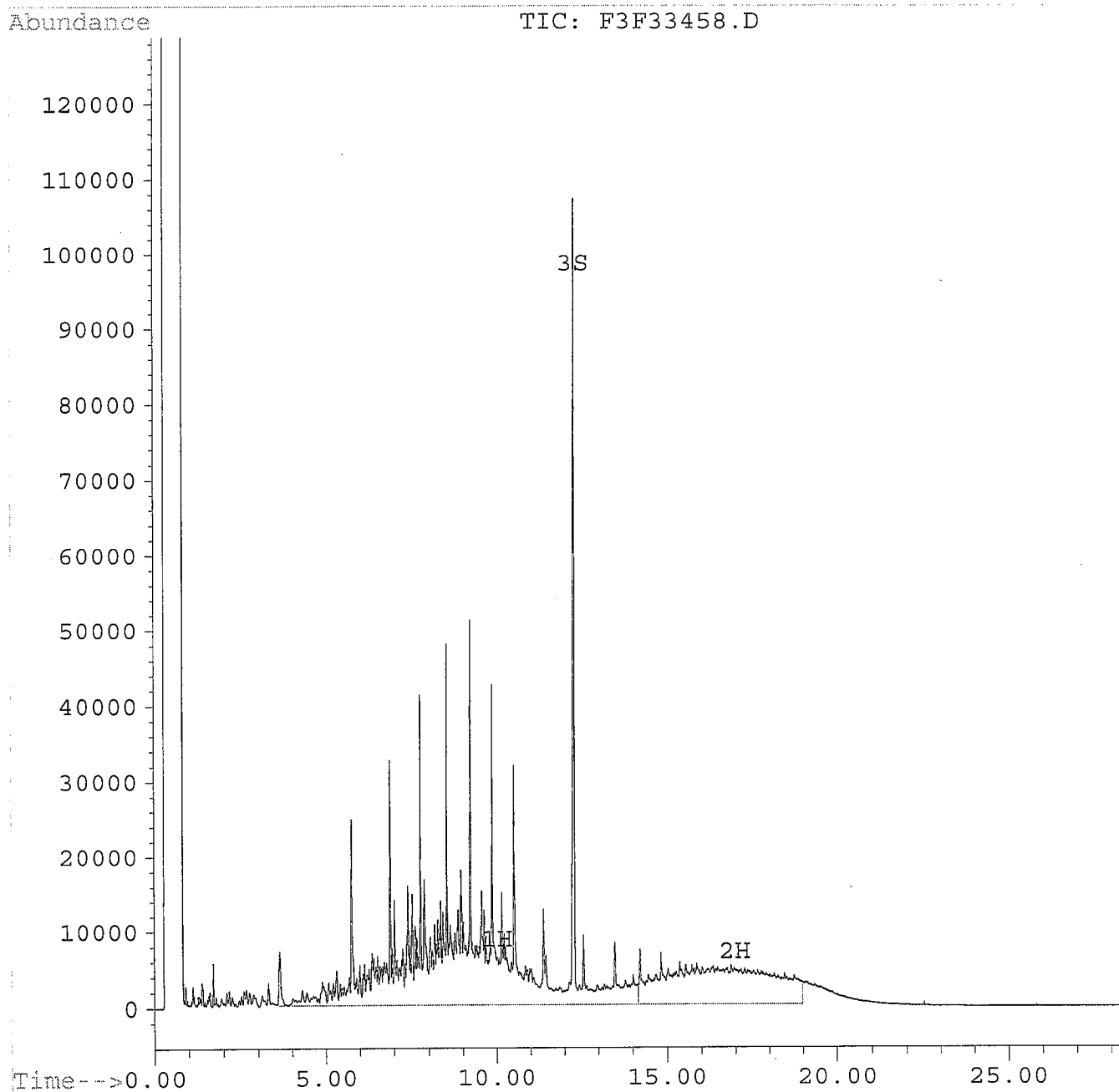
Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33458.D
 Acq On : 18 Feb 09 03:26 PM
 Sample : 1000ug/mL DRO/MO CALUFT ICAL
 Misc : 200uL ST080822-4 + 800uL DCM
 Quant Time: Feb 19 11:51 19109

Vial: 5
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 11:49:59 2009
 Response via : Multiple Level Calibration

Volume Inj. : 1uL
 Signal Phase : DB-5.625, 30m, 0.25mm 0.5µm
 Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33459.D
 Acq On : 18 Feb 09 04:03 PM
 Sample : 500ug/mL DRO/MO CALUFT ICAL
 Misc : 100uL ST080822-4 + 900uL DCM
 Quant Time: Feb 19 11:54 19109

Vial: 6
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 11:54:26 2009
 Response via : Multiple Level Calibration

Volume Inj. : 1uL
 Signal Phase : DB-5.625, 30m, 0.25mm 0.5µm
 Signal Info : FID

Compound	R.T.	Response	Conc Units

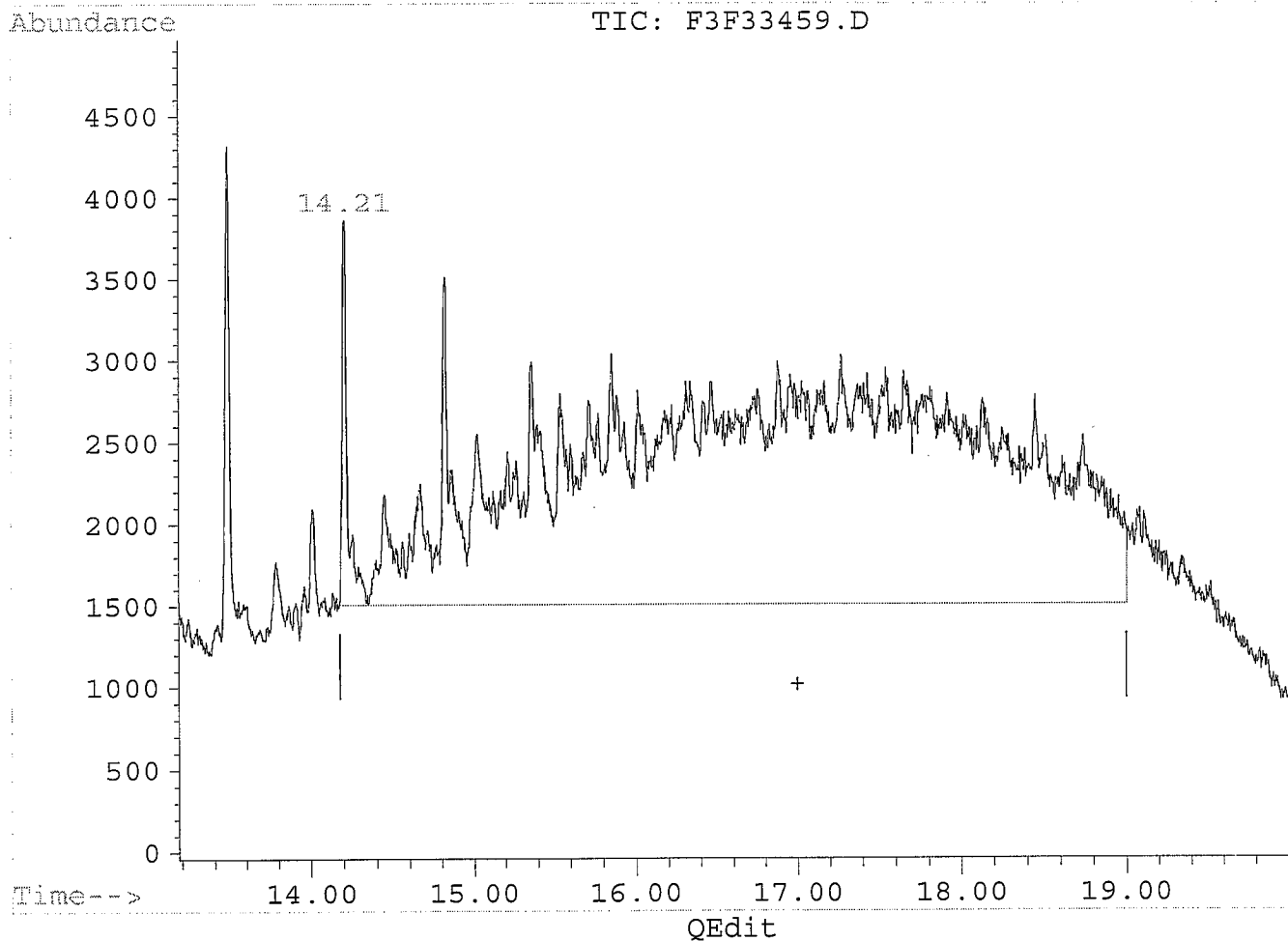
System Monitoring Compounds			
3) S o-terphenyl	12.28	152869	49.32 µg/ml
	Recovery	=	49.32%
Target Compounds			
1) H TEPH	10.00	1402942	472.86 µg/ml
2) H Motor Oil	17.00	643428	521.33 µg/ml

Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33459.D
 Acq On : 18 Feb 09 04:03 PM
 Sample : 500ug/mL DRO/MO CALUFT ICAL
 Misc : 100uL ST080822-4 + 900uL DCM
 Quant Time: Feb 19 11:52 19109

Vial: 6
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 11:52:46 2009
 Response via : Multiple Level Calibration



(2) Motor Oil (H)
 17.00min 212.48µg/ml m
 response 262248

BEFORE

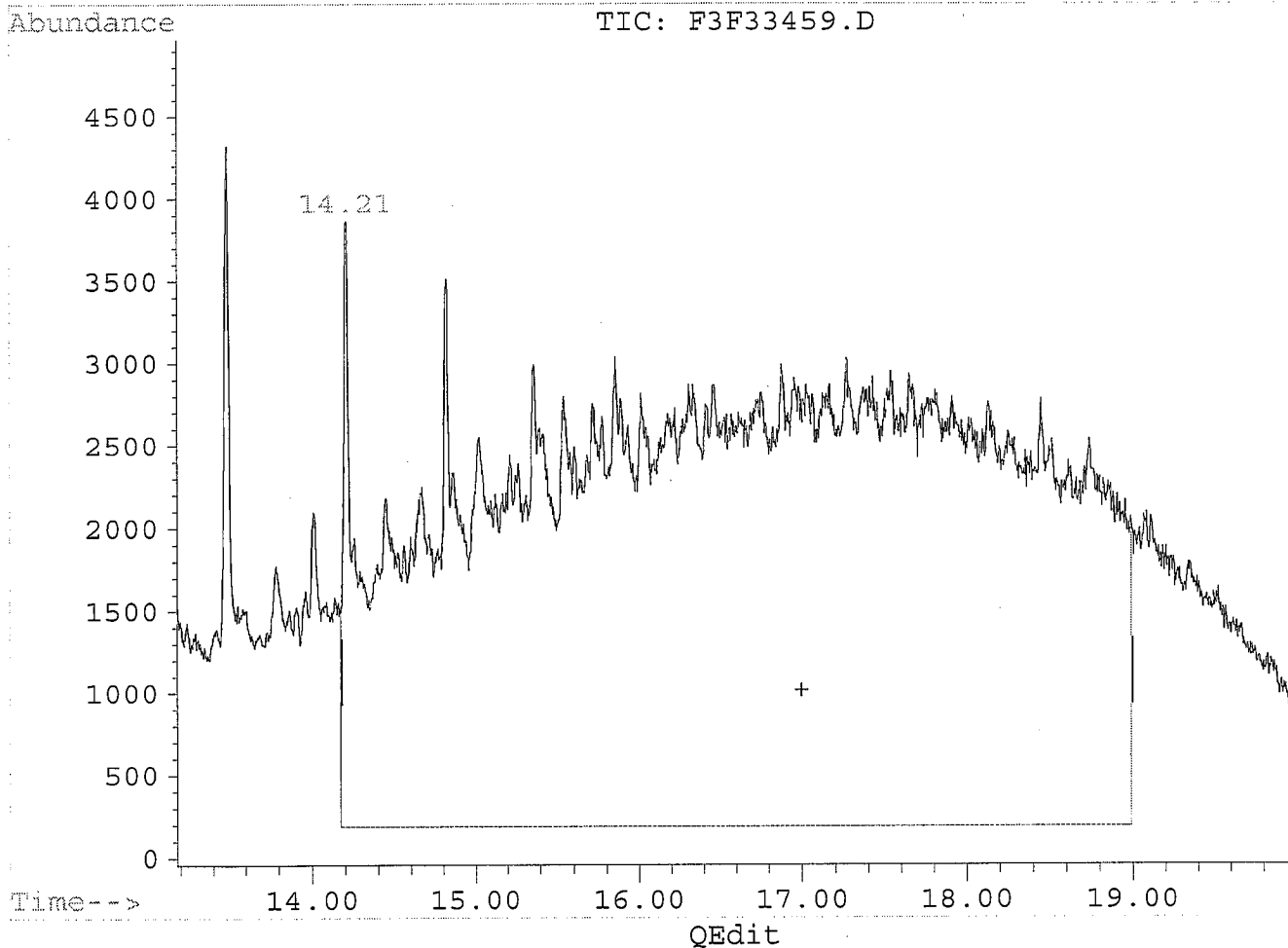
(+) = Expected Retention Time
 F3F33459.D F021809.M Thu Feb 19 11:53:44 2009

Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33459.D
 Acq On : 18 Feb 09 04:03 PM
 Sample : 500ug/mL DRO/MO CALUFT ICAL
 Misc : 100uL ST080822-4 + 900uL DCM
 Quant Time: Feb 19 11:54 19109

Vial: 6
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 11:52:46 2009
 Response via : Multiple Level Calibration



(2) Motor Oil (H)
 17.00min 521.33µg/ml m
 response 643428

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☒ under-integrated peak's area
- ☐ other

initials EB date 2/19/09

(+) = Expected Retention Time
 F3F33459.D F021809.M Thu Feb 19 11:54:13 2009

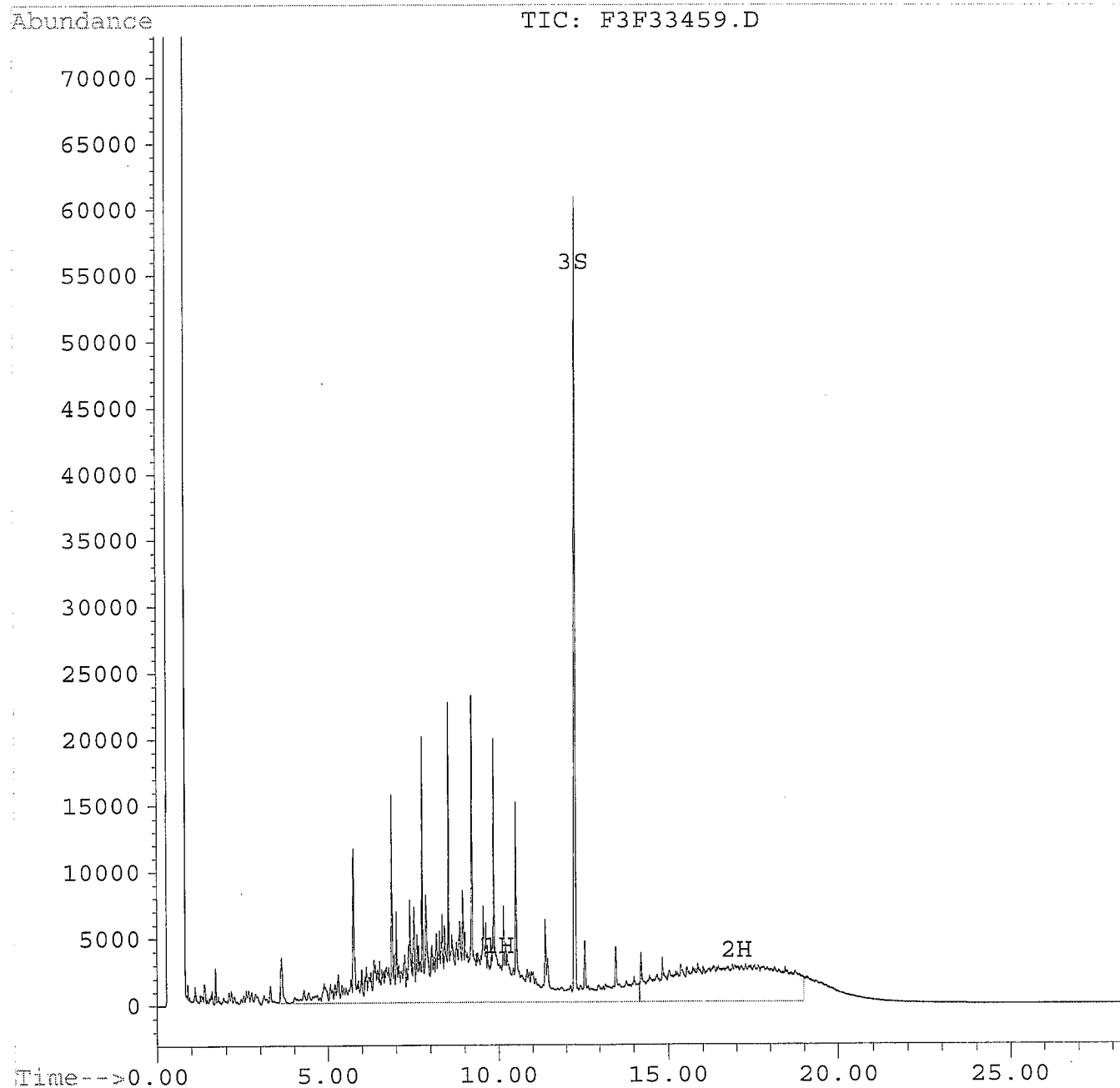
Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33459.D
 Acq On : 18 Feb 09 04:03 PM
 Sample : 500ug/mL DRO/MO CALUFT ICAL
 Misc : 100uL ST080822-4 + 900uL DCM
 Quant Time: Feb 19 11:54 19109

Vial: 6
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 11:54:26 2009
 Response via : Multiple Level Calibration

Volume Inj. : 1uL
 Signal Phase : DB-5.625, 30m, 0.25mm 0.5µm
 Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33460.D
Acq On : 18 Feb 09 04:40 PM
Sample : 100ug/mL DRO/MO CALUFT ICAL
Misc : 20uL ST080822-4 + 980uL DCM
Quant Time: Feb 19 11:56 19109

Vial: 7
Operator: edb
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
Title : 8015Bmod, CALuft
Last Update : Thu Feb 19 11:54:46 2009
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units

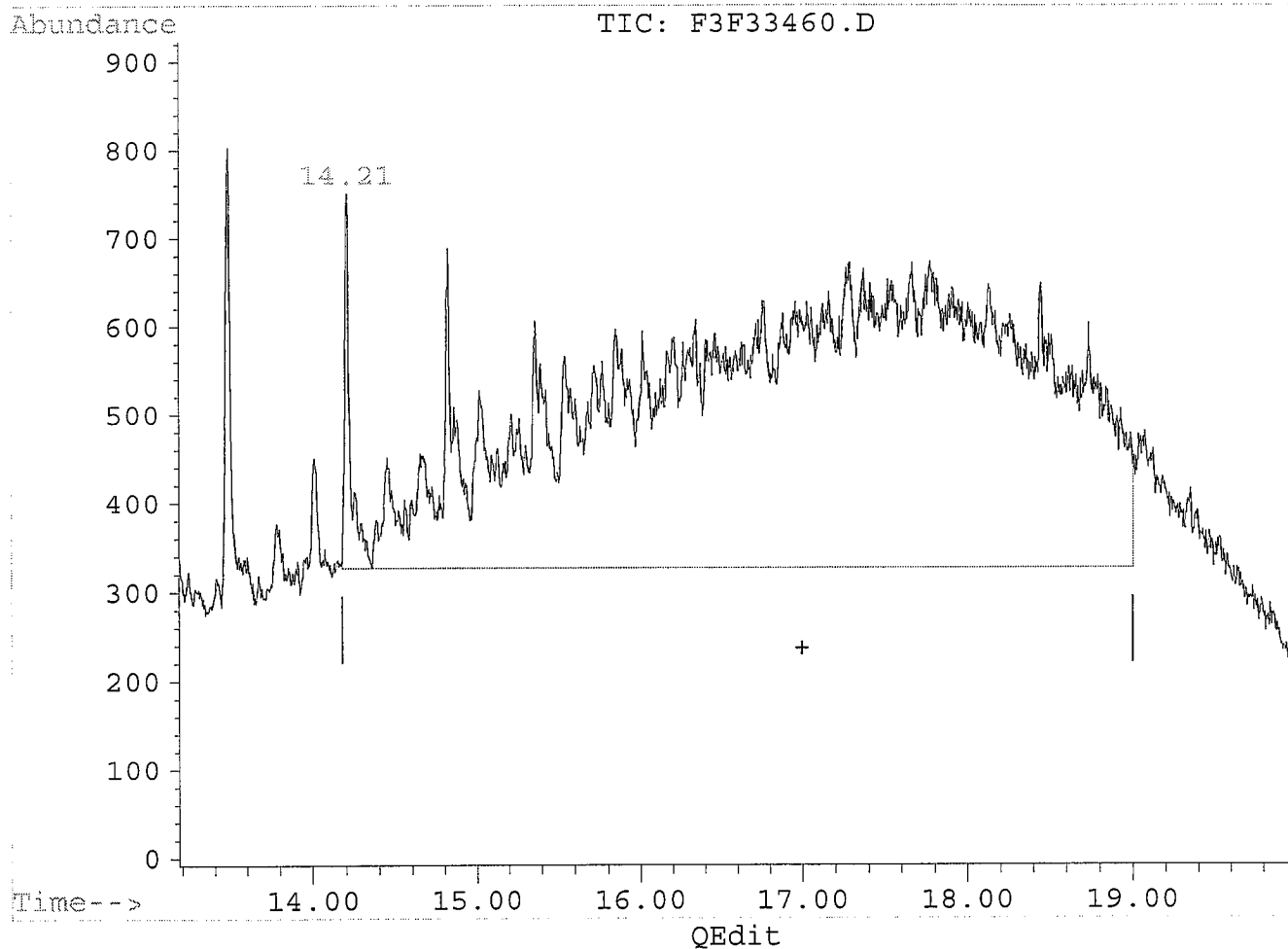
System Monitoring Compounds			
3) S o-terphenyl	12.26	30131	9.72 µg/ml
	Recovery	=	9.72%
Target Compounds			
1) H TEPH	10.00	289452	97.56 µg/ml
2) H Motor Oil	17.00	136157	110.38 µg/ml

Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33460.D
 Acq On : 18 Feb 09 04:40 PM
 Sample : 100ug/mL DRO/MO CALUFT ICAL
 Misc : 20uL ST080822-4 + 980uL DCM
 Quant Time: Feb 19 11:55 19109

Vial: 7
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 11:54:46 2009
 Response via : Multiple Level Calibration



(2) Motor Oil (H)
 17.00min 48.15µg/ml m
 response 59399

BEFORE

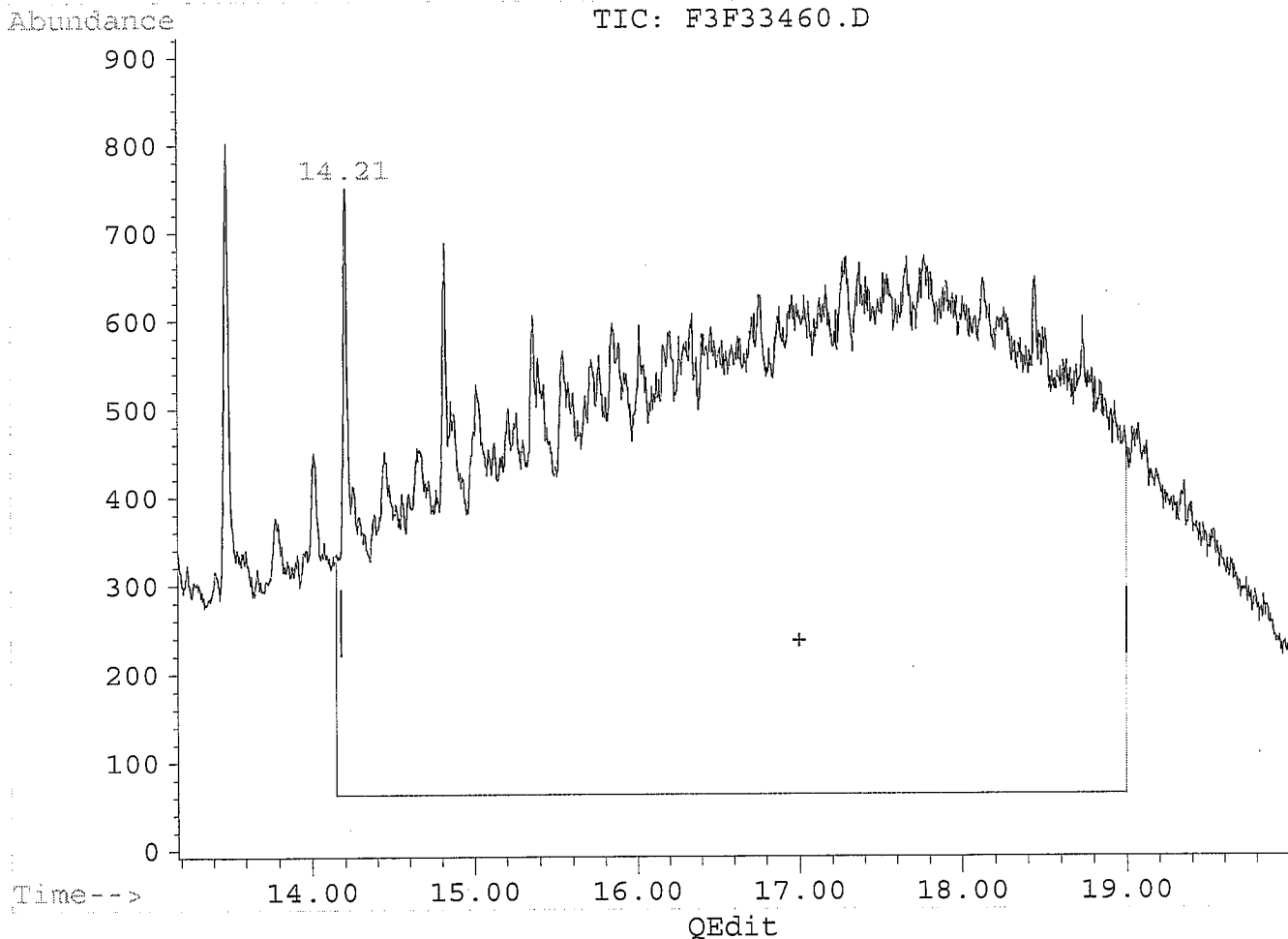
(+) = Expected Retention Time
 F3F33460.D F021809.M Thu Feb 19 11:55:44 2009

Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33460.D
 Acq On : 18 Feb 09 04:40 PM
 Sample : 100ug/mL DRO/MO CALUFT ICAL
 Misc : 20uL ST080822-4 + 980uL DCM
 Quant Time: Feb 19 11:56 19109

Vial: 7
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 11:54:46 2009
 Response via : Multiple Level Calibration



(2) Motor Oil (H)
 17.00min 110.38µg/ml m
 response 136157

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☒ under-integrated peak's area
- ☐ other _____

initials EB date 2/19/09

(+) = Expected Retention Time
 F3F33460.D F021809.M Thu Feb 19 11:56:23 2009

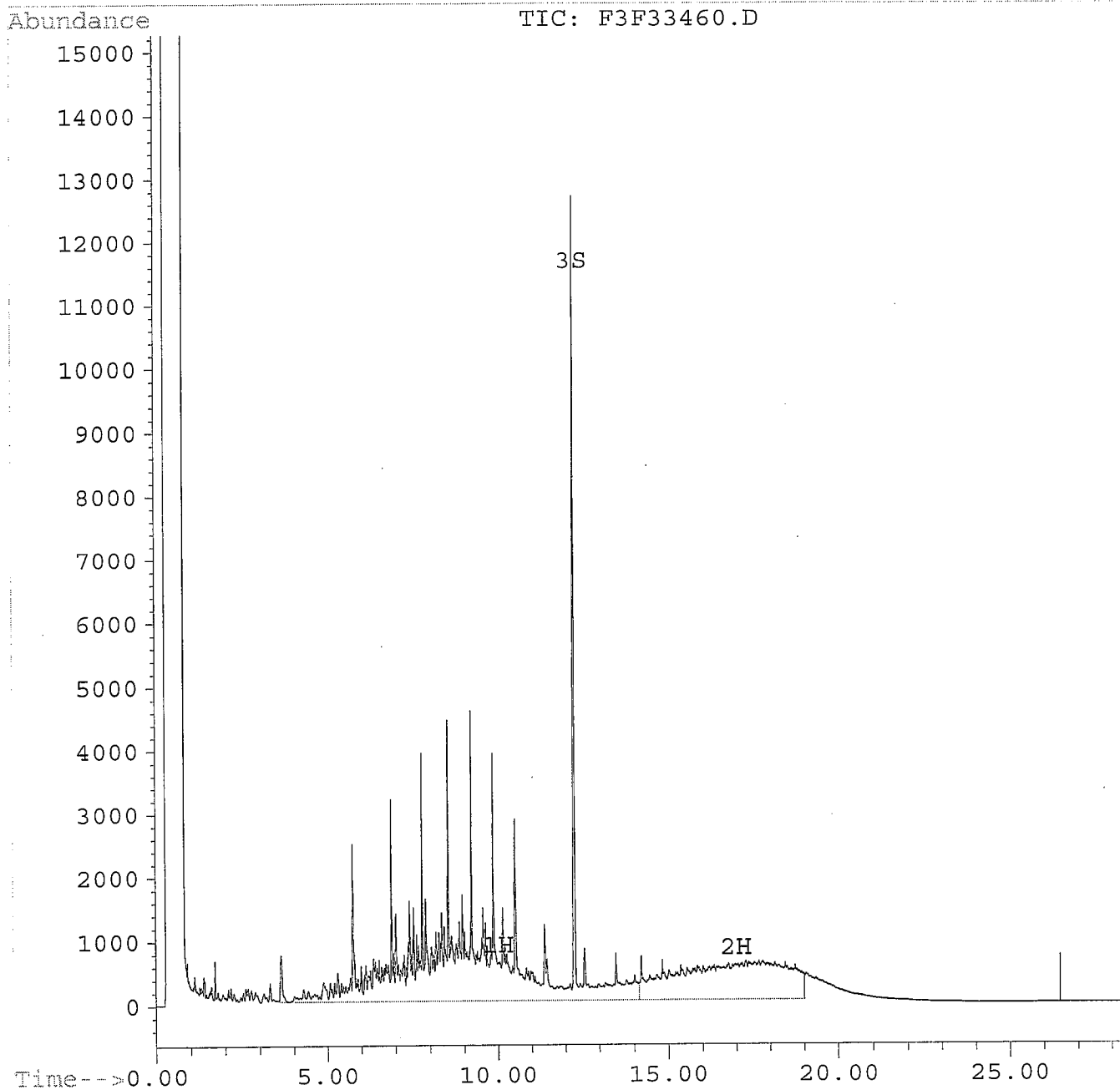
Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33460.D
 Acq On : 18 Feb 09 04:40 PM
 Sample : 100ug/mL DRO/MO CALUFT ICAL
 Misc : 20uL ST080822-4 + 980uL DCM
 Quant Time: Feb 19 11:56 19109

Vial: 7
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 11:54:46 2009
 Response via : Multiple Level Calibration

Volume Inj. : 1uL
 Signal Phase : DB-5.625, 30m, 0.25mm 0.5 μ m
 Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33461.D
 Acq On : 18 Feb 09 05:17 PM
 Sample : 40ug/mL DRO/MO CALUFT ICAL
 Misc : 8uL ST080822-4 + 992uL DCM
 Quant Time: Feb 19 12:06 19109

Vial: 8
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 11:56:39 2009
 Response via : Multiple Level Calibration

Volume Inj. : 1uL
 Signal Phase : DB-5.625, 30m, 0.25mm 0.5µm
 Signal Info : FID

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
3) S o-terphenyl	12.26	11208	3.62 µg/ml
	Recovery	=	3.62%
Target Compounds			
1) H TEPH	10.00	115234	38.84 µg/ml
2) H Motor Oil	17.00	50033	40.57 µg/ml

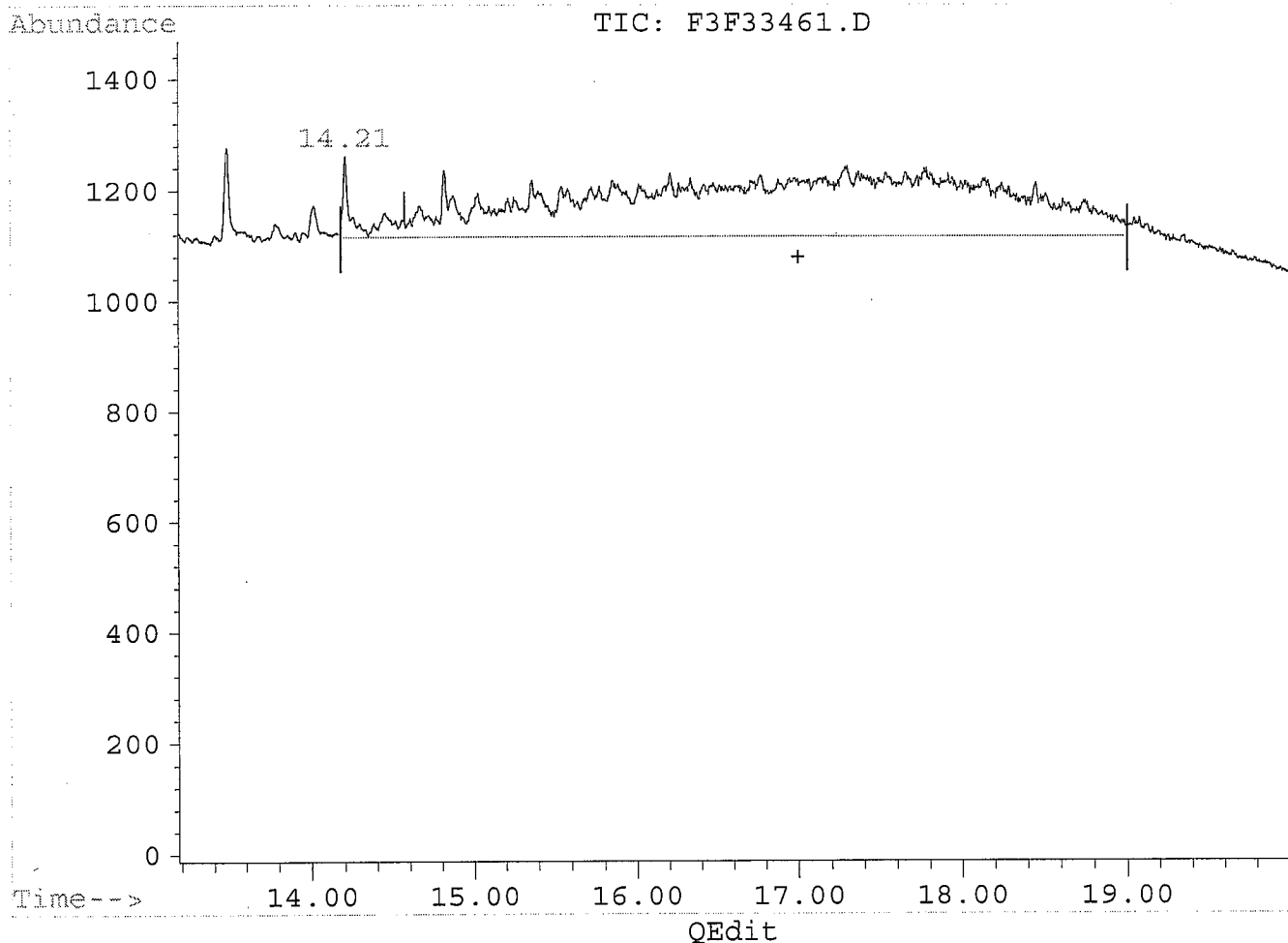
EB
2/19/09

Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33461.D
 Acq On : 18 Feb 09 05:17 PM
 Sample : 40ug/mL DRO/MO CALUFT ICAL
 Misc : 8uL ST080822-4 + 992uL DCM
 Quant Time: Feb 19 11:57 19109

Vial: 8
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 11:56:39 2009
 Response via : Multiple Level Calibration



(2) Motor Oil (H)
 17.00min 16.86µg/ml m
 response 20787

BEFORE

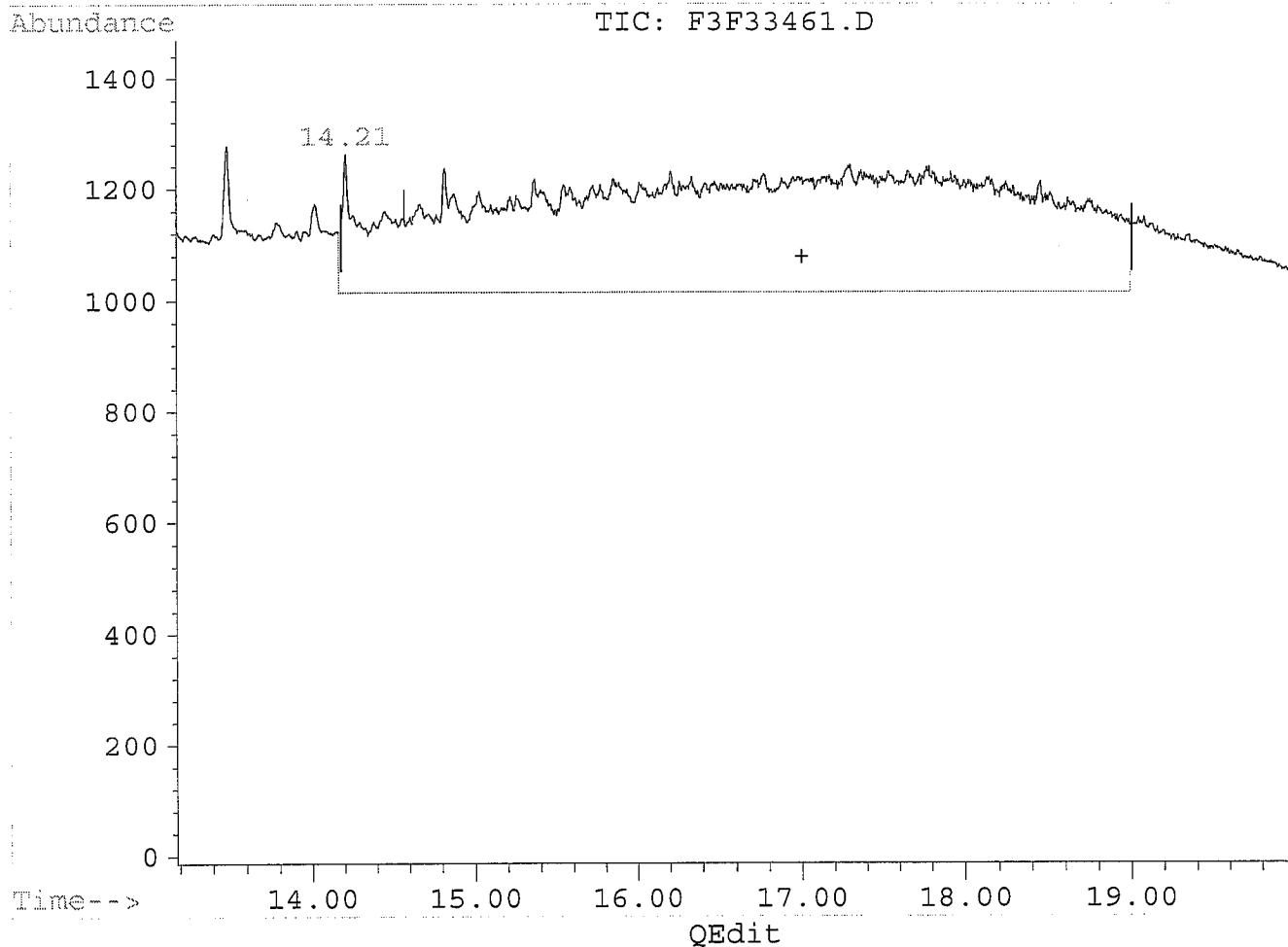
(+) = Expected Retention Time
 F3F33461.D F021809.M Thu Feb 19 12:06:30 2009

Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33461.D
 Acq On : 18 Feb 09 05:17 PM
 Sample : 40ug/mL DRO/MO CALUFT ICAL
 Misc : 8uL ST080822-4 + 992uL DCM
 Quant Time: Feb 19 12:06 19109

Vial: 8
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 11:56:39 2009
 Response via : Multiple Level Calibration



(2) Motor Oil (H)
 17.00min 40.57µg/ml m
 response 50033

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☒ under-integrated peak's area
- ☐ other _____

initials EB date 2/19/09

(+) = Expected Retention Time
 F3F33461.D F021809.M Thu Feb 19 12:06:59 2009

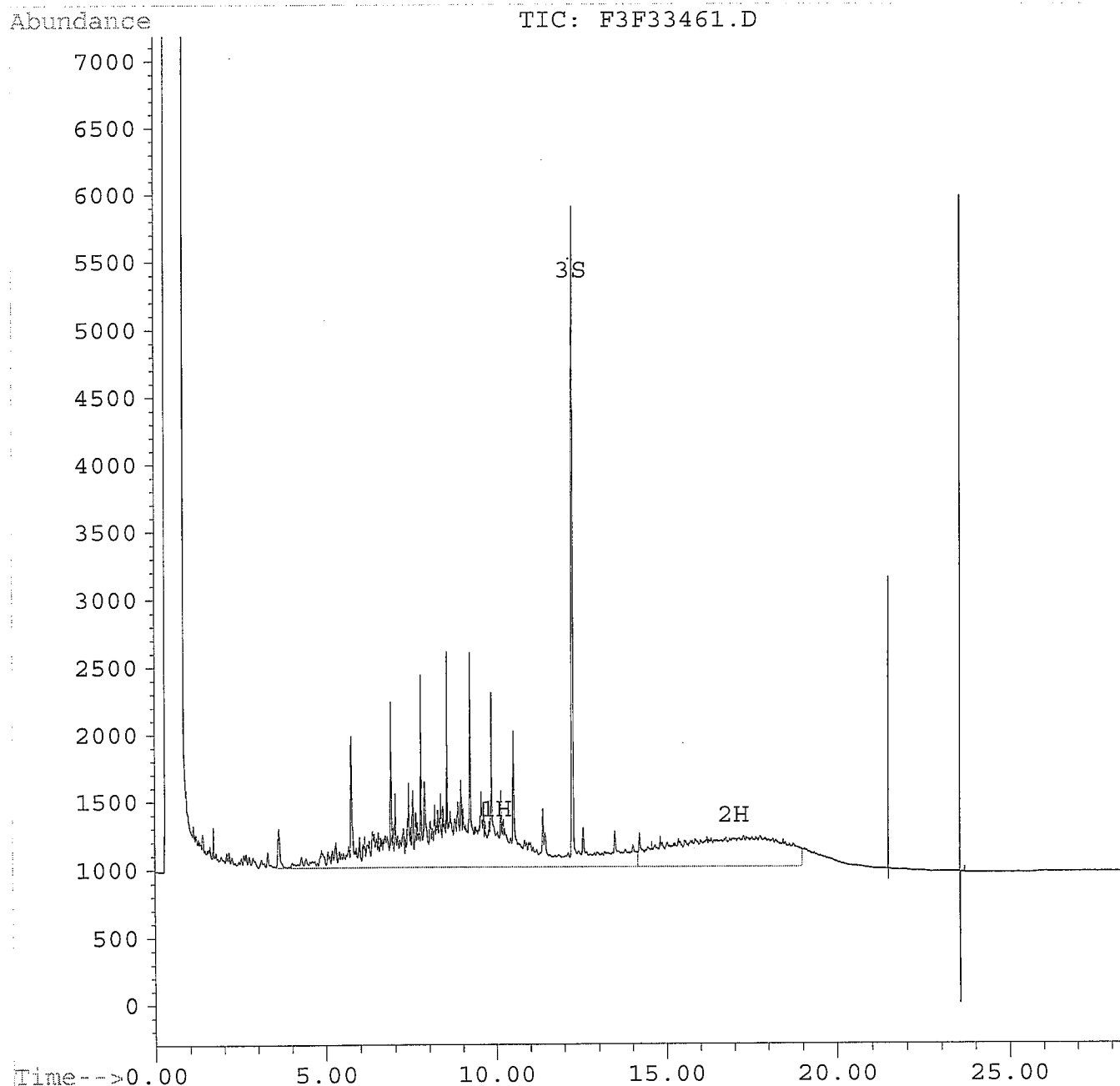
Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33461.D
Acq On : 18 Feb 09 05:17 PM
Sample : 40ug/mL DRO/MO CALUFT ICAL
Misc : 8uL ST080822-4 + 992uL DCM
Quant Time: Feb 19 12:06 19109

Vial: 8
Operator: edb
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
Title : 8015Bmod, CALuft
Last Update : Thu Feb 19 11:56:39 2009
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm 0.5 μ m
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33462.D
 Acq On : 18 Feb 09 05:54 PM
 Sample : 20ug/mL DRO/MO CALUFT ICAL
 Misc : 4uL ST080822-4 + 998uL DCM
 Quant Time: Feb 19 12:08 19109

Vial: 9
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 12:08:06 2009
 Response via : Multiple Level Calibration

Volume Inj. : 1uL
 Signal Phase : DB-5.625, 30m, 0.25mm 0.5µm
 Signal Info : FID

Compound	R.T.	Response	Conc Units

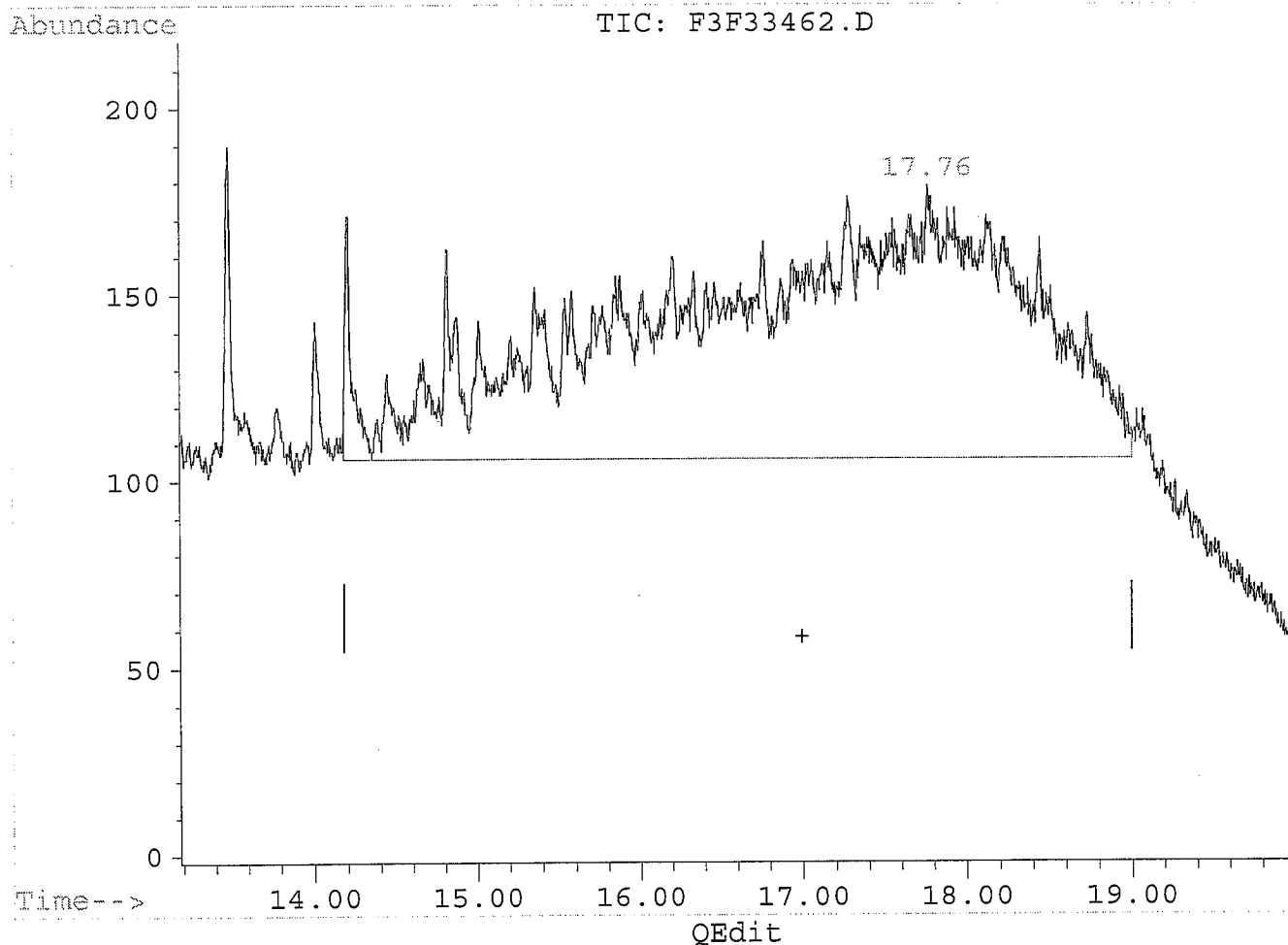
System Monitoring Compounds			
3) S o-terphenyl	12.25	6620	2.14 µg/ml
	Recovery	=	2.14%
Target Compounds			
1) H TEPH	10.00	65820	22.18 µg/ml
2) H Motor Oil	17.00	27063	21.89 µg/ml

Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33462.D
Acq On : 18 Feb 09 05:54 PM
Sample : 20ug/mL DRO/MO CALUFT ICAL
Misc : 4uL ST080822-4 + 998uL DCM
Quant Time: Feb 19 12:08 19109

Vial: 9
Operator: edb
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
Title : 8015Bmod, CALuft
Last Update : Thu Feb 19 12:08:06 2009
Response via : Multiple Level Calibration



(2) Motor Oil (H)
17.00min 8.54 μ g/mL m
response 10555

BEFORE

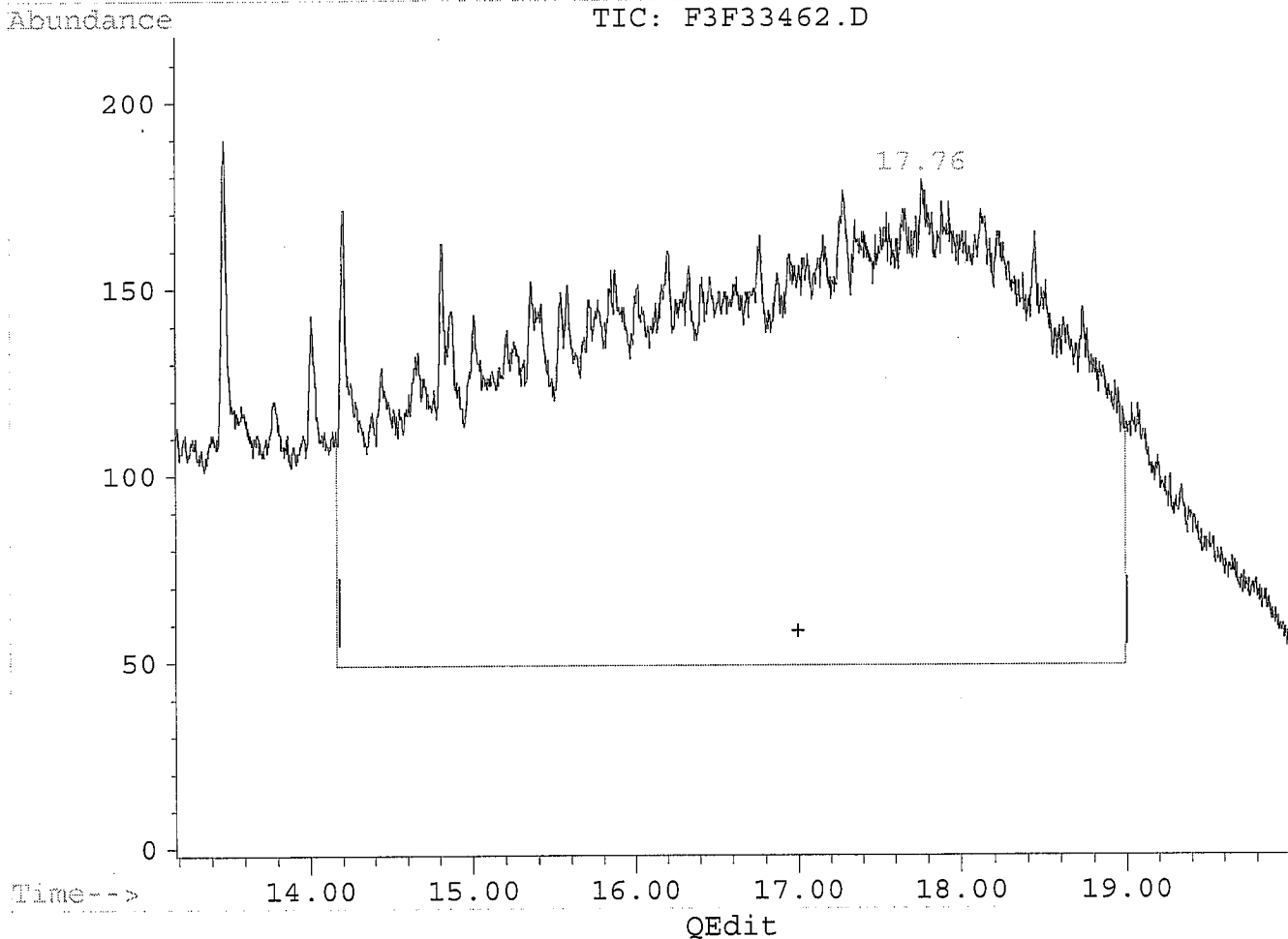
(+) = Expected Retention Time
F3F33462.D F021809.M Thu Feb 19 12:08:38 2009

Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33462.D
 Acq On : 18 Feb 09 05:54 PM
 Sample : 20ug/mL DRO/MO CALUFT ICAL
 Misc : 4uL ST080822-4 + 998uL DCM
 Quant Time: Feb 19 12:08 19109

Vial: 9
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 12:08:06 2009
 Response via : Multiple Level Calibration



(2) Motor Oil (H)
 17.00min 21.89µg/ml m
 response 27063

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☒ under-integrated peak's area
- ☐ other

initials EB date 2/19/09

(+) = Expected Retention Time
 F3F33462.D F021809.M Thu Feb 19 12:08:50 2009

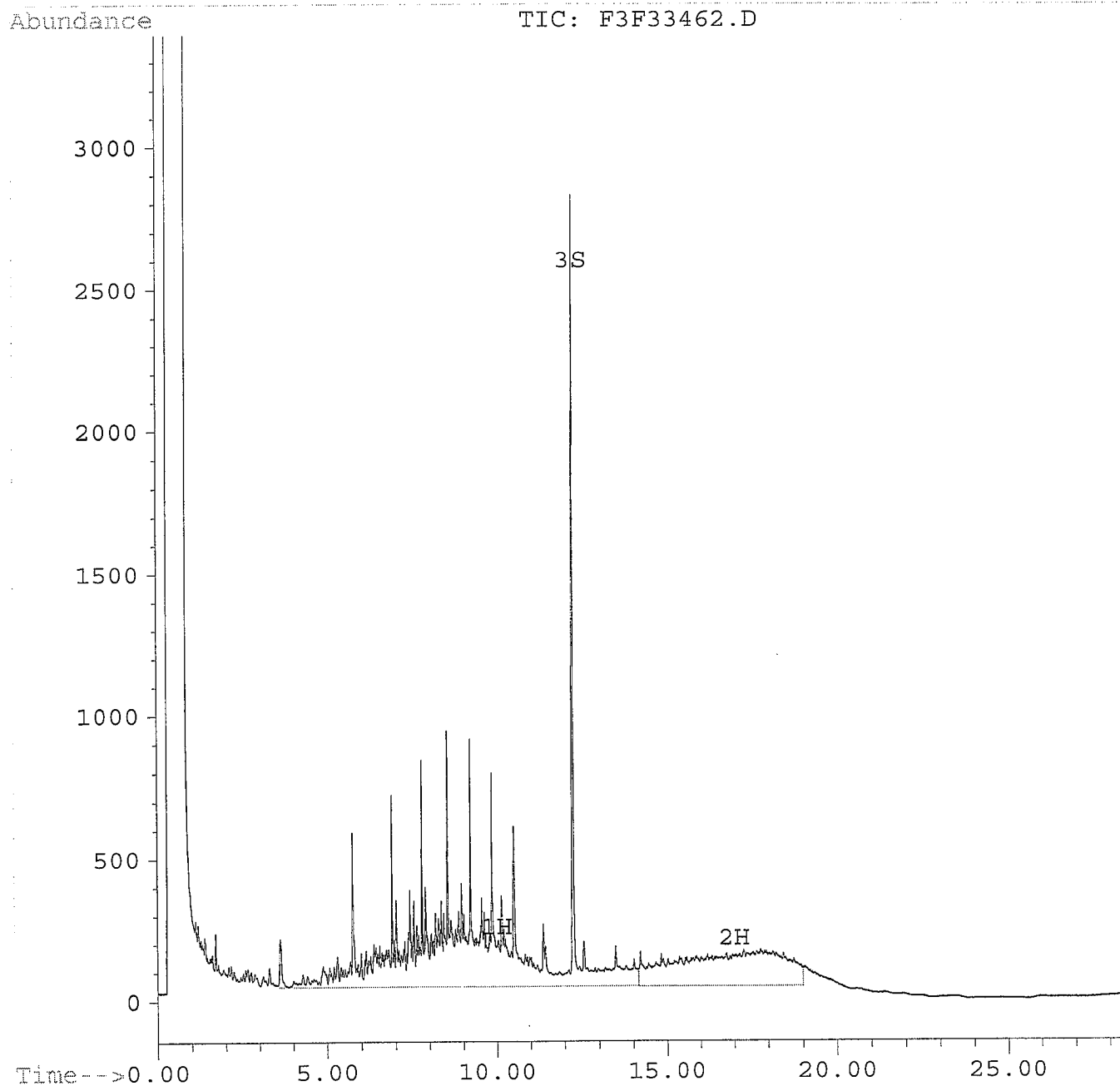
Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33462.D
 Acq On : 18 Feb 09 05:54 PM
 Sample : 20ug/mL DRO/MO CALUFT ICAL
 Misc : 4uL ST080822-4 + 998uL DCM
 Quant Time: Feb 19 12:08 19109

Vial: 9
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 12:08:06 2009
 Response via : Multiple Level Calibration

Volume Inj. : 1uL
 Signal Phase : DB-5.625, 30m, 0.25mm 0.5µm
 Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33463.D Vial: 10
 Acq On : 18 Feb 09 06:31 PM Operator: edb
 Sample : 500ug/mL DRO/MO CALUFT ICV Inst : FUELS3
 Misc : 100uL ST081112-6 + 500uL ST080830-2 + 40 Multiplr: 1.00
 Quant Time: Feb 19 12:11 19109

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 12:09:03 2009
 Response via : Multiple Level Calibration

Volume Inj. : 1uL
 Signal Phase : DB-5.625, 30m, 0.25mm 0.5µm
 Signal Info : FID

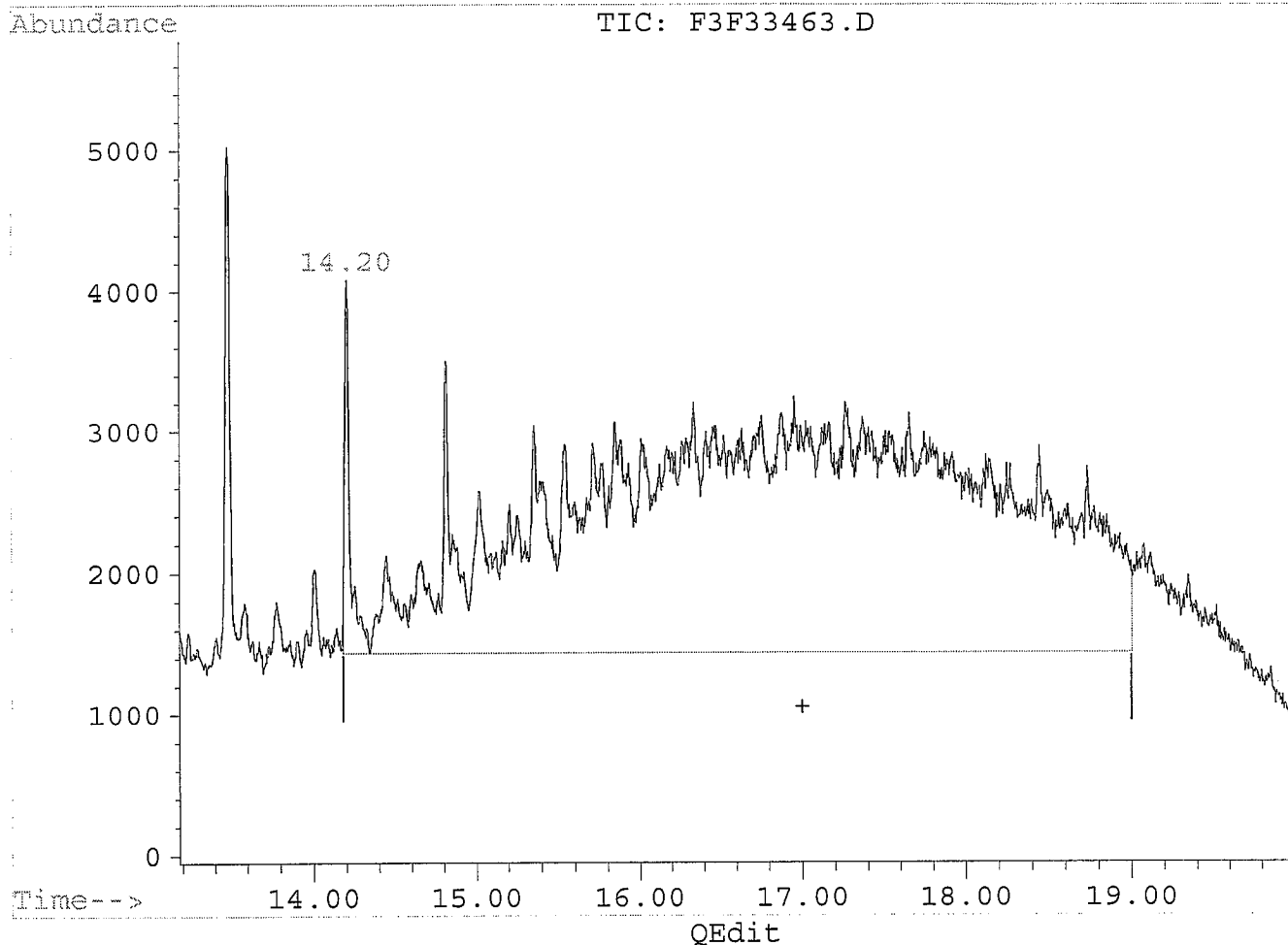
Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
3) S o-terphenyl	0.00	0	N.D. µg/ml
	Recovery	=	0.00%
Target Compounds			
1) H TEPH	10.00	1532766	516.62 µg/ml
2) H Motor Oil	17.00	686831	555.60 µg/ml

Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33463.D Vial: 10
 Acq On : 18 Feb 09 06:31 PM Operator: edb
 Sample : 500ug/mL DRO/MO CALUFT ICV Inst : FUELS3
 Misc : 100uL ST081112-6 + 500uL ST080830-2 + 40 Multiplr: 1.00
 Quant Time: Feb 19 12:10 19109

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 12:09:03 2009
 Response via : Multiple Level Calibration



(2) Motor Oil (H)
 17.00min 253.26µg/ml m
 response 313088

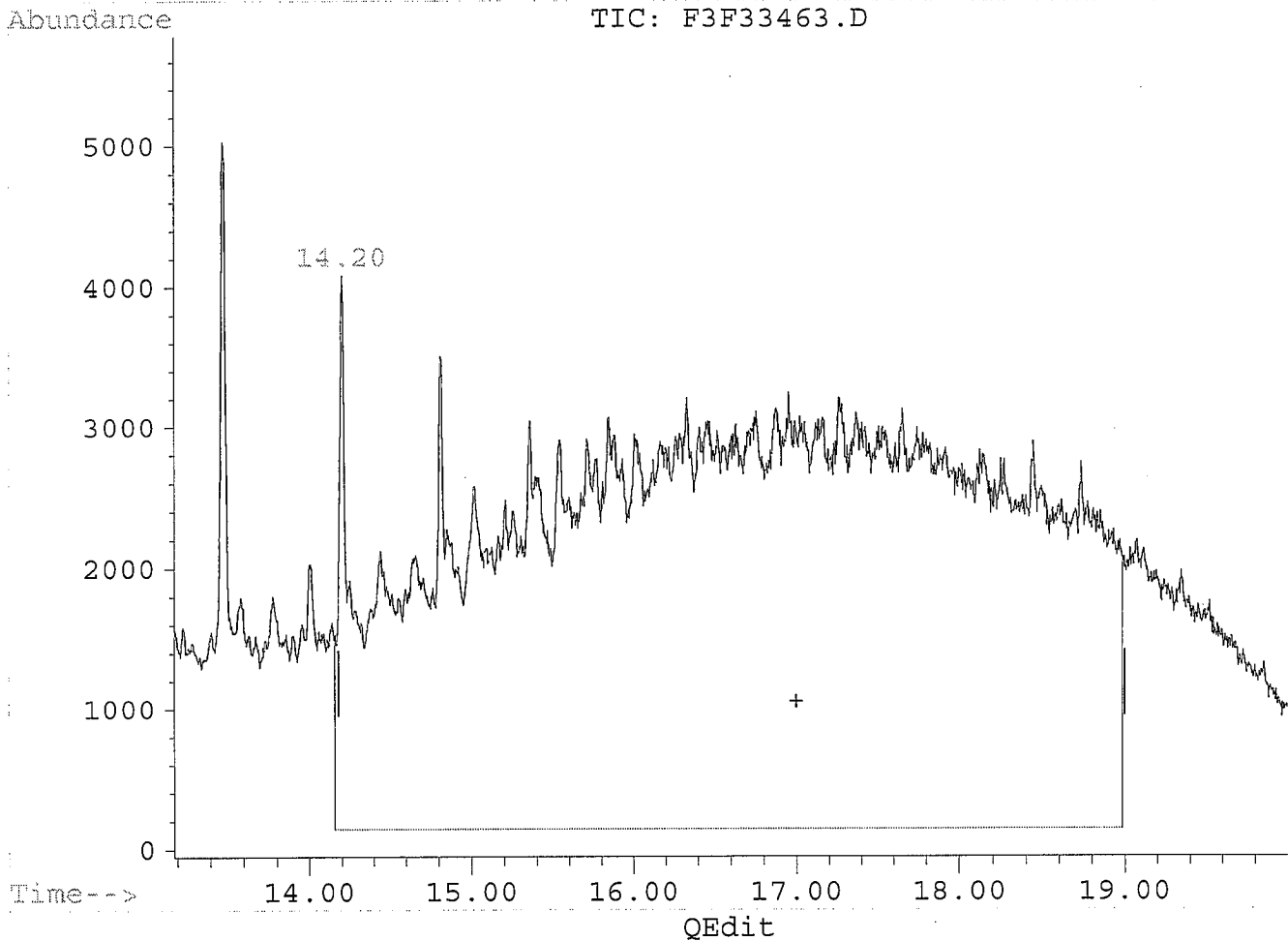
BEFORE

(+) = Expected Retention Time
 F3F33463.D F021809.M Thu Feb 19 12:11:13 2009

Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33463.D Vial: 10
 Acq On : 18 Feb 09 06:31 PM Operator: edb
 Sample : 500ug/mL DRO/MO CALUFT ICV Inst : FUELS3
 Misc : 100uL ST081112-6 + 500uL ST080830-2 + 40 Multiplr: 1.00
 Quant Time: Feb 19 12:11 19109

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 12:09:03 2009
 Response via : Multiple Level Calibration



(2) Motor Oil (H)
 17.00min 555.60µg/ml m
 response 686831

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☒ under-integrated peak's area
- ☐ other _____

initials EB date 2/19/09

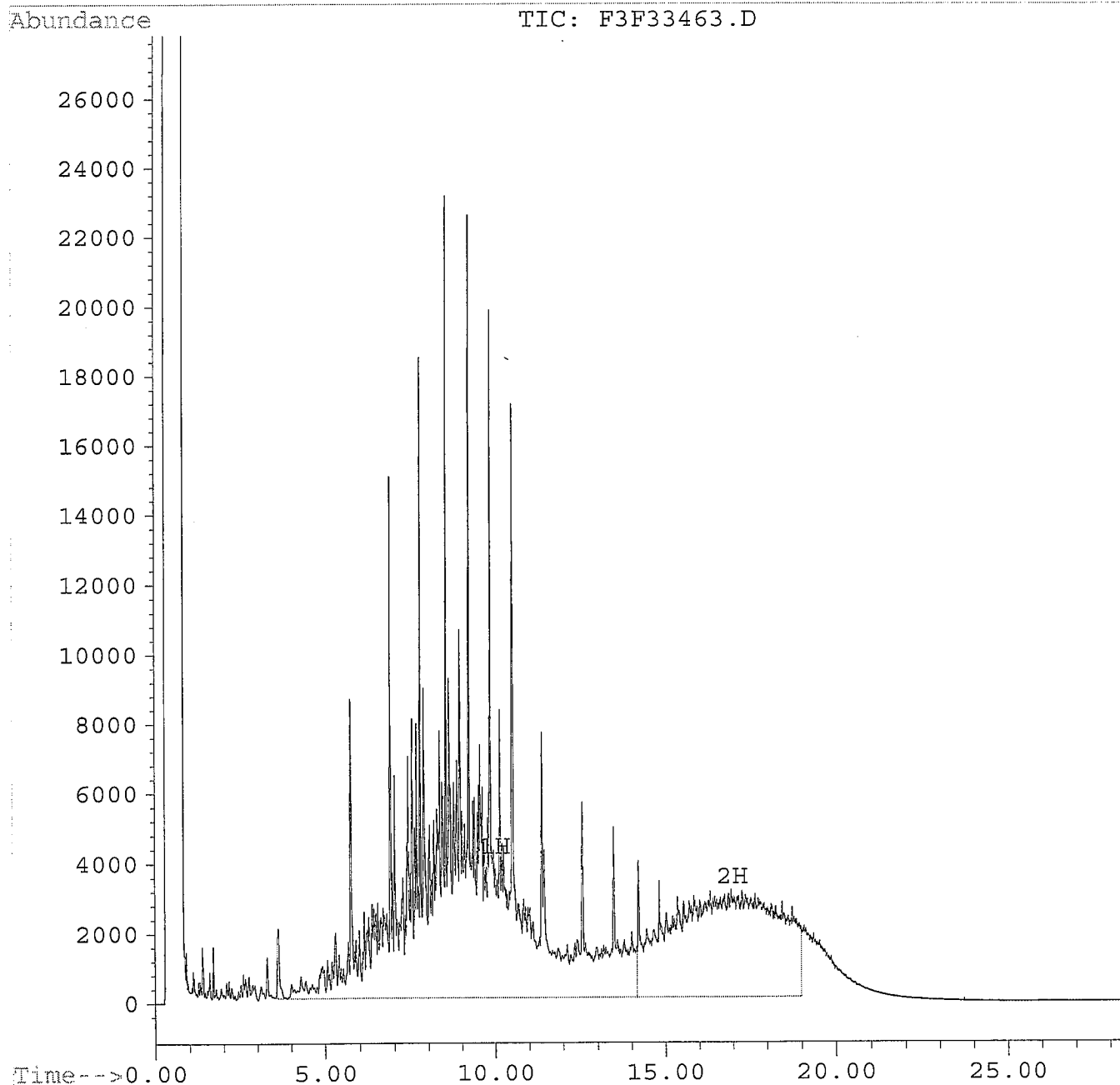
(+) = Expected Retention Time
 F3F33463.D F021809.M Thu Feb 19 12:11:58 2009

Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33463.D Vial: 10
 Acq On : 18 Feb 09 06:31 PM Operator: edb
 Sample : 500ug/mL DRO/MO CALUFT ICV Inst : FUELS3
 Misc : 100uL ST081112-6 + 500uL ST080830-2 + 40 Multiplr: 1.00
 Quant Time: Feb 19 12:11 19109

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 12:09:03 2009
 Response via : Multiple Level Calibration

Volume Inj. : 1uL
 Signal Phase : DB-5.625, 30m, 0.25mm 0.5μm
 Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33472.D
 Acq On : 19 Feb 09 00:03 AM
 Sample : 1000ug/mL DRO/MO CALUFT CCV1
 Misc :
 Quant Time: Feb 19 12:25 19109

Vial: 19
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 12:09:03 2009
 Response via : Multiple Level Calibration

Volume Inj. : 1uL
 Signal Phase : DB-5.625, 30m, 0.25mm 0.5µm
 Signal Info : FID

Compound	R.T.	Response	Conc Units

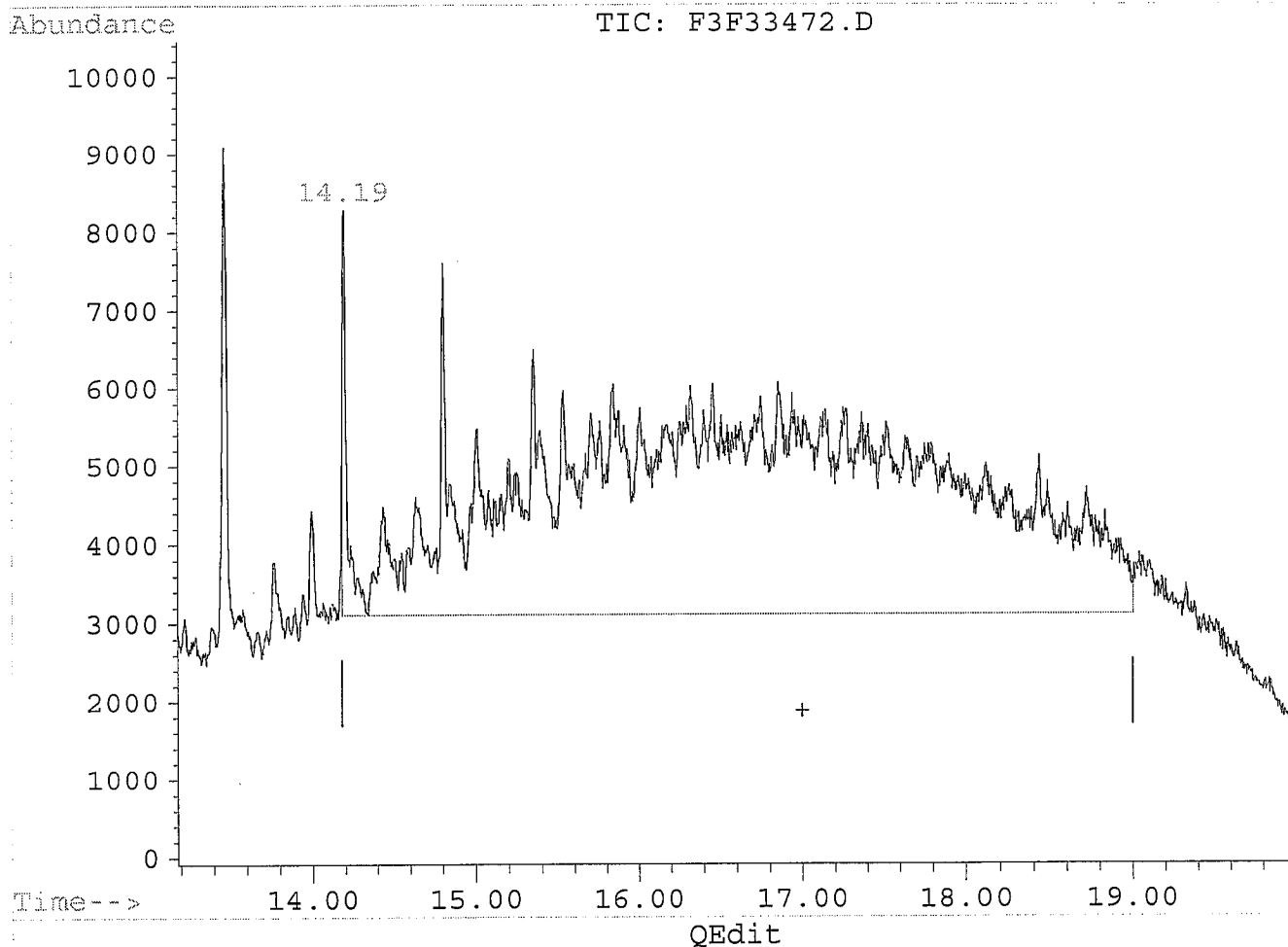
System Monitoring Compounds			
3) S o-terphenyl	12.28	324002	104.53 µg/ml
	Recovery	=	104.53%
Target Compounds			
1) H TEPH	10.00	3058074	1030.73 µg/ml
2) H Motor Oil	17.00	1279755	1035.23 µg/ml

Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33472.D
 Acq On : 19 Feb 09 00:03 AM
 Sample : 1000ug/mL DRO/MO CALUFT CCV1
 Misc :
 Quant Time: Feb 19 12:24 19109

Vial: 19
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 12:09:03 2009
 Response via : Multiple Level Calibration



(2) Motor Oil (H)
 17.00min 392.71 μ g/ml m
 response 485472

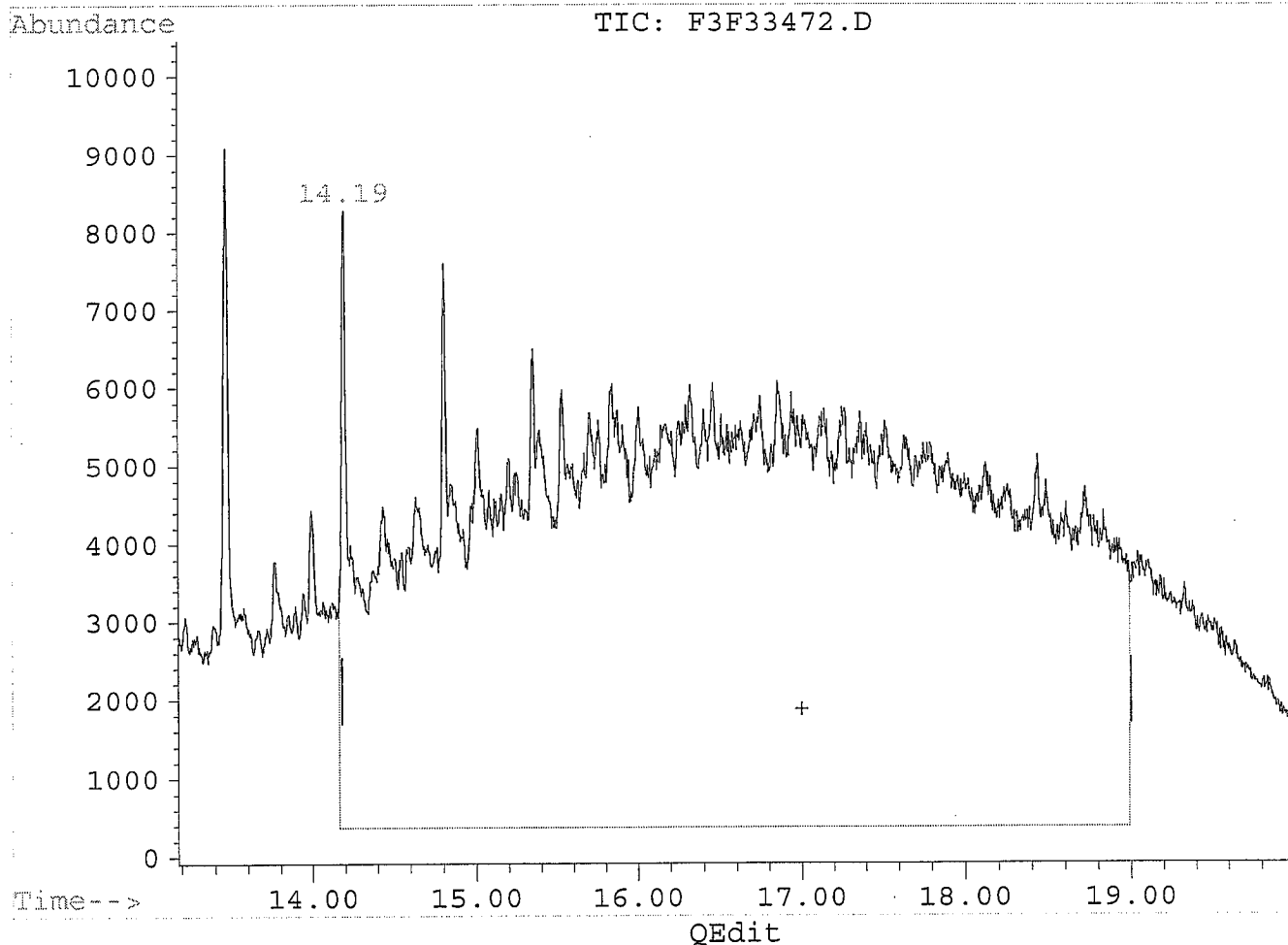
BEFORE

Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33472.D
 Acq On : 19 Feb 09 00:03 AM
 Sample : 1000ug/mL DRO/MO CALUFT CCV1
 Misc :
 Quant Time: Feb 19 12:25 19109

Vial: 19
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 12:09:03 2009
 Response via : Multiple Level Calibration



(2) Motor Oil (H)
 17.00min 1035.23µg/ml m
 response 1279755

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☐ over-integrated peak's area
- ☒ under-integrated peak's area
- ☐ other _____

initials EB date 2/19/09

(+) = Expected Retention Time

F3F33472.D F021809.M

Thu Feb 19 12:25:57 2009

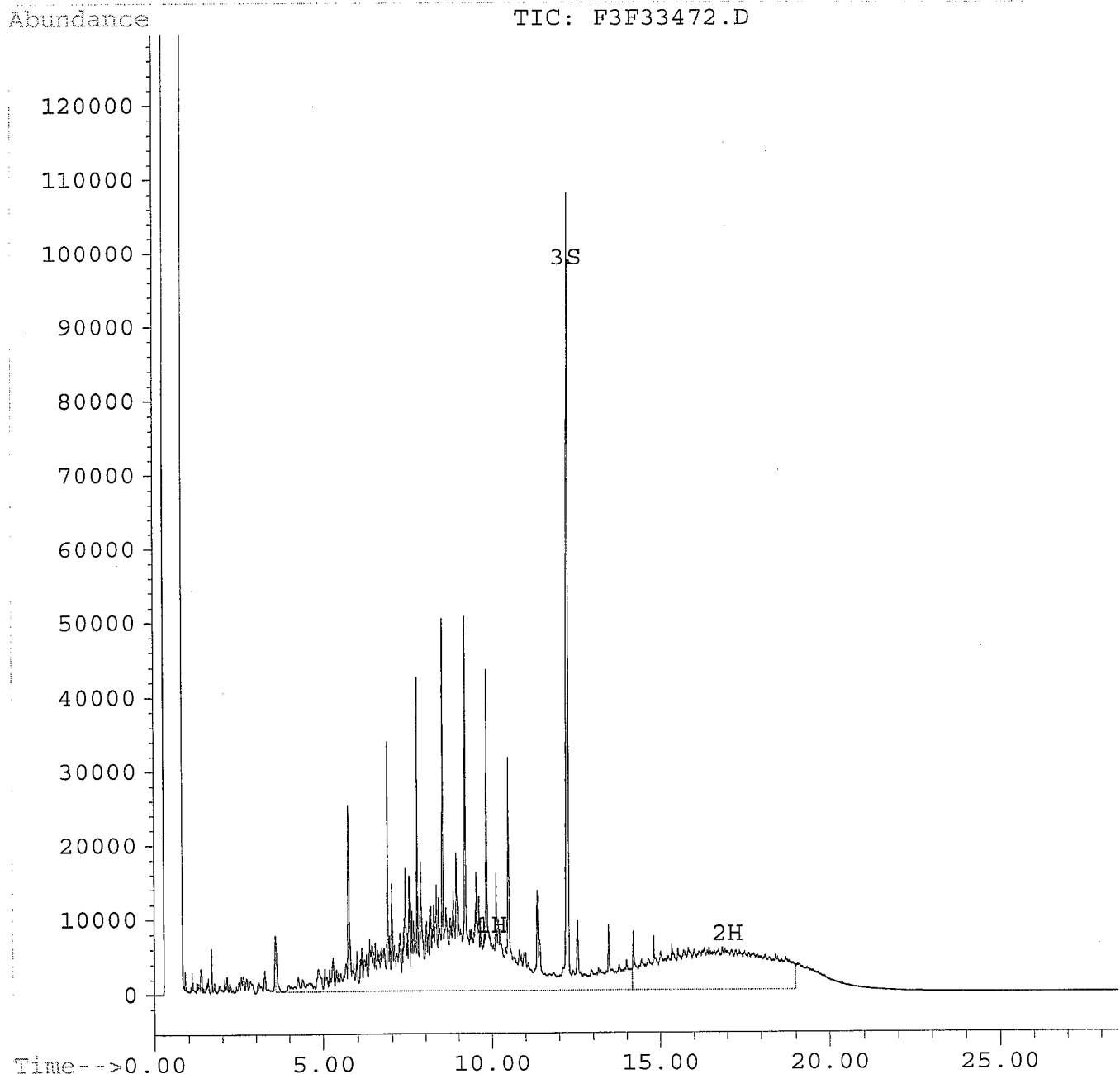
Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33472.D
 Acq On : 19 Feb 09 00:03 AM
 Sample : 1000ug/mL DRO/MO CALUFT CCV1
 Misc :
 Quant Time: Feb 19 12:25 19109

Vial: 19
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 12:09:03 2009
 Response via : Multiple Level Calibration

Volume Inj. : 1uL
 Signal Phase : DB-5.625, 30m, 0.25mm 0.5µm
 Signal Info : FID



Sample Raw Data

Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33464.D
 Acq On : 18 Feb 09 07:08 PM
 Sample : EX090216-5MB
 Misc :
 Quant Time: Feb 19 12:17 19109

Vial: 11
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 12:09:03 2009
 Response via : Multiple Level Calibration

Volume Inj. : 1uL
 Signal Phase : DB-5.625, 30m, 0.25mm 0.5µm
 Signal Info : FID

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
3) S o-terphenyl	12.29	270401	87.24 µg/ml
	Recovery	=	87.24%
Target Compounds			
1) H TEPH	10.00	12591	4.24 µg/ml <i>BMD</i>
2) H Motor Oil	17.00	8152	6.59 µg/ml <i>BMD</i>

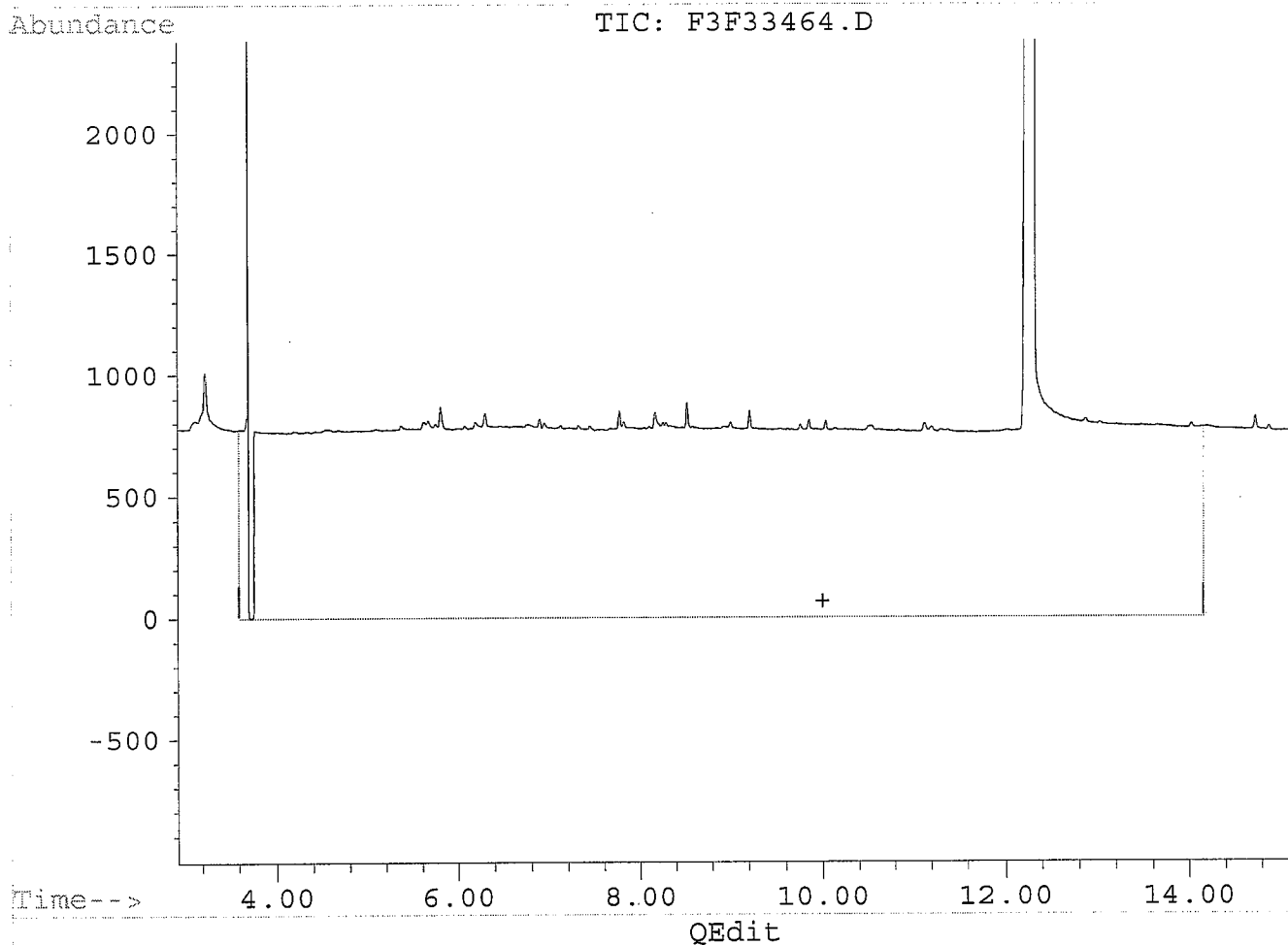
EB
2/19/09

Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33464.D
 Acq On : 18 Feb 09 07:08 PM
 Sample : EX090216-5MB
 Misc :
 Quant Time: Feb 19 12:17 19109

Vial: 11
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 12:09:03 2009
 Response via : Multiple Level Calibration



(1) TEPH
 10.00min 166.16 μ g/ml m
 response 492995

(H)

BEFORE

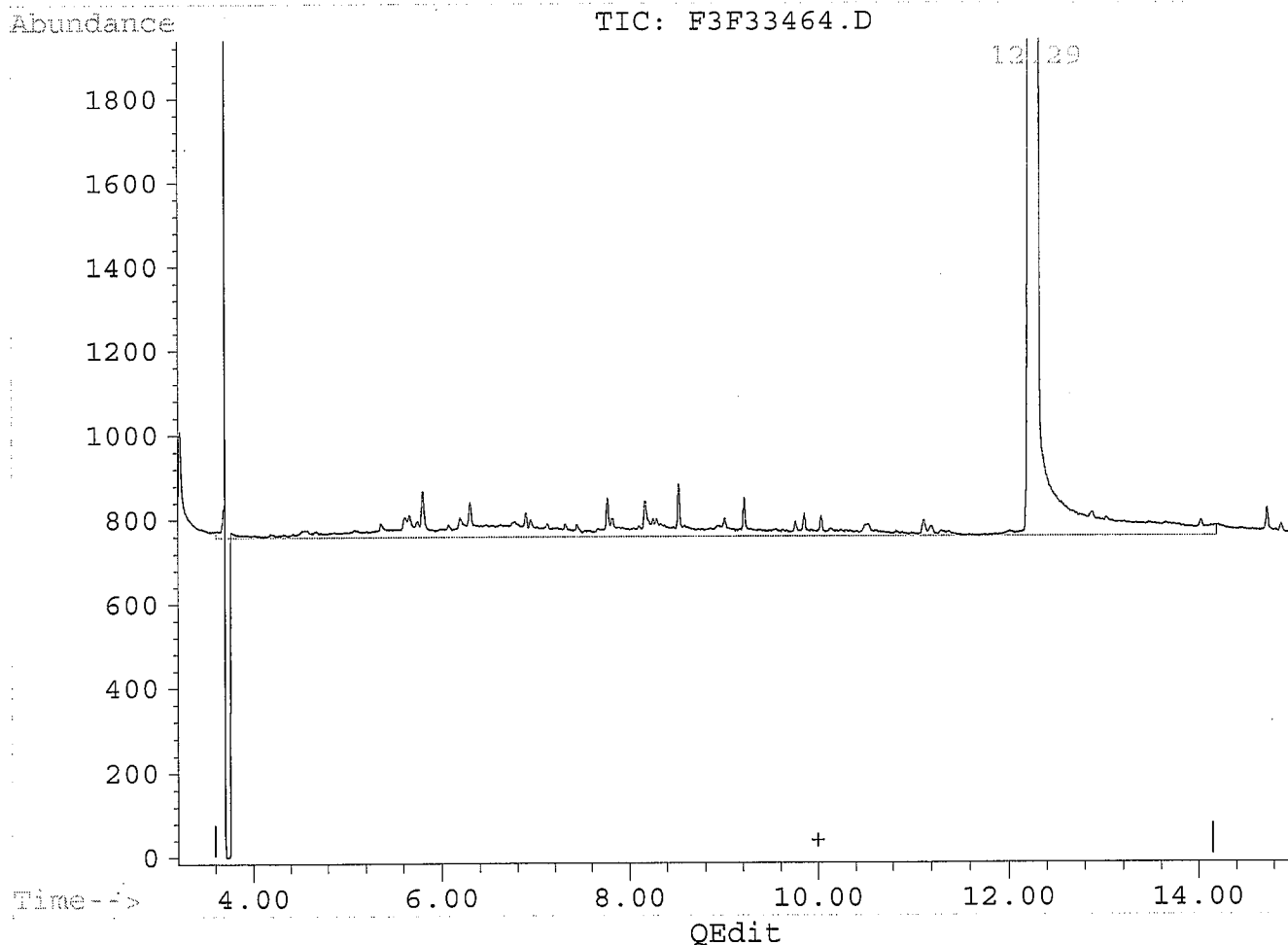
(+) = Expected Retention Time
 F3F33464.D F021809.M Thu Feb 19 12:17:16 2009

Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33464.D
 Acq On : 18 Feb 09 07:08 PM
 Sample : EX090216-5MB
 Misc :
 Quant Time: Feb 19 12:17 19109

Vial: 11
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 12:09:03 2009
 Response via : Multiple Level Calibration



(1) TEPH
 10.00min 4.24µg/ml m
 response 12591

(H)

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☒ over-integrated peak's area
- ☐ under-integrated peak's area
- ☒ other NEGATIVE SPIKE

initials EB date 2/19/09

(+) = Expected Retention Time

F3F33464.D F021809.M Thu Feb 19 12:17:51 2009

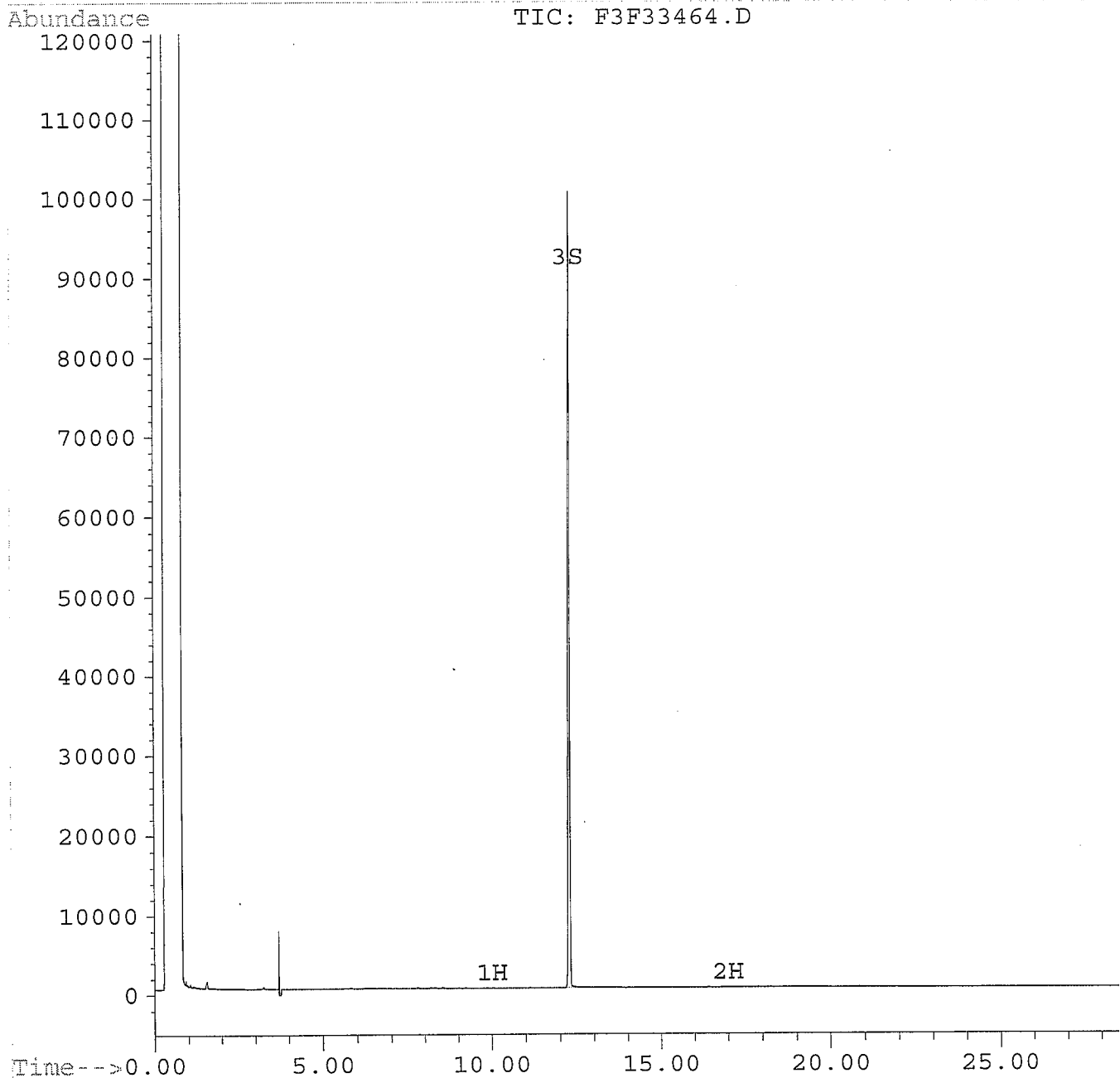
Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33464.D
Acq On : 18 Feb 09 07:08 PM
Sample : EX090216-5MB
Misc :
Quant Time: Feb 19 12:17 19109

Vial: 11
Operator: edb
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
Title : 8015Bmod, CALuft
Last Update : Thu Feb 19 12:09:03 2009
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm 0.5 μ m
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33467.D
Acq On : 18 Feb 09 08:58 PM
Sample : 0902111-1 100X
Misc : 10uL Sample + 990uL DCM
Quant Time: Feb 19 12:22 19109

Vial: 14
Operator: edb
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
Title : 8015Bmod, CALuft
Last Update : Thu Feb 19 12:09:03 2009
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm 0.5µm
Signal Info : FID

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
3) S o-terphenyl	12.22f	6485	2.09 µg/ml
	Recovery	=	2.09%
Target Compounds			
1) H TEPH	10.00	10420949	3512.39 µg/ml DZ
2) H Motor Oil	17.00	612534	495.49 µg/ml Z
TEPH C8-C21 MO: C21-C32			

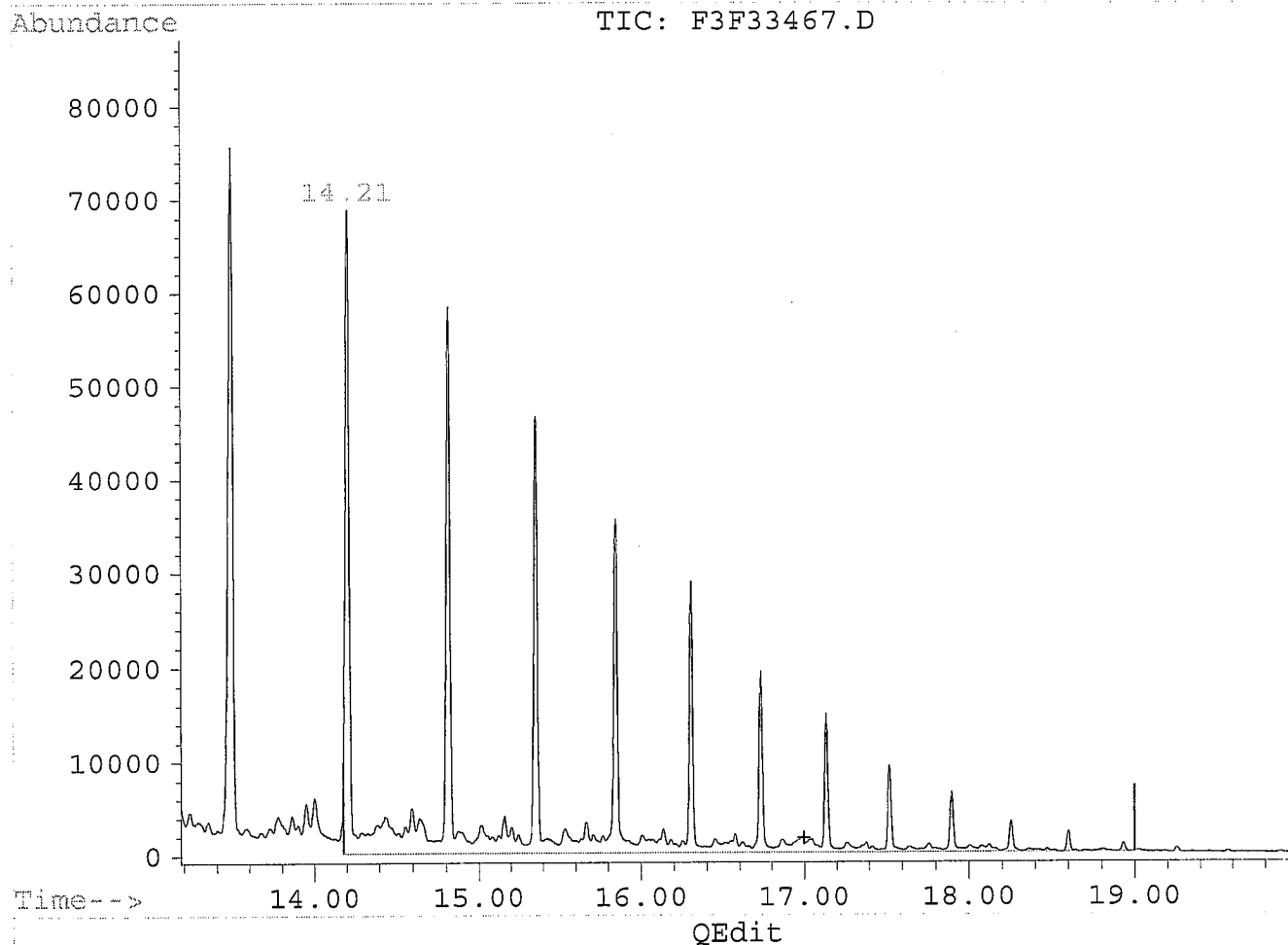
SURROGATE
DILUTED
OUT
J

Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33467.D
 Acq On : 18 Feb 09 08:58 PM
 Sample : 0902111-1 100X
 Misc : 10uL Sample + 990uL DCM
 Quant Time: Feb 19 12:21 19109

Vial: 14
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 12:09:03 2009
 Response via : Multiple Level Calibration



(2) Motor Oil (H)
 17.00min 583.29µg/ml m
 response 721064

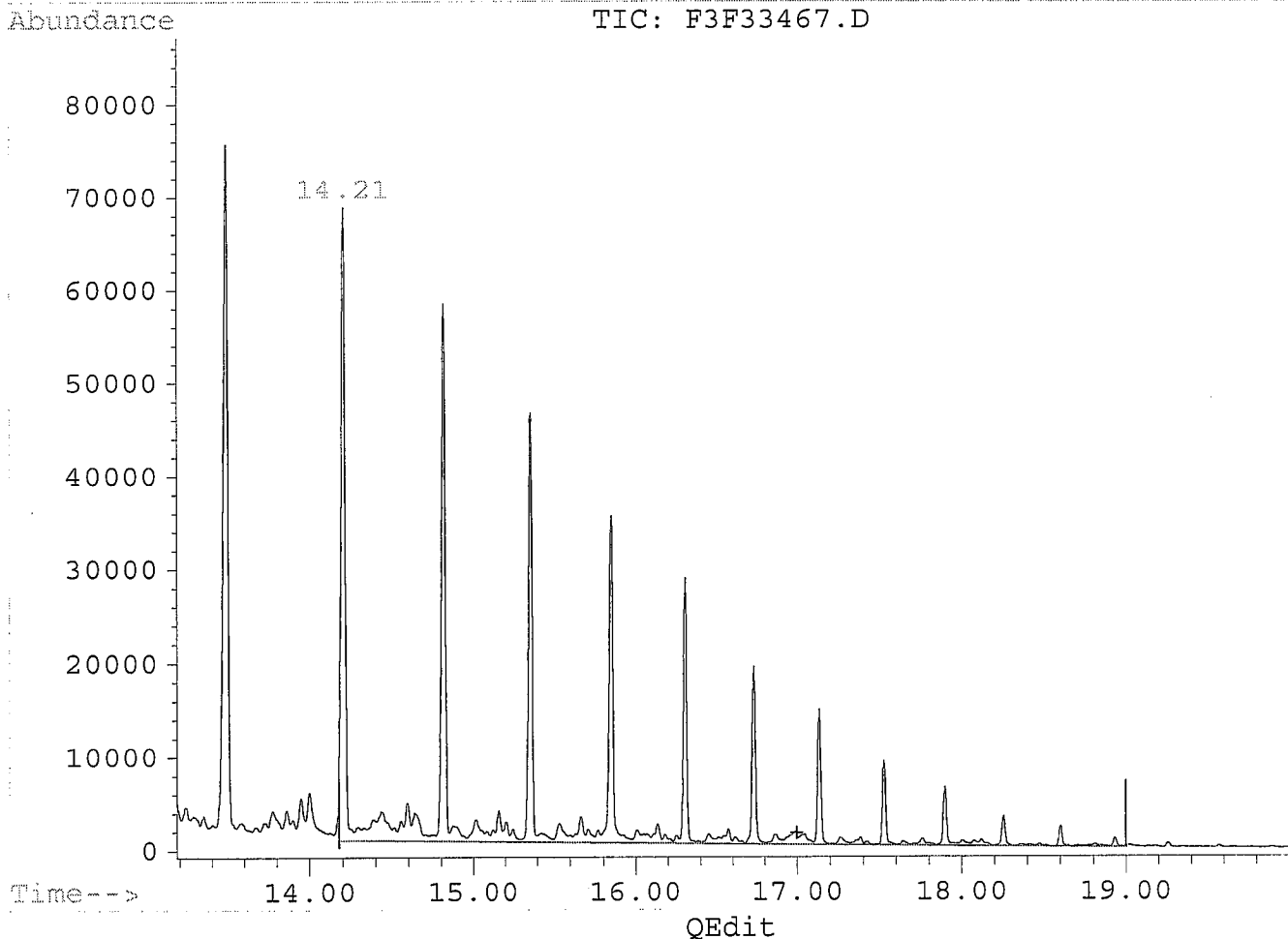
BEFORE

Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33467.D
 Acq On : 18 Feb 09 08:58 PM
 Sample : 0902111-1 100X
 Misc : 10uL Sample + 990uL DCM
 Quant Time: Feb 19 12:22 19109

Vial: 14
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 12:09:03 2009
 Response via : Multiple Level Calibration



(2) Motor Oil (H)
 17.00min 495.49µg/ml m
 response 612534

MANUAL RE-INTEGRATION

- ☐ missed peak assignment
- ☐ assigned incorrect name to peak
- ☒ over-integrated peak's area
- ☐ under-integrated peak's area
- ☐ other

initials EB date 2/19/09

(+) = Expected Retention Time
 F3F33467.D F021809.M Thu Feb 19 12:22:05 2009

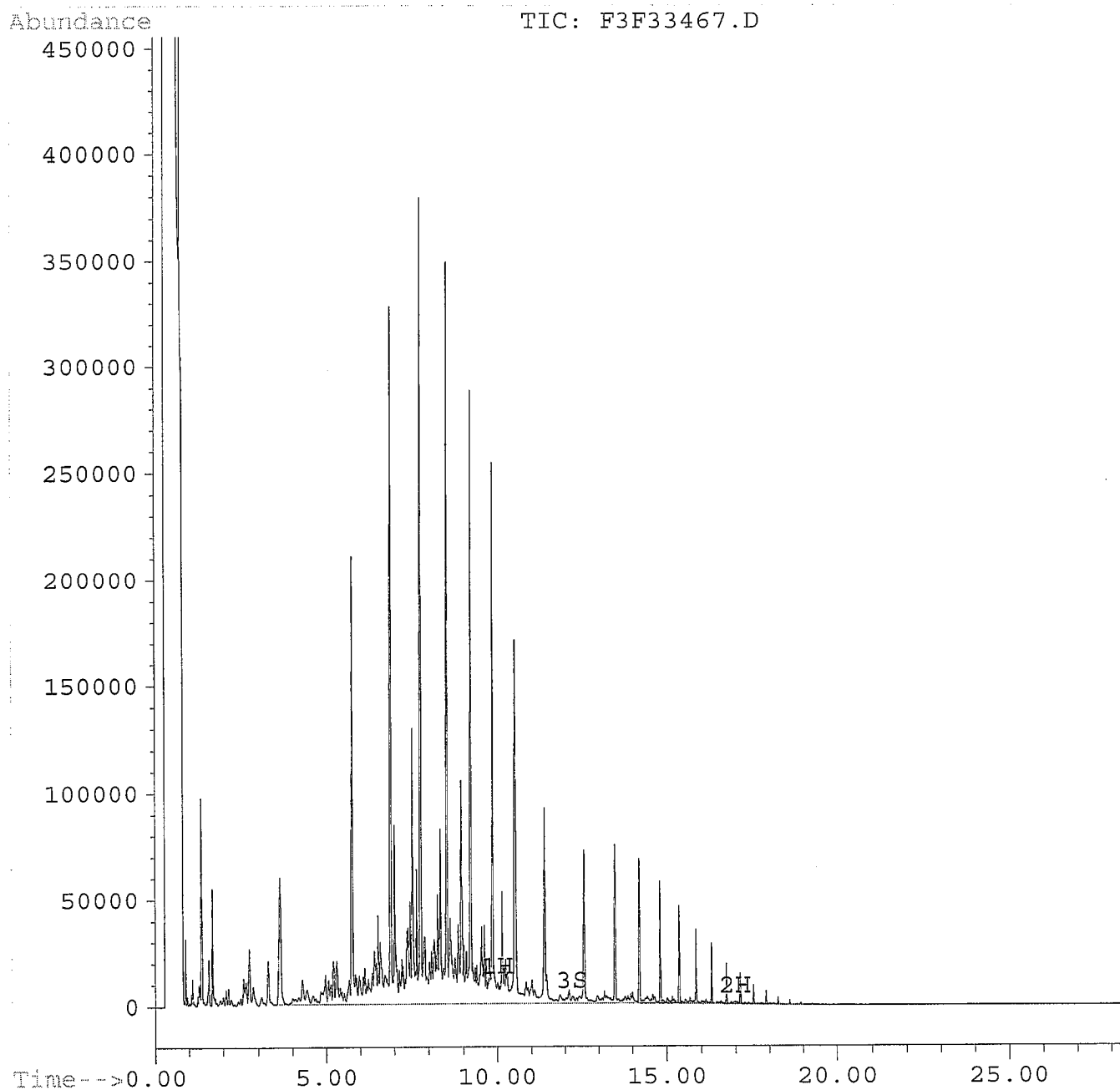
Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33467.D
Acq On : 18 Feb 09 08:58 PM
Sample : 0902111-1 100X
Misc : 10uL Sample + 990uL DCM
Quant Time: Feb 19 12:22 19109

Vial: 14
Operator: edb
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
Title : 8015Bmod, CALuft
Last Update : Thu Feb 19 12:09:03 2009
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm 0.5 μ m
Signal Info : FID



Raw Data Quality Control Samples

Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33465.D
 Acq On : 18 Feb 09 07:45 PM
 Sample : EX090216-5LCS
 Misc :
 Quant Time: Feb 19 12:19 19109

Vial: 12
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 12:09:03 2009
 Response via : Multiple Level Calibration

Volume Inj. : 1uL
 Signal Phase : DB-5.625, 30m, 0.25mm 0.5µm
 Signal Info : FID

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
3) S o-terphenyl	12.29	259866	<u>83.84</u> µg/ml
	Recovery	=	83.84%
Target Compounds			
1) H TEPH	10.00	907780	<u>305.97</u> µg/ml 76%
2) H Motor Oil	17.00	38823	31.40 µg/ml

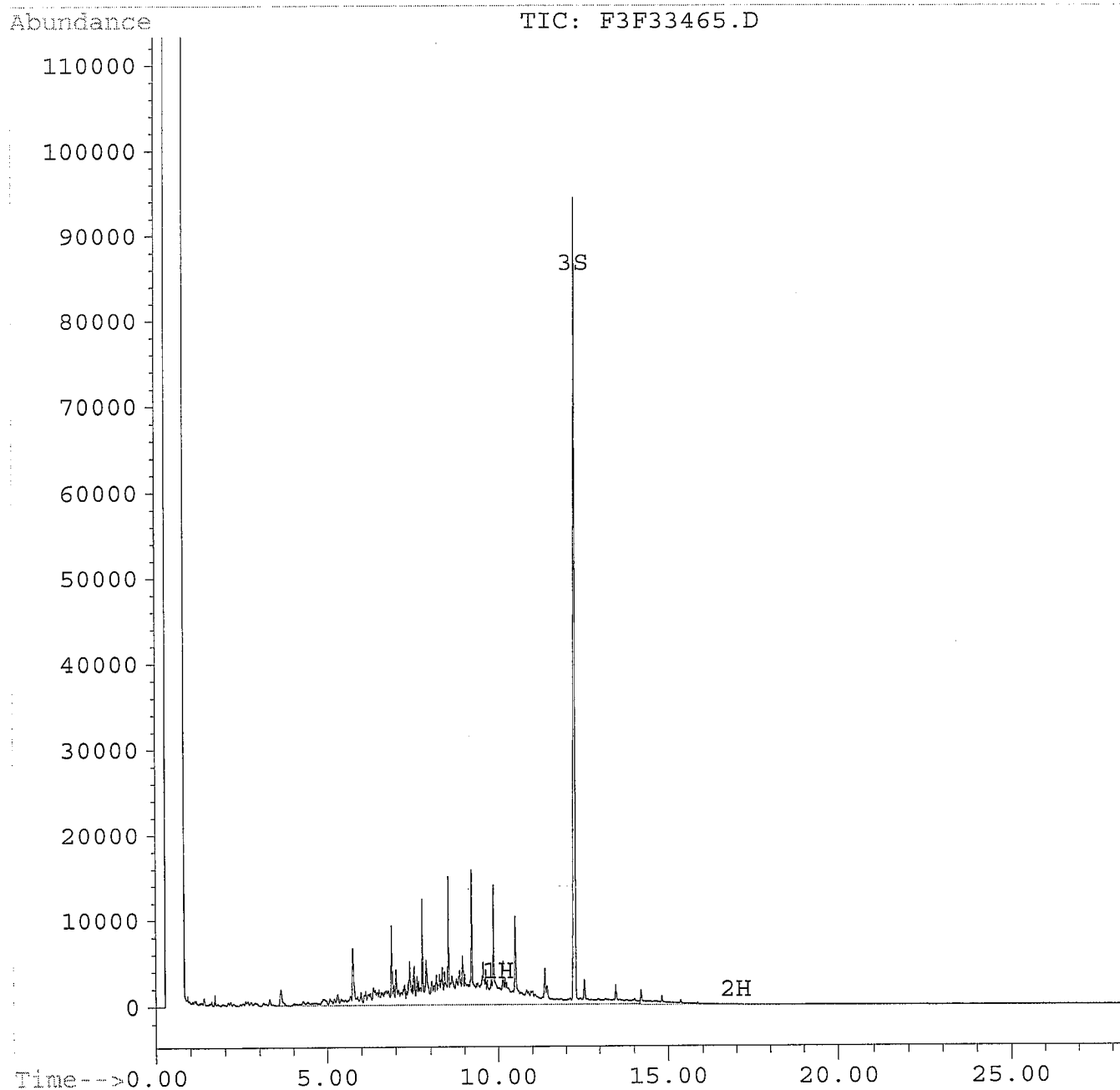
Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33465.D
Acq On : 18 Feb 09 07:45 PM
Sample : EX090216-5LCS
Misc :
Quant Time: Feb 19 12:19 19109

Vial: 12
Operator: edb
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
Title : 8015Bmod, CALuft
Last Update : Thu Feb 19 12:09:03 2009
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm 0.5 μ m
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33466.D
 Acq On : 18 Feb 09 08:21 PM
 Sample : EX090216-5LCSD
 Misc :
 Quant Time: Feb 19 12:19 19109

Vial: 13
 Operator: edb
 Inst : FUELS3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 19 12:09:03 2009
 Response via : Multiple Level Calibration

Volume Inj. : 1uL
 Signal Phase : DB-5.625, 30m, 0.25mm 0.5µm
 Signal Info : FID

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
3) S o-terphenyl	12.29	265612	85.70 µg/ml
	Recovery	=	85.70%
Target Compounds			
1) H TEPH	10.00	921446	310.57 µg/ml 78%
2) H Motor Oil	17.00	41359	33.46 µg/ml

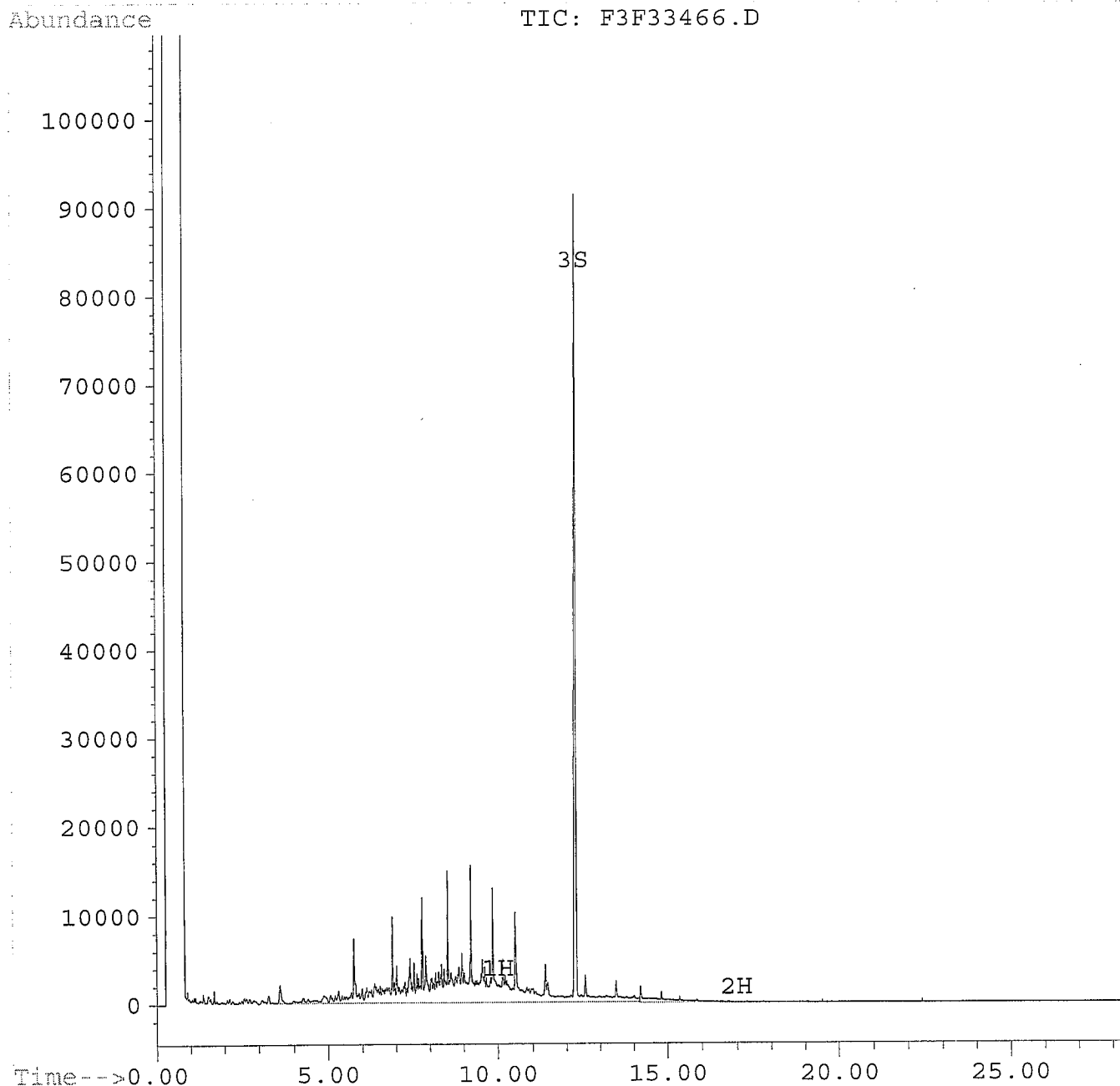
Quantitation Report

Data File : C:\HPCHEM\5\DATA\02182009\F3F33466.D
Acq On : 18 Feb 09 08:21 PM
Sample : EX090216-5LCSD
Misc :
Quant Time: Feb 19 12:19 19109

Vial: 13
Operator: edb
Inst : FUELS3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F021809.M
Title : 8015Bmod, CALuft
Last Update : Thu Feb 19 12:09:03 2009
Response via : Multiple Level Calibration

Volume Inj. : 1uL
Signal Phase : DB-5.625, 30m, 0.25mm 0.5 μ m
Signal Info : FID



Miscellaneous



ALS Paragon



Total Volatile Petroleum Hydrocarbons Case Narrative

URS

Williams-Rio Blanca – 22240417.00001

Work Order Number: 0902111

1. This report consists of 1 water sample. The sample was received cool and intact by Paragon on 02/13/2009. The water sample was free of head space prior to analysis.

The sample had a pH > 2 at the time of analysis.

2. The sample was prepared and analyzed according to SW-846, 3rd Edition procedures. Specifically, the water sample was prepared by heating and purging 5ml using purge and trap procedures based on Method 5030B. The calibration curve was also prepared using the heated purge.
3. The sample was analyzed using a GC with a DB-624 capillary column and a flame ionization detector (FID) according to Paragon Analytics Standard Operating Procedure 425 Revision 12 generally based on SW-846 Methods 8000B and 8015B. The procedures are based on these methods because SW-846 does not have a specific method for TVPH or gasoline range organics. The only true modification from these methods is that TVPH is a multicomponent mixture and is quantitated by summing the entire range, rather than individual peaks. The carbon range integrated in this test extends from C₆ to C₁₀. All positive results in this range were quantitated using the responses from the initial calibration curve using the internal standard technique.
4. All initial and continuing calibration criteria were met.
5. The method blank associated with this project was below the MDL for gasoline range organics.
6. All laboratory control sample and laboratory control sample duplicate recoveries and RPDs were within the acceptance criteria.
7. A matrix spike and matrix spike duplicate was not reported due to the dilution of the native sample.
8. The sample was extracted and analyzed within the established holding time.
9. All surrogate recoveries were within acceptance criteria.



10. All internal standard recoveries were within acceptance criteria.
11. The sample was analyzed at a dilution in order to bring the target analyte within the calibration range of the instrument. The reporting limits have been adjusted accordingly.
12. Manual integrations are performed when needed to provide consistent and defensible data following the guidelines in Paragon Analytics Standard Operating Procedure 939 Revision 3. Whenever manual integrations are performed, before and after chromatograms of the peak that was manually integrated are included in the report along with the reason why the re-integration was necessary.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, Paragon Analytics certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Mindy Norton

Mindy Norton

Organics Primary Data Reviewer

2.19.09

Date

Eric Bayless

Organics Final Data Reviewer

2/20/09

Date



***ALS Paragon
Data Qualifier Flags
Fuels***

- G:** This flag indicates that a pattern resembling gasoline was detected in this sample.
- D:** This flag indicates that a pattern resembling diesel was detected in this sample.
- M:** This flag indicates that a pattern resembling motor oil was detected in this sample.
- H:** This flag indicates that the fuel pattern was in the heavier end of the retention time window for the analyte of interest.
- L:** This flag indicates that the fuel pattern was in the lighter end of the retention time window for the analyte of interest.
- Z:** This flag indicates that a significant fraction of the reported result did not resemble the patterns of any of the following petroleum hydrocarbon products:
gasoline
JP-4
JP-8
diesel
mineral spirits
motor oil
Stoddard solvent
bunker C

Multiple flags may be used to indicate the presence of more than one product or component.

***ALS Paragon
Data Qualifier Flags
Chromatography and Mass Spectrometry***

- U or ND:** This flag indicates that the compound was analyzed for but not detected.
- J:** This flag indicates an estimated value. This flag is used as follows: (1) when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed; (2) when the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the reporting limit (RL) but greater than the method detection limit (MDL); (3) when the retention time data indicate the presence of a compound that meets the GC identification criteria, and the result is less than the RL but greater than the MDL; and (4) the reported value is estimated.
- B:** This flag is used when the analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user. This flag shall be used for a tentatively identified compound (TIC) as well as for a positively identified target compound.
- E:** This flag identifies compounds whose concentration exceeds the upper level of the calibration range.
- A:** This flag indicates that a tentatively identified compound is a suspected aldol-condensation product.
- X:** This flag indicates that the analyte was diluted below an accurate quantitation level.
- *:** This flag indicates that a spike recovery is equal to or outside the control criteria used.
- +:** This flag indicates that the relative percent difference (RPD) equals or exceeds the control criteria.

ALS Paragon

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0902111

Client Name: URS

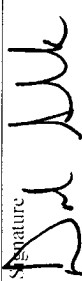
Client Project Name: Williams-Rio Blanca

Client Project Number: 22240417.00001

Client PO Number: Williams 2008

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
FE-RG-11-7-397-PW-GPTF	0902111-1		WATER	12-Feb-09	12:15
Trip Blank 011309	0902111-2		WATER	12-Feb-09	



Project Name Williams - Rio Blanco		Project Number 22240417.00001		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																																	
Project Manager: Richard Henry		Report To: Sheri O'Connor																																			
Company/Address URS Corporation 8181 E. Turf Avenue Denver, CO 80237		Phone # 303-740-3909 (Sheri O'Connor)		FAX # (303) 694-3946 (URS)																																	
Sampler's Signature 		Sampler's Printed Name David Slack																																			
FIELD SAMPLE ID		FOR LAB USE ONLY		SAMPLING DATE		TIME		MATRIX		Total Number of Containers		Metals (ICP/CVA 6010B, 6020A, 7470A)		Anions, TDS, pH, Alkalinity		Ammonia as N (350.1)		VOCs - BTEX (8260B)		TPH as Gasoline (GRO 8015M)		TEPH as Diesel + Motor Oil (DRO CAL LEFT 8015M)		Dissolved Methane (RSK-175)												PRESERVATIVE Preservative Key 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other < 6°C 9. Other	
FIELD SAMPLE ID		FOR LAB USE ONLY		SAMPLING DATE		TIME		MATRIX		Total Number of Containers		Metals (ICP/CVA 6010B, 6020A, 7470A)		Anions, TDS, pH, Alkalinity		Ammonia as N (350.1)		VOCs - BTEX (8260B)		TPH as Gasoline (GRO 8015M)		TEPH as Diesel + Motor Oil (DRO CAL LEFT 8015M)		Dissolved Methane (RSK-175)												PRESERVATIVE Preservative Key 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other < 6°C 9. Other	
FIELD SAMPLE ID		FOR LAB USE ONLY		SAMPLING DATE		TIME		MATRIX		Total Number of Containers		Metals (ICP/CVA 6010B, 6020A, 7470A)		Anions, TDS, pH, Alkalinity		Ammonia as N (350.1)		VOCs - BTEX (8260B)		TPH as Gasoline (GRO 8015M)		TEPH as Diesel + Motor Oil (DRO CAL LEFT 8015M)		Dissolved Methane (RSK-175)												PRESERVATIVE Preservative Key 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other < 6°C 9. Other	
FIELD SAMPLE ID		FOR LAB USE ONLY		SAMPLING DATE		TIME		MATRIX		Total Number of Containers		Metals (ICP/CVA 6010B, 6020A, 7470A)		Anions, TDS, pH, Alkalinity		Ammonia as N (350.1)		VOCs - BTEX (8260B)		TPH as Gasoline (GRO 8015M)		TEPH as Diesel + Motor Oil (DRO CAL LEFT 8015M)		Dissolved Methane (RSK-175)												PRESERVATIVE Preservative Key 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other < 6°C 9. Other	
FIELD SAMPLE ID		FOR LAB USE ONLY		SAMPLING DATE		TIME		MATRIX		Total Number of Containers		Metals (ICP/CVA 6010B, 6020A, 7470A)		Anions, TDS, pH, Alkalinity		Ammonia as N (350.1)		VOCs - BTEX (8260B)		TPH as Gasoline (GRO 8015M)		TEPH as Diesel + Motor Oil (DRO CAL LEFT 8015M)		Dissolved Methane (RSK-175)												PRESERVATIVE Preservative Key 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other < 6°C 9. Other	
FIELD SAMPLE ID		FOR LAB USE ONLY		SAMPLING DATE		TIME		MATRIX		Total Number of Containers		Metals (ICP/CVA 6010B, 6020A, 7470A)		Anions, TDS, pH, Alkalinity		Ammonia as N (350.1)		VOCs - BTEX (8260B)		TPH as Gasoline (GRO 8015M)		TEPH as Diesel + Motor Oil (DRO CAL LEFT 8015M)		Dissolved Methane (RSK-175)												PRESERVATIVE Preservative Key 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other < 6°C 9. Other	
FIELD SAMPLE ID		FOR LAB USE ONLY		SAMPLING DATE		TIME		MATRIX		Total Number of Containers		Metals (ICP/CVA 6010B, 6020A, 7470A)		Anions, TDS, pH, Alkalinity		Ammonia as N (350.1)		VOCs - BTEX (8260B)		TPH as Gasoline (GRO 8015M)		TEPH as Diesel + Motor Oil (DRO CAL LEFT 8015M)		Dissolved Methane (RSK-175)												PRESERVATIVE Preservative Key 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other < 6°C 9. Other	
FIELD SAMPLE ID		FOR LAB USE ONLY		SAMPLING DATE		TIME		MATRIX		Total Number of Containers		Metals (ICP/CVA 6010B, 6020A, 7470A)		Anions, TDS, pH, Alkalinity		Ammonia as N (350.1)		VOCs - BTEX (8260B)		TPH as Gasoline (GRO 8015M)		TEPH as Diesel + Motor Oil (DRO CAL LEFT 8015M)		Dissolved Methane (RSK-175)												PRESERVATIVE Preservative Key 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other < 6°C 9. Other	
FIELD SAMPLE ID		FOR LAB USE ONLY		SAMPLING DATE		TIME		MATRIX		Total Number of Containers		Metals (ICP/CVA 6010B, 6020A, 7470A)		Anions, TDS, pH, Alkalinity		Ammonia as N (350.1)		VOCs - BTEX (8260B)		TPH as Gasoline (GRO 8015M)		TEPH as Diesel + Motor Oil (DRO CAL LEFT 8015M)		Dissolved Methane (RSK-175)												PRESERVATIVE Preservative Key 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other < 6°C 9. Other	
FIELD SAMPLE ID		FOR LAB USE ONLY		SAMPLING DATE		TIME		MATRIX		Total Number of Containers		Metals (ICP/CVA 6010B, 6020A, 7470A)		Anions, TDS, pH, Alkalinity		Ammonia as N (350.1)		VOCs - BTEX (8260B)		TPH as Gasoline (GRO 8015M)		TEPH as Diesel + Motor Oil (DRO CAL LEFT 8015M)		Dissolved Methane (RSK-175)												PRESERVATIVE Preservative Key 0. NONE 1. HCl 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other < 6°C 9. Other	
FIELD SAMPLE ID		FOR LAB USE ONLY		SAMPLING DATE		TIME		MATRIX		Total Number of Containers		Metals (ICP/CVA 6010B, 6020A, 7470A)		Anions, TDS, pH, Alkalinity		Ammonia as N (350.1)		VOCs - BTEX (8260B)		TPH as Gasoline (GRO 8015M)		TEPH as Diesel + Motor Oil (DRO CAL LEFT 8015M)		Dissolved Methane (RSK-175)												PRESERVATIVE Preservative Key 0. NONE 1. HCl 2. HNO ₃ 3.	

CONDITION OF SAMPLE UPON RECEIPT FORM

Paragon Analytics

Client: URSWorkorder No: 0902111Project Manager: AWInitials: LJO Date: 2/13/09

1. Does this project require any special handling in addition to standard Paragon procedures?	YES	<input checked="" type="radio"/> NO
2. Are custody seals on shipping containers intact?	NONE	<input checked="" type="radio"/> YES NO
3. Are Custody seals on sample containers intact?	<input checked="" type="radio"/> NONE	YES NO
4. Is there a COC (Chain-of-Custody) present or other representative documents?	<input checked="" type="radio"/> YES	NO
5. Are the COC and bottle labels complete and legible ?	<input checked="" type="radio"/> YES	NO
6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)	<input checked="" type="radio"/> YES	NO
7. Were airbills / shipping documents present and/or removable?	DROP OFF	<input checked="" type="radio"/> YES NO
8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles)	N/A	YES <input checked="" type="radio"/> NO
9. Are all aqueous non-preserved samples pH 4-9 ?	N/A	<input checked="" type="radio"/> YES NO
10. Is there sufficient sample for the requested analyses?	<input checked="" type="radio"/> YES	NO
11. Were all samples placed in the proper containers for the requested analyses?	<input checked="" type="radio"/> YES	NO
12. Are all samples within holding times for the requested analyses?	<input checked="" type="radio"/> YES	NO
13. Were all sample containers received intact ? (not broken or leaking, etc.)	<input checked="" type="radio"/> YES	NO
14. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: <u> </u> < green pea <u> </u> > green pea	N/A	YES <input checked="" type="radio"/> NO
15. Do perchlorate LCMS-MS samples have headspace? (at least 1/3 of container required)	<input checked="" type="radio"/> N/A	YES NO
16. Were samples checked for and free from the presence of residual chlorine ? (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	<input checked="" type="radio"/> N/A	YES NO
17. Were the samples shipped on ice ?	<input checked="" type="radio"/> YES	NO
18. Were cooler temperatures measured at 0.1-6.0°C?	IR gun used*: <input checked="" type="radio"/> #2 #4	RAD ONLY <input checked="" type="radio"/> YES NO
Cooler #: <u>1</u>		
Temperature (°C): <u>3.8</u>		
No. of custody seals on cooler: <u>1</u>		
External µR/hr reading: <u>12</u>		
Background µR/hr reading: <u>12</u>		
Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? <input checked="" type="radio"/> YES / NO / NA (If no, see Form 008.)		

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND #16.

- * Sample #1 (FE-RG-11-7-397-PW-GPTF) the 1L poly for metals analysis was received at pH 5.0. 20 ml HNO₃ (G17027-Lot#) was added at 1200 on 2/13/09 by LJO for a final pH < 2.
- Sample #1 (FE-RG-11-7-397-PW-GPTF) 2 of 3 40ml VOC vial contain headspace > pea.
 ↓ ↓ ↓ 3 of 3 ↓ GRO ↓ ↓ ↓ > pea.
- Sample #1 - time on bottles: 12:15

If applicable, was the client contacted? ☒ YES / NO / NA Contact: Sheri O'Connor Date/Time: c-mail 2/13/09Project Manager Signature / Date: [Signature] 2/13/09

*IR Gun #2: Oakton, SN 29922500201-0066

*IR Gun #4: Oakton, SN 2372220101-0002

FedEx
Tracking
Number

847568922148

FedEx
Tracking
Number

1 From This portion can be removed for Recipient's records.

Date 2/12/07 FedEx Tracking Number _____

847226895298

Sender's Name DAVID SLACK

Phone 970 284-4741

Company Logo

Address VIA CONTESSA

City State ZIP

2 Your Internal Billing Reference 77744117 0.15

31

Recipient's Name

Company

Recipient's Address

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Dept./Floor/Suite/Room

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State ZIP 

8675 6892 2148

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fedex.com 1.800.GoFedEx 1.800.463.3339

Analytical Results

Gasoline Range Organics

Method SW8015B

Method Blank

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: HCG090217-1MB

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 17-Feb-09

Date Analyzed: 17-Feb-09

Prep Batch: HCG090217-1

QCBatchID: HCG090217-1-1

Run ID: HCG090217-1A

Cleanup: NONE

Basis: N/A

File Name: 00857.dat

Sample Aliquot: 5 ml

Final Volume: 5 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
8006-61-9	GASOLINE RANGE ORGANICS	1	0.1	0.1	0.026	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
193533-92-5	2,3,4-TRIFLUOROTOLUENE	0.111		0.1	111	74 - 129

Data Package ID: HCG0902111-1

Date Printed: Thursday, February 19, 2009

ALS Paragon

LIMS Version: 6.245A

Page 1 of 1

Gasoline Range Organics

Method SW8015B

Sample Results

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-11-7-397-PW-GPTF
Lab ID: 0902111-1

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 12-Feb-09

Date Extracted: 17-Feb-09

Date Analyzed: 17-Feb-09

Prep Method: SW5030 Rev B

Prep Batch: HCG090217-1

QC Batch ID: HCG090217-1-1

Run ID: HCG090217-1A

Cleanup: NONE

Basis: As Received

File Name: 00860.dat

Sample Aliquot: 5 ml

Final Volume: 5 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
8006-61-9	GASOLINE RANGE ORGANICS	100	190	10	2.6	G,H	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
193533-92-5	2,3,4-TRIFLUOROTOLUENE	11.9		10	119	74 - 129

Data Package ID: HCG0902111-1

Date Printed: Thursday, February 19, 2009

ALS Paragon

LIMS Version: 6.245A

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Supporting QA/QC Data

Surrogate Summary for Gasoline Range Organics

Method SW8015B

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

PrepBatchID: HCG090217-1

QC Batch ID: HCG090217-1-1

Date Extracted: 2/17/2009

Surrogate Compound	Control Limits	
	Lower	Upper
2,3,4-trifluorotoluene	74	129

Lab ID	Client Sample ID	Date Collected	Date Received	% Recovery
HCG090217-1LCS	XXXXXXX	2/17/2009	2/13/2009	107
HCG090217-1MB	XXXXXXX	2/17/2009	2/13/2009	111
0902111-1	FE-RG-11-7-397-PW-GPTF	2/12/2009	2/13/2009	119
HCG090217-1LCSD	XXXXXXX	2/17/2009	2/13/2009	107

Data Package ID: HCG0902111-1

Date Printed: Thursday, February 19, 2009

ALS Paragon

LIMS Version: 6.245A

Page 1 of 1

Gasoline Range Organics

Method SW8015B

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: HCG090217-1LCS

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 02/17/2009

Date Analyzed: 02/17/2009

Prep Method: SW5030B

Prep Batch: HCG090217-1

QCBatchID: HCG090217-1-1

Run ID: HCG090217-1A

Cleanup: NONE

Basis: N/A

File Name: 00856.dat

Sample Aliquot: 5 ml

Final Volume: 5 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
8006-61-9	GASOLINE RANGE ORGANICS	0.5	0.509	0.1		102	79 - 118%

Lab ID: HCG090217-1LCSD

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 02/17/2009

Date Analyzed: 02/17/2009

Prep Method: SW5030B

Prep Batch: HCG090217-1

QCBatchID: HCG090217-1-1

Run ID: HCG090217-1A

Cleanup: NONE

Basis: N/A

File Name: 00861.dat

Sample Aliquot: 5 ml

Final Volume: 5 ml

Result Units: MG/L

Clean DF: 1

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	Result Qualifier	LCSD % Rec.	RPD Limit	RPD
8006-61-9	GASOLINE RANGE ORGANICS	0.5	0.474	0.1		95	20	7

Surrogate Recovery LCS/LCSD

CASNO	Target Analyte	Spike Added	LCS % Rec.	LCS Flag	LCSD % Rec.	LCSD Flag	Control Limits
193533-92-5	2,3,4-TRIFLUOROTOLUENE	0.1	107		107		74 - 129

Data Package ID: HCG0902111-1

Date Printed: Thursday, February 19, 2009

ALS Paragon

LIMS Version: 6.245A

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Prep Batch ID: HCG090217-1

Start Date: 02/17/09

End Date: 02/17/09

Concentration Method: NONE

Batch Created By: jfn

Start Time: 17:09

End Time: 17:09

Extract Method: SW5030B

Date Created: 02/17/09

Prep Analyst: Joel F. Nolte

Initial Volume Units: ml

Time Created: 17:09

Comments:

Final Volume Units: ml

Validated By: jfn

Date Validated: 02/18/09

Time Validated: 17:38

waters/liquids

QC Batch ID: HCG090217-1-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
HCG090217-1	MB	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902111
HCG090217-1	LCS	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902111
HCG090217-1	LCSD	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902111
0902111-1	SMP	FE-RG-11-7-397-PW-	WATER	2/12/2009	5	5	NONE	1	0902111

QC Types

CAR	Carrier reference sample	DUP	Laboratory Duplicate
LCS	Laboratory Control Sample	LCSD	Laboratory Control Sample Duplicat
MB	Method Blank	MS	Laboratory Matrix Spike
MSD	Laboratory Matrix Spike Duplicate	REP	Sample replicate
SMP	Field Sample	SYS	Sample Yield Spike

Calibration ID: gro090217

Instrument ID: GC6

Calibration Date: 2/17/2009 3:07:44 PM

ALS Paragon

Initial Calibration Report

FileName: \\gcserver\gcdata\Projects\GC6\data\2009\gro090217\00855.dat

FileName: \\gcserver\gcdata\Projects\GC6\data\2009\gro090217\00855.dat													Curve	Higher Order Equation				
Analyte	Cal LVL ID:	1	2	3	4	5	6	7	8	9	Avg CF	LSQ Wt	%RSD	Type	R2	Quad Term	Slope	Intercept
FID																		
GASOLINE RANGE ORGANIC		1.42515	1.081317	1.319912	1.145666	1.05962	1.091591				1.1872	None		Linear	0.999		1.079121	0.178516
2,3,4-Trifluorotoluene		0.981171	0.914536	0.9483	1.020117	0.945339	0.944974				0.9591	None	3.82	AvgRF				
PID																		
GASOLINE RANGE ORGANIC		3.005551	2.509895	2.47236	2.298817	2.143602	2.085112				2.4192	None		Quadratic	1.000	-0.003420	2.170145	0.501172
2,3,4-Trifluorotoluene		1.157988	1.06267	1.107809	1.17672	1.097866	1.087227				1.1150	None	3.91	AvgRF				

Data Package ID:

7m
24809

Gasoline Range Organics (8015) Calibration Verification Summary

ALS/Paragon

Acq. Sequence : \\gcserver\gcdata\Projects\GC6\Sequence\2009\gro090217.seq

Instrument : GC6

Data Acquired by : noltej

Data Processed By : noltej

Sample	Filename	Exp. RT (min.)	(FID response)						(FID response)			
			<u>2,3,4-Trifluorotoluene (surrogate)</u>						<u>GRO</u>			
			RT	Dev.	Avg RF	Conc.	Nom.	% Rec.	Avg RF	Conc.	Nom.	% Rec.
						ppm	Conc.			ppm	Conc.	
0.5mg/L ICV	00855.dat	6.380	6.380	0.000	0.959073	0.107	0.1	107	1.187209	0.473	0.5	95
HCG090217-1CCSD	00861.dat	6.380	6.383	0.003	0.959073	0.107	0.1	107	1.187209	0.474	0.5	95

Supporting Raw Data

TVPH / GRO (8015) Sequence Log

Logbook No. / Page : 3678 / 46

ICV file # : GC600087
855

Analytical Method : 8015 GRO SOP : 425r12

Data Acquired By : noltej

Data Processed By : noltej

Instrument : GC6

(1st file) Acq. Date : 2/17/2009 8:32:36 AM

(1st file) Data Path : \\gcserver\gcd\data\Projects\GC6\data\2009\gro090217\00843.dat

Sequence File : \\gcserver\gcd\data\Projects\GC6\Sequence\2009\gro090217.seq

Acq. Method Path : \\gcserver\gcd\data\Projects\GC6\method\2008\gro072308.met

QC Name	GRO Std ID #	Spike Vol. Added (uL)	Final Std Vol. (uL)
CCV (LCS)	ST090119-7	5	5000
MS	ST081110-3 (NA)	10	5000
ICV	ST080630-6	5	5000

ISTD/Surr Std ID # : ST090216-6
ISTD/Surr Spk Vol. (uL) : 5

Data File	Acq. Method	Sample	Auto Sampler Position	Head Space?	pH <= 2?	RR?	Comments
00843.dat	gro072308.met	blank	8	Y/N	Y/N	Y/N	
00844.dat	gro072308.met	HCG090217-1CCS	9	Y/N	Y/N	Y/N	Fail High
00845.dat	gro072308.met	HCG090217-1MB	10	Y/N	Y/N	Y/N	water
00846.dat	gro072308.met	HCG090217-1CCS	11	Y/N	Y/N	Y/N	Fail High
00847.dat	gro072308.met	blank	12	Y/N	Y/N	Y/N	water
00848.dat	gro090217.met	0.05mg/L ICAL	13	Y/N	Y/N	Y/N	5uL ST090217-1, 1uL ST090217-2, 0.5uL ST090216-7.
00849.dat	gro090217.met	0.1mg/L ICAL	14	Y/N	Y/N	Y/N	2uL
00850.dat	gro090217.met	0.2mg/L ICAL	15	Y/N	Y/N	Y/N	3uL
00851.dat	gro090217.met	0.5mg/L ICAL	16	Y/N	Y/N	Y/N	4uL
00852.dat	gro090217.met	1.5mg/L ICAL	1	Y/N	Y/N	Y/N	6uL
00853.dat	gro090217.met	3.0mg/L ICAL	2	Y/N	Y/N	Y/N	8uL
00854.dat	gro090217.met	blank	3	Y/N	Y/N	Y/N	Blank
00855.dat	gro090217.met	0.5mg/L ICV	4	Y/N	Y/N	Y/N	5uL/5mL ST090
00856.dat	gro090217.met	HCG090217-1LCS	5	Y/N	Y/N	Y/N	0.5ppm water (Pass)
00857.dat	gro090217.met	HCG090217-1MB	6	Y/N	Y/N	Y/N	water
00858.dat	gro090217.met	0902074-4 10000x	7	Y/N	Y/N	Y/N	0.5uL/5000uL, y
00859.dat	gro090217.met	0902074-4 100x	8	Y/N	Y/N	Y/N	50uL/5000uL, y
00860.dat	gro090217.met	0902111-1 100x	9	Y/N	Y/N	Y/N	50uL/5mL, pH=5
00861.dat	gro090217.met	HCG090217-1CCSD	10	Y/N	Y/N	Y/N	0.5ppm water (Pass)
00862.dat	gro090217.met	cleanup	11	Y/N	Y/N	Y/N	dry purge
00863.dat	gro090217.met	cleanup	12	Y/N	Y/N	Y/N	dry purge
00864.dat	gro090217.met	cleanup	13	Y/N	Y/N	Y/N	dry purge
00865.dat	gro090217.met	cleanup	14	Y/N	Y/N	Y/N	dry purge
00866.dat	gro090217.met	cleanup	15	Y/N	Y/N	Y/N	dry purge
00867.dat	gro090217.met	cleanup	16	Y/N	Y/N	Y/N	dry purge
00868.dat	gro090217.met	cleanup	1	Y/N	Y/N	Y/N	dry purge
00869.dat	gro090217.met	cleanup	2	Y/N	Y/N	Y/N	dry purge
00870.dat	gro090217.met	cleanup	3	Y/N	Y/N	Y/N	dry purge

Calibration Raw Data

Total Volatile Petroleum Hydrocarbons / GRO (8015) Quantitation Report

ALS/Paragon

Sample : 0.05mg/L ICAL

Filename : \\gcserver\gcdata\Projects\GC6\data\2009\gro090217\00848.dat

Acquisition Date : 2/17/2009 11:32:26 AM

Quantitation Date : 2/18/2009 6:26:25 PM

Last Method Update : 2/18/2009 6:25:15 PM

Method : \\gcserver\gcdata\Projects\GC6\method\2009\gro090217.met

Sequence : \\gcserver\gcdata\Projects\GC6\Sequence\2009\gro090217.seq

Data Description : {Data Description}

Instrument : GC6 (Offline)

Data Acquired By : noltej

Data Processed By : noltej

Purge Position : 13

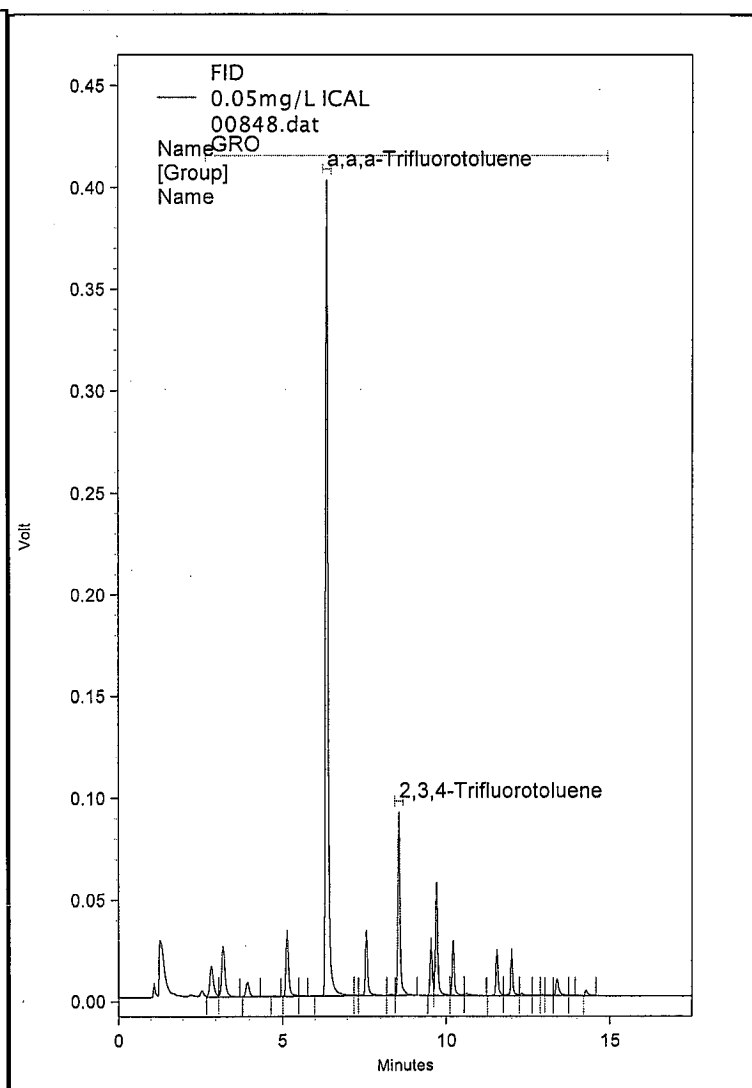
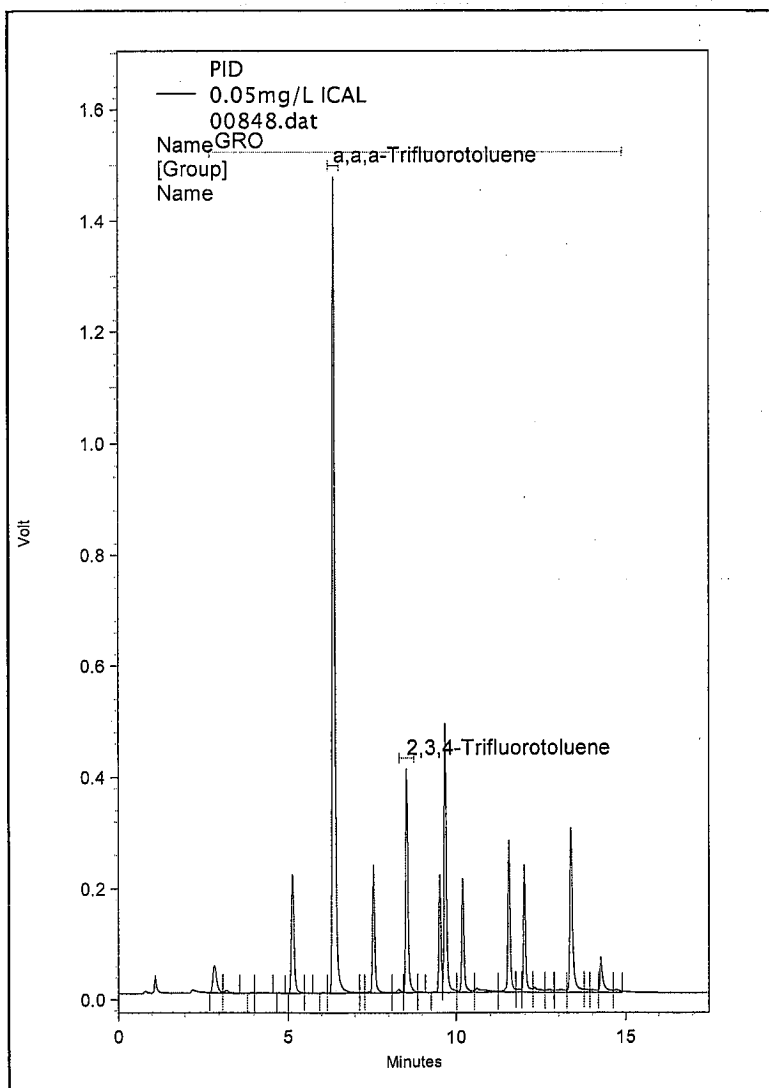
Surr. Nom. Conc. : 0.1

PID Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Conc.	Conc. Units
a,a,a-Trifluorotoluene	6.370	6.373	7901704	VV	0.100	ppm
2,3,4-Trifluorotoluene	8.547	8.547	1830016	VV	0.021	ppm
GRO			11874486		0.046	ppm

FID Results

Name	RT	Expected RT	Peak Area	Integration Codes	conc.	Conc. Units
a,a,a-Trifluorotoluene	6.377	6.380	2160836	BV	0.100	ppm
2,3,4-Trifluorotoluene	8.553	8.553	424030	VB	0.020	ppm
GRO			1539758		0.049	ppm



Column : DB-624 (30M x 0.53mm x 3.0u)

Total Volatile Petroleum Hydrocarbons / GRO (8015) Quantitation Report

ALS/Paragon

Sample : 0.1mg/L ICAL
 Filename : \\gcserver\gcddata\Projects\GC6\data\2009\gro090217\00849.dat
 Acquisition Date : 2/17/2009 11:59:08 AM
 Quantitation Date : 2/18/2009 6:26:36 PM
 Last Method Update : 2/18/2009 6:25:15 PM
 Method : \\gcserver\gcddata\Projects\GC6\method\2009\gro090217.met
 Sequence : \\gcserver\gcddata\Projects\GC6\Sequence\2009\gro090217.seq
 Data Description : {Data Description}

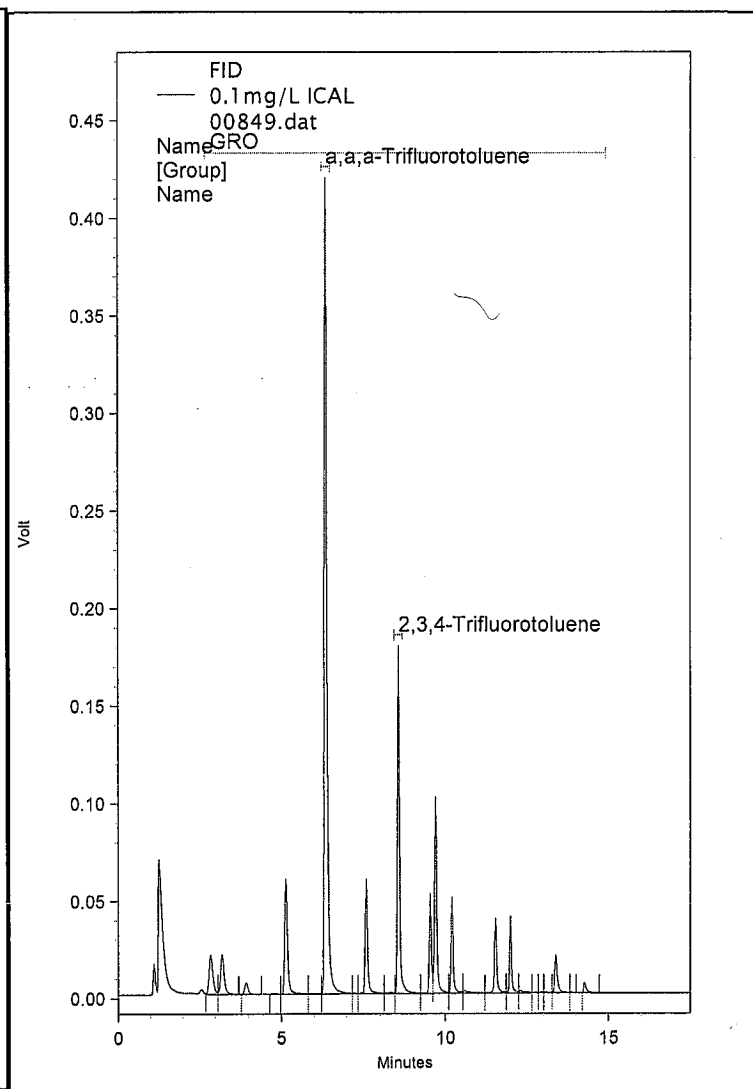
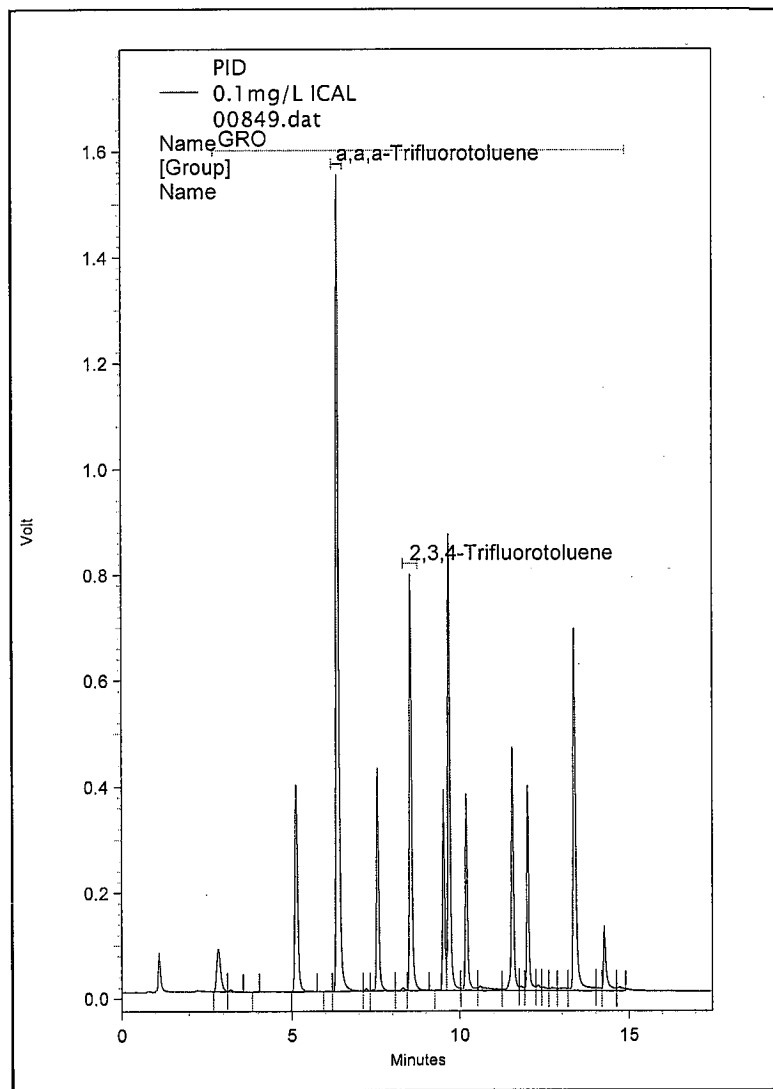
Instrument : GC6 (Offline)
 Data Acquired By : noltej
 Data Processed By : noltej
 Purge Position : 14
 Surr. Nom. Conc. : 0.1

PID Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Conc.	Conc. Units
a,a,a-Trifluorotoluene	6.370	6.373	8402933	VV	0.100	ppm
2,3,4-Trifluorotoluene	8.547	8.547	3571818	VB	0.038	ppm
GRO			21090477		0.093	ppm

FID Results

Name	RT	Expected RT	Peak Area	Integration Codes	conc.	Conc. Units
a,a,a-Trifluorotoluene	6.377	6.380	2285869 ✓	VV	0.100	ppm
2,3,4-Trifluorotoluene	8.553	8.553	836204	VV	0.038	ppm
GRO			2471749		0.084	ppm



Column : DB-624 (30M x 0.53mm x 3.0u)

Total Volatile Petroleum Hydrocarbons / GRO (8015) Quantitation Report

ALS/Paragon

Sample : 0.2mg/L ICAL
 Filename : \\gcserver\gcdata\Projects\GC6\data\2009\gro090217\00850.dat
 Acquisition Date : 2/17/2009 12:26:33 PM
 Quantitation Date : 2/18/2009 6:26:47 PM
 Last Method Update : 2/18/2009 6:25:15 PM
 Method : \\gcserver\gcdata\Projects\GC6\method\2009\gro090217.met
 Sequence : \\gcserver\gcdata\Projects\GC6\Sequence\2009\gro090217.seq
 Data Description : {Data Description}

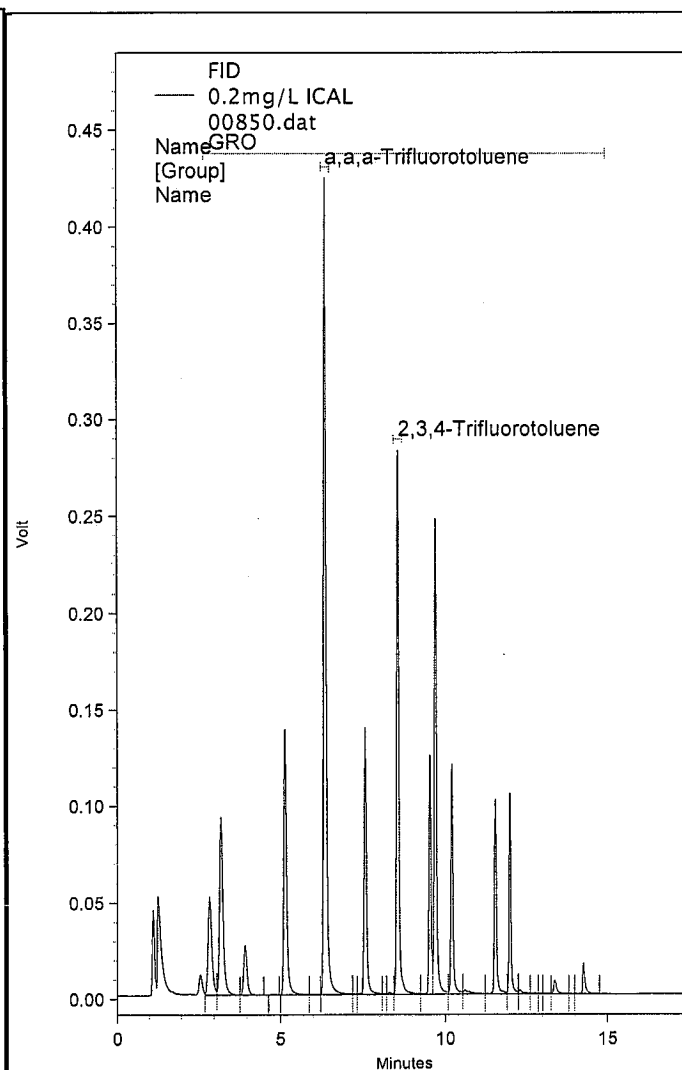
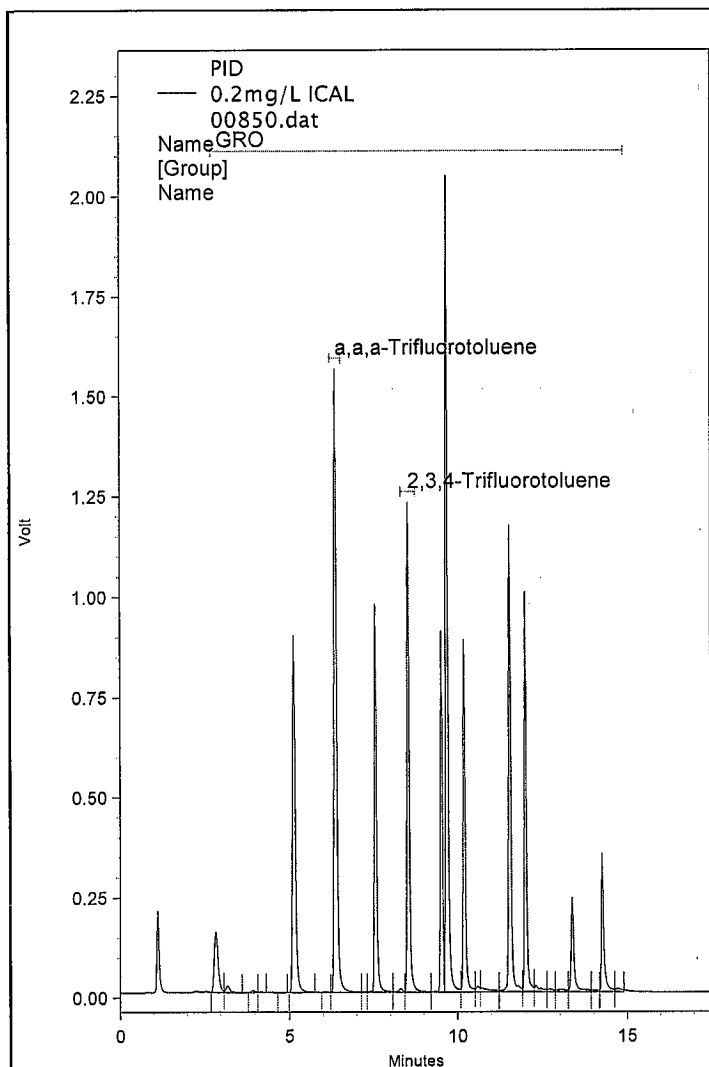
Instrument : GC6 (Offline)
 Data Acquired By : noltej
 Data Processed By : noltej
 Purge Position : 15
 Surr. Nom. Conc. : 0.1

PID Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Conc.	Conc. Units
a,a,a-Trifluorotoluene	6.370	6.373	8406578	VV	0.100	ppm
2,3,4-Trifluorotoluene	8.547	8.547	5587730	VV	0.060	ppm
GRO			41568167		0.205	ppm

FID Results

Name	RT	Expected RT	Peak Area	Integration Codes	conc.	Conc. Units
a,a,a-Trifluorotoluene	6.377	6.380	2294651 ✓	VV	0.100	ppm
2,3,4-Trifluorotoluene	8.553	8.553	1305610	VV	0.059	ppm
GRO			6057477		0.228	ppm



Column : DB-624 (30M x 0.53mm x 3.0u)

Total Volatile Petroleum Hydrocarbons / GRO (8015) Quantitation Report

ALS/Paragon

Sample : 0.5mg/L ICAL
 Filename : \\gcserver\gdata\Projects\GC6\data\2009\gro090217\00851.dat
 Acquisition Date : 2/17/2009 12:54:28 PM
 Quantitation Date : 2/18/2009 6:26:59 PM
 Last Method Update : 2/18/2009 6:25:15 PM
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 Sequence : \\gcserver\gdata\Projects\GC6\Sequence\2009\gro090217.seq
 Data Description : {Data Description}

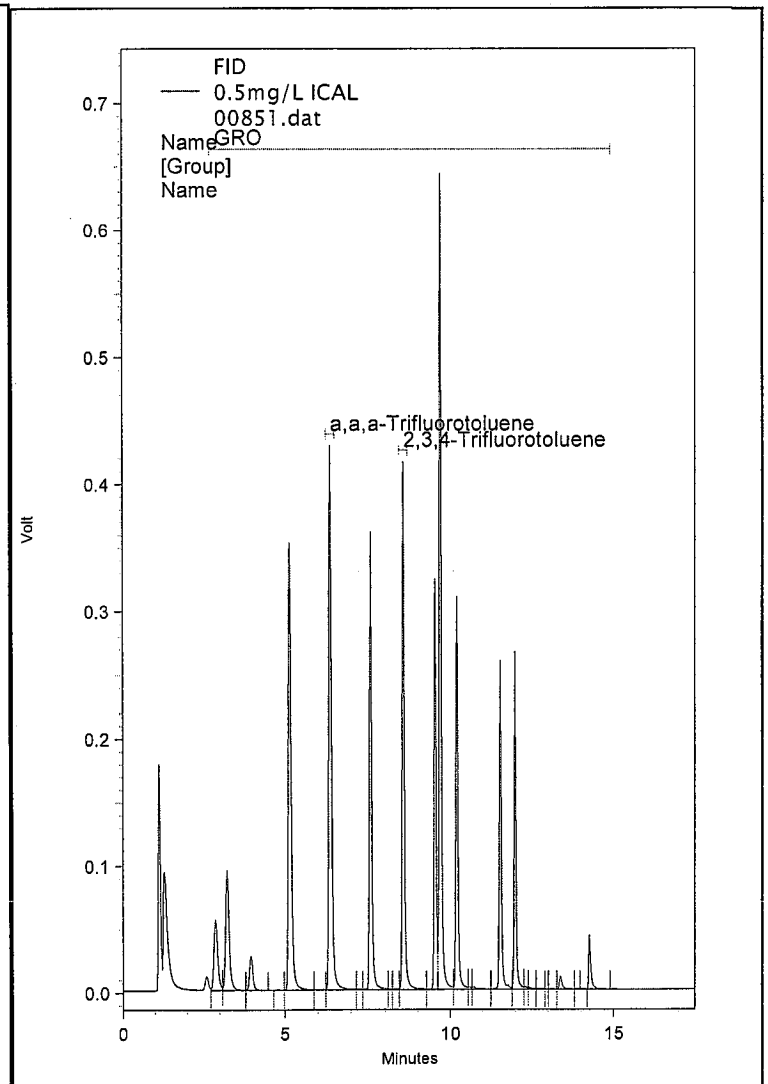
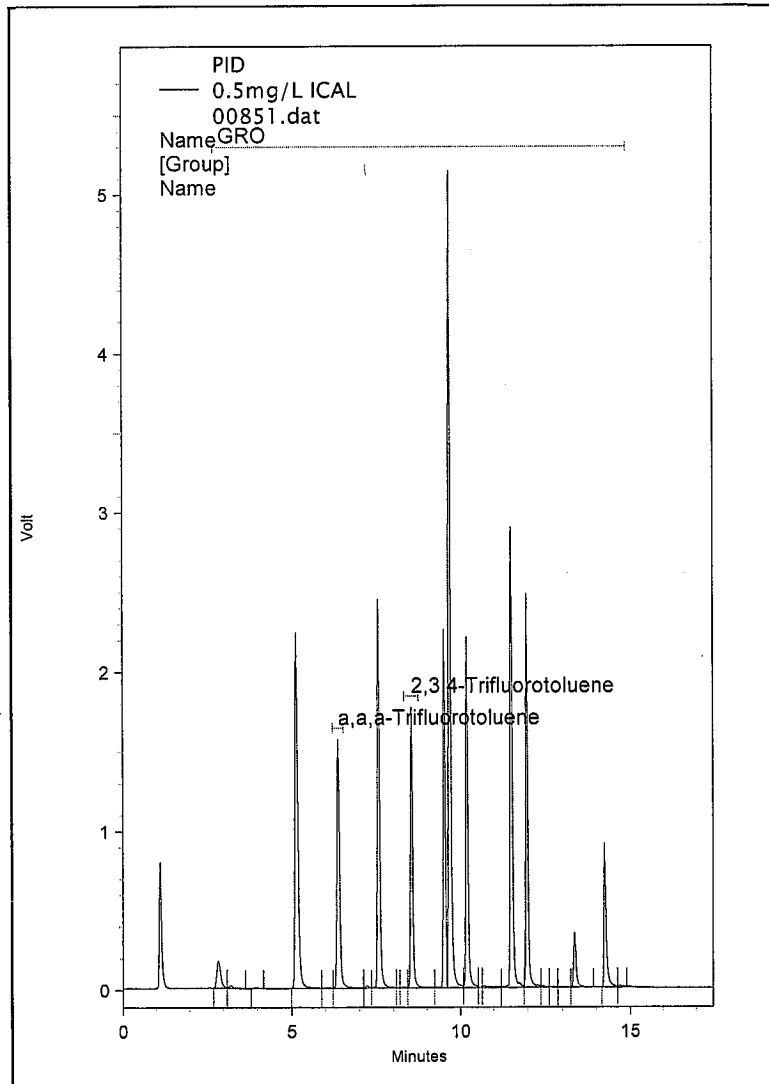
Instrument : GC6 (Offline)
 Data Acquired By : noltej
 Data Processed By : noltej
 Purge Position : 16
 Surr. Nom. Conc. : 0.1

PID Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Conc.	Conc. Units
a,a,a-Trifluorotoluene	6.373	6.373	8500121	VV	0.100	ppm
2,3,4-Trifluorotoluene	8.547	8.547	8001808	VV	0.084	ppm
GRO			97701116		0.511	ppm

FID Results

Name	RT	Expected RT	Peak Area	Integration Codes	conc.	Conc. Units
a,a,a-Trifluorotoluene	6.380	6.380	2325381	VV	0.100	ppm
2,3,4-Trifluorotoluene	8.553	8.553	1897728	VV	0.085	ppm
GRO			13320555		0.514	ppm



Column : DB-624 (30M x 0.53mm x 3.0u)

Total Volatile Petroleum Hydrocarbons / GRO (8015) Quantitation Report

ALS/Paragon

Sample : 1.5mg/L ICAL
 Filename : \\gcserver\gcdata\Projects\GC6\data\2009\gro090217\00852.dat
 Acquisition Date : 2/17/2009 1:24:05 PM
 Quantitation Date : 2/18/2009 6:27:11 PM
 Last Method Update : 2/18/2009 6:25:15 PM
 Method : \\gcserver\gcdata\Projects\GC6\method\2009\gro090217.met
 Sequence : \\gcserver\gcdata\Projects\GC6\Sequence\2009\gro090217.seq
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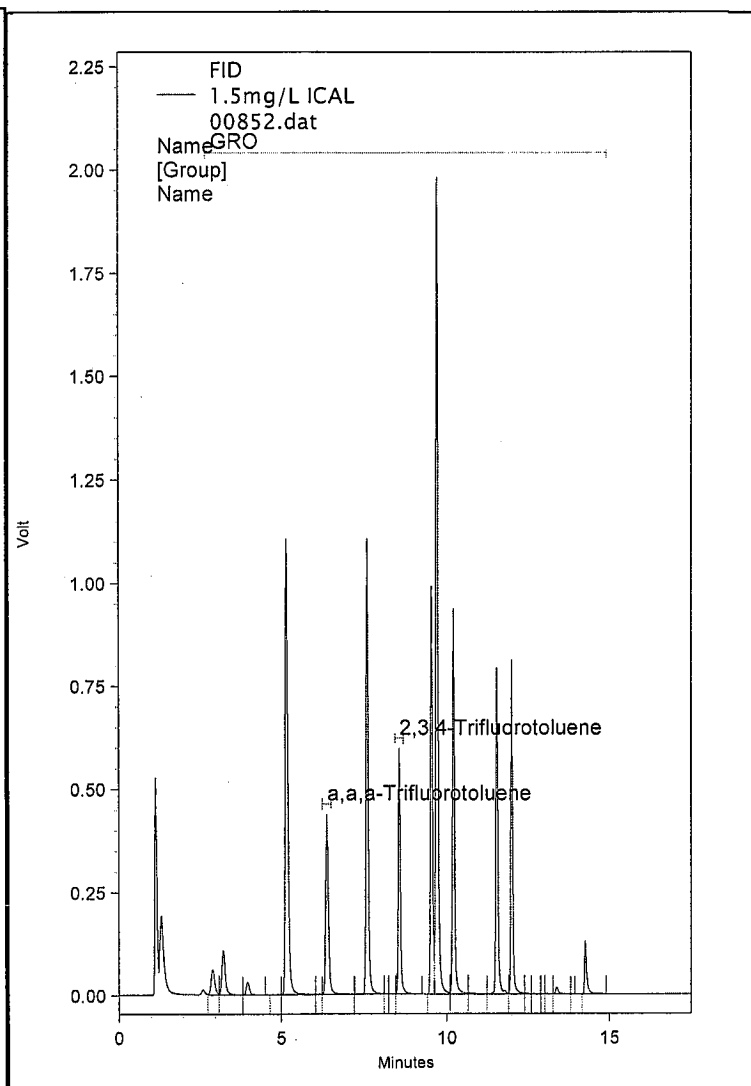
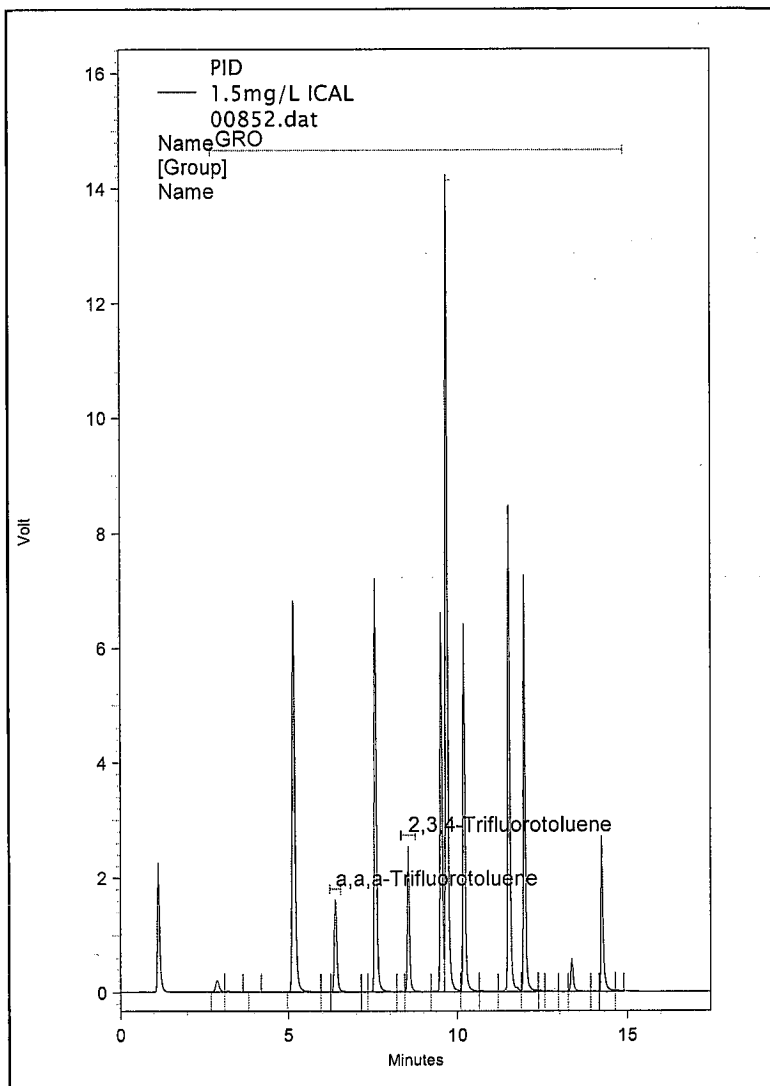
Instrument : GC6 (Offline)
 Data Acquired By : noltej
 Data Processed By : noltej
 Purge Position : 1
 Surr. Nom. Conc. : 0.1

PID Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Conc.	Conc. Units
a,a,a-Trifluorotoluene	6.380	6.373	8669322	VV	0.100	ppm
2,3,4-Trifluorotoluene	8.550	8.547	11421308	VV	0.118	ppm
GRO			278753652		1.494	ppm

FID Results

Name	RT	Expected RT	Peak Area	Integration Codes	conc.	Conc. Units
a,a,a-Trifluorotoluene	6.387	6.380	2331001✓	VV	0.100	ppm
2,3,4-Trifluorotoluene	8.557	8.553	2644302	VB	0.118	ppm
GRO			37049620		1.456	ppm



Column : DB-624 (30M x 0.53mm x 3.0u)

Total Volatile Petroleum Hydrocarbons / GRO (8015) Quantitation Report

ALS/Paragon

Sample : 3.0mg/L ICAL
 Filename : \\gcserver\gcddata\Projects\GC6\data\2009\gro090217\00853.dat
 Acquisition Date : 2/17/2009 1:52:31 PM
 Quantitation Date : 2/18/2009 6:27:22 PM
 Last Method Update : 2/18/2009 6:25:15 PM
 Method : \\gcserver\gcddata\Projects\GC6\method\2009\gro090217.met
 Sequence : \\gcserver\gcddata\Projects\GC6\Sequence\2009\gro090217.seq
 Data Description : {Data Description}

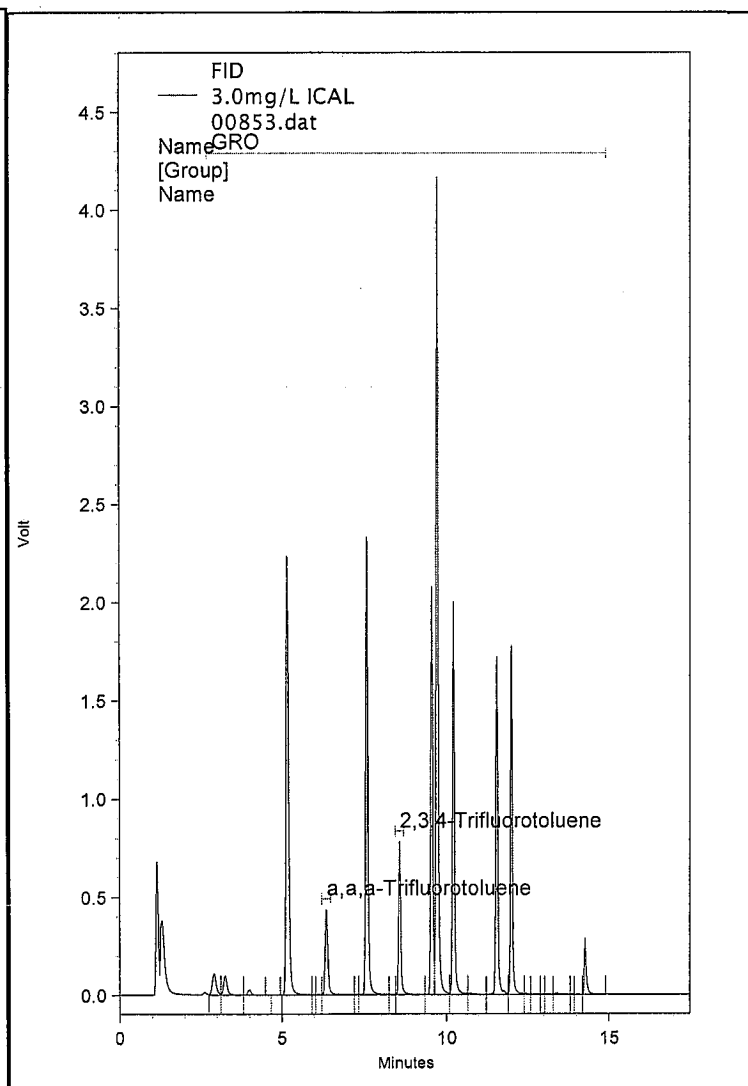
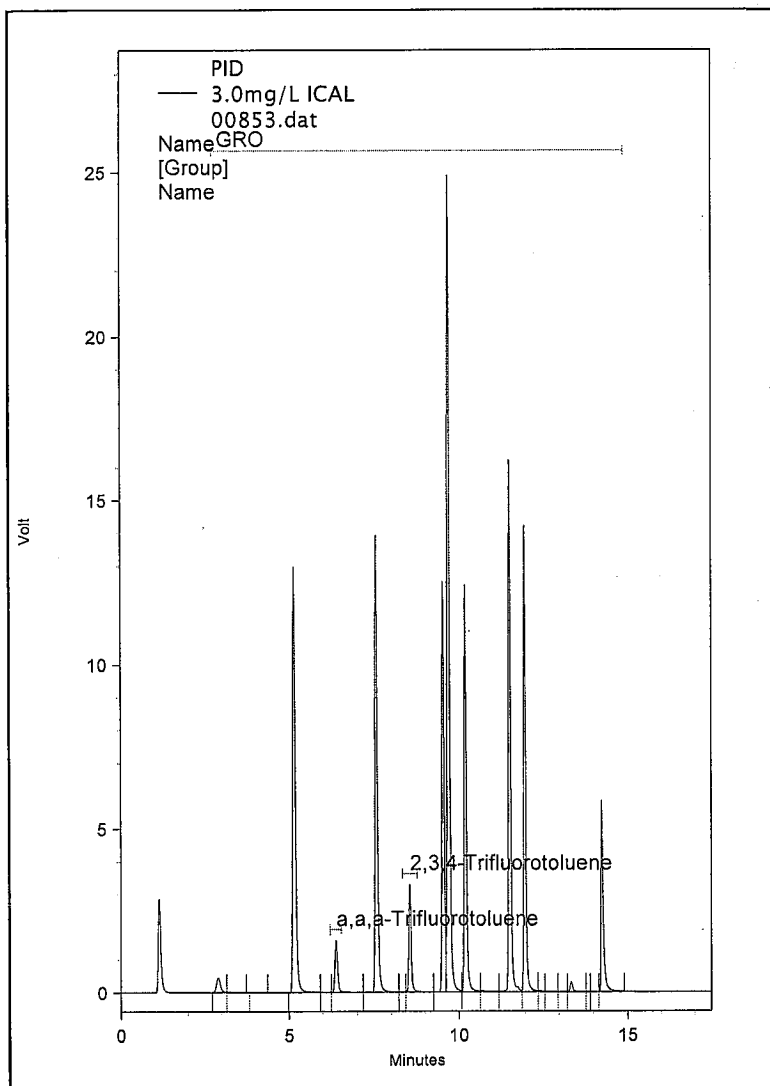
Instrument : GC6 (Offline)
 Data Acquired By : noltej
 Data Processed By : noltej
 Purge Position : 2
 Surr. Nom. Conc. : 0.1

PID Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Conc.	Conc. Units
a,a,a-Trifluorotoluene	6.383	6.373	8623582	VV	0.100	ppm
2,3,4-Trifluorotoluene	8.550	8.547	15001262	VV	0.156	ppm
GRO			539433907		3.001	ppm

FID Results

Name	RT	Expected RT	Peak Area	Integration Codes	conc.	Conc. Units
a,a,a-Trifluorotoluene	6.390	6.380	2347060 ✓	VV	0.100	ppm
2,3,4-Trifluorotoluene	8.557	8.553	3548656	VV	0.158	ppm
GRO			76860887		3.018	ppm



Column : DB-624 (30M x 0.53mm x 3.0u)

Total Volatile Petroleum Hydrocarbons / GRO (8015) Quantitation Report

ALS/Paragon

Sample : 0.5mg/L ICV
 Filename : \\gcserver\gcdata\Projects\GC6\data\2009\gro090217\00855.dat
 Acquisition Date : 2/17/2009 3:07:44 PM
 Quantitation Date : 2/18/2009 6:27:45 PM
 Last Method Update : 2/18/2009 6:25:15 PM
 Method : \\gcserver\gcdata\Projects\GC6\method\2009\gro090217.met
 Sequence : \\gcserver\gcdata\Projects\GC6\Sequence\2009\gro090217.seq
 Data Description : 5uL/5mL ST090217-3

Instrument : GC6 (Offline)
 Data Acquired By : noltej
 Data Processed By : noltej
 Purge Position : 4
 Surr. Nom. Conc. : 0.1

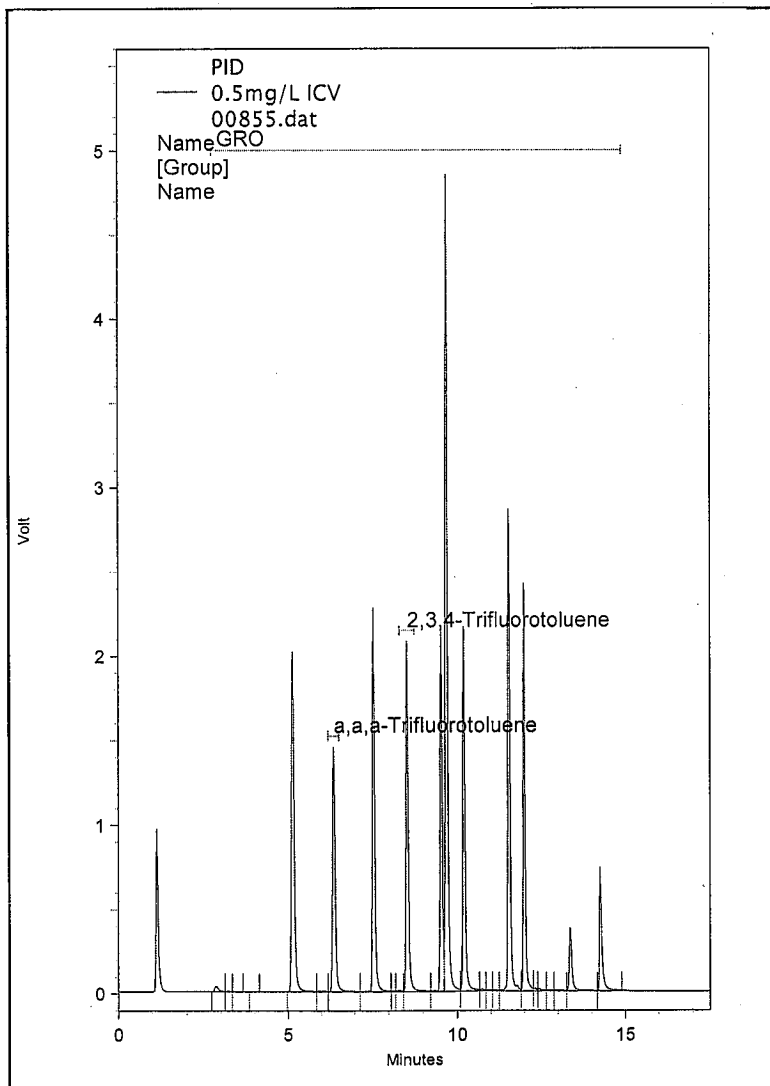
PID Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Conc.	Conc. Units
a,a,a-Trifluorotoluene	6.377	6.373	7863852	VV	0.100	ppm
2,3,4-Trifluorotoluene	8.553	8.547	9503595	VV	0.108	ppm
GRO			92428648		0.523	ppm

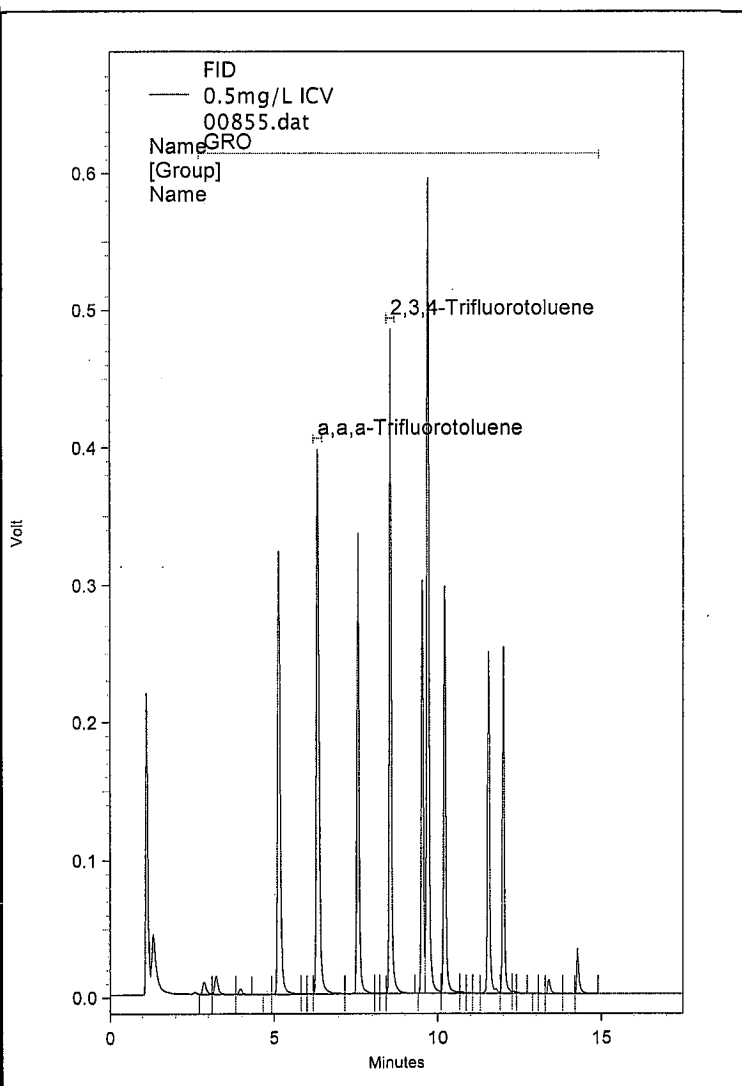
FID Results

Name	RT	Expected RT	Peak Area	Integration Codes	conc.	Conc. Units
a,a,a-Trifluorotoluene	6.380	6.380	2132825	VV	0.100	ppm
2,3,4-Trifluorotoluene	8.557	8.553	2191126	BB	0.107	ppm
GRO			11269473		0.473	ppm

94.6%



Column : DB-624 (30M x 0.53mm x 3.0u)



Total Volatile Petroleum Hydrocarbons / GRO (8015) Quantitation Report

ALS/Paragon

Sample : HCG090217-1CCSD
 Filename : \\gcserver\gcdata\Projects\GC6\data\2009\gro090217\00861.dat
 Acquisition Date : 2/17/2009 6:26:01 PM
 Quantitation Date : 2/18/2009 6:28:44 PM
 Last Method Update : 2/18/2009 6:25:15 PM
 Method : \\gcserver\gcdata\Projects\GC6\method\2009\gro090217.met
 Sequence : \\gcserver\gcdata\Projects\GC6\Sequence\2009\gro090217.seq
 Data Description : 0.5ppm water (5uL ST090216-7)

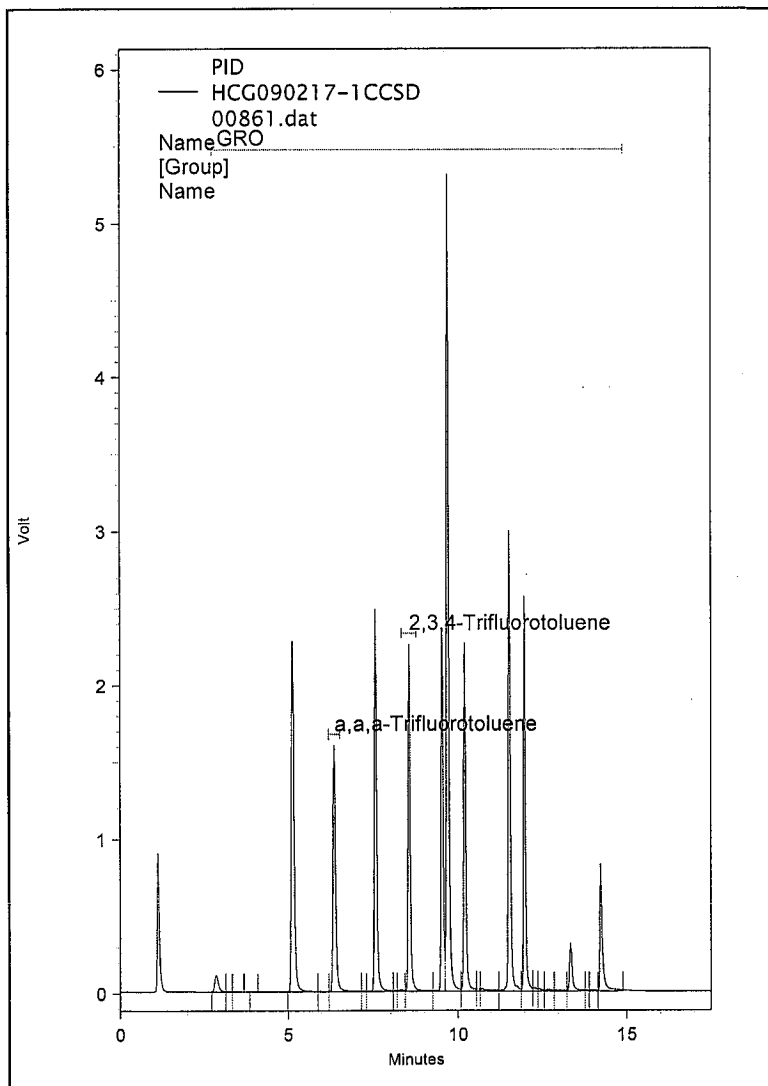
Instrument : GC6 (Offline)
 Data Acquired By : noltej
 Data Processed By : noltej
 Purge Position : 10
 Surr. Nom. Conc. : 0.1

PID Results

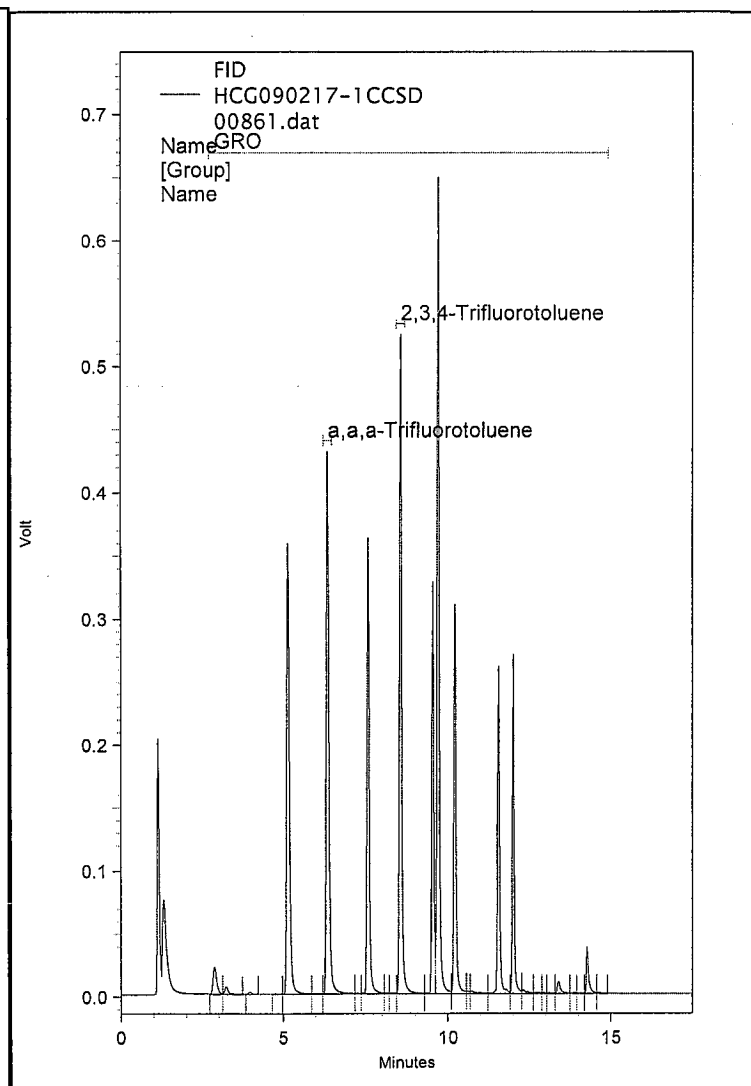
Compound Name	RT	Expected RT	Peak Area	Integration Codes	Conc.	Conc. Units
a,a,a-Trifluorotoluene	6.377	6.373	8650529	VV	0.100	ppm
2,3,4-Trifluorotoluene	8.550	8.547	10294506	VV	0.107	ppm
GRO			100059278		0.514	ppm

FID Results

Name	RT	Expected RT	Peak Area	Integration Codes	conc.	Conc. Units
a,a,a-Trifluorotoluene	6.383	6.380	2322728	VV	0.100	ppm
2,3,4-Trifluorotoluene	8.557	8.553	2379072	VV	0.107	ppm
GRO			12291551		0.474	ppm



Column : DB-624 (30M x 0.53mm x 3.0u)



Sample Raw Data

Total Volatile Petroleum Hydrocarbons / GRO (8015) Quantitation Report

ALS/Paragon

Sample : HCG090217-1MB

Filename : \\gcserver\gcdata\Projects\GC6\data\2009\gro090217\00857.dat

Acquisition Date : 2/17/2009 4:08:43 PM

Quantitation Date : 2/18/2009 6:28:05 PM

Last Method Update : 2/18/2009 6:25:15 PM

Method : \\gcserver\gcdata\Projects\GC6\method\2009\gro090217.met

Sequence : \\gcserver\gcdata\Projects\GC6\Sequence\2009\gro090217.seq

Data Description : water

Instrument : GC6 (Offline)

Data Acquired By : noltej

Data Processed By : noltej

Purge Position : 6

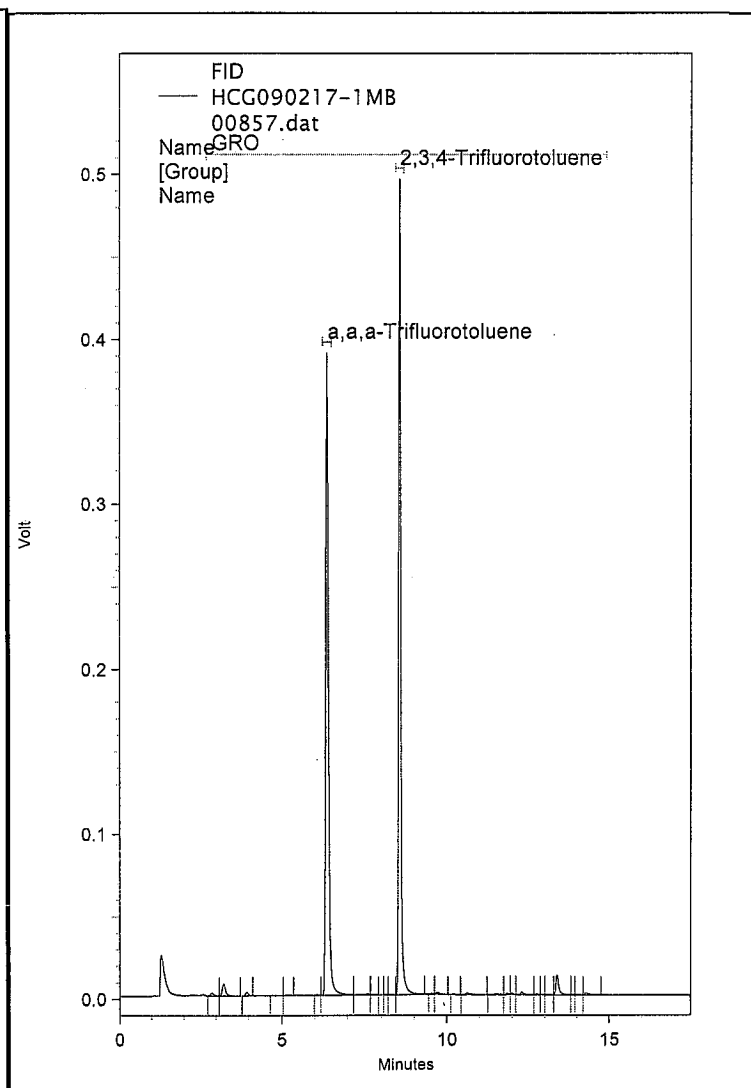
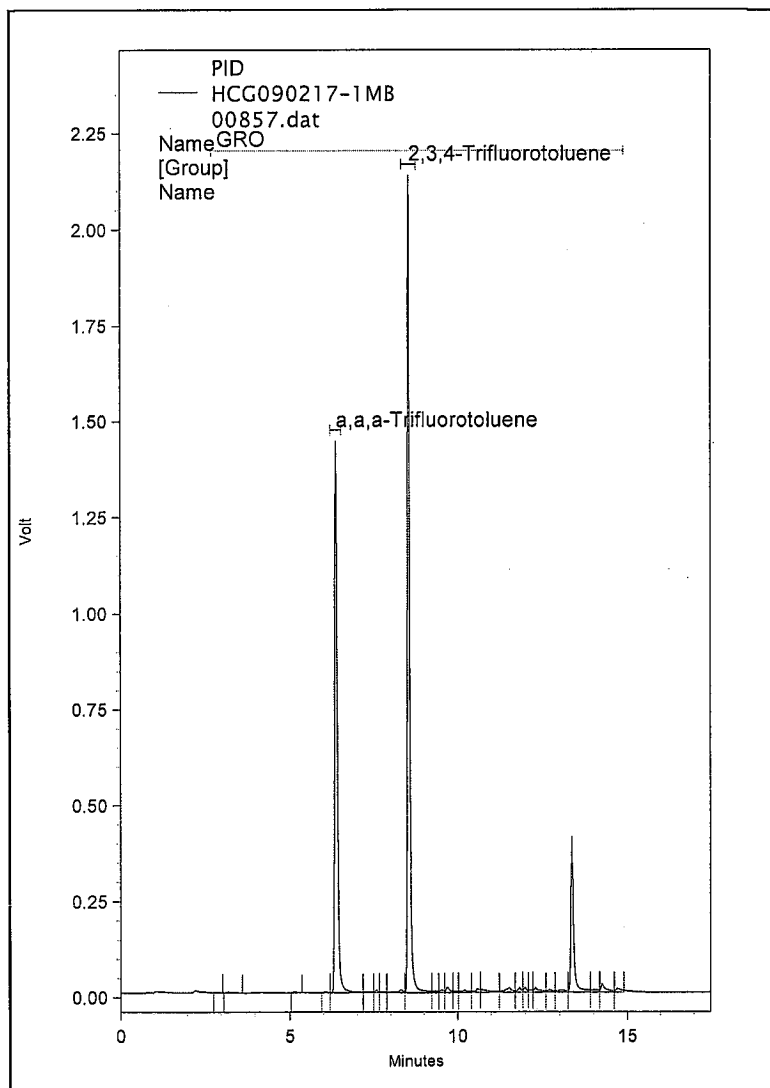
Surr. Nom. Conc. : 0.1

PID Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Conc.	Conc. Units
a,a,a-Trifluorotoluene	6.377	6.373	7806529	VV	0.100	ppm
2,3,4-Trifluorotoluene	8.550	8.547	9789124	VV	0.112	ppm
GRO			4205516		0.002	ppm

FID Results

Name	RT	Expected RT	Peak Area	Integration Codes	conc.	Conc. Units
a,a,a-Trifluorotoluene	6.383	6.380	2112773	VV	0.100	ppm
2,3,4-Trifluorotoluene	8.553	8.553	2258175	BB	0.111	ppm
GRO			277147		0.000	ppm



Column : DB-624 (30M x 0.53mm x 3.0u)

Total Volatile Petroleum Hydrocarbons / GRO (8015) Quantitation Report

ALS/Paragon

Sample : 0902111-1 100x
 Filename : \\gcserver\gcdata\Projects\GC6\data\2009\gro090217\00860.dat
 Acquisition Date : 2/17/2009 5:59:11 PM
 Quantitation Date : 2/18/2009 6:28:34 PM
 Last Method Update : 2/18/2009 6:25:15 PM
 Method : \\gcserver\gcdata\Projects\GC6\method\2009\gro090217.met
 Sequence : \\gcserver\gcdata\Projects\GC6\Sequence\2009\gro090217.seq
 Data Description : 50uL/5mL, pH~5

Instrument : GC6 (Offline)
 Data Acquired By : noltej
 Data Processed By : noltej
 Purge Position : 9
 Surr. Nom. Conc. : 0.1

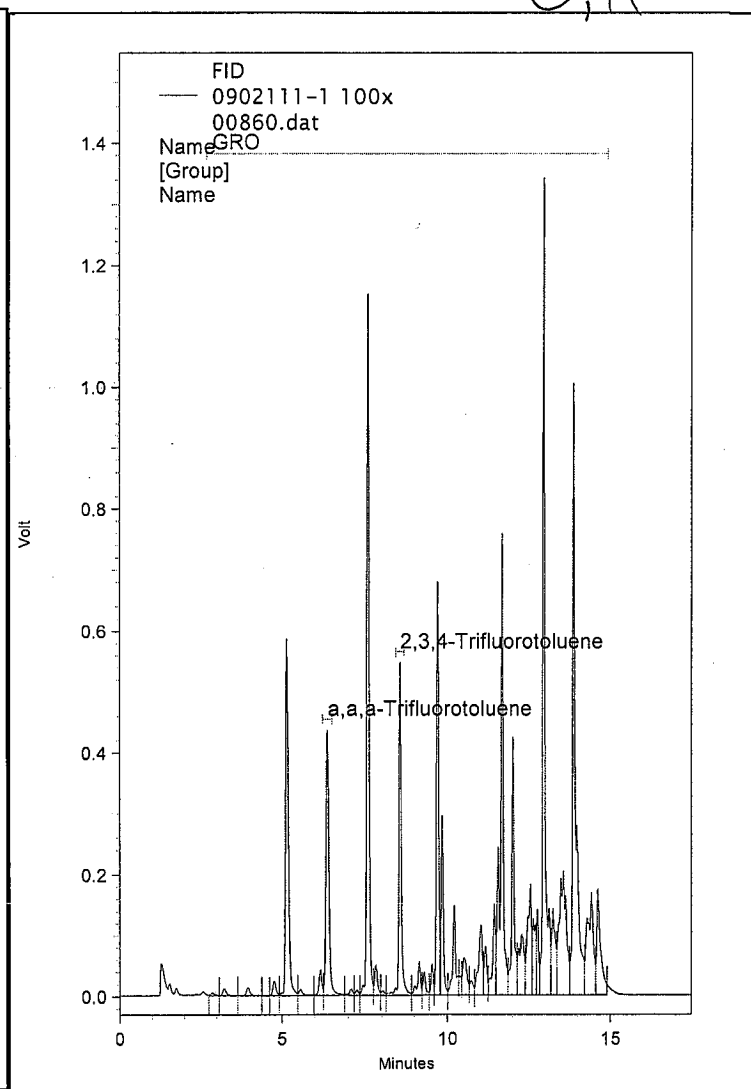
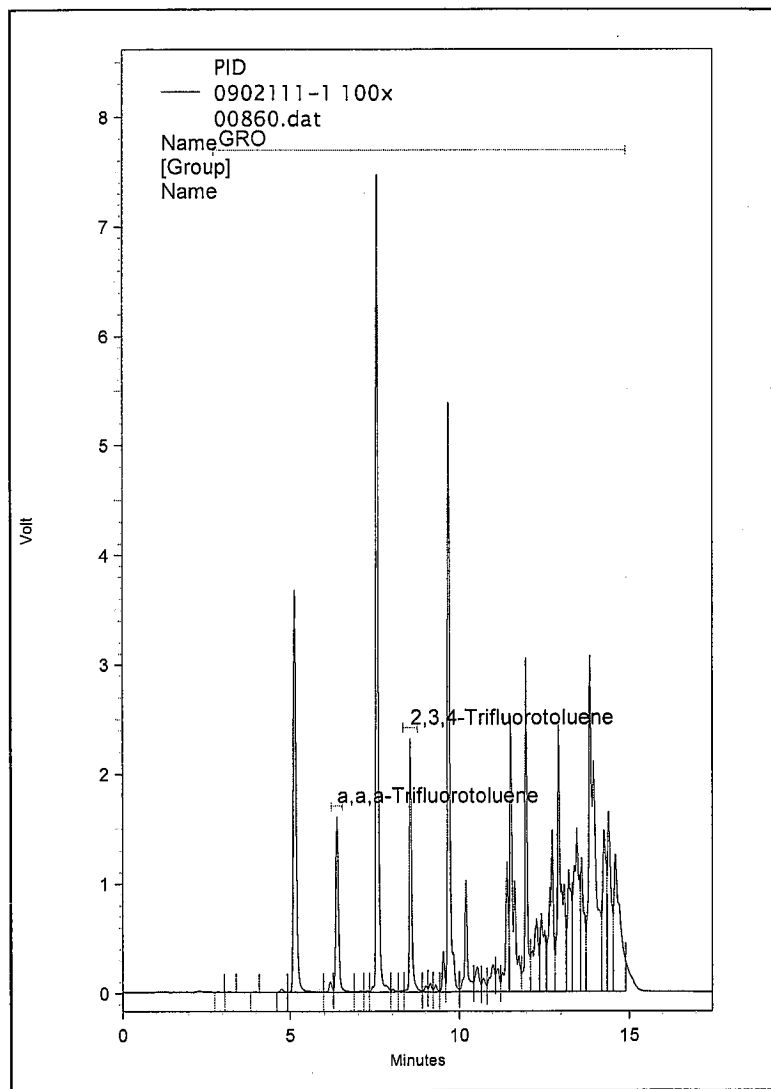
PID Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Conc.	Conc. Units
a,a,a-Trifluorotoluene	6.373	6.373	8650057	VV	0.100	ppm
2,3,4-Trifluorotoluene	8.550	8.547	10998900	VV	0.114	ppm
GRO			290775245		1.564	ppm

FID Results

Name	RT	Expected RT	Peak Area	Integration Codes	conc.	Conc. Units
a,a,a-Trifluorotoluene	6.380	6.380	2378737	VV	0.100	ppm
2,3,4-Trifluorotoluene	8.557	8.553	2710257	VV	0.119	ppm
GRO			50372266		1.946	ppm

G, H



Column : DB-624 (30M x 0.53mm x 3.0u)

Raw Data Quality Control Samples

Total Volatile Petroleum Hydrocarbons / GRO (8015) Quantitation Report

ALS/Paragon

Sample : HCG090217-1LCS

Filename : \\gcserver\gcdata\Projects\GC6\data\2009\gro090217\00856.dat

Acquisition Date : 2/17/2009 3:40:49 PM

Quantitation Date : 2/18/2009 6:27:55 PM

Last Method Update : 2/18/2009 6:25:15 PM

Method : \\gcserver\gcdata\Projects\GC6\method\2009\gro090217.met

Sequence : \\gcserver\gcdata\Projects\GC6\Sequence\2009\gro090217.seq

Data Description : 0.5ppm water (5uL ST090216-7)

Instrument : GC6 (Offline)

Data Acquired By : noltej

Data Processed By : noltej

Purge Position : 5

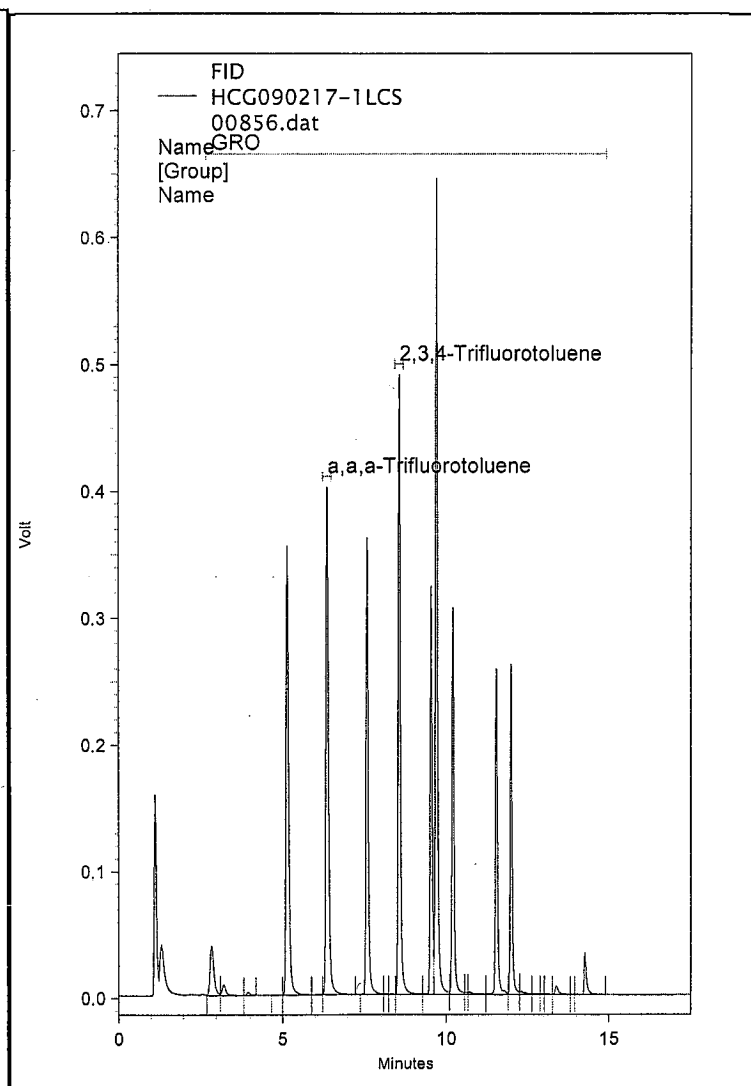
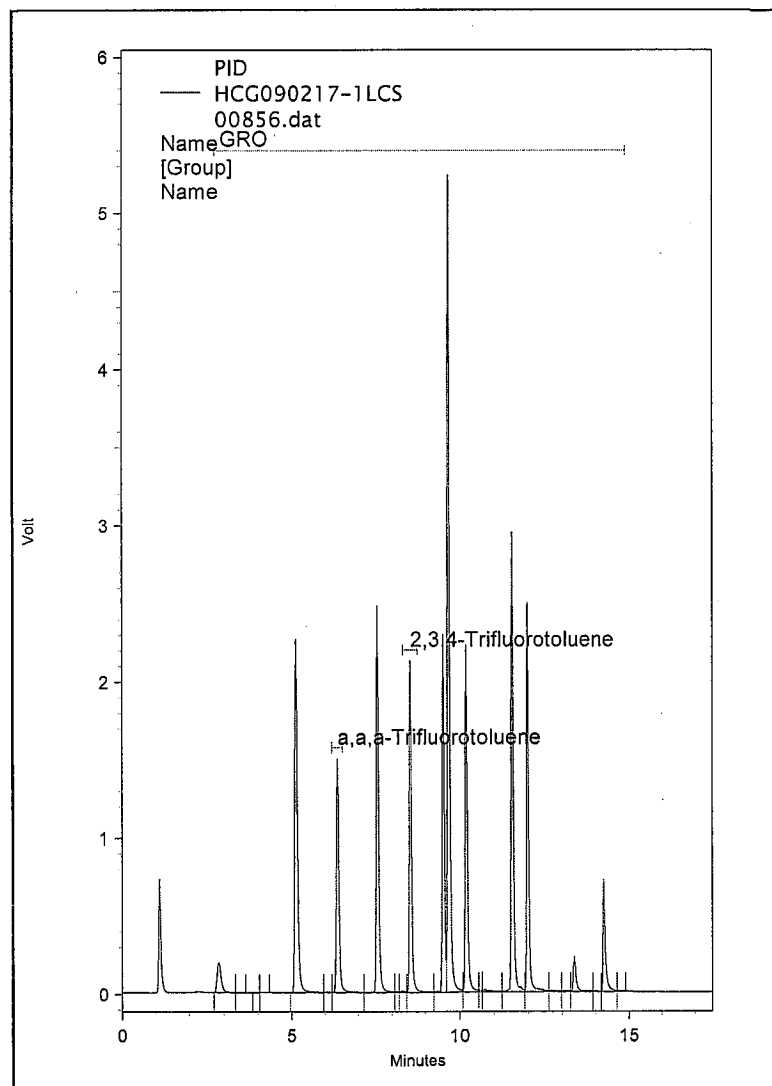
Surr. Nom. Conc. : 0.1

PID Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Conc.	Conc. Units
a,a,a-Trifluorotoluene	6.380	6.373	8158798	VV	0.100	ppm
2,3,4-Trifluorotoluene	8.553	8.547	9680456	VV	0.106	ppm
GRO			98755047		0.539	ppm

FID Results

Name	RT	Expected RT	Peak Area	Integration Codes	conc.	Conc. Units
a,a,a-Trifluorotoluene	6.383	6.380	2163413	VB	0.100	ppm
2,3,4-Trifluorotoluene	8.557	8.553	2221470	VV	0.107	ppm
GRO			12265332		0.509	ppm



Column : DB-624 (30M x 0.53mm x 3.0u)

Total Volatile Petroleum Hydrocarbons / GRO (8015) Quantitation Report

ALS/Paragon

Sample : HCG090217-1CCSD
 Filename : \\gcserver\gcdata\Projects\GC6\data\2009\gro090217\00861.dat
 Acquisition Date : 2/17/2009 6:26:01 PM
 Quantitation Date : 2/18/2009 6:28:44 PM
 Last Method Update : 2/18/2009 6:25:15 PM
 Method : \\gcserver\gcdata\Projects\GC6\method\2009\gro090217.met
 Sequence : \\gcserver\gcdata\Projects\GC6\Sequence\2009\gro090217.seq
 Data Description : 0.5ppm water (5uL ST090216-7)

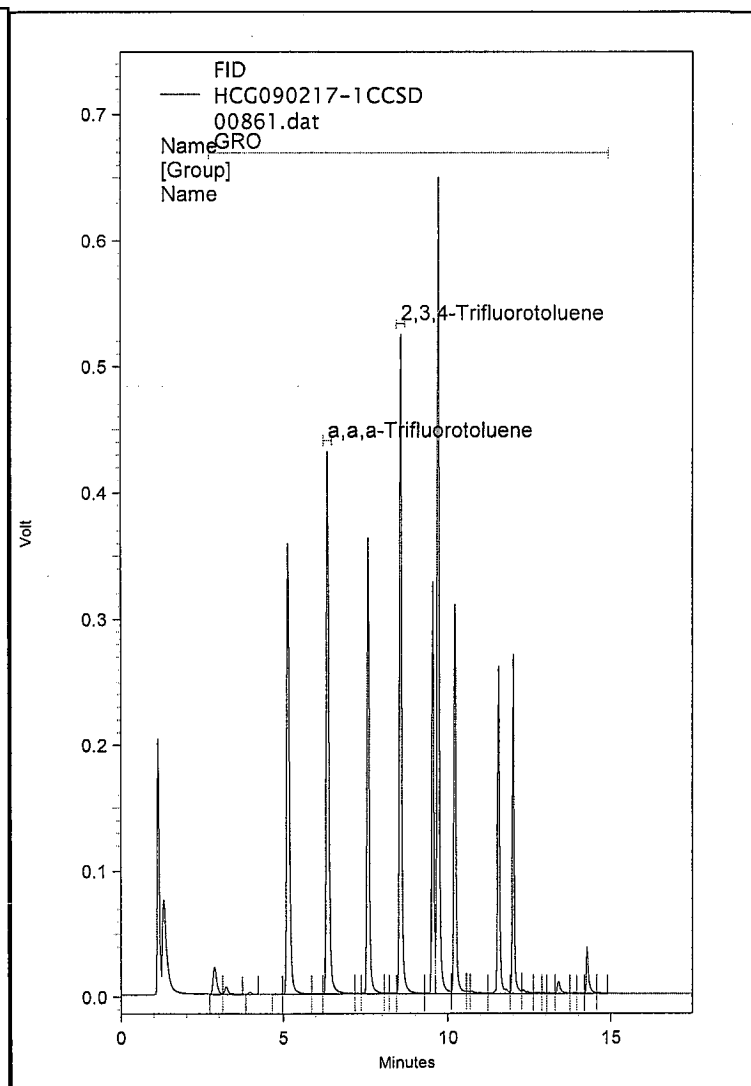
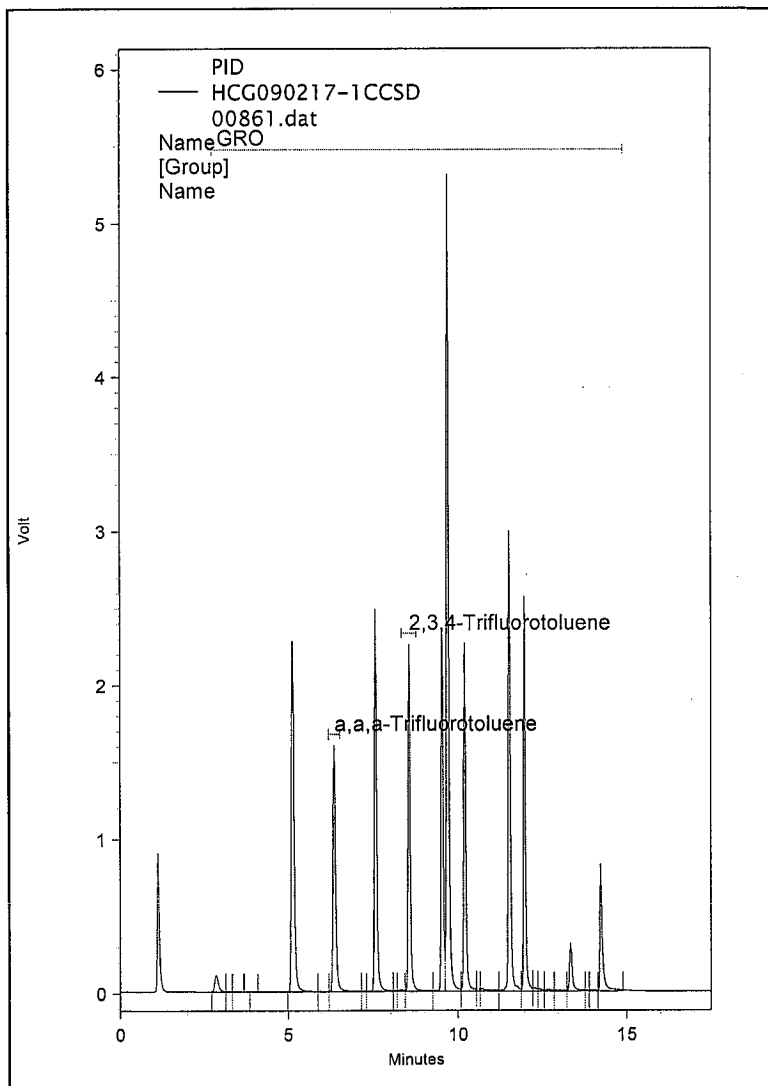
Instrument : GC6 (Offline)
 Data Acquired By : noltej
 Data Processed By : noltej
 Purge Position : 10
 Surr. Nom. Conc. : 0.1

PID Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Conc.	Conc. Units
a,a,a-Trifluorotoluene	6.377	6.373	8650529	VV	0.100	ppm
2,3,4-Trifluorotoluene	8.550	8.547	10294506	VV	0.107	ppm
GRO			100059278		0.514	ppm

FID Results

Name	RT	Expected RT	Peak Area	Integration Codes	conc.	Conc. Units
a,a,a-Trifluorotoluene	6.383	6.380	2322728	VV	0.100	ppm
2,3,4-Trifluorotoluene	8.557	8.553	2379072	VV	0.107	ppm
GRO			12291551		0.474	ppm



Column : DB-624 (30M x 0.53mm x 3.0u)



ALS Paragon



GC/MS Volatiles Case Narrative

URS

Williams-Rio Blanca -- 22240417.00001

Work Order Number: 0902111

1. This report consists of 2 water samples. The samples were received cool and intact by ALS Paragon on 02/13/09. All aqueous samples were free of headspace prior to analysis.

Sample 0902111-1, provided for volatiles, had a pH > 2 at the time of analysis. All other samples had a pH < 2 at the time of analysis.

2. These samples were prepared according to SW-846, 3rd Edition procedures. Specifically, the water samples were prepared by purging 5 mL using purge and trap procedures based on Method 5030C.
3. The samples were analyzed using GC/MS with an RTX-624, RTX-VMS, or equivalent capillary column according to SOP 525 Revision 12 based on SW-846 Method 8260B. All positive results were quantitated against the initial calibration standards using the internal standard technique. The identification of positive results was achieved by a comparison of the retention time and mass spectrum of the sample versus the daily calibration standard.
4. All initial calibration criteria for SPCC's and CCC's were met. If average response factors were used in the initial calibration, %RSD was $\leq 15\%$. If linear or higher order regression calibrations were used in the initial calibration, the coefficient of determination (r^2) ≥ 0.99 .
5. All initial calibrations are verified by comparing a second source standard calibration verification (ICV) against the calibration curve. All target compounds in the second source verification had a %D of less than 25%.
6. All criteria for SPCC's and CCC's were met in daily (continuing) calibration verifications (CCV).
7. Methylene chloride, acetone and 2-butanone are common laboratory contaminants. In order to minimize the levels of these compounds detected in the gc/ms analysis, ALS Paragon has designated its volatile laboratory as a restricted access area. In addition, the laboratory has been equipped with a dedicated, air intake and exhaust system that operates under positive pressure in order to minimize cross contamination of these compounds. Due to fluctuations in ambient laboratory conditions,



reported sample values for common laboratory contaminants may be due to lab contamination even if the compound in question is not detected in the associated method blank.

All method blank criteria were met.

8. All laboratory control sample and laboratory control sample duplicate recoveries and RPDs were within the acceptance criteria.
9. Since a sample from this order number was not the selected quality control (QC) sample, matrix specific QC results are not included in this report.
10. The samples were analyzed within the established holding time.
11. All surrogate recoveries were within acceptance criteria.
12. All internal standard recoveries were within acceptance criteria.
13. Due to the concentration of target analytes, samples 0902111-1 and -1RR1 were analyzed at a dilution. The reporting limits have been adjusted accordingly.
14. Manual integrations are performed when needed to provide consistent and defensible data following the guidelines in SOP 939 Revision 3. The chromatographic data system marks the manual integrations with an m on the quantitation report. Whenever manual integrations are performed, before and after chromatograms of the peak that was manually integrated are included in the report along with the reason why the re-integration was necessary.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS Paragon certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

SY
Sharon L. Jobs
Organics Primary Data Reviewer

2-25-09
Date

Steve D. White
Organics Final Data Reviewer

2/25/09
Date



ALS Paragon
Data Qualifier Flags
Chromatography and Mass Spectrometry

U or ND:	This flag indicates that the compound was analyzed for but not detected.
J:	This flag indicates an estimated value. This flag is used as follows : (1) when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed; (2) when the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the reporting limit (RL) but greater than the method detection limit (MDL); (3) when the retention time data indicate the presence of a compound that meets the GC identification criteria, and the result is less than the RL but greater than the MDL; and (4) the reported value is estimated.
B:	This flag is used when the analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user. This flag shall be used for a tentatively identified compound (TIC) as well as for a positively identified target compound.
E:	This flag identifies compounds whose concentration exceeds the upper level of the calibration range.
A:	This flag indicates that a tentatively identified compound is a suspected aldol-condensation product.
X:	This flag indicates that the analyte was diluted below an accurate quantitation level.
*:	This flag indicates that a spike recovery is equal to or outside the control criteria used.
+: 	This flag indicates that the relative percent difference (RPD) equals or exceeds the control criteria.

ALS Paragon

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0902111

Client Name: URS

Client Project Name: Williams-Rio Blanca

Client Project Number: 22240417.00001

Client PO Number: Williams 2008

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
FE-RG-11-7-397-PW-GPTF	0902111-1		WATER	12-Feb-09	12:15
Trip Blank 011309	0902111-2		WATER	12-Feb-09	



C Documents and Settings\david_slack\My Documents\Mike Mestas Computer Contents Labels Genenc Paragon Water COC doc 2/11/09 2:16 PM

CONDITION OF SAMPLE UPON RECEIPT FORM

Paragon Analytics

Client: URSWorkorder No: 0902111Project Manager: AWInitials: LJO Date: 2/13/09

1. Does this project require any special handling in addition to standard Paragon procedures?	YES	<input checked="" type="radio"/> NO
2. Are custody seals on shipping containers intact?	NONE	<input checked="" type="radio"/> YES NO
3. Are Custody seals on sample containers intact?	<input checked="" type="radio"/> NONE	YES NO
4. Is there a COC (Chain-of-Custody) present or other representative documents?	<input checked="" type="radio"/> YES	NO
5. Are the COC and bottle labels complete and legible ?	<input checked="" type="radio"/> YES	NO
6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)	<input checked="" type="radio"/> YES	NO
7. Were airbills / shipping documents present and/or removable?	DROP OFF	<input checked="" type="radio"/> YES NO
8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles)	N/A	YES <input checked="" type="radio"/> NO
9. Are all aqueous non-preserved samples pH 4-9 ?	N/A	<input checked="" type="radio"/> YES NO
10. Is there sufficient sample for the requested analyses?	<input checked="" type="radio"/> YES	NO
11. Were all samples placed in the proper containers for the requested analyses?	<input checked="" type="radio"/> YES	NO
12. Are all samples within holding times for the requested analyses?	<input checked="" type="radio"/> YES	NO
13. Were all sample containers received intact ? (not broken or leaking, etc.)	<input checked="" type="radio"/> YES	NO
14. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: <u> </u> < green pea <u> </u> > green pea	N/A	YES <input checked="" type="radio"/> NO
15. Do perchlorate LCMS-MS samples have headspace? (at least 1/3 of container required)	<input checked="" type="radio"/> N/A	YES NO
16. Were samples checked for and free from the presence of residual chlorine ? (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	<input checked="" type="radio"/> N/A	YES NO
17. Were the samples shipped on ice ?	<input checked="" type="radio"/> YES	NO
18. Were cooler temperatures measured at 0.1-6.0°C?	IR gun used*: <input checked="" type="radio"/> #2 #4	RAD ONLY <input checked="" type="radio"/> YES NO
Cooler #: <u>1</u>		
Temperature (°C): <u>3.8</u>		
No. of custody seals on cooler: <u>1</u>		
External µR/hr reading: <u>12</u>		
Background µR/hr reading: <u>12</u>		
Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? <input checked="" type="radio"/> YES / NO / NA (If no, see Form 008.)		

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND #16.

- ★ Sample #1 (FE-RG-11-7-397-PW-GPTF) the 1L poly for metals analysis was received at pH 5.0. 20 ml HNO₃ (G17027-Lot#) was added at 1200 on 2/13/09 by LJO for a final pH < 2.
- Sample #1 (FE-RG-11-7-397-PW-GPTF) 2 of 3 40ml VOC vial contain headspace > pea.
 ↓ ↓ ↓ 3 of 3 ↓ GRO ↓ ↓ ↓ > pea.
- Sample #1 - time on bottles: 12:15

If applicable, was the client contacted? ☒ YES / NO / NA Contact: Sheri O'Connor Date/Time: c-mail 2/13/09Project Manager Signature / Date: [Signature] 2/13/09

*IR Gun #2: Oakton, SN 29922500201-0066

*IR Gun #4: Oakton, SN 2372220101-0002



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State OH

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3 To

Recipient's Name DEB FAZIO

Phone 970 950-1311

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☐ **FedEx 2Day Freight**
Second business day delivery, guaranteed.
Shipment will be delivered on Monday unless SATURDAY Delivery is selected.

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Third business day delivery, guaranteed.
Shipment will be delivered on Monday unless SATURDAY Delivery is selected.

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☐ **FedEx 3Day Freight**
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Shipment will be delivered on Monday unless SATURDAY Delivery is selected.

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* To most locations.

* To most locations.

* To most locations.

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Someone at the address may sign for delivery. Fee applies.

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Someone at the address may sign for delivery. Fee applies.

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Analytical Results

GC/MS Volatiles

Method SW8260B

Method Blank

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: VL090219-2MB

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 19-Feb-09

Date Analyzed: 19-Feb-09

Prep Batch: VL090219-2

QCBatchID: VL090219-2-2

Run ID: VL090219-2A

Cleanup: NONE

Basis: N/A

File Name: B55313

Sample Aliquot: 5 ml

Final Volume: 5 ml

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
71-43-2	BENZENE	1	5	5	1.7	U	
108-88-3	TOLUENE	1	5	5	1.7	U	
100-41-4	ETHYLBENZENE	1	5	5	1.7	U	
136777-61-2	M+P-XYLENE	1	5	5	1.7	U	
95-47-6	O-XYLENE	1	5	5	1.7	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	51.8		50	104	74 - 123
1868-53-7	DIBROMOFLUOROMETHANE	43.6		50	87	79 - 120
2037-26-5	TOLUENE-D8	45.3		50	91	83 - 120

Data Package ID: VL0902111-1

Date Printed: Wednesday, February 25, 2009

ALS Paragon

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GC/MS Volatiles

Method SW8260B

Sample Results

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID:	Trip Blank 011309
Lab ID:	0902111-2

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 12-Feb-09

Date Extracted: 19-Feb-09

Date Analyzed: 19-Feb-09

Prep Method: SW5030 Rev C

Prep Batch: VL090219-2

QCBatchID: VL090219-2-2

Run ID: VL090219-2A

Cleanup: NONE

Basis: As Received

File Name: B55315

Sample Aliquot: 5 ml

Final Volume: 5 ml

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
71-43-2	BENZENE	1	5	5	1.7	U	
108-88-3	TOLUENE	1	5	5	1.7	U	
100-41-4	ETHYLBENZENE	1	5	5	1.7	U	
136777-61-2	M+P-XYLENE	1	5	5	1.7	U	
95-47-6	O-XYLENE	1	5	5	1.7	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	52.9		50	106	74 - 123
1868-53-7	DIBROMOFLUOROMETHANE	43.4		50	87	79 - 120
2037-26-5	TOLUENE-D8	46.1		50	92	83 - 120

Data Package ID: VL0902111-1

GC/MS Volatiles

Method SW8260B

Sample Results

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID:	FE-RG-11-7-397-PW-GPTF
Lab ID:	0902111-1

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 12-Feb-09

Date Extracted: 19-Feb-09

Date Analyzed: 19-Feb-09

Prep Method: SW5030 Rev C

Prep Batch: VL090219-2

QCBatchID: VL090219-2-2

Run ID: VL090219-2A

Cleanup: NONE

Basis: As Received

File Name: B55336

Sample Aliquot: 5 ml

Final Volume: 5 ml

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
71-43-2	BENZENE	200	8000	1000	330		
108-88-3	TOLUENE	200	16000	1000	330		
100-41-4	ETHYLBENZENE	200	590	1000	330	J	
136777-61-2	M+P-XYLENE	200	6800	1000	330		
95-47-6	O-XYLENE	200	1200	1000	330		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	10800		10000	108	74 - 123
1868-53-7	DIBROMOFLUOROMETHANE	8560		10000	86	79 - 120
2037-26-5	TOLUENE-D8	9210		10000	92	83 - 120

Data Package ID: VL0902111-1

Date Printed: Wednesday, February 25, 2009

ALS Paragon

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GC/MS Volatiles

Method SW8260B

Sample Results

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-11-7-397-PW-GPTF
Lab ID: 0902111-1RR1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 12-Feb-09
Date Extracted: 19-Feb-09
Date Analyzed: 19-Feb-09
Prep Method: SW5030 Rev C

Prep Batch: VL090219-2
QCBatchID: VL090219-2-2
Run ID: VL090219-2A
Cleanup: NONE
Basis: As Received
File Name: B55337

Sample Aliquot: 5 ml
Final Volume: 5 ml
Result Units: UG/L
Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
71-43-2	BENZENE	50	8000	250	83	E	
108-88-3	TOLUENE	50	16000	250	83	E	
100-41-4	ETHYLBENZENE	50	570	250	83		
136777-61-2	M+P-XYLENE	50	6700	250	83		
95-47-6	O-XYLENE	50	1200	250	83		

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	2710		2500	108	74 - 123
1868-53-7	DIBROMOFLUOROMETHANE	2170		2500	87	79 - 120
2037-26-5	TOLUENE-D8	2320		2500	93	83 - 120

Data Package ID: VL0902111-1

Date Printed: Wednesday, February 25, 2009

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Supporting QA/QC Data

Surrogate Summary for GC/MS Volatiles

Method SW8260B

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

PrepBatchID: VL090219-2

QC Batch ID: VL090219-2-2

Date Extracted: 2/19/2009

Surrogate Compound	Control Limits	
	Lower	Upper
Dibromofluoromethane	79	120
Toluene-d8	83	120
4-Bromofluorobenzene	74	123
1,2-dichloroethane-d4		

Lab ID	Client Sample ID	Date Collected	Date Received	DBFM % Recovery	BZMED8 % Recovery	BR4FBZ % Recovery	12DCED4 % Recovery
VL090219-2LCS	XXXXXXX	NA	XXXXXXX	86	89	103	
VL090219-2LCSD	XXXXXXX	NA	XXXXXXX	86	90	108	
VL090219-2MB	XXXXXXX	NA	XXXXXXX	87	91	104	
0902111-2	Trip Blank 011309	2/12/2009	2/13/2009	87	92	106	
0902111-1	FE-RG-11-7-397-PW-GPTF	2/12/2009	2/13/2009	86	92	108	
0902111-1RR1	FE-RG-11-7-397-PW-GPTF	2/12/2009	2/13/2009	87	93	108	

Data Package ID: VL0902111-1

Date Printed: Wednesday, February 25, 2009

Shaded values exceed established control limits.

ALS Paragon

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GC/MS Volatiles

Method SW8260B

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: VL090219-2LCS

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 02/19/2009

Date Analyzed: 02/19/2009

Prep Method: SW5030C

Prep Batch: VL090219-2

QCBatchID: VL090219-2-2

Run ID: VL090219-2A

Cleanup: NONE

Basis: N/A

File Name: B55311

Sample Aliquot: 5 ml

Final Volume: 5 ml

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
71-43-2	BENZENE	50	49.9	5		100	81 - 122%
108-88-3	TOLUENE	50	47.2	5		94	77 - 122%
100-41-4	ETHYLBENZENE	50	47.5	5		95	73 - 127%
136777-61-	M+P-XYLENE	100	95.3	5		95	76 - 128%
95-47-6	O-XYLENE	50	46.6	5		93	80 - 121%

Lab ID: VL090219-2LCSD

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 02/19/2009

Date Analyzed: 02/19/2009

Prep Method: SW5030C

Prep Batch: VL090219-2

QCBatchID: VL090219-2-2

Run ID: VL090219-2A

Cleanup: NONE

Basis: N/A

File Name: B55310

Sample Aliquot: 5 ml

Final Volume: 5 ml

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	Result Qualifier	LCSD % Rec.	RPD Limit	RPD
71-43-2	BENZENE	50	48.8	5		98	20	2
108-88-3	TOLUENE	50	47.6	5		95	20	1
100-41-4	ETHYLBENZENE	50	47.8	5		96	20	1
136777-61-	M+P-XYLENE	100	95.2	5		95	20	0
95-47-6	O-XYLENE	50	47.2	5		94	20	1

Data Package ID: VL0902111-1

Date Printed: Wednesday, February 25, 2009

ALS Paragon

LIMS Version: 6.247A

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GC/MS Volatiles

Method SW8260B

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: Paragon Analytics

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Surrogate Recovery LCS/LCSD

CASNO	Target Analyte	Spike Added	LCS % Rec.	LCS Flag	LCSD % Rec.	LCSD Flag	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	50	103		108		74 - 123
1868-53-7	DIBROMOFLUOROMETHANE	50	86		86		79 - 120
2037-26-5	TOLUENE-D8	50	89		90		83 - 120

Data Package ID: VL0902111-1

Date Printed: Wednesday, February 25, 2009

ALS Paragon

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Prep Batch ID: VL090219-2

Start Date: 02/19/09

End Date: 02/19/09

Concentration Method: NONE

Batch Created By: twk

Start Time: 7:34

End Time: 18:18

Extract Method: SW5030C

Date Created: 02/19/09

Prep Analyst: Tyler Knaebel

Initial Volume Units: ml

Time Created: 8:53

Final Volume Units: ml

Validated By: sdw

Date Validated: 02/20/09

Time Validated: 10:43

Comments:

5mL heated waters and leachates

QC Batch ID: VL090219-2-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
VL090219-2	MB	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902103
VL090219-2	LCS	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902103
VL090219-2	LCSD	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902103
0902103-1	MS	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902103
0902103-1	MSD	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902103
0902103-1	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902103
0902103-2	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902103
0902103-3	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902103
0902115-2	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902115
0902137-1	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902137
0902137-2	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902137
0902137-3	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902137

QC Batch ID: VL090219-2-2

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
VL090219-2	MB	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902111
VL090219-2	LCS	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902111
VL090219-2	LCSD	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902111
0902103-1	MS	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902103
0902103-1	MSD	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902103
0902103-1	SMP	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902103
0902111-1	SMP	FE-RG-11-7-397-PW-	WATER	2/12/2009	5	5	NONE	1	0902111
0902111-2	SMP	Trip Blank 011309	WATER	2/12/2009	5	5	NONE	1	0902111

Prep Batch ID: VL090219-2

Start Date: 02/19/09

End Date: 02/19/09

Concentration Method: NONE

Batch Created By: twk

Start Time: 7:34

End Time: 18:18

Extract Method: SW5030C

Date Created: 02/19/09

Prep Analyst: Tyler Knaebel

Initial Volume Units: ml

Time Created: 8:53

Final Volume Units: ml

Validated By: sdw

Date Validated: 02/20/09

Time Validated: 10:43

Comments:

5mL heated waters and leachates

QC Batch ID: VL090219-2-3

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
EX090217-3	MB	XXXXXX	LEACHA	XXXXXX	5	5	NONE	1	0902120
VL090219-2	MB	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902120
VL090219-2	LCS	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902120
VL090219-2	LCSD	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0902120
0902120-4	MS	XXXXXX	LEACHA	XXXXXX	5	5	NONE	1	0902120
0902120-4	MSD	XXXXXX	LEACHA	XXXXXX	5	5	NONE	1	0902120
0902120-2	SMP	XXXXXX	LEACHA	XXXXXX	5	5	NONE	1	0902120
0902120-4	SMP	XXXXXX	LEACHA	XXXXXX	5	5	NONE	1	0902120

QC Types

CAR	Carrier reference sample	DUP	Laboratory Duplicate
LCS	Laboratory Control Sample	LCSD	Laboratory Control Sample Duplicate
MB	Method Blank	MS	Laboratory Matrix Spike
MSD	Laboratory Matrix Spike Duplicate	REP	Sample replicate
SMP	Field Sample	SYS	Sample Yield Spike

5A

Volatile Organic GC/MS Tuning And Mass Calibration--Bromofluorobenzene (BFB)

Lab Name: ALS Paragon
Work Order Number: 0902111
Client Name: URS
ClientProject ID: 22240417.00001Williams-Rio Blanca

BFB Injection Date: 2/5/2009
BFB Injection Time: 12:04
Instrument ID: HPV2

Reported on: Wednesday, February 25, 2009

Level: Low

Column: CAP

FileID: B54921

m/e	Ion Abundance Criteria SW8260B	% Relative Abundance
50	15.0 - 40.0 percent of mass 95	19.1
75	30.0 - 60.0 percent of mass 95	40.7
95	Base peak, 100 percent of relative abundance	100
96	5.0 - 9.0 percent of mass 95	6.6
173	Less than 2.0 percent of mass 174	0.2
174	Greater than 50.0 percent of mass 95	65.1
175	5.0 - 9.0 percent of mass 174	7.4
176	Greater than 95.0 percent < 101.0 percent of mass 174	97.5
177	5.0 - 9.0 percent of mass 176	6.2

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS/MSD, BLANKS, AND STANDARDS:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	QC BatchID
XXXXXXX	VOC_2.0ppbCSTD	B54923	2/5/2009	12:46	VL090205-2A
XXXXXXX	VOC_5.0ppbCSTD	B54924	2/5/2009	13:09	VL090205-2A
XXXXXXX	VOC_10ppbCSTD	B54925	2/5/2009	13:31	VL090205-2A
XXXXXXX	VOC_20ppbCSTD	B54926	2/5/2009	13:54	VL090205-2A
XXXXXXX	VOC_50ppbCSTD	B54928	2/5/2009	14:39	VL090205-2A
XXXXXXX	VOC_75ppbCSTD	B54930	2/5/2009	15:24	VL090205-2A
XXXXXXX	VOC_100ppbCSTD	B54932	2/5/2009	16:09	VL090205-2A
XXXXXXX	VOC_150ppbCSTD	B54934	2/5/2009	16:56	VL090205-2A
XXXXXXX	VL090205-2ICV	B54937	2/5/2009	18:03	VL090205-2A

Data Package ID: VL0902111-1

5A

Volatile Organic GC/MS Tuning And Mass Calibration--Bromofluorobenzene (BFB)

Lab Name: ALS Paragon
 Work Order Number: 0902111
 Client Name: URS
 ClientProject ID: 22240417.00001Williams-Rio Blanca

BFB Injection Date: 2/19/2009
 BFB Injection Time: 7:34
 Instrument ID: HPV2

Reported on: Wednesday, February 25, 2009

Level: Low

Column: CAP

FileID: B55309

m/e	Ion Abundance Criteria SW8260B	% Relative Abundance
50	15.0 - 40.0 percent of mass 95	20
75	30.0 - 60.0 percent of mass 95	40.8
95	Base peak, 100 percent of relative abundance	100
96	5.0 - 9.0 percent of mass 95	6.5
173	Less than 2.0 percent of mass 174	0
174	Greater than 50.0 percent of mass 95	67.9
175	5.0 - 9.0 percent of mass 174	6.8
176	Greater than 95.0 percent < 101.0 percent of mass 174	96.7
177	5.0 - 9.0 percent of mass 176	6.6

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS/MSD, BLANKS, AND STANDARDS:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	QC BatchID
XXXXXXX	VL090219-2LCSD	B55310	2/19/2009	7:52	VL090219-2-2
XXXXXXX	VL090219-2LCSD	B55310	2/19/2009	7:52	VL090219-2-3
XXXXXXX	VL090219-2LCSD	B55310	2/19/2009	7:52	VL090219-2-1
XXXXXXX	VL090219-2CCV	B55311	2/19/2009	8:14	VL090219-2A
XXXXXXX	VL090219-2LCS	B55311	2/19/2009	8:14	VL090219-2-1
XXXXXXX	VL090219-2LCS	B55311	2/19/2009	8:14	VL090219-2-2
XXXXXXX	VL090219-2LCS	B55311	2/19/2009	8:14	VL090219-2-3
XXXXXXX	VL090219-2MB	B55313	2/19/2009	8:59	VL090219-2-1
XXXXXXX	VL090219-2MB	B55313	2/19/2009	8:59	VL090219-2-2
XXXXXXX	VL090219-2MB	B55313	2/19/2009	8:59	VL090219-2-3
XXXXXXX	0902103-3	B55314	2/19/2009	9:25	VL090219-2-1
Trip Blank 011309	0902111-2	B55315	2/19/2009	9:47	VL090219-2-2
XXXXXXX	0902115-2	B55316	2/19/2009	10:09	VL090219-2-1
XXXXXXX	0902103-2	B55317	2/19/2009	10:32	VL090219-2-1
XXXXXXX	0902103-1	B55318	2/19/2009	10:54	VL090219-2-2
XXXXXXX	0902103-1	B55318	2/19/2009	10:54	VL090219-2-1
XXXXXXX	0902103-1MS	B55319	2/19/2009	11:16	VL090219-2-1

Data Package ID: VL0902111-1

5A

Volatile Organic GC/MS Tuning And Mass Calibration--Bromofluorobenzene (BFB)

Lab Name: ALS Paragon
Work Order Number: 0902111
Client Name: URS
ClientProject ID: 22240417.00001Williams-Rio Blanca

BFB Injection Date: 2/19/2009
BFB Injection Time: 7:34
Instrument ID: HPV2

Reported on: Wednesday, February 25, 2009

Level: Low

Column: CAP

FileID: B55309

m/e	Ion Abundance Criteria SW8260B	% Relative Abundance
50	15.0 - 40.0 percent of mass 95	20
75	30.0 - 60.0 percent of mass 95	40.8
95	Base peak, 100 percent of relative abundance	100
96	5.0 - 9.0 percent of mass 95	6.5
173	Less than 2.0 percent of mass 174	0
174	Greater than 50.0 percent of mass 95	67.9
175	5.0 - 9.0 percent of mass 174	6.8
176	Greater than 95.0 percent < 101.0 percent of mass 174	96.7
177	5.0 - 9.0 percent of mass 176	6.6

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS/MSD, BLANKS, AND STANDARDS:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	QC BatchID
XXXXXXX	0902103-1MS	B55319	2/19/2009	11:16	VL090219-2-2
XXXXXXX	0902103-1MSD	B55320	2/19/2009	11:39	VL090219-2-1
XXXXXXX	0902103-1MSD	B55320	2/19/2009	11:39	VL090219-2-2
XXXXXXX	0902137-1	B55323	2/19/2009	12:45	VL090219-2-1
XXXXXXX	0902137-2	B55324	2/19/2009	13:10	VL090219-2-1
XXXXXXX	EX090217-3MB	B55325	2/19/2009	13:34	VL090219-2-3
XXXXXXX	0902120-2	B55326	2/19/2009	13:57	VL090219-2-3
XXXXXXX	0902120-4MS	B55328	2/19/2009	14:42	VL090219-2-3
XXXXXXX	0902120-4MSD	B55329	2/19/2009	15:04	VL090219-2-3
XXXXXXX	0902120-4	B55334	2/19/2009	17:12	VL090219-2-3
XXXXXXX	0902137-3	B55335	2/19/2009	17:34	VL090219-2-1
FE-RG-11-7-397-PW-GPTF	0902111-1	B55336	2/19/2009	17:56	VL090219-2-2
FE-RG-11-7-397-PW-GPTF	0902111-1RR1	B55337	2/19/2009	18:18	VL090219-2-2

Data Package ID: VL0902111-1

Calibration ID: 020509S

Instrument ID: HPV2

Calibration Date: 2/5/2009

ALS Paragon
Initial Calibration Report

Analyte	File Name: B54923.D B54924.D B54925.D B54926.D B54928.D B54930.D B54932.D B54934.D									AvgR	%RSD	Curve Type	Higher Order Equation			
	Cal	LVL	ID:	2	5	10	20	50	75	100	150		Corr	QuadTerm	LinearTerm	ConstTerm
fluorobenzene												ISTD				
dichlorodifluoromethane	0.3029	0.2554	0.2831	0.3227	0.3087	0.3129	0.3245	0.3179		0.3035	7.74	AvgRF				
chloromethane	0.6930	0.5943	0.5653	0.5494	0.5421	0.5184	0.5488	0.5321		0.5680	9.80	SPCC				
vinyl chloride	0.4719	0.4313	0.4181	0.4153	0.4079	0.3833	0.3969	0.3894		0.4140	6.79	CCC				
bromomethane	0.2765	0.2810	0.2589	0.2426	0.2180	0.1855	0.1775	0.1204		0.2176	24.58	quadratic	0.9972	-0.04820	0.266516	-0.00073
chloroethane	0.3063	0.2788	0.2623	0.2689	0.2579	0.2449	0.2574	0.2451		0.2652	7.57	AvgRF				
trichlorofluoromethane	0.4221	0.3989	0.3805	0.3940	0.3929	0.3825	0.3888	0.3855		0.3931	3.36	AvgRF				
ethanol	—	0.0040	0.0039	0.0038	0.0035	0.0034	0.0034	0.0034		0.0036	7.29	AvgRF				
acrolein	—	0.1337	0.1238	0.1420	0.1231	0.1171	0.1208	0.1177		0.1254	7.32	AvgRF				
1,1,2-trichloro-1,2,2-trifluoroethane	0.3198	0.3092	0.2926	0.2973	0.2932	0.2823	0.2904	0.2845		0.2962	4.26	AvgRF				
1,1-dichloroethene	0.3224	0.2914	0.2842	0.2826	0.2713	0.2625	0.2706	0.2605		0.2807	7.12	CCC				
acetone	—	0.0298	0.0277	0.0241	0.0215	0.0208	0.0219	0.0205		0.0237	15.16	linear	0.9984		0.020318	0.005447
iodomethane	0.5047	0.5104	0.5094	0.5181	0.5147	0.4982	0.5244	0.5150		0.5116	1.68	AvgRF				
carbon disulfide	1.0518	1.0415	1.0363	1.0786	1.0801	1.0315	1.0678	1.0394		1.0509	1.59	AvgRF				
allyl chloride	0.2208	0.1832	0.1800	0.1897	0.1781	0.1763	0.1810	0.1708		0.1850	8.31	AvgRF				
acetonitrile	0.0339	0.0384	0.0338	0.0359	0.0330	0.0317	0.0356	0.0331		0.0344	6.15	AvgRF				
methylene chloride	—	0.6384	0.4790	0.3547	0.3353	0.3251	0.3386	0.3302		0.4000	29.36	linear	0.9989		0.321590	0.022164
tert-butanol	0.0594	0.0393	0.0384	0.0430	0.0344	0.0321	0.0305	0.0283		0.0379	26.13	quadratic	0.9988	-0.00049	0.035266	0.006005
methyl tertiary butyl ether	0.8068	0.7254	0.7273	0.7540	0.7355	0.7160	0.7399	0.7168		0.7402	4.01	AvgRF				
trans-1,2-dichloroethene	0.3758	0.3463	0.3212	0.3352	0.3165	0.3157	0.3151	0.3074		0.3291	6.87	AvgRF				
acrylonitrile	0.2597	0.2175	0.2144	0.2375	0.2066	0.2018	0.2092	0.2064		0.2195	8.89	AvgRF				
isopropyl ether	1.3089	1.2879	1.2379	1.3719	1.2834	1.2650	1.2767	1.2332		1.2804	3.43	AvgRF				
vinyl acetate	0.5156	0.4365	0.4244	0.4003	0.4108	0.3968	0.3998	0.3885		0.4218	9.71	AvgRF				
1,1-dichloroethane	0.6187	0.5881	0.5878	0.5931	0.5930	0.5937	0.5904	0.5780		0.5928	1.96	SPCC				
chloroprene	0.5628	0.5376	0.4989	0.5150	0.4833	0.5018	0.4891	0.4453		0.5040	7.06	AvgRF				
ethyl tert-butyl ether	1.1411	1.0167	0.9816	1.0724	1.0222	0.9822	1.0072	0.9719		1.0244	5.55	AvgRF				
2,2-dichloropropane	0.4407	0.4353	0.4157	0.4206	0.4059	0.3985	0.3857	0.3857		0.4120	4.75	AvgRF				
2-butanone	—	0.1404	0.1417	0.1369	0.1310	0.1287	0.1302	0.1236		0.1332	4.93	AvgRF				
cis-1,2-dichloroethene	0.4032	0.3540	0.3499	0.3491	0.3441	0.3445	0.3452	0.3391		0.3536	5.80	AvgRF				
propionitrile	—	—	0.0398	0.0383	0.0360	0.0345	0.0351	0.0341		0.0363	6.27	AvgRF				
methacrylonitrile	—	0.5172	0.4990	0.5206	0.4794	0.4486	0.4527	0.4351		0.4789	7.20	AvgRF				
bromochloromethane	0.1822	0.1874	0.1834	0.1663	0.1632	0.1652	0.1641	0.1629		0.1668	3.84	AvgRF				
chloroform	0.6162	0.5560	0.5537	0.5676	0.5694	0.5710	0.5629	0.5539		0.5689	3.58	CCC				
dibromofluoromethane	0.2982	0.3026	0.3052	0.3082	0.3011	0.3009	0.3023	0.3027		0.3024	0.83	SUR				
1,1,1-trichloroethane	—	0.4709	0.4542	0.4545	0.4389	0.4381	0.4401	0.4214		0.4451	3.60	AvgRF				
carbon tetrachloride	0.4199	0.3854	0.3980	0.3983	0.3903	0.3870	0.3937	0.3733		0.3930	3.40	AvgRF				
1,1-dichloropropene	0.4473	0.4177	0.4079	0.4287	0.4134	0.4203	0.4057	0.3949		0.4170	3.82	AvgRF				
1,2-dichloroethane-d4	0.2808	0.2813	0.2591	0.2606	0.2453	0.2472	0.2494	0.2492		0.2541	2.72	SUR				
isobutyl alcohol	—	0.0292	0.0289	0.0318	0.0287	0.0274	0.0274	0.0265		0.0286	6.05	AvgRF				
tert-amyl methyl ether	—	0.8152	0.7880	0.8955	0.8207	0.7886	0.8089	0.7712		0.8123	5.01	AvgRF				
benzene	1.3342	1.2020	1.2270	1.2480	1.2211	1.2307	1.2135	1.1986		1.2345	3.50	AvgRF				
1,2-dichloroethane	0.3804	0.3516	0.3497	0.3487	0.3494	0.3421	0.3450	0.3405		0.3509	3.57	AvgRF				
trichloroethene	—	0.3535	0.3206	0.3242	0.3171	0.3140	0.3041	0.3011		0.3192	5.41	AvgRF				
1,2-dichloropropane	0.3746	0.3314	0.3258	0.3289	0.3382	0.3379	0.3306	0.3289		0.3365	4.74	CCC				
methyl methacrylate	0.2003	0.1909	0.1973	0.1907	0.1807	0.1727	0.1773	0.1697		0.1849	6.19	AvgRF				
1,4-dioxane	—	0.0021	0.0022	0.0024	0.0024	0.0024	0.0023	0.0022		0.0023	5.48	AvgRF				
dibromomethane	—	0.2058	0.1979	0.1981	0.1928	0.1907	0.1932	0.1871		0.1951	3.12	AvgRF				
bromodichloromethane	0.4864	0.4338	0.4463	0.4269	0.4248	0.4298	0.4272	0.4219		0.4346	3.42	AvgRF				
2-chloroethyl vinyl ether	—	0.1412	0.1400	0.1443	0.1426	0.1487	0.1451	0.1447		0.1438	1.99	AvgRF				
2-pentanone																
cis-1,3-dichloropropene	0.5822	0.5080	0.5076	0.5126	0.5081	0.5123	0.5002	0.4988		0.5160	5.29	AvgRF				
4-methyl-2-pentanone	—	0.3132	0.3111	0.3080	0.2987	0.2798	0.2826	0.2890		0.2926	5.94	AvgRF				
chlorobenzene-d5												ISTD				
toluene-d8	0.8981	0.8030	0.8863	0.9196	0.8878	0.8707	0.9081	0.9485		0.9025	2.62	SUR				
toluene	1.8444	1.8298	1.8063	1.8581	1.8036	1.5691	1.5855	1.6424		1.6437	5.21	CCC				
ethyl methacrylate	—	0.5876	0.5533	0.5523	0.5113	0.4738	0.5052	0.5101		0.5248	6.41	AvgRF				
trans-1,3-dichloropropene	—	0.6427	0.6128	0.6374	0.6088	0.5909	0.6107	0.6241		0.6182	2.90	AvgRF				
1,1,2-trichloroethane	—	0.3254	0.3010	0.3137	0.2966	0.2838	0.2964	0.3033		0.3029	4.42	AvgRF				
tetrachloroethene	0.3262	0.2810	0.2794	0.2981	0.2740	0.2769	0.2820	0.2821		0.2876	5.97	AvgRF				
2-hexanone	—	0.3148	0.2899	0.3059	0.2866	0.2675	0.2799	0.2814		0.2894	5.57	AvgRF				
1,3-dichloropropane	—	0.5980	0.6019	0.6176	0.5950	0.5640	0.5829	0.5987		0.5940	2.82	AvgRF				
dibromochloromethane	—	0.4272	0.3981	0.4192	0.4074	0.3972	0.4122	0.4201		0.4114	2.87	AvgRF				
1,2-dibromoethane	—	0.3932	0.3689	0.3873	0.3709	0.3531	0.3891	0.3780		0.3744	3.55	AvgRF				
1-chlorohexane	—	0.6608	0.6301	0.6828	0.6199	0.5896	0.6149	0.6178		0.6308	4.95	AvgRF				
chlorobenzene	1.1837	1.0671	1.0186	1.0488	1.0213	0.9994	1.0241	1.0470		1.0488	4.87	SPCC				
ethylbenzene	1.8746	1.8087	1.7499	1.8102	1.7487	1.7280	1.7549	1.7910		1.7955	4.36	CCC				

Operator: SDW-SOP525r12 Notes: 5mls htd water

Date Printed: Friday, February 06, 2009

ALS Paragon

LIMS Version: 6.242A

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gms 2/6/09

Calibration ID: 020509S
Instrument ID: HPV2
Calibration Date: 2/5/2009

ALS Paragon

Initial Calibration Report

Analyte	File Name: B54923.D B54924.D B54925.D B54926.D B54928.D B54930.D B54932.D B54934.D								AvgR	%RSD	Curve Type	Higher Order Equation			
	Cal LVL ID: 2 5 10 20 50 75 100 150											Corr	QuadTerm	LinearTerm	ConstTerm
1,1,1,2-tetrachloroethane	0.4287	0.3927	0.3680	0.3930	0.3767	0.3589	0.3746	0.3863	0.3849	5.54	AvgRF				
m+p-xylene	0.7368	0.6949	0.6460	0.6828	0.6547	0.6400	0.6519	0.6640	0.6714	4.81	AvgRF				
o-xylene	0.7472	0.6889	0.6406	0.6755	0.6588	0.6395	0.6681	0.6780	0.6719	5.01	AvgRF				
styrene	1.3479	1.2372	1.1460	1.2172	1.1716	1.1453	1.1890	1.2110	1.2081	5.42	AvgRF				
bromoform	—	0.2424	0.2384	0.2609	0.2520	0.2364	0.2549	0.2599	0.2493	4.07	SPCC				
isopropylbenzene	1.8520	1.6815	1.6250	1.7027	1.6132	1.5753	1.6555	1.6879	1.6742	4.99	AvgRF				
1,4-dichlorobenzene-d4											ISTD				
4-bromofluorobenzene	0.3100	0.3104	0.3059	0.3147	0.3106	0.3028	0.3189	0.3326	0.3132	2.94	SUR				
1,1,2,2-tetrachloroethane	—	1.2681	1.2081	1.2587	1.1573	1.1354	1.1181	1.0808	1.1749	6.06	SPCC				
trans-1,4-dichloro-2-butene	—	—	0.3070	0.3311	0.2933	0.2984	0.2843	0.2733	0.2976	6.72	AvgRF				
n-propylbenzene	6.2277	5.7585	5.5122	5.5633	5.4820	5.8318	5.4434	5.4151	5.6267	4.76	AvgRF				
1,2,3-trichloropropane	—	0.3850	0.3389	0.3485	0.3187	0.3131	0.3008	0.2999	0.3264	7.64	AvgRF				
bromobenzene	—	1.0612	1.0205	1.0267	1.0077	1.0206	0.9944	0.9821	1.0162	2.50	AvgRF				
1,3,5-trimethylbenzene	—	3.7437	3.5932	3.5582	3.4407	3.5798	3.4790	3.4500	3.5489	2.98	AvgRF				
2-chlorotoluene	—	1.1256	1.0107	1.0511	1.0273	1.0549	1.0138	0.9956	1.0398	4.19	AvgRF				
4-chlorotoluene	—	1.0631	1.0404	1.0448	0.9977	1.0252	0.9746	0.9683	1.0160	3.65	AvgRF				
tert-butylbenzene	—	0.7554	0.7141	0.7018	0.6786	0.6895	0.6634	0.6574	0.6943	4.84	AvgRF				
1,2,4-trimethylbenzene	—	3.4531	3.4558	3.3447	3.2987	3.4253	3.3375	3.2762	3.3705	2.18	AvgRF				
sec-butylbenzene	5.2220	4.9933	4.7973	4.7433	4.6330	4.7878	4.7849	4.6932	4.8318	3.91	AvgRF				
p-isopropyltoluene	—	3.8446	3.8272	3.7212	3.6816	3.7615	3.7930	3.7172	3.7637	1.61	AvgRF				
1,3-dichlorobenzene	—	1.9180	1.8298	1.8093	1.7705	1.8109	1.7591	1.7570	1.8078	3.11	AvgRF				
1,4-dichlorobenzene	—	1.8103	1.8298	1.7973	1.7280	1.7547	1.7668	1.7178	1.7721	2.38	AvgRF				
n-butylbenzene	—	3.6898	3.7034	3.4627	3.5398	3.5672	3.6129	3.6090	3.5978	2.34	AvgRF				
1,2-dichlorobenzene	—	1.6672	1.6260	1.6394	1.6026	1.6387	1.6352	1.5860	1.6279	1.63	AvgRF				
hexachloroethane	0.5502	0.4890	0.5169	0.5288	0.5084	0.4872	0.5022	0.4902	0.5086	4.31	AvgRF				
1,2-dibromo-3-chloropropane	—	0.1977	0.1807	0.1869	0.1775	0.1759	0.1789	0.1727	0.1815	4.62	AvgRF				
1,2,4-trichlorobenzene	0.9730	0.8891	0.8851	0.8635	0.8917	0.9239	0.9711	0.9644	0.9202	4.79	AvgRF				
hexachlorobutadiene	—	0.5520	0.5584	0.4898	0.5185	0.5231	0.5944	0.5879	0.5463	6.98	AvgRF				
naphthalene	—	2.0463	2.1022	2.0756	1.9893	2.0452	2.1735	2.1584	2.0844	3.15	AvgRF				
1,2,3-trichlorobenzene	0.8338	0.7753	0.7493	0.7379	0.7470	0.7939	0.8447	0.8281	0.7888	5.42	AvgRF				

Average RSD = 5.56

Concentration Multipliers:

keytones - 4X
 acrolein, acrylonitrile, acetonitrile, propionitrile - 10X
 methyl-t-butyl-ether, m,p-xylene - 2X
 ethanol, isobutyl alcohol, 1,4-dioxane - 20X
 tert-butanol - 5X

Operator: SDW-SOP525r12 Notes: 5mls htd water

Date Printed: Friday, February 06, 2009

ALS Paragon
 LIMS Version: 6.242A

Page 2 of 2

smw 2/6/09

ALS Paragon

Initial Calibration Verification

Lab Sample ID: VL090205-2ICV

Calibration ID: 020509S

Analysis Date: 2/5/2009

Instrument ID: HPV2

File Name: B54937

Calibration Date: 2/5/2009

	Analyte	AvgRF	CCRF	Expected Conc.	Found Conc.	%Dev. or % Drift	%Diff (Area)	RT Dev.	Curve Type
1)	ISTD fluorobenzene						2.1	0.000	AvgRF
2)	dichlorodifluoromethane	0.3035	0.3103			2.2		-0.002	AvgRF
3)	SPCC chloromethane	0.5680	0.5410			-4.8		0.003	AvgRF
4)	CCC vinyl chloride	0.4140	0.4095			-1.1		0.000	AvgRF
5)	bromomethane			50.000	49.64	-0.7		0.002	quadratic
6)	chloroethane	0.2652	0.2815			6.1		-0.001	AvgRF
7)	trichlorofluoromethane	0.3931	0.3998			1.7		-0.005	AvgRF
8)	ethanol	0.0036	0.0037			2.9		-0.002	AvgRF
9)	acrolein	0.1254	0.1283			2.3		-0.002	AvgRF
10)	1,1,2-trichloro-1,2,2-trifluoroethane	0.2962	0.2987			0.8		0.004	AvgRF
11)	CCC 1,1-dichloroethene	0.2807	0.2735			-2.6		0.004	AvgRF
12)	acetone			200.000	221.82	10.9		0.003	linear
13)	iodomethane	0.5116	0.5253			2.7		0.001	AvgRF
14)	carbon disulfide	1.0509	1.0537			0.3		0.003	AvgRF
15)	allyl chloride	0.1850	0.1844			-0.3		-0.004	AvgRF
16)	acetonitrile	0.0344	0.0352			2.3		0.004	AvgRF
17)	methylene chloride			50.000	56.57	13.1		0.004	linear
18)	tert-butanol			250.000	243.84	-2.5		-0.001	quadratic
19)	methyl tertiary butyl ether	0.7402	0.7396			-0.1		-0.001	AvgRF
20)	trans-1,2-dichloroethene	0.3291	0.3169			-3.7		0.001	AvgRF
21)	acrylonitrile	0.2195	0.2234			1.8		-0.001	AvgRF
22)	isopropyl ether	1.2804	1.2816			0.1		0.003	AvgRF
23)	vinyl acetate	0.4218	0.4091			-3.0		-0.004	AvgRF
24)	SPCC 1,1-dichloroethane	0.5928	0.5989			1.0		-0.001	AvgRF
25)	chloroprene	0.5040	0.4841			-3.9		0.000	AvgRF
26)	ethyl tert-butyl ether	1.0244	0.9969			-2.7		-0.003	AvgRF
27)	2,2-dichloropropane	0.4120	0.4091			-0.7		-0.002	AvgRF
28)	2-butanone	0.1332	0.1433			7.5		0.001	AvgRF
29)	cis-1,2-dichloroethene	0.3536	0.3425			-3.2		0.000	AvgRF
30)	propionitrile	0.0363	0.0374			3.2		-0.004	AvgRF
31)	methacrylonitrile	0.4789	0.4803			0.3		-0.004	AvgRF
32)	bromochloromethane	0.1668	0.1681			0.8		-0.003	AvgRF
33)	CCC chloroform	0.5689	0.5741			0.9		-0.004	AvgRF
35)	1,1,1-trichloroethane	0.4451	0.4436			-0.3		0.002	AvgRF
36)	carbon tetrachloride	0.3930	0.3897			-0.8		0.003	AvgRF
37)	1,1-dichloropropene	0.4170	0.4259			2.1		0.000	AvgRF
39)	isobutyl alcohol	0.0286	0.0292			2.2		-0.004	AvgRF
40)	tert-amyl methyl ether	0.8123	0.7938			-2.3		-0.005	AvgRF
41)	benzene	1.2345	1.2370			0.2		-0.004	AvgRF
42)	1,2-dichloroethane	0.3509	0.3530			0.6		0.003	AvgRF
43)	trichloroethene	0.3192	0.3175			-0.5		-0.002	AvgRF
44)	CCC 1,2-dichloropropane	0.3365	0.3476			3.3		0.000	AvgRF
45)	methyl methacrylate	0.1849	0.1813			-2.0		-0.001	AvgRF
46)	1,4-dioxane	0.0023	0.0025			10.9		-0.003	AvgRF
47)	dibromomethane	0.1951	0.1996			2.3		0.001	AvgRF
48)	bromodichloromethane	0.4346	0.4401			1.3		0.000	AvgRF
49)	2-chloroethyl vinyl ether	0.1438	0.1515			5.4		0.003	AvgRF
50)	cis-1,3-dichloropropene	0.5160	0.5243			1.6		0.001	AvgRF
50)	2-pentanone			NOT SPIKED				-0.003	
51)	4-methyl-2-pentanone	0.2926	0.3082			5.3		0.004	AvgRF
52)	ISTD chlorobenzene-d5						1.3	-0.002	AvgRF
54)	CCC toluene	1.6437	1.6933			3.0		-0.002	AvgRF
55)	ethyl methacrylate	0.5248	0.5419			3.3		0.002	AvgRF
56)	trans-1,3-dichloropropene	0.6182	0.6610			6.9		0.003	AvgRF
57)	1,1,2-trichloroethane	0.3029	0.3178			4.9		0.001	AvgRF
58)	tetrachloroethene	0.2876	0.3010			4.7		0.002	AvgRF
59)	2-hexanone	0.2894	0.3161			9.2		0.003	AvgRF
60)	1,3-dichloropropane	0.5940	0.6324			6.5		-0.003	AvgRF
61)	dibromochloromethane	0.4114	0.4395			6.9		-0.002	AvgRF
62)	1,2-dibromoethane	0.3744	0.3954			5.6		0.004	AvgRF
63)	1-chlorohexane	0.6308	0.6630			5.1		-0.001	AvgRF
64)	SPCC chlorobenzene	1.0488	1.0940			4.3		-0.002	AvgRF
65)	CCC ethylbenzene	1.7955	1.8642			3.8		-0.001	AvgRF

Operator: SDW-SOP525r12

ALS Paragon

Initial Calibration Verification

Lab Sample ID: VL090205-2ICV

Calibration ID: 020509S

Analysis Date: 2/5/2009

Instrument ID: HPV2

File Name: B54937

Calibration Date: 2/5/2009

	Analyte	AvgRF	CCRF	Expected Conc.	Found Conc.	%Dev. or % Drift	%Diff (Area)	RT Dev.	Curve Type
66)	1,1,1,2-tetrachloroethane	0.3849	0.4015			4.3		-0.002	AvgRF
67)	m+p-xylene	0.6714	0.7059			5.1		-0.003	AvgRF
68)	o-xylene	0.6719	0.7051			4.9		0.002	AvgRF
69)	styrene	1.2081	1.2731			5.4		0.001	AvgRF
70)	SPCC bromoform	0.2493	0.2751			10.4		0.000	AvgRF
71)	isopropylbenzene	1.6742	1.7650			5.4		-0.002	AvgRF
72)	ISTD 1,4-dichlorobenzene-d4						0.3	0.001	AvgRF
75)	SPCC 1,1,2,2-tetrachloroethane	1.1749	1.2586			7.1		0.003	AvgRF
76)	trans-1,4-dichloro-2-butene	0.2976	0.3225			8.4		0.001	AvgRF
77)	n-propylbenzene	5.6267	5.9377			5.5		0.004	AvgRF
78)	1,2,3-trichloropropane	0.3264	0.3427			5.0		0.001	AvgRF
79)	bromobenzene	1.0162	1.0966			7.9		0.003	AvgRF
80)	1,3,5-trimethylbenzene	3.5489	3.7823			6.6		0.002	AvgRF
81)	2-chlorotoluene	1.0398	1.1110			6.8		0.001	AvgRF
82)	4-chlorotoluene	1.0160	1.0720			5.5		-0.001	AvgRF
83)	tert-butylbenzene	0.6943	0.7312			5.3		-0.003	AvgRF
84)	1,2,4-trimethylbenzene	3.3705	3.6199			7.4		-0.003	AvgRF
85)	sec-butylbenzene	4.8318	5.1302			6.2		-0.005	AvgRF
86)	p-isopropyltoluene	3.7637	4.0862			8.6		0.004	AvgRF
87)	1,3-dichlorobenzene	1.8078	1.9330			6.9		0.002	AvgRF
88)	1,4-dichlorobenzene	1.7721	1.8950			6.9		0.001	AvgRF
89)	n-butylbenzene	3.5978	3.9252			9.1		-0.001	AvgRF
90)	1,2-dichlorobenzene	1.6279	1.7574			8.0		-0.005	AvgRF
91)	hexachloroethane	0.5086	0.5253			3.3		-0.004	AvgRF
92)	1,2-dibromo-3-chloropropane	0.1815	0.1904			4.9		-0.005	AvgRF
93)	1,2,4-trichlorobenzene	0.9202	1.0172			10.5		-0.005	AvgRF
94)	hexachlorobutadiene	0.5463	0.6101			11.7		-0.004	AvgRF
95)	naphthalene	2.0844	2.2701			8.9		0.000	AvgRF
96)	1,2,3-trichlorobenzene	0.7888	0.8604			9.1		-0.004	AvgRF

Operator: SDW-SOP525r12

for 2/6/09

ALS Paragon

Continuing Calibration Verification

Lab Sample ID: VL090219-2CCV	Calibration ID: 020509S
Analysis Date: 2/19/2009	Instrument ID: HPV2
File Name: B55311	Calibration Date: 2/5/2009

Analyte	AvgRF	CCRF	Expected Conc.	Found Conc.	%Dev. or % Drift	%Diff (Area)	RT Dev.	Curve Type
1) ISTD fluorobenzene						16.8	0.000	AvgRF
3) SPCC chloromethane	0.5680	0.5662			-0.3		0.003	AvgRF
4) CCC vinyl chloride	0.4140	0.4396			6.2		0.000	AvgRF
11) CCC 1,1-dichloroethene	0.2807	0.2613			-6.9		0.004	AvgRF
20) trans-1,2-dichloroethene	0.3291	0.3124			-5.1		0.001	AvgRF
24) SPCC 1,1-dichloroethane	0.5928	0.5947			0.3		-0.001	AvgRF
28) 2-butanone	0.1332	0.1557			16.9		0.001	AvgRF
29) cis-1,2-dichloroethene	0.3536	0.3380			-4.4		0.000	AvgRF
33) CCC chloroform	0.5689	0.5388			-5.3		-0.004	AvgRF
36) carbon tetrachloride	0.3930	0.3424			-12.9		0.003	AvgRF
41) benzene	1.2345	1.2312			-0.3		-0.004	AvgRF
42) 1,2-dichloroethane	0.3509	0.3217			-8.3		0.003	AvgRF
43) trichloroethene	0.3192	0.3055			-4.3		-0.002	AvgRF
44) CCC 1,2-dichloropropane	0.3365	0.3458			2.8		0.000	AvgRF
52) ISTD chlorobenzene-d5						20.6	-0.002	AvgRF
54) CCC toluene	1.6437	1.5520			-5.6		-0.002	AvgRF
58) tetrachloroethene	0.2876	0.2727			-5.2		0.002	AvgRF
64) SPCC chlorobenzene	1.0488	0.9780			-6.7		-0.002	AvgRF
65) CCC ethylbenzene	1.7955	1.7052			-5.0		-0.001	AvgRF
67) m+p-xylene	0.6714	0.6398			-4.7		-0.003	AvgRF
68) o-xylene	0.6719	0.6260			-6.8		0.002	AvgRF
70) SPCC bromoform	0.2493	0.2340			-6.1		0.000	AvgRF
72) ISTD 1,4-dichlorobenzene-d4						20.6	0.001	AvgRF
75) SPCC 1,1,2,2-tetrachloroethane	1.1749	1.1382			-3.1		0.003	AvgRF

Nickname Filters

8260_BTEX
8260_TCLP
8260Full_NFS_GW

Operator: TWK-SOP525r12

4ms 2/20/09

8A

Volatile Internal Standard Area Summary

Lab Name: ALS Paragon
Work Order Number: 0902111

Date Analyzed: 2/19/2009
Time Analyzed: 8:14

Client Name: URS

ClientProject ID: 22240417.00001 Williams-Rio Blanca

Reported on: Wednesday, February 25, 2009

Instrument ID: HPV2

Lab File ID: B55311

	IS1		IS2		IS3		IS4		IS5		IS6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
12 Hour STD	1684809	10.09	1214409	12.79	466861	14.55						
Upper Limit	3369618	10.6	2428818	13.3	933722	15.1						
Lower Limit	842405	9.59	607205	12.3	233431	14.1						
Lab Sample ID												
VL090219-2LCSD	1580645	10.09	1106122	12.78	453206	14.56						
VL090219-2LCS	1684809	10.09	1214409	12.79	466861	14.55						
VL090219-2MB	998782	10.09	693305	12.79	269318	14.56						
0902111-2	1564067	10.09	1094351	12.79	423420	14.55						
0902103-1	1585016	10.09	1094726	12.79	417733	14.55						
0902103-1MS	1585489	10.09	1149779	12.79	455089	14.55						
0902103-1MSD	1614012	10.09	1160691	12.79	465040	14.56						
0902111-1	1532886	10.10	1054946	12.79	409630	14.56						
0902111-1RR1	1541406	10.09	1068128	12.79	414452	14.56						

Shaded values exceed established area count limits.

LIMS Version: 6.247A

Upper Limit = + 100 percent of internal standard area.

Lower Limit = - 50 percent of internal standard area.

Supporting Raw Data

SW 2-6-09

GCMS Volatile Instrument Run Log - HPV2
ALS Laboratory Group

Sequence Name: C:\HPCHEM\1\SEQUENCE\020509.S
Comment: HPV2: 5mL heated purge Serial Number 3188A03493
Data Path: C:\HPCHEM\1\DATA\020509\
Operator: SDW-SOP525r12 Analysis Date: 2-5-2009 SDW
Istd\Sur ID's (0.71779uL): ST090129-1 \ ST090129-2 Standard ID's:
Logbook Number: 3094 purge time: 8.0 min. desorb time & temp.: 1.0 min. @ 190 C

BFB - ST090116-7	
ICV/CCV/LCS/LCSD	
cal - ST090105-6	
gas - ST090203-2	
a-9 - ST090105-7	
oxy - ST090105-8	
a&a - ST090203-5	
2-pent - NA	
Methanol Lot Number - G32E79	

Vial	DataFile	Method	Sample Name	Dil.	Samp. Amt.	RA?	pH<2?	HS?	Comment
1	B54916	020509S	BLANK	IX	5uLs.	AD	NA	NA	
2	B54917	020509S	BLANK						
3	B54918	020509S	BLANK						
4	B54919	020509S	BLANK						
5	B54920	020509S	Prime						
100	B54921	BFB2	BFB-TUNE1						
1	B54922	020509S	Blank						
2	B54923	020509S	VOC_2.0ppb_ICAL						
3	B54924	020509S	VOC_5.0ppb_ICAL						
4	B54925	020509S	VOC_10ppb_ICAL						
5	B54926	020509S	VOC_20ppb_ICAL						
6	B54927	020509S	Blank						
7	B54928	020509S	VOC_50ppb_CSTD						
8	B54929	020509S	Blank						
9	B54930	020509S	VOC_75ppb_ICAL						
10	B54931	020509S	Blank						
11	B54932	020509S	VOC_100ppb_ICAL						
12	B54933	020509S	Blank						
13	B54934	020509S	VOC_150ppb_ICAL						
14	B54935	020509S	Blank						
15	B54936	020509S	Blank						
16	B54937	020509S	VL090205-2ICV						
100	B54938	BFB2	BFB-TUNE2						
17	B54939	020509S	VL090205-2CCV						
18	B54940	020509S	VL090205-2LCS						
19	B54941	020509S	VL090205-2LCSD						
20	B54942	020509S	Blank						
21	B54943	020509S	VL090205-2MB						
22	B54944	020509S	VL090205-2MMB 50X						
23	B54945	020509S	0901230-37 50X						
24	B54946	020509S	0901230-38 50X						
25	B54947	020509S	0901230-39 50X						
26	B54948	020509S	0901230-40 50X						
27	B54949	020509S	0901230-41 50X						
28	B54950	020509S	0901230-42 50X						
29	B54951	020509S	0901230-43 50X						
30	B54952	020509S	0901230-44 50X						
31	B54953	020509S	0901230-45 50X						
32	B54954	020509S	0901230-46 50X						
33	B54955	020509S	0901230-47 50X						

GCMS Volatile Instrument Run Log - HPV2
ALS Laboratory Group

Sequence Name: C:\HPCHEM\1\SEQUENCE\020509.S
 Comment: HPV2: 5mL heated purge Serial Number 3188A03493
 Data Path: C:\HPCHEM\1\DATA\020509\
 Operator: SDW-SOP525r12 Analysis Date: 2-5-09 SAW
 Istd\Surr ID's (0.71779uL): 5T090124-1 \ 5T090124-2 Standard ID's: see pg 875
 Logbook Number: 3094

* = Methanol Extracts - Lot # G32E79

Vial	DataFile	Method	Sample Name	Dil.	Sample Amt.	RA?	pH<2?	HS?	Comment
34	B54956	020509S	0901230-48 50X	50X	100% to 5mL	ND		NA	* All-mol
35	B54957	020509S	0901247-17 50X					NA	
36	B54958	020509S	0901247-18 50X						
37	B54959	020509S	0901247-19 50X						
38	B54960	020509S	0901247-20 50X						
39	B54961	020509S	0901247-21 50X						
40	B54962	020509S	0901247-22 50X						
41	B54963	020509S	0901247-22MS 50X						
42	B54964	020509S	0901247-22MSD 50X						
43	B54965	020509S	Blank	IX	5mL				
44	B54966	020509S	0901247-1						
45	B54967	020509S	0901247-2						
46	B54968	020509S	0901247-2MS						
47	B54969	020509S	0901247-2MSD						
48	B54970	020509S	Blank						
49	B54971	020509S	Blank						

Container Type	Sample #	Weight of Sample & Jar (g)	Weight of Jar (g)	Weight of Sample (g)	Volume of Methanol (ml)	gram ratio to 5mL MeOH
Wide Mouth 1L Amber Jar	0901230-37-1	774.1	479.2	294.9	200.0	7.37250
Wide Mouth 1L Amber Jar	0901230-38-1	800.9	479.1	321.8	100.0	16.09000
Wide Mouth 1L Amber Jar	0901230-39-1	816.4	479.7	336.7	200.0	8.41750
600ml Kimax Beaker	0901230-40-1	521.5	202.8	318.7	50.0	31.87000
Wide Mouth 1L Amber Jar	0901230-41-1	827.3	479.4	347.9	100.0	17.39500
Wide Mouth 1L Amber Jar	0901230-42-1	807.6	479.4	328.2	100.0	16.41000
Wide Mouth 1L Amber Jar	0901230-43-1	873.8	487.0	386.8	100.0	19.34000
Wide Mouth 1L Amber Jar	0901230-44-1	944.4	474.8	469.6	100.0	23.48000
Wide Mouth 1L Amber Jar	0901230-45-1	847.2	474.4	372.8	100.0	18.64000
Wide Mouth 1L Amber Jar	0901230-46-1	802.3	475.5	326.8	100.0	16.34000
Wide Mouth 1L Amber Jar	0901230-47-1	830.4	474.5	355.9	100.0	17.79500
Wide Mouth 1L Amber Jar	0901230-48-1	803.4	484.2	319.2	200.0	7.98000
400ml Kimax Beaker	0901247-17-1	1154.9	172.1	982.8	50.0	98.28000
600ml Kimax Beaker	0901247-18-1	1276.5	225.1	1051.4	50.0	105.14000
8oz Amber Soil Jar	0901247-19-1	434.1	201.0	233.1	50.0	23.31000
8oz Amber Soil Jar	0901247-20-1	474.5	198.7	275.8	50.0	27.58000
4oz Amber Soil Jar	0901247-21-1	146.5	124.6	21.9	50.0	2.19000
4oz Amber Soil Jar	0901247-22-1	140.6	125.3	15.3	50.0	1.53000

60-9-2 MS

GCMS Volatile Instrument Run Log - HPV2
ALS Laboratory Group

Sequence Name: C:\HPCHEM\1\SEQUENCE\021909.S
 Comment: HPV2: 5mL heated purge - Serial Number 3188A03493
 Data Path: C:\HPCHEM\1\DATA\021909\
 Operator: TWK-SOP525r12 Analysis Date: 2-14-09 Tyler K.
 Istd\Surr ID's (0.71779uL): 57090212-1 \ 57090212-2 Standard ID's:
 Logbook Number: 3094 purge time: 60 min. desorb time & temp.: 1.0 min. @ 190 C

5mL 2-20-09

BFB
ST090218-1

QC spikes
cal - ST090211-3
gas - ST090212-3
a-9 - ST090211-4
oxy - ST090211-5
a&a - NA
2-pent - NA

Vial	DataFile	Method	Sample Name	Dil.	Samp. Amt.	RA?	pH<2?	HS?	Comment
1	B55303	020509S	BLANK	1X	5uLs.	NO	NA	NA	
2	B55304	020509S	BLANK						
3	B55305	020509S	BLANK						
4	B55306	020509S	BLANK						
5	B55307	020509S	BLANK						
6	B55308	020509S	PRIME						
100	B55309	BFB2	BFB-TUNE1		1uL				
7	B55310	020509S	VL090219-2LCSD		5uLs.				BFB injected @ 0734
8	B55311	020509S	VL090219-2CCS						SpL to 5uLs QC spikes (50uL)
9	B55312	020509S	BLANK						All c/mL
10	B55313	020509S	VL090219-2MB						
11	B55314	020509S	0902103-3						
12	B55315	020509S	0902111-2						
13	B55316	020509S	0902115-2						
14	B55317	020509S	0902103-2						
15	B55318	020509S	0902103-1						
16	B55319	020509S	0902103-1MS						SpL to 5uLs QC spikes (50uL)
17	B55320	020509S	0902103-1MSD						All c/mL
18	B55321	020509S	BLANK						
19	B55322	020509S	0902137-3			yes	yes	none	
20	B55323	020509S	0902137-1			NO	yes	none	All c/mL
21	B55324	020509S	0902137-2						Leachates
22	B55325	020509S	EX090217-3MB 5X	5X	1.0uL to 5uLs FU				
23	B55326	020509S	0902120-2 5X						
24	B55327	020509S	0902120-4 5X			yes			
25	B55328	020509S	0902120-4MS 5X			NO			All ±STD LOW
26	B55329	020509S	0902120-4MSD 5X						SpL to 5uLs QC spikes (50uL)
27	B55330	021209W	BLANK	1X	5uLs.			NA	All c/mL
28	B55331	020509S	BLANK						
29	B55332	020509S	0902111-1 500X	500X	10uL to 5uLs FU			none	
30	B55333	020509S	BLANK	1X	5uLs.		yes	NA	All c/mL
31	B55334	020509S	0902120-4 5X		1.0uL to 5uLs FU				Leachate
32	B55335	020509S	0902137-3	1X	5uLs.		yes	none	
33	B55336	020509S	0902111-1 200X	200X	25uL to 5uLs FU		pH=4		
34	B55337	020509S	0902111-1 50X	50X	100uL				targets > 3c/mL
35	B55338	020509S	BLANK	1X	5uLs.			NA	desorb @ 1818
36	B55339	020509S	BLANK						
37	B55340	020509S	BLANK						
38	B55341	020509S	BLANK						

Calibration Raw Data

Data File : C:\HPCHEM\1\DATA\020509\B54921.D

Vial: 100

Acq On : 5 Feb 2009 12:04

Operator: SDW-SOP525r12

Sample : BFB-TUNE1

Inst : CSS Instr

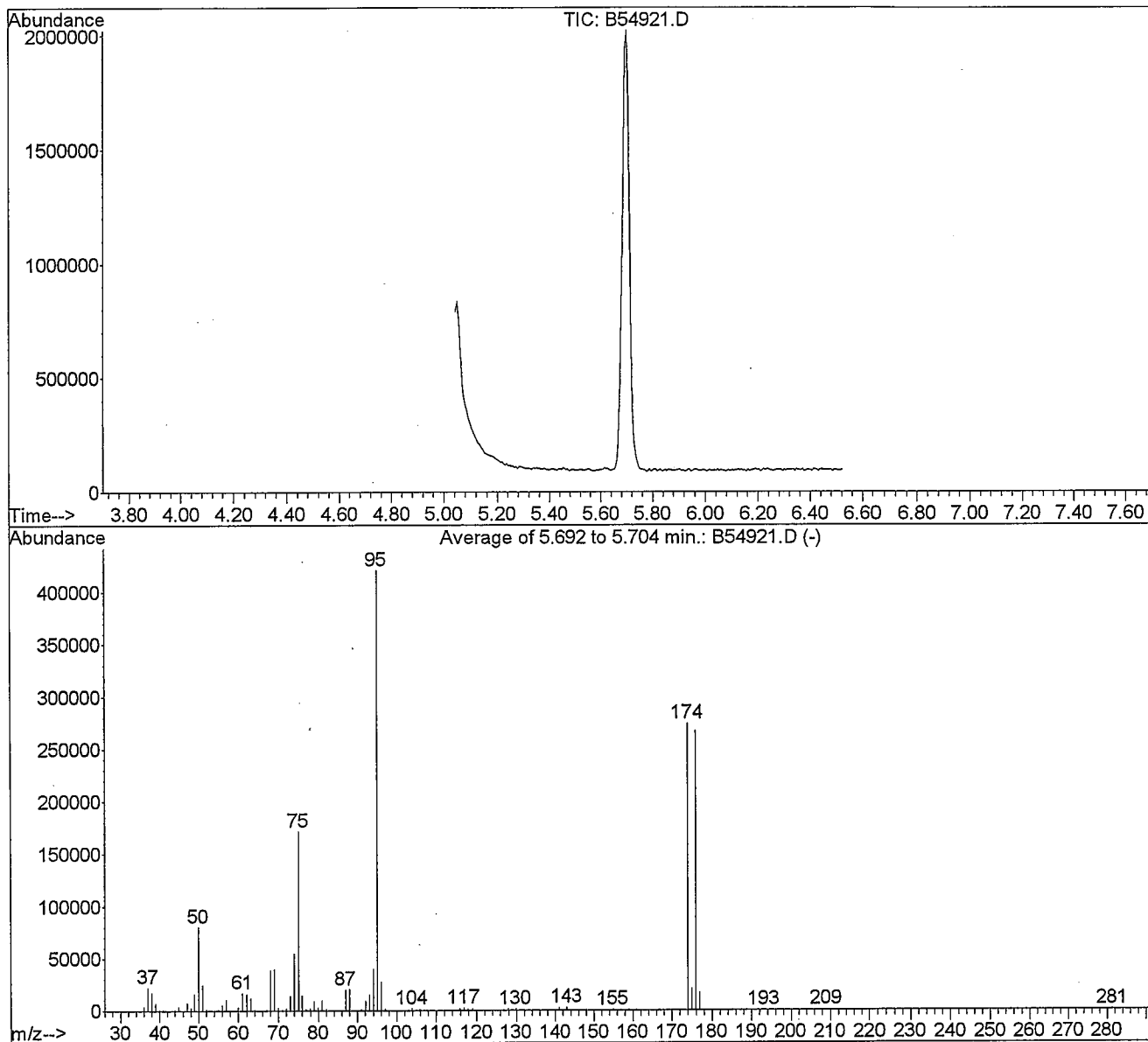
Misc : 50ng 4-BFB (1uL direct injection)

Multiplr: 1.00

MS Integration Params: rteint.p

Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)

Title : GC/MS Volatiles (S.O.P. 525)



AutoFind: Scans 109, 110, 111; Background Corrected with Scan 99

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.1	80366	PASS
75	95	30	60	40.7	171333	PASS
95	95	100	100	100.0	420816	PASS
96	95	5	9	6.6	27605	PASS
173	174	0.00	2	0.2	590	PASS
174	95	50	100	65.1	274027	PASS
175	174	5	9	7.4	20203	PASS
176	174	95	101	97.5	267072	PASS
177	176	5	9	6.2	16654	PASS

Data File : C:\HPCHEM\1\DATA\020509\B54923.D

Vial: 2

Acq On : 5 Feb 2009 12:46

Operator: SDW-SOP525r12

Sample : VOC_2.0ppb_ICAL

Inst : CSS Instr

Misc : 5mls htd water

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Results File: 020509S.RES

Quant Time: Feb 6 9:42 2009

Quant Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)

Title : GC/MS Volatiles (S.O.P. 525)

Last Update : Fri Feb 06 09:18:55 2009

Response via : Initial Calibration

DataAcq Meth : 020509S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	10.10	96	1325482	50.00	ppb	0.00
53) chlorobenzene-d5	12.79	117	914566	50.00	ppb	0.00
74) 1,4-dichlorobenzene-d4	14.56	152	339302	50.00	ppb	0.00

System Monitoring Compounds

34) dibromofluoromethane	9.27	113	395227	49.26	ppb	0.00
Spiked Amount 50.000	Range 79	- 120	Recovery	=	98.52%	
39) 1,2-dichloroethane-d4	9.84	65	345625	52.32	ppb	0.00
Spiked Amount 50.000	Range 62	- 139	Recovery	=	104.64%	
54) toluene-d8	11.50	100	821407	47.35	ppb	0.00
Spiked Amount 50.000	Range 83	- 120	Recovery	=	94.70%	
73) 4-bromofluorobenzene	13.71	174	283553	46.61	ppb	0.00
Spiked Amount 50.000	Range 74	- 123	Recovery	=	93.22%	

Target Compounds

						Qvalue
2) dichlorodifluoromethane	4.41	85	16062	1.91	ppb	96
3) chloromethane	4.74	50	36789	2.61	ppb	95
4) vinyl chloride	4.90	62	25018	2.42	ppb	91
5) bromomethane	5.47	96	14766	4.62	ppb	81
6) chloroethane	5.64	64	16238	2.50	ppb	# 88
7) trichlorofluoromethane	5.86	101	22379	2.19	ppb	100
8) ethanol	6.35	45	5627	62.21	ppb	# 81
9) acrolein	6.97	56	82569	26.46	ppb	96
10) 1,1,2-trichloro-1,2,2-trif	6.59	101	16955	2.25	ppb	96
11) 1,1-dichloroethene	6.58	96	17093	2.47	ppb	93
12) acetone	7.31	58	9320	17.16	ppb	73
13) iodomethane	6.80	142	26761	1.96	ppb	98
14) carbon disulfide	6.70	76	55767	2.02	ppb	# 91
15) allyl chloride	7.15	76	11694	2.58	ppb	89
16) acetonitrile	7.91	41	17978	20.47	ppb	94
17) methylene chloride	7.29	84	58924	6.73	ppb	95
18) tert-butanol	7.57	59	15752	21.00	ppb	# 46
19) methyl-t-butyl-ether	7.56	73	85549	4.50	ppb	91
20) trans-1,2-dichloroethene	7.48	96	19923	2.45	ppb	89
21) acrylonitrile	8.24	53	137711	25.16	ppb	99
22) isopropyl ether	7.97	45	69291	2.12	ppb	# 89
23) vinyl acetate	8.40	43	27338	2.65	ppb	96
24) 1,1-dichloroethane	8.20	63	32802	2.14	ppb	93
25) chloroprene	8.17	53	29838	2.53	ppb	# 91
26) 2-butanone	9.37	43	41222	12.56	ppb	# 97
27) ethyl tert-butyl ether	8.39	59	60500	2.35	ppb	94
28) 2,2-dichloropropane	8.95	77	23363	2.28	ppb	96
29) cis-1,2-dichloroethene	8.80	96	21377	2.38	ppb	98
30) propionitrile	9.70	54	24260	26.86	ppb	87
31) methacrylonitrile	9.73	41	30827	2.67	ppb	89
32) bromochloromethane	9.03	128	9660	2.24	ppb	84
33) chloroform	9.06	83	32669	2.22	ppb	92
35) 1,1,1-trichloroethane	9.36	97	28692	2.57	ppb	97
36) carbon tetrachloride	9.29	117	22265	2.25	ppb	98
37) 1,1-dichloropropene	9.46	75	23713	2.26	ppb	91
38) isobutyl alcohol	9.73	43	36833	52.48	ppb	# 66
40) tert-amyl methyl ether	9.76	73	49246	2.41	ppb	96
41) benzene	9.72	78	70739	2.22	ppb	97
42) 1,2-dichloroethane	9.91	62	20166	2.23	ppb	95
43) trichloroethene	10.26	95	19543	2.45	ppb	95

(#) = qualifier out of range (m) = manual integration
 B54923.D 020509S.M Fri Feb 06 09:42:49 2009

Data File : C:\HPCHEM\1\DATA\020509\B54923.D

Vial: 2

Acq On : 5 Feb 2009 12:46

Operator: SDW-SOP525r12

Sample : VOC_2.0ppb_ICAL

Inst : CSS Instr

Misc : 5mls htd water

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Results File: 020509S.RES

Quant Time: Feb 6 9:42 2009

Quant Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)

Title : GC/MS Volatiles (S.O.P. 525)

Last Update : Fri Feb 06 09:18:55 2009

Response via : Initial Calibration

DataAcq Meth : 020509S

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44) 1,2-dichloropropane	10.75	63	19862	2.29	ppb	# 97
45) methyl methacrylate	10.84	69	10621	2.36	ppb	84
46) 1,4-dioxane	10.94	88	3177	54.49	ppb	# 67
47) dibromomethane	10.67	93	12782	2.58	ppb	88
48) bromodichloromethane	10.77	83	24726	2.21	ppb	91
49) 2-chloroethyl vinyl ether	11.23	63	9752	2.54	ppb	88
50) 2-pentanone	0.00	43	0	N.D.	d	
51) cis-1,3-dichloropropene	11.33	75	30867	2.34	ppb	95
52) 4-methyl-2-pentanone	11.82	43	79902	11.21	ppb	98
55) toluene	11.55	91	67473	2.25	ppb	96
56) ethyl methacrylate	11.93	69	23000	2.46	ppb	95
57) trans-1,3-dichloropropene	11.87	75	28325	2.48	ppb	# 78
58) 1,1,2-trichloroethane	12.01	83	14415	2.60	ppb	87
59) tetrachloroethene	11.90	164	11934	2.31	ppb	87
60) 2-hexanone	12.49	43	55378	10.76	ppb	98
61) 1,3-dichloropropane	12.26	76	26316	2.40	ppb	97
62) dibromochloromethane	12.18	129	18573	2.42	ppb	89
63) 1,2-dibromoethane	12.42	107	16566	2.40	ppb	93
64) 1-chlorohexane	12.73	91	27757	2.46	ppb	99
65) chlorobenzene	12.81	112	42570	2.22	ppb	99
66) ethylbenzene	12.79	91	72237	2.21	ppb	100
67) 1,1,1,2-tetrachloroethane	12.84	131	15683	2.22	ppb	91
68) m,p-xylene	12.89	106	53907	4.44	ppb	93
69) o-xylene	13.24	106	27333	2.20	ppb	100
70) styrene	13.27	104	49310	2.23	ppb	94
71) bromoform	13.33	173	10827	2.28	ppb	93
72) isopropylbenzene	13.46	105	67751	2.19	ppb	100
75) 1,1,2,2-tetrachloroethane	13.81	83	21253	2.90	ppb	# 96
76) n-propylbenzene	13.77	91	84523	2.30	ppb	99
77) trans-1,4-dichloro-2-buten	13.94	53	7335	3.95	ppb	66
78) 1,2,3-trichloropropane	13.94	110	6304	3.10	ppb	94
79) bromobenzene	13.82	156	16971	2.55	ppb	90
80) 1,3,5-trimethylbenzene	13.89	105	57734	2.47	ppb	99
81) 2-chlorotoluene	13.92	126	16779	2.48	ppb	93
82) 4-chlorotoluene	14.04	126	16777	2.56	ppb	97
83) tert-butylbenzene	14.16	134	12012	2.69	ppb	81
84) 1,2,4-trimethylbenzene	14.20	105	55715	2.50	ppb	95
85) sec-butylbenzene	14.29	105	70873	2.23	ppb	92
86) p-isopropyltoluene	14.38	119	60770	2.41	ppb	95
87) 1,3-dichlorobenzene	14.52	146	28187	2.36	ppb	94
88) 1,4-dichlorobenzene	14.57	146	29993	2.57	ppb	# 63
89) n-butylbenzene	14.71	91	58336	2.38	ppb	98
90) 1,2-dichlorobenzene	14.93	146	26825	2.49	ppb	93
91) hexachloroethane	14.93	201	7467	2.24	ppb	95
92) 1,2-dibromo-3-chloropropan	15.61	157	3204	2.73	ppb	# 78
93) 1,2,4-trichlorobenzene	16.25	180	13206	2.02	ppb	94
94) hexachlorobutadiene	16.17	225	8320	2.09	ppb	94
95) naphthalene	16.61	128	33058	2.26	ppb	100
96) 1,2,3-trichlorobenzene	16.82	180	11317	2.01	ppb	92

(#) = qualifier out of range (m) = manual integration

B54923.D 020509S.M Fri Feb 06 09:42:49 2009

Data File : C:\HPCHEM\1\DATA\020509\B54924.D

Vial: 3

Acq On : 5 Feb 2009 13:09

Operator: SDW-SOP525r12

Sample : VOC_5.0ppb_ICAL

Inst : CSS Instr

Misc : 5mls htd water

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Feb 6 9:39 2009

Quant Results File: 020509S.RES

Quant Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)

Title : GC/MS Volatiles (S.O.P. 525)

Last Update : Fri Feb 06 09:20:04 2009

Response via : Initial Calibration

DataAcq Meth : 020509S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	10.10	96	1331986	50.00	ppb	0.00
53) chlorobenzene-d5	12.80	117	918444	50.00	ppb	0.00
74) 1,4-dichlorobenzene-d4	14.56	152	342780	50.00	ppb	0.00

System Monitoring Compounds

34) dibromofluoromethane	9.26	113	403007	49.98	ppb	0.00
Spiked Amount 50.000	Range 79	- 120	Recovery	=	99.96%	
39) 1,2-dichloroethane-d4	9.84	65	348085	52.44	ppb	0.00
Spiked Amount 50.000	Range 62	- 139	Recovery	=	104.88%	
54) toluene-d8	11.51	100	829312	47.60	ppb	0.00
Spiked Amount 50.000	Range 83	- 120	Recovery	=	95.20%	
73) 4-bromofluorobenzene	13.70	174	285118	46.67	ppb	0.00
Spiked Amount 50.000	Range 74	- 123	Recovery	=	93.34%	

Target Compounds

						Qvalue
2) dichlorodifluoromethane	4.41	85	34022	4.02	ppb	99
3) chloromethane	4.74	50	79154	5.58	ppb	99
4) vinyl chloride	4.91	62	57453	5.54	ppb	94
5) bromomethane	5.46	96	34770	10.84	ppb	96
6) chloroethane	5.65	64	37138	5.69	ppb	96
7) trichlorofluoromethane	5.87	101	53129	5.17	ppb	90
8) ethanol	6.35	45	10666	117.35	ppb	# 79
9) acrolein	6.98	56	178083	56.79	ppb	99
10) 1,1,2-trichloro-1,2,2-trif	6.59	101	41181	5.43	ppb	90
11) 1,1-dichloroethene	6.58	96	38810	5.59	ppb	89
12) acetone	7.32	58	15779	28.90	ppb	88
13) iodomethane	6.81	142	67989	4.96	ppb	96
14) carbon disulfide	6.69	76	138727	5.01	ppb	# 88
15) allyl chloride	7.15	76	24408	5.36	ppb	90
16) acetonitrile	7.89	41	51200	58.02	ppb	98
17) methylene chloride	7.28	84	84762	9.64	ppb	97
18) tert-butanol	7.57	59	26193	34.74	ppb	70
19) methyl-t-butyl-ether	7.57	73	193250	10.12	ppb	96
20) trans-1,2-dichloroethene	7.49	96	46130	5.63	ppb	98
21) acrylonitrile	8.25	53	289746	52.68	ppb	95
22) isopropyl ether	7.96	45	168889	5.14	ppb	97
23) vinyl acetate	8.41	43	58144	5.62	ppb	98
24) 1,1-dichloroethane	8.21	63	78331	5.09	ppb	98
25) chloroprene	8.18	53	71610	6.04	ppb	96
26) 2-butanone	9.37	43	74793	22.67	ppb	99
27) ethyl tert-butyl ether	8.39	59	135424	5.23	ppb	98
28) 2,2-dichloropropane	8.96	77	57976	5.64	ppb	92
29) cis-1,2-dichloroethene	8.81	96	47149	5.22	ppb	98
30) propionitrile	9.71	54	54879	60.46	ppb	92
31) methacrylonitrile	9.73	41	68893	5.94	ppb	87
32) bromochloromethane	9.04	128	22300	5.14	ppb	97
33) chloroform	9.07	83	74063	5.02	ppb	97
35) 1,1,1-trichloroethane	9.36	97	62718	5.59	ppb	92
36) carbon tetrachloride	9.29	117	51329	5.16	ppb	95
37) 1,1-dichloropropene	9.47	75	55635	5.29	ppb	97
38) isobutyl alcohol	9.74	43	77877	110.42	ppb	# 66
40) tert-amyl methyl ether	9.75	73	108582	5.29	ppb	98
41) benzene	9.73	78	160111	5.01	ppb	98
42) 1,2-dichloroethane	9.91	62	46826	5.16	ppb	97
43) trichloroethene	10.27	95	47083	5.87	ppb	96

(#) = qualifier out of range (m) = manual integration
 B54924.D 020509S.M Fri Feb 06 09:40:28 2009

Data File : C:\HPCHEM\1\DATA\020509\B54924.D

Vial: 3

Acq On : 5 Feb 2009 13:09

Operator: SDW-SOP525r12

Sample : VOC_5.0ppb_ICAL

Inst : CSS Instr

Misc : 5mls htd water

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Results File: 020509S.RES

Quant Time: Feb 6 9:39 2009

Quant Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)

Title : GC/MS Volatiles (S.O.P. 525)

Last Update : Fri Feb 06 09:20:04 2009

Response via : Initial Calibration

DataAcq Meth : 020509S

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44) 1,2-dichloropropane	10.76	63	44146	5.07	ppb	# 96
45) methyl methacrylate	10.85	69	25429	5.63	ppb	86
46) 1,4-dioxane	10.95	88	5704	97.35	ppb	# 88
47) dibromomethane	10.67	93	27412	5.50	ppb	96
48) bromodichloromethane	10.78	83	57783	5.14	ppb	95
49) 2-chloroethyl vinyl ether	11.22	63	18803	4.88	ppb	96
50) 2-pentanone	0.00	43	0	N.D.	d	
51) cis-1,3-dichloropropene	11.33	75	67664	5.11	ppb	98
52) 4-methyl-2-pentanone	11.81	43	166876	23.29	ppb	98
55) toluene	11.56	91	149688	4.96	ppb	97
56) ethyl methacrylate	11.93	69	52129	5.56	ppb	98
57) trans-1,3-dichloropropene	11.86	75	59030	5.15	ppb	# 88
58) 1,1,2-trichloroethane	12.01	83	29887	5.36	ppb	99
59) tetrachloroethene	11.90	164	25889	5.00	ppb	97
60) 2-hexanone	12.48	43	115644	22.37	ppb	99
61) 1,3-dichloropropane	12.26	76	54919	4.99	ppb	94
62) dibromochloromethane	12.19	129	39235	5.08	ppb	97
63) 1,2-dibromoethane	12.42	107	36114	5.20	ppb	98
64) 1-chlorohexane	12.73	91	60693	5.35	ppb	97
65) chlorobenzene	12.81	112	98010	5.10	ppb	100
66) ethylbenzene	12.79	91	165936	5.04	ppb	99
67) 1,1,1,2-tetrachloroethane	12.85	131	36065	5.08	ppb	97
68) m,p-xylene	12.90	106	127648	10.47	ppb	93
69) o-xylene	13.24	106	61439	4.93	ppb	91
70) styrene	13.27	104	113634	5.11	ppb	97
71) bromoform	13.34	173	22267	4.67	ppb	93
72) isopropylbenzene	13.46	105	154440	4.98	ppb	100
75) 1,1,2,2-tetrachloroethane	13.80	83	43401	5.86	ppb	97
76) n-propylbenzene	13.76	91	197391	5.32	ppb	95
77) trans-1,4-dichloro-2-buten	13.94	53	12637	6.74	ppb	89
78) 1,2,3-trichloropropane	13.94	110	12513	6.09	ppb	78
79) bromobenzene	13.81	156	36375	5.40	ppb	87
80) 1,3,5-trimethylbenzene	13.89	105	128327	5.43	ppb	98
81) 2-chlorotoluene	13.93	126	38585	5.65	ppb	97
82) 4-chlorotoluene	14.05	126	36442	5.50	ppb	99
83) tert-butylbenzene	14.16	134	25892	5.75	ppb	76
84) 1,2,4-trimethylbenzene	14.20	105	118367	5.27	ppb	97
85) sec-butylbenzene	14.28	105	171162	5.32	ppb	98
86) p-isopropyltoluene	14.37	119	131786	5.17	ppb	98
87) 1,3-dichlorobenzene	14.51	146	65746	5.46	ppb	95
88) 1,4-dichlorobenzene	14.58	146	62055	5.27	ppb	# 91
89) n-butylbenzene	14.71	91	126478	5.11	ppb	97
90) 1,2-dichlorobenzene	14.93	146	57148	5.26	ppb	97
91) hexachloroethane	14.93	201	16763	4.99	ppb	88
92) 1,2-dibromo-3-chloropropan	15.60	157	6776	5.72	ppb	95
93) 1,2,4-trichlorobenzene	16.25	180	30476	4.61	ppb	96
94) hexachlorobutadiene	16.17	225	18921	4.69	ppb	94
95) naphthalene	16.62	128	70144	4.74	ppb	100
96) 1,2,3-trichlorobenzene	16.83	180	26577	4.68	ppb	94

(#) = qualifier out of range (m) = manual integration

B54924.D 020509S.M

Fri Feb 06 09:40:29 2009

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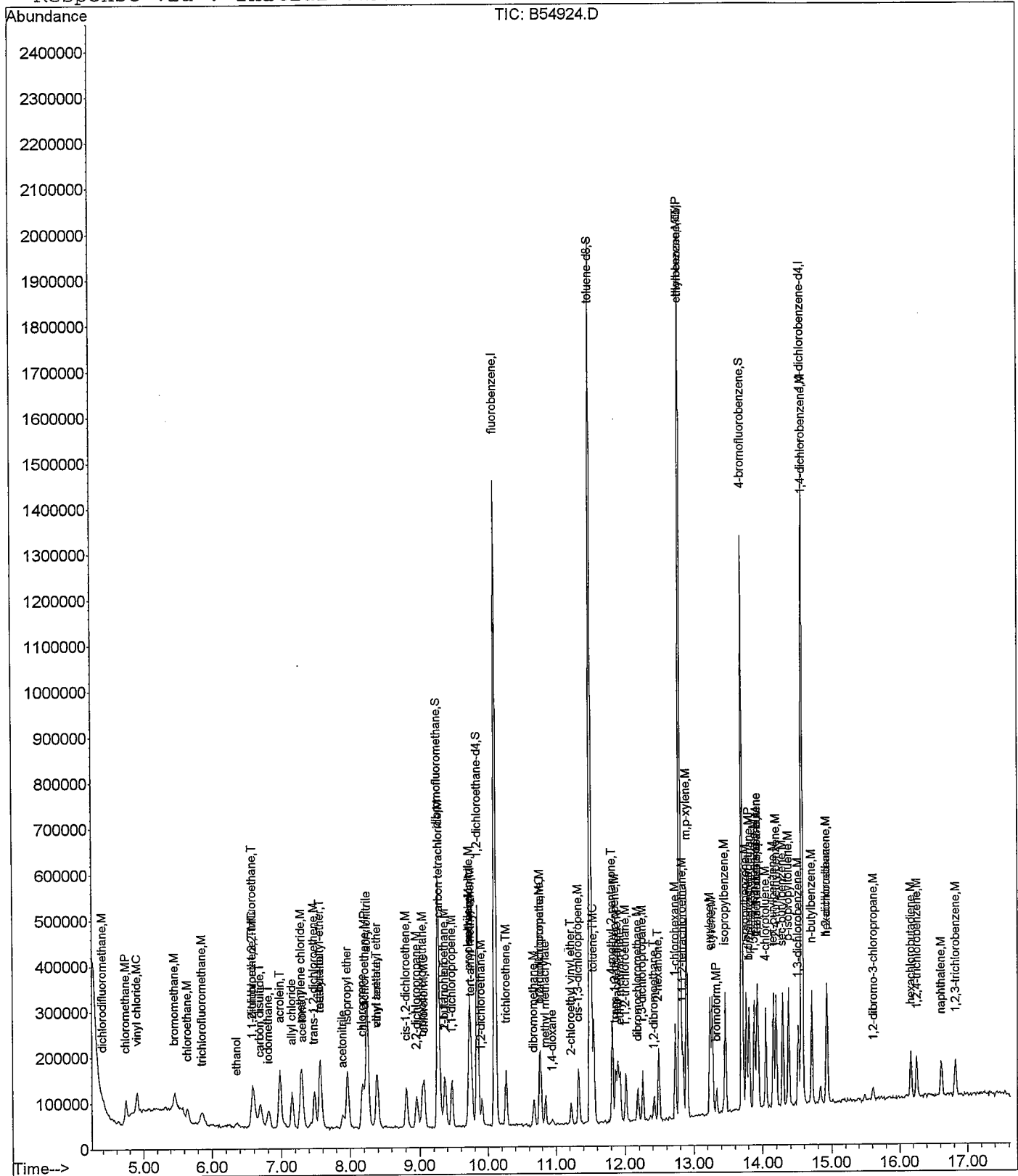
Quantitation Report

Data File : C:\HPCHEM\1\DATA\020509\B54924.D
Acq On : 5 Feb 2009 13:09
Sample : VOC_5.0ppb_ICAL
Misc : 5mls htd water
MS Integration Params: rteint.p
Quant Time: Feb 6 9:39 2009

Vial: 3
Operator: SDW-SOP525r12
Inst : CSS Instr
Multiplr: 1.00

Quant Results File: 020509S.RES

Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Fri Feb 06 09:36:34 2009
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\020509\B54925.D

Vial: 4

Acq On : 5 Feb 2009 13:31

Operator: SDW-SOP525r12

Sample : VOC_10ppb_ICAL

Inst : CSS Instr

Misc : 5mls htd water

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Feb 6 9:20 2009

Quant Results File: 020509S.RES

Quant Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)

Title : GC/MS Volatiles (S.O.P. 525)

Last Update : Fri Feb 06 09:20:04 2009

Response via : Initial Calibration

DataAcq Meth : 020509S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	10.10	96	1353159	50.00	ppb	0.00
53) chlorobenzene-d5	12.80	117	950230	50.00	ppb	0.00
74) 1,4-dichlorobenzene-d4	14.56	152	354061	50.00	ppb	0.00

System Monitoring Compounds

34) dibromofluoromethane	9.27	113	413012	50.42	ppb	0.00
Spiked Amount 50.000	Range 79	- 120	Recovery	=	100.84%	
39) 1,2-dichloroethane-d4	9.84	65	350592	51.99	ppb	0.00
Spiked Amount 50.000	Range 62	- 139	Recovery	=	103.98%	
54) toluene-d8	11.50	100	842203	46.72	ppb	0.00
Spiked Amount 50.000	Range 83	- 120	Recovery	=	93.44%	
73) 4-bromofluorobenzene	13.71	174	290697	46.00	ppb	0.00
Spiked Amount 50.000	Range 74	- 123	Recovery	=	92.00%	

Target Compounds

						Qvalue
2) dichlorodifluoromethane	4.40	85	76609	8.90	ppb	90
3) chloromethane	4.74	50	152978	10.62	ppb	99
4) vinyl chloride	4.90	62	112616	10.69	ppb	100
5) bromomethane	5.46	96	70079	21.50	ppb	93
6) chloroethane	5.64	64	70982	10.70	ppb	95
7) trichlorofluoromethane	5.87	101	102971	9.87	ppb	94
8) ethanol	6.35	45	21172	229.30	ppb	98
9) acrolein	6.97	56	334502	105.00	ppb	99
10) 1,1,2-trichloro-1,2,2-trif	6.60	101	79193	10.29	ppb	95
11) 1,1-dichloroethene	6.58	96	76915	10.91	ppb	91
12) acetone	7.31	58	29959	54.02	ppb	79
13) iodomethane	6.81	142	137853	9.89	ppb	99
14) carbon disulfide	6.70	76	280458	9.97	ppb	94
15) allyl chloride	7.16	76	48712	10.54	ppb	85
16) acetonitrile	7.89	41	91511	102.07	ppb	94
17) methylene chloride	7.29	84	129874	14.54	ppb	98
18) tert-butanol	7.57	59	49243	64.30	ppb	74
19) methyl-t-butyl-ether	7.56	73	393669	20.29	ppb	99
20) trans-1,2-dichloroethene	7.48	96	86939	10.45	ppb	97
21) acrylonitrile	8.24	53	580264	103.86	ppb	98
22) isopropyl ether	7.96	45	335021	10.04	ppb	99
23) vinyl acetate	8.40	43	114861	10.93	ppb	97
24) 1,1-dichloroethane	8.20	63	159065	10.17	ppb	99
25) chloroprene	8.17	53	134481	11.16	ppb	96
26) 2-butanone	9.37	43	153416	45.77	ppb	# 98
27) ethyl tert-butyl ether	8.39	59	265658	10.10	ppb	98
28) 2,2-dichloropropane	8.96	77	112496	10.78	ppb	99
29) cis-1,2-dichloroethene	8.81	96	94704	10.32	ppb	97
30) propionitrile	9.70	54	107609	116.69	ppb	# 84
31) methacrylonitrile	9.73	41	135032	11.47	ppb	89
32) bromochloromethane	9.04	128	44221	10.03	ppb	97
33) chloroform	9.07	83	149854	10.00	ppb	94
35) 1,1,1-trichloroethane	9.35	97	122931	10.78	ppb	100
36) carbon tetrachloride	9.30	117	107160	10.61	ppb	94
37) 1,1-dichloropropene	9.46	75	110394	10.33	ppb	97
38) isobutyl alcohol	9.73	43	156402	218.29	ppb	# 56
40) tert-amyl methyl ether	9.76	73	212715	10.19	ppb	99
41) benzene	9.72	78	332070	10.23	ppb	96
42) 1,2-dichloroethane	9.91	62	94633	10.27	ppb	99
43) trichloroethene	10.26	95	86753	10.65	ppb	96

(#) = qualifier out of range (m) = manual integration
 B54925.D 020509S.M Fri Feb 06 09:20:32 2009

SW 2/6/09

Data File : C:\HPCHEM\1\DATA\020509\B54925.D

Vial: 4

Acq On : 5 Feb 2009 13:31

Operator: SDW-SOP525r12

Sample : VOC_10ppb_ICAL

Inst : CSS Instr

Misc : 5mls htd water

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Feb 6 9:20 2009

Quant Results File: 020509S.RES

Quant Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)

Title : GC/MS Volatiles (S.O.P. 525)

Last Update : Fri Feb 06 09:20:04 2009

Response via : Initial Calibration

DataAcq Meth : 020509S

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44) 1,2-dichloropropane	10.76	63	88184	9.97	ppb	99
45) methyl methacrylate	10.84	69	53385	11.62	ppb	98
46) 1,4-dioxane	10.94	88	11761	197.59	ppb	# 77
47) dibromomethane	10.67	93	53557	10.58	ppb	94
48) bromodichloromethane	10.77	83	120779	10.58	ppb	95
49) 2-chloroethyl vinyl ether	11.23	63	37891	9.68	ppb	95
50) 2-pentanone	10.94	43	5838	No Calib	#	
51) cis-1,3-dichloropropene	11.33	75	137362	10.22	ppb	98
52) 4-methyl-2-pentanone	11.82	43	336824	46.27	ppb	99
55) toluene	11.55	91	305654	9.79	ppb	99
56) ethyl methacrylate	11.92	69	105159	10.85	ppb	98
57) trans-1,3-dichloropropene	11.87	75	116456	9.82	ppb	92
58) 1,1,2-trichloroethane	12.01	83	57205	9.92	ppb	98
59) tetrachloroethene	11.90	164	53102	9.90	ppb	98
60) 2-hexanone	12.49	43	220403	41.21	ppb	97
61) 1,3-dichloropropane	12.26	76	114394	10.05	ppb	99
62) dibromochloromethane	12.18	129	75270	9.43	ppb	93
63) 1,2-dibromoethane	12.42	107	70110	9.76	ppb	100
64) 1-chlorohexane	12.73	91	119751	10.20	ppb	98
65) chlorobenzene	12.81	112	193588	9.73	ppb	96
66) ethylbenzene	12.79	91	332568	9.77	ppb	98
67) 1,1,1,2-tetrachloroethane	12.84	131	69938	9.53	ppb	94
68) m,p-xylene	12.90	106	245535	19.46	ppb	93
69) o-xylene	13.23	106	121809	9.45	ppb	93
70) styrene	13.27	104	217785	9.46	ppb	98
71) bromoform	13.33	173	45307	9.17	ppb	98
72) isopropylbenzene	13.46	105	308831	9.63	ppb	99
75) 1,1,2,2-tetrachloroethane	13.81	83	85545	11.18	ppb	99
76) n-propylbenzene	13.77	91	390332	10.18	ppb	99
77) trans-1,4-dichloro-2-buten	13.94	53	21741	11.23	ppb	# 84
78) 1,2,3-trichloropropane	13.94	110	23996	11.30	ppb	81
79) bromobenzene	13.82	156	72266	10.39	ppb	84
80) 1,3,5-trimethylbenzene	13.88	105	254443	10.42	ppb	100
81) 2-chlorotoluene	13.92	126	71567	10.15	ppb	84
82) 4-chlorotoluene	14.05	126	73674	10.77	ppb	90
83) tert-butylbenzene	14.16	134	50564	10.86	ppb	92
84) 1,2,4-trimethylbenzene	14.20	105	244710	10.54	ppb	98
85) sec-butylbenzene	14.29	105	339704	10.22	ppb	99
86) p-isopropyltoluene	14.38	119	271011	10.30	ppb	99
87) 1,3-dichlorobenzene	14.51	146	129574	10.41	ppb	97
88) 1,4-dichlorobenzene	14.58	146	129575	10.65	ppb	96
89) n-butylbenzene	14.71	91	262246	10.26	ppb	98
90) 1,2-dichlorobenzene	14.93	146	115140	10.25	ppb	96
91) hexachloroethane	14.93	201	36600	10.54	ppb	97
92) 1,2-dibromo-3-chloropropan	15.61	157	12795	10.46	ppb	94
93) 1,2,4-trichlorobenzene	16.25	180	62674	9.18	ppb	98
94) hexachlorobutadiene	16.17	225	39545	9.50	ppb	95
95) naphthalene	16.61	128	148863	9.74	ppb	100
96) 1,2,3-trichlorobenzene	16.83	180	53057	9.05	ppb	99

(#) = qualifier out of range (m) = manual integration

B54925.D 020509S.M Fri Feb 06 09:20:32 2009

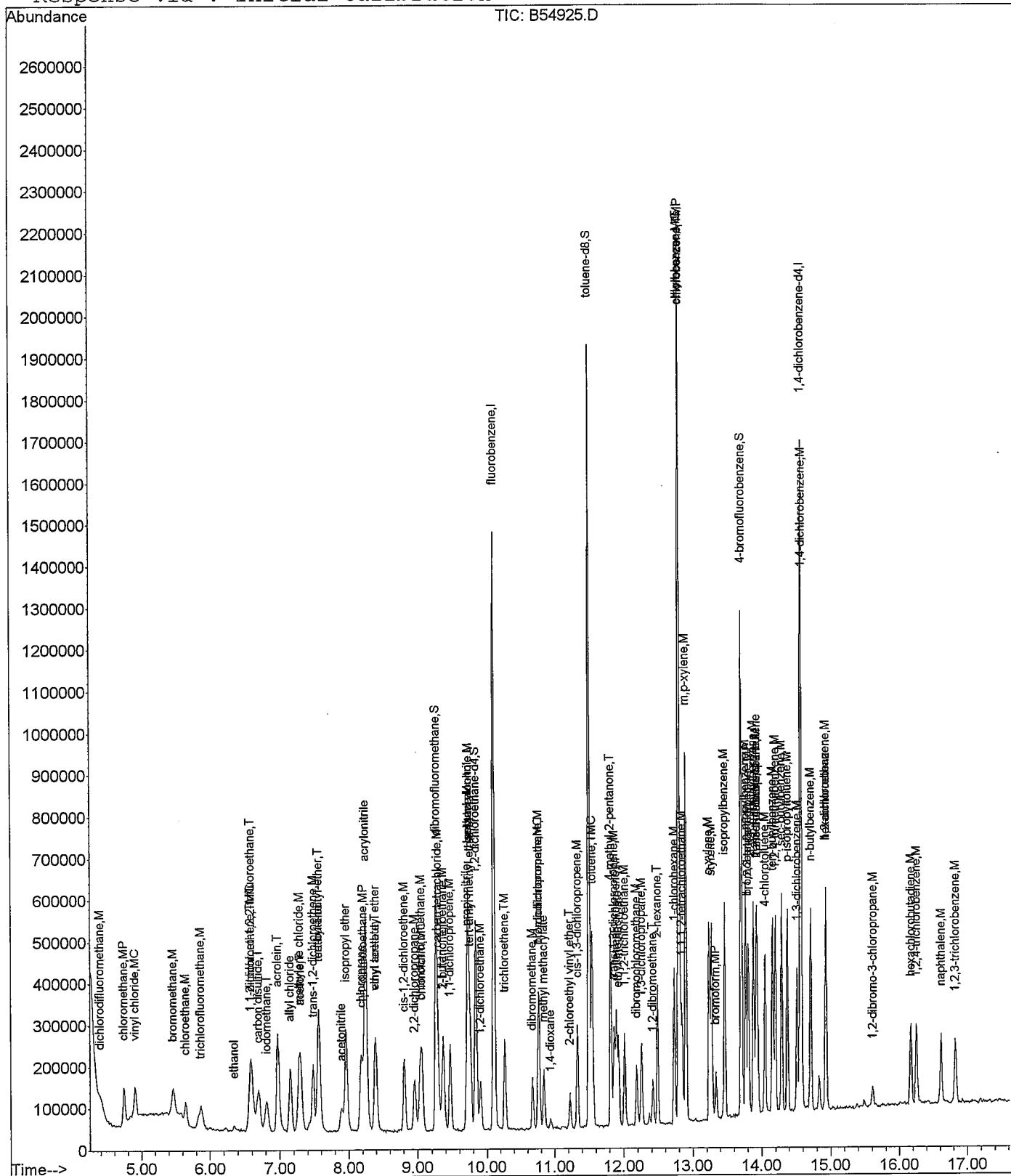
Quantitation Report

Data File : C:\HPCHEM\1\DATA\020509\B54925.D
 Acq On : 5 Feb 2009 13:31
 Sample : VOC_10ppb_ICAL
 Misc : 5mls htd water
 MS Integration Params: rteint.p
 Quant Time: Feb 6 9:20 2009

Vial: 4
 Operator: SDW-SOP525r12
 Inst : CSS Instr
 Multiplr: 1.00

Quant Results File: 020509S.RES

Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)
 Title : GC/MS Volatiles (S.O.P. 525)
 Last Update : Fri Feb 06 09:20:04 2009
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\020509\B54926.D

Vial: 5

Acq On : 5 Feb 2009 13:54

Operator: SDW-SOP525r12

Sample : VOC_20ppb_ICAL

Inst : CSS Instr

Misc : 5mls htd water

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Feb 6 9:20 2009

Quant Results File: 020509S.RES

Quant Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)

Title : GC/MS Volatiles (S.O.P. 525)

Last Update : Fri Feb 06 09:20:04 2009

Response via : Initial Calibration

DataAcq Meth : 020509S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	10.10	96	1356211	50.00	ppb	0.00
53) chlorobenzene-d5	12.80	117	925670	50.00	ppb	0.00
74) 1,4-dichlorobenzene-d4	14.56	152	358200	50.00	ppb	0.00

System Monitoring Compounds

34) dibromofluoromethane	9.26	113	415251	50.58	ppb	0.00
Spiked Amount 50.000	Range 79	- 120	Recovery	=	101.16%	
39) 1,2-dichloroethane-d4	9.83	65	353466	52.30	ppb	0.00
Spiked Amount 50.000	Range 62	- 139	Recovery	=	104.60%	
54) toluene-d8	11.51	100	851225	48.48	ppb	0.00
Spiked Amount 50.000	Range 83	- 120	Recovery	=	96.96%	
73) 4-bromofluorobenzene	13.70	174	291284	47.31	ppb	0.00
Spiked Amount 50.000	Range 74	- 123	Recovery	=	94.62%	

Target Compounds

						Qvalue
2) dichlorodifluoromethane	4.40	85	175074	20.30	ppb	100
3) chloromethane	4.74	50	298065	20.65	ppb	98
4) vinyl chloride	4.91	62	225306	21.33	ppb	99
5) bromomethane	5.46	96	131625	40.29	ppb	95
6) chloroethane	5.65	64	145883	21.94	ppb	99
7) trichlorofluoromethane	5.88	101	213762	20.44	ppb	92
8) ethanol	6.35	45	40731	440.13	ppb	93
9) acrolein	6.97	56	770589	241.33	ppb	99
10) 1,1,2-trichloro-1,2,2-trif	6.60	101	161297	20.90	ppb	99
11) 1,1-dichloroethene	6.58	96	153322	21.70	ppb	91
12) acetone	7.30	58	52391	94.25	ppb	84
13) iodomethane	6.81	142	281067	20.12	ppb	100
14) carbon disulfide	6.69	76	585128	20.75	ppb	97
15) allyl chloride	7.16	76	102911	22.21	ppb	99
16) acetonitrile	7.89	41	194567	216.53	ppb	98
17) methylene chloride	7.28	84	192402	21.48	ppb	95
18) tert-butanol	7.57	59	116602	151.90	ppb	# 58
19) methyl-t-butyl-ether	7.57	73	818118	42.08	ppb	100
20) trans-1,2-dichloroethene	7.48	96	181838	21.81	ppb	95
21) acrylonitrile	8.25	53	1288362	230.08	ppb	98
22) isopropyl ether	7.96	45	744216	22.25	ppb	99
23) vinyl acetate	8.40	43	217159	20.61	ppb	97
24) 1,1-dichloroethane	8.21	63	321762	20.52	ppb	99
25) chloroprene	8.17	53	279355	23.13	ppb	97
26) 2-butanone	9.37	43	297005	88.42	ppb	100
27) ethyl tert-butyl ether	8.39	59	581764	22.07	ppb	99
28) 2,2-dichloropropane	8.96	77	228188	21.81	ppb	98
29) cis-1,2-dichloroethene	8.81	96	189363	20.58	ppb	98
30) propionitrile	9.71	54	207717	224.75	ppb	94
31) methacrylonitrile	9.73	41	282441	23.93	ppb	92
32) bromochloromethane	9.04	128	90229	20.42	ppb	96
33) chloroform	9.07	83	308068	20.50	ppb	98
35) 1,1,1-trichloroethane	9.36	97	246540	21.57	ppb	98
36) carbon tetrachloride	9.29	117	216097	21.34	ppb	98
37) 1,1-dichloropropene	9.46	75	232589	21.71	ppb	99
38) isobutyl alcohol	9.75	43	344558	479.81	ppb	95
40) tert-amyl methyl ether	9.76	73	485768	23.22	ppb	99
41) benzene	9.73	78	677025	20.81	ppb	98
42) 1,2-dichloroethane	9.90	62	189184	20.48	ppb	99
43) trichloroethene	10.27	95	175886	21.54	ppb	99

(#) = qualifier out of range (m) = manual integration

B54926.D 020509S.M

Fri Feb 06 09:20:35 2009

sm 2/6/09

Page 1

Data File : C:\HPCHEM\1\DATA\020509\B54926.D

Vial: 5

Acq On : 5 Feb 2009 13:54

Operator: SDW-SOP525r12

Sample : VOC_20ppb_ICAL

Inst : CSS Instr

Misc : 5mls htd water

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Results File: 020509S.RES

Quant Time: Feb 6 9:20 2009

Quant Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)

Title : GC/MS Volatiles (S.O.P. 525)

Last Update : Fri Feb 06 09:20:04 2009

Response via : Initial Calibration

DataAcq Meth : 020509S

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44) 1,2-dichloropropane	10.76	63	178430	20.13	ppb	97
45) methyl methacrylate	10.84	69	103465	22.48	ppb	98
46) 1,4-dioxane	10.94	88	26297	440.80	ppb	97
47) dibromomethane	10.67	93	107448	21.17	ppb	98
48) bromodichloromethane	10.78	83	231564	20.24	ppb	98
49) 2-chloroethyl vinyl ether	11.22	63	78257	19.94	ppb	97
50) 2-pentanone	10.94	43	9038	No Calib	#	
51) cis-1,3-dichloropropene	11.33	75	278056	20.64	ppb	100
52) 4-methyl-2-pentanone	11.81	43	664027	91.01	ppb	99
55) toluene	11.55	91	613189	20.17	ppb	98
56) ethyl methacrylate	11.93	69	204501	21.65	ppb	98
57) trans-1,3-dichloropropene	11.86	75	236017	20.43	ppb	97
58) 1,1,2-trichloroethane	12.01	83	116159	20.69	ppb	99
59) tetrachloroethene	11.90	164	110374	21.13	ppb	96
60) 2-hexanone	12.48	43	453064	86.97	ppb	99
61) 1,3-dichloropropane	12.26	76	228663	20.63	ppb	99
62) dibromochloromethane	12.19	129	155221	19.96	ppb	96
63) 1,2-dibromoethane	12.42	107	143418	20.49	ppb	96
64) 1-chlorohexane	12.73	91	252822	22.10	ppb	99
65) chlorobenzene	12.81	112	388332	20.03	ppb	98
66) ethylbenzene	12.79	91	670258	20.21	ppb	98
67) 1,1,1,2-tetrachloroethane	12.84	131	145524	20.35	ppb	98
68) m,p-xylene	12.90	106	505602	41.13	ppb	96
69) o-xylene	13.24	106	250107	19.92	ppb	99
70) styrene	13.27	104	450677	20.10	ppb	99
71) bromoform	13.34	173	96611	20.08	ppb	98
72) isopropylbenzene	13.46	105	630463	20.18	ppb	99
75) 1,1,2,2-tetrachloroethane	13.80	83	180346	23.30	ppb	97
76) n-propylbenzene	13.76	91	797110	20.55	ppb	98
77) trans-1,4-dichloro-2-buten	13.94	53	47444	24.23	ppb	97
78) 1,2,3-trichloropropane	13.94	110	49937	23.25	ppb	81
79) bromobenzene	13.81	156	147106	20.91	ppb	95
80) 1,3,5-trimethylbenzene	13.89	105	509532	20.62	ppb	98
81) 2-chlorotoluene	13.93	126	150595	21.11	ppb	97
82) 4-chlorotoluene	14.05	126	149695	21.62	ppb	95
83) tert-butylbenzene	14.16	134	100547	21.35	ppb	89
84) 1,2,4-trimethylbenzene	14.20	105	479223	20.41	ppb	99
85) sec-butylbenzene	14.29	105	679617	20.21	ppb	96
86) p-isopropyltoluene	14.37	119	533173	20.02	ppb	99
87) 1,3-dichlorobenzene	14.51	146	259231	20.59	ppb	98
88) 1,4-dichlorobenzene	14.58	146	257517	20.93	ppb	99
89) n-butylbenzene	14.71	91	496139	19.19	ppb	99
90) 1,2-dichlorobenzene	14.94	146	234899	20.67	ppb	98
91) hexachloroethane	14.93	201	75486	21.50	ppb	99
92) 1,2-dibromo-3-chloropropan	15.62	157	26772	21.63	ppb	95
93) 1,2,4-trichlorobenzene	16.26	180	123724	17.91	ppb	99
94) hexachlorobutadiene	16.17	225	70179	16.66	ppb	99
95) naphthalene	16.62	128	297392	19.23	ppb	100
96) 1,2,3-trichlorobenzene	16.83	180	105733	17.82	ppb	99

(#) = qualifier out of range (m) = manual integration

B54926.D 020509S.M Fri Feb 06 09:20:35 2009

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Data File : C:\HPCHEM\1\DATA\020509\B54928.D

Vial: 7

Acq On : 5 Feb 2009 14:39

Operator: SDW-SOP525r12

Sample : VOC_50ppb_CSTD

Inst : CSS Instr

Misc : 5mls htd water

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Feb 6 9:20 2009

Quant Results File: 020509S.RES

Quant Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)

Title : GC/MS Volatiles (S.O.P. 525)

Last Update : Fri Feb 06 09:20:04 2009

Response via : Initial Calibration

DataAcq Meth : 020509S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	10.10	96	1423602	50.00	ppb	0.00
53) chlorobenzene-d5	12.80	117	987159	50.00	ppb	0.00
74) 1,4-dichlorobenzene-d4	14.56	152	379566	50.00	ppb	0.00

System Monitoring Compounds

34) dibromofluoromethane	9.26	113	428677	49.74	ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery	=	99.48%	
39) 1,2-dichloroethane-d4	9.83	65	349264	49.23	ppb	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery	=	98.46%	
54) toluene-d8	11.51	100	876377	46.80	ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery	=	93.60%	
73) 4-bromofluorobenzene	13.70	174	306611	46.70	ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery	=	93.40%	

Target Compounds

						Qvalue
2) dichlorodifluoromethane	4.40	85	439526	48.55	ppb	100
3) chloromethane	4.74	50	771747	50.94	ppb	99
4) vinyl chloride	4.91	62	580730	52.38	ppb	98
5) bromomethane	5.46	96	307527	89.67	ppb	98
6) chloroethane	5.65	64	367195	52.61	ppb	98
7) trichlorofluoromethane	5.87	101	559324	50.96	ppb	100
8) ethanol	6.35	45	99720	1026.54	ppb	98
9) acrolein	6.97	56	1752416	522.84	ppb	100
10) 1,1,2-trichloro-1,2,2-trif	6.60	101	417378	51.53	ppb	99
11) 1,1-dichloroethene	6.58	96	386275	52.08	ppb	99
12) acetone	7.31	58	122491	209.94	ppb	99
13) iodomethane	6.81	142	732754	49.97	ppb	99
14) carbon disulfide	6.70	76	1509210	51.00	ppb	100
15) allyl chloride	7.16	76	253478	52.11	ppb	97
16) acetonitrile	7.89	41	470332	498.65	ppb	98
17) methylene chloride	7.28	84	477271	50.77	ppb	95
18) tert-butanol	7.57	59	244529	303.48	ppb	81
19) methyl-t-butyl-ether	7.57	73	2094189	102.62	ppb	99
20) trans-1,2-dichloroethene	7.48	96	450500	51.48	ppb	98
21) acrylonitrile	8.25	53	2984497	507.74	ppb	97
22) isopropyl ether	7.96	45	1827099	52.04	ppb	99
23) vinyl acetate	8.40	43	584746	52.87	ppb	99
24) 1,1-dichloroethane	8.21	63	844249	51.30	ppb	99
25) chloroprene	8.18	53	688085	54.27	ppb	99
26) 2-butanone	9.37	43	745870	211.53	ppb	99
27) ethyl tert-butyl ether	8.39	59	1455216	52.59	ppb	100
28) 2,2-dichloropropane	8.96	77	577838	52.62	ppb	98
29) cis-1,2-dichloroethene	8.81	96	489819	50.73	ppb	99
30) propionitrile	9.71	54	512210	527.97	ppb	97
31) methacrylonitrile	9.73	41	682434	55.09	ppb	96
32) bromochloromethane	9.04	128	232372	50.11	ppb	97
33) chloroform	9.07	83	810552	51.39	ppb	100
35) 1,1,1-trichloroethane	9.36	97	624760	52.08	ppb	99
36) carbon tetrachloride	9.29	117	555688	52.28	ppb	99
37) 1,1-dichloropropene	9.47	75	588558	52.34	ppb	99
38) isobutyl alcohol	9.74	43	818378	1085.67	ppb	# 66
40) tert-amyl methyl ether	9.76	73	1168400	53.21	ppb	98
41) benzene	9.73	78	1738392	50.89	ppb	99
42) 1,2-dichloroethane	9.90	62	497406	51.30	ppb	100
43) trichloroethene	10.27	95	451450	52.67	ppb	99

(#) = qualifier out of range (m) = manual integration

B54928.D 020509S.M

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SW 2/6/09

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Data File : C:\HPCHEM\1\DATA\020509\B54928.D

Vial: 7

Acq On : 5 Feb 2009 14:39

Operator: SDW-SOP525r12

Sample : VOC_50ppb_CSTD

Inst : CSS Instr

Misc : 5mls htd water

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Results File: 020509S.RES

Quant Time: Feb 6 9:20 2009

Quant Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)

Title : GC/MS Volatiles (S.O.P. 525)

Last Update : Fri Feb 06 09:20:04 2009

Response via : Initial Calibration

DataAcq Meth : 020509S

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44) 1,2-dichloropropane	10.76	63	478580	51.42	ppb	99
45) methyl methacrylate	10.85	69	257239	53.24	ppb	95
46) 1,4-dioxane	10.95	88	68975	1101.46	ppb	96
47) dibromomethane	10.67	93	274490	51.52	ppb	98
48) bromodichloromethane	10.78	83	604683	50.34	ppb	99
49) 2-chloroethyl vinyl ether	11.22	63	202989	49.28	ppb	99
50) 2-pentanone	10.94	43	30113	No Calib	#	
51) cis-1,3-dichloropropene	11.33	75	723281	51.14	ppb	99
52) 4-methyl-2-pentanone	11.81	43	1632478	213.16	ppb	99
55) toluene	11.56	91	1583028	48.82	ppb	100
56) ethyl methacrylate	11.93	69	504769	50.12	ppb	99
57) trans-1,3-dichloropropene	11.86	75	600955	48.77	ppb	99
58) 1,1,2-trichloroethane	12.01	83	292774	48.89	ppb	99
59) tetrachloroethene	11.90	164	270517	48.57	ppb	98
60) 2-hexanone	12.48	43	1131829	203.73	ppb	99
61) 1,3-dichloropropane	12.26	76	587373	49.69	ppb	98
62) dibromochloromethane	12.19	129	402217	48.49	ppb	98
63) 1,2-dibromoethane	12.42	107	366138	49.06	ppb	96
64) 1-chlorohexane	12.73	91	611933	50.17	ppb	99
65) chlorobenzene	12.81	112	1008209	48.77	ppb	100
66) ethylbenzene	12.79	91	1726242	48.82	ppb	99
67) 1,1,1,2-tetrachloroethane	12.85	131	371826	48.76	ppb	98
68) m,p-xylene	12.90	106	1292579	98.60	ppb	97
69) o-xylene	13.24	106	650337	48.58	ppb	98
70) styrene	13.27	104	1156538	48.37	ppb	99
71) bromoform	13.34	173	248774	48.49	ppb	98
72) isopropylbenzene	13.46	105	1592505	47.79	ppb	98
75) 1,1,2,2-tetrachloroethane	13.80	83	439282	53.55	ppb	98
76) n-propylbenzene	13.76	91	2073177	50.43	ppb	96
77) trans-1,4-dichloro-2-buten	13.94	53	111312	53.65	ppb	92
78) 1,2,3-trichloropropane	13.94	110	120976	53.14	ppb	63
79) bromobenzene	13.81	156	382492	51.31	ppb	99
80) 1,3,5-trimethylbenzene	13.89	105	1305961	49.87	ppb	99
81) 2-chlorotoluene	13.93	126	389912	51.59	ppb	98
82) 4-chlorotoluene	14.05	126	378703	51.62	ppb	96
83) tert-butylbenzene	14.16	134	257555	51.61	ppb	95
84) 1,2,4-trimethylbenzene	14.20	105	1252066	50.31	ppb	99
85) sec-butylbenzene	14.29	105	1758518	49.36	ppb	97
86) p-isopropyltoluene	14.37	119	1397391	49.52	ppb	99
87) 1,3-dichlorobenzene	14.51	146	672004	50.38	ppb	99
88) 1,4-dichlorobenzene	14.58	146	655887	50.30	ppb	99
89) n-butylbenzene	14.71	91	1343493	49.04	ppb	100
90) 1,2-dichlorobenzene	14.94	146	608301	50.52	ppb	98
91) hexachloroethane	14.93	201	192221	51.66	ppb	99
92) 1,2-dibromo-3-chloropropan	15.61	157	67391	51.39	ppb	97
93) 1,2,4-trichlorobenzene	16.25	180	338442	46.23	ppb	99
94) hexachlorobutadiene	16.17	225	196809	44.10	ppb	97
95) naphthalene	16.62	128	755077	46.08	ppb	100
96) 1,2,3-trichlorobenzene	16.83	180	283518	45.10	ppb	100

(#) = qualifier out of range (m) = manual integration

B54928.D 020509S.M

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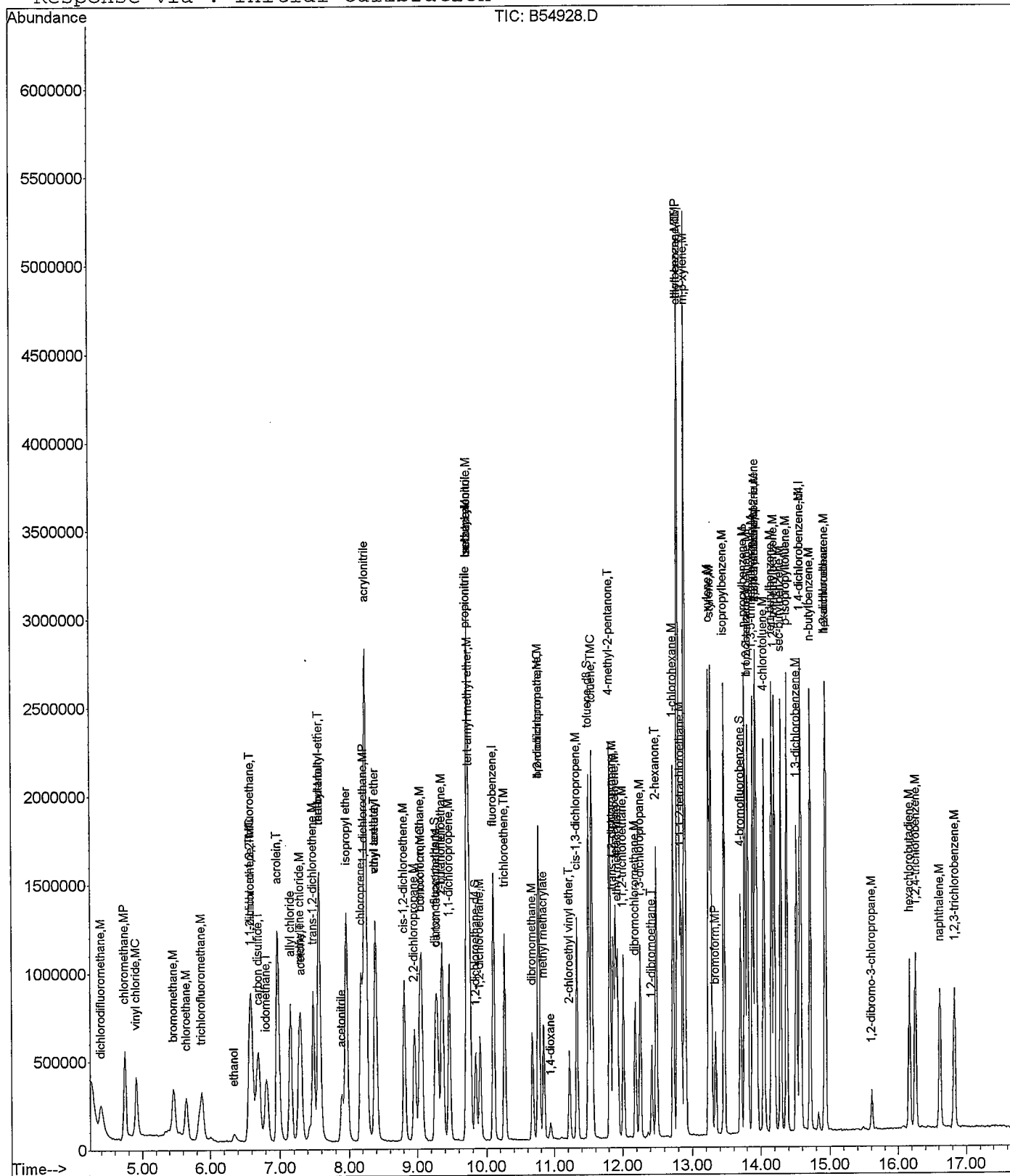
Quantitation Report

Data File : C:\HPCHEM\1\DATA\020509\B54928.D
Acq On : 5 Feb 2009 14:39
Sample : VOC_50ppb_CSTD
Misc : 5mls htd water
MS Integration Params: rteint.p
Quant Time: Feb 6 9:20 2009

Vial: 7
Operator: SDW-SOP525r12
Inst : CSS Instr
Multiplr: 1.00

Quant Results File: 020509S.RES

Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Fri Feb 06 09:20:04 2009
Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\020509\B54930.D

Vial: 9

Acq On : 5 Feb 2009 15:24

Operator: SDW-SOP525r12

Sample : VOC_75ppb_ICAL

Inst : CSS Instr

Misc : 5mls htd water

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Feb 6 9:20 2009

Quant Results File: 020509S.RES

Quant Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)

Title : GC/MS Volatiles (S.O.P. 525)

Last Update : Fri Feb 06 09:20:04 2009

Response via : Initial Calibration

DataAcq Meth : 020509S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	10.10	96	1406969	50.00	ppb	0.00
53) chlorobenzene-d5	12.80	117	1015976	50.00	ppb	0.00
74) 1,4-dichlorobenzene-d4	14.56	152	372828	50.00	ppb	0.00

System Monitoring Compounds

34) dibromofluoromethane	9.26	113	423392	49.71	ppb	0.00
Spiked Amount 50.000	Range 79	- 120	Recovery	=	99.42%	
39) 1,2-dichloroethane-d4	9.84	65	347872	49.61	ppb	0.00
Spiked Amount 50.000	Range 62	- 139	Recovery	=	99.22%	
54) toluene-d8	11.51	100	884653	45.90	ppb	0.00
Spiked Amount 50.000	Range 83	- 120	Recovery	=	91.80%	
73) 4-bromofluorobenzene	13.70	174	307644	45.53	ppb	0.00
Spiked Amount 50.000	Range 74	- 123	Recovery	=	91.06%	

Target Compounds

						Qvalue
2) dichlorodifluoromethane	4.40	85	660452	73.82	ppb	98
3) chloromethane	4.75	50	1093989	73.06	ppb	100
4) vinyl chloride	4.92	62	808947	73.83	ppb	99
5) bromomethane	5.46	96	391428	115.49	ppb	100
6) chloroethane	5.65	64	516863	74.93	ppb	98
7) trichlorofluoromethane	5.88	101	807343	74.42	ppb	98
8) ethanol	6.36	45	141778	1476.75	ppb	97
9) acrolein	6.98	56	2470971	745.94	ppb	99
10) 1,1,2-trichloro-1,2,2-trif	6.60	101	595679	74.41	ppb	98
11) 1,1-dichloroethene	6.58	96	554020	75.57	ppb	99
12) acetone	7.31	58	175628	304.57	ppb	97
13) iodomethane	6.82	142	1047177	72.26	ppb	99
14) carbon disulfide	6.70	76	2176892	74.43	ppb	100
15) allyl chloride	7.16	76	372079	77.40	ppb	98
16) acetonitrile	7.89	41	668360	716.99	ppb	100
17) methylene chloride	7.29	84	686132	73.85	ppb	100
18) tert-butanol	7.57	59	338450	425.01	ppb	84
19) methyl-t-butyl-ether	7.57	73	3022333	149.85	ppb	100
20) trans-1,2-dichloroethene	7.48	96	666215	77.03	ppb	97
21) acrylonitrile	8.25	53	4254846	732.42	ppb	98
22) isopropyl ether	7.96	45	2669624	76.93	ppb	100
23) vinyl acetate	8.40	43	841184	76.95	ppb	100
24) 1,1-dichloroethane	8.21	63	1252884	77.03	ppb	99
25) chloroprene	8.18	53	1058622	84.49	ppb	100
26) 2-butanone	9.37	43	1086736	311.85	ppb	100
27) ethyl tert-butyl ether	8.39	59	2072989	75.80	ppb	99
28) 2,2-dichloropropane	8.96	77	836874	77.11	ppb	99
29) cis-1,2-dichloroethene	8.81	96	726951	76.17	ppb	99
30) propionitrile	9.71	54	727448	758.69	ppb	99
31) methacrylonitrile	9.73	41	946704	77.32	ppb	99
32) bromochloromethane	9.04	128	348552	76.05	ppb	99
33) chloroform	9.07	83	1204986	77.31	ppb	99
35) 1,1,1-trichloroethane	9.36	97	920310	77.62	ppb	99
36) carbon tetrachloride	9.29	117	816703	77.74	ppb	97
37) 1,1-dichloropropene	9.47	75	887083	79.82	ppb	99
38) isobutyl alcohol	9.76	43	1156167	1551.91	ppb	# 73
40) tert-amyl methyl ether	9.76	73	1664236	76.69	ppb	99
41) benzene	9.73	78	2597424	76.94	ppb	99
42) 1,2-dichloroethane	9.90	62	721974	75.34	ppb	97
43) trichloroethene	10.27	95	662585	78.21	ppb	98

(#) = qualifier out of range (m) = manual integration

B54930.D 020509S.M

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smw 2/6/09

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Data File : C:\HPCHEM\1\DATA\020509\B54930.D

Vial: 9

Acq On : 5 Feb 2009 15:24

Operator: SDW-SOP525r12

Sample : VOC_75ppb_ICAL

Inst : CSS Instr

Misc : 5mls htd water

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Results File: 020509S.RES

Quant Time: Feb 6 9:20 2009

Quant Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)

Title : GC/MS Volatiles (S.O.P. 525)

Last Update : Fri Feb 06 09:20:04 2009

Response via : Initial Calibration

DataAcq Meth : 020509S

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44) 1,2-dichloropropane	10.76	63	713068	77.53	ppb	100
45) methyl methacrylate	10.84	69	364391	76.31	ppb	98
46) 1,4-dioxane	10.94	88	101918	1646.76	ppb	95
47) dibromomethane	10.67	93	402491	76.43	ppb	98
48) bromodichloromethane	10.78	83	906553	76.36	ppb	100
49) 2-chloroethyl vinyl ether	11.22	63	313800	77.08	ppb	99
50) 2-pentanone	10.94	43	35988	No Calib	#	
51) cis-1,3-dichloropropene	11.33	75	1081126	77.34	ppb	99
52) 4-methyl-2-pentanone	11.81	43	2360351	311.85	ppb	99
55) toluene	11.55	91	2391277	71.65	ppb	98
56) ethyl methacrylate	11.93	69	721998	69.65	ppb	100
57) trans-1,3-dichloropropene	11.86	75	900457	71.00	ppb	98
58) 1,1,2-trichloroethane	12.01	83	432432	70.16	ppb	97
59) tetrachloroethene	11.90	164	421970	73.61	ppb	99
60) 2-hexanone	12.48	43	1630691	285.20	ppb	99
61) 1,3-dichloropropane	12.26	76	859564	70.65	ppb	99
62) dibromochloromethane	12.19	129	605378	70.92	ppb	97
63) 1,2-dibromoethane	12.42	107	538073	70.06	ppb	97
64) 1-chlorohexane	12.73	91	898493	71.57	ppb	100
65) chlorobenzene	12.81	112	1523039	71.59	ppb	98
66) ethylbenzene	12.79	91	2633354	72.36	ppb	98
67) 1,1,1,2-tetrachloroethane	12.85	131	546982	69.69	ppb	98
68) m,p-xylene	12.90	106	1950758	144.58	ppb	98
69) o-xylene	13.24	106	974518	70.73	ppb	100
70) styrene	13.27	104	1745344	70.93	ppb	99
71) bromoform	13.34	173	360215	68.22	ppb	98
72) isopropylbenzene	13.46	105	2400709	70.00	ppb	99
75) 1,1,2,2-tetrachloroethane	13.80	83	634938	78.80	ppb	99
76) n-propylbenzene	13.76	91	3149424	78.00	ppb	97
77) trans-1,4-dichloro-2-buten	13.94	53	165761	81.34	ppb	98
78) 1,2,3-trichloropropane	13.94	110	175107	78.31	ppb	66
79) bromobenzene	13.81	156	570784	77.95	ppb	97
80) 1,3,5-trimethylbenzene	13.89	105	2001889	77.82	ppb	99
81) 2-chlorotoluene	13.93	126	589953	79.47	ppb	93
82) 4-chlorotoluene	14.05	126	573321	79.57	ppb	96
83) tert-butylbenzene	14.16	134	385587	78.67	ppb	93
84) 1,2,4-trimethylbenzene	14.20	105	1915569	78.36	ppb	99
85) sec-butylbenzene	14.29	105	2677535	76.51	ppb	98
86) p-isopropyltoluene	14.37	119	2103585	75.89	ppb	99
87) 1,3-dichlorobenzene	14.51	146	1012746	77.30	ppb	99
88) 1,4-dichlorobenzene	14.58	146	981274	76.62	ppb	100
89) n-butylbenzene	14.71	91	1994946	74.13	ppb	99
90) 1,2-dichlorobenzene	14.94	146	916435	77.49	ppb	99
91) hexachloroethane	14.93	201	272453	74.55	ppb	99
92) 1,2-dibromo-3-chloropropan	15.62	157	98368	76.37	ppb	96
93) 1,2,4-trichlorobenzene	16.26	180	516682	71.85	ppb	99
94) hexachlorobutadiene	16.17	225	292531	66.74	ppb	99
95) naphthalene	16.61	128	1143748	71.07	ppb	100
96) 1,2,3-trichlorobenzene	16.83	180	444006	71.91	ppb	100

(#) = qualifier out of range (m) = manual integration

B54930.D 020509S.M

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Data File : C:\HPCHEM\1\DATA\020509\B54932.D

Vial: 11

Acq On : 5 Feb 2009 16:09

Operator: SDW-SOP525r12

Sample : VOC_100ppb_ICAL

Inst : CSS Instr

Misc : 5mls htd water

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Results File: 020509S.RES

Quant Time: Feb 6 9:20 2009

Quant Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)

Title : GC/MS Volatiles (S.O.P. 525)

Last Update : Fri Feb 06 09:20:04 2009

Response via : Initial Calibration

DataAcq Meth : 020509S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	10.10	96	1302401	50.00	ppb	0.00
53) chlorobenzene-d5	12.79	117	901136	50.00	ppb	0.00
74) 1,4-dichlorobenzene-d4	14.57	152	358021	50.00	ppb	0.00

System Monitoring Compounds

34) dibromofluoromethane	9.27	113	393777	49.95	ppb	0.00
Spiked Amount 50.000	Range 79	- 120	Recovery	=	99.90%	
39) 1,2-dichloroethane-d4	9.84	65	324840	50.05	ppb	0.00
Spiked Amount 50.000	Range 62	- 139	Recovery	=	100.10%	
54) toluene-d8	11.50	100	816475	47.76	ppb	0.00
Spiked Amount 50.000	Range 83	- 120	Recovery	=	95.52%	
73) 4-bromofluorobenzene	13.71	174	287373	47.95	ppb	0.00
Spiked Amount 50.000	Range 74	- 123	Recovery	=	95.90%	

Target Compounds

						Qvalue
2) dichlorodifluoromethane	4.40	85	845331	102.07	ppb	99
3) chloromethane	4.75	50	1429473	103.13	ppb	99
4) vinyl chloride	4.91	62	1033761	101.92	ppb	98
5) bromomethane	5.46	96	462397	147.38	ppb	95
6) chloroethane	5.64	64	670504	105.01	ppb	99
7) trichlorofluoromethane	5.88	101	1012181	100.79	ppb	99
8) ethanol	6.35	45	177797	2000.61	ppb	97
9) acrolein	6.97	56	3141104	1024.38	ppb	100
10) 1,1,2-trichloro-1,2,2-trif	6.61	101	756375	102.07	ppb	98
11) 1,1-dichloroethene	6.59	96	704879	103.87	ppb	99
12) acetone	7.31	58	228140	427.40	ppb	99
13) iodomethane	6.81	142	1365964	101.83	ppb	99
14) carbon disulfide	6.71	76	2781286	102.73	ppb	99
15) allyl chloride	7.16	76	471541	105.97	ppb	93
16) acetonitrile	7.90	41	927300	1074.63	ppb	100
17) methylene chloride	7.29	84	882106	102.57	ppb	98
18) tert-butanol	7.57	59	397046	538.62	ppb	95
19) methyl-t-butyl-ether	7.56	73	3854353	206.44	ppb	100
20) trans-1,2-dichloroethene	7.48	96	820816	102.52	ppb	98
21) acrylonitrile	8.24	53	5448802	1013.25	ppb	99
22) isopropyl ether	7.96	45	3325515	103.52	ppb	100
23) vinyl acetate	8.40	43	1041505	102.93	ppb	99
24) 1,1-dichloroethane	8.21	63	1537931	102.15	ppb	99
25) chloroprene	8.17	53	1274093	109.85	ppb	98
26) 2-butanone	9.38	43	1356344	420.47	ppb	98
27) ethyl tert-butyl ether	8.39	59	2623671	103.63	ppb	99
28) 2,2-dichloropropane	8.96	77	1030635	102.58	ppb	97
29) cis-1,2-dichloroethene	8.81	96	899214	101.79	ppb	99
30) propionitrile	9.70	54	913134	1028.81	ppb	87
31) methacrylonitrile	9.73	41	1179261	104.05	ppb	94
32) bromochloromethane	9.04	128	427493	100.76	ppb	99
33) chloroform	9.06	83	1466139	101.61	ppb	98
35) 1,1,1-trichloroethane	9.36	97	1146318	104.44	ppb	99
36) carbon tetrachloride	9.30	117	1025523	105.46	ppb	99
37) 1,1-dichloropropene	9.46	75	1056827	102.73	ppb	99
38) isobutyl alcohol	9.75	43	1427278	2069.64	ppb	85
40) tert-amyl methyl ether	9.76	73	2107026	104.89	ppb	99
41) benzene	9.72	78	3160920	101.15	ppb	98
42) 1,2-dichloroethane	9.91	62	898544	101.29	ppb	100
43) trichloroethene	10.26	95	791997	100.99	ppb	98

(#) = qualifier out of range (m) = manual integration
 B54932.D 020509S.M Fri Feb 06 09:20:44 2009

SDW 2/6/09

Data File : C:\HPCHEM\1\DATA\020509\B54932.D

Vial: 11

Acq On : 5 Feb 2009 16:09

Operator: SDW-SOP525r12

Sample : VOC_100ppb_ICAL

Inst : CSS Instr

Misc : 5mls htd water

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Feb 6 9:20 2009

Quant Results File: 020509S.RES

Quant Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)

Title : GC/MS Volatiles (S.O.P. 525)

Last Update : Fri Feb 06 09:20:04 2009

Response via : Initial Calibration

DataAcq Meth : 020509S

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44) 1,2-dichloropropane	10.76	63	861092	101.14	ppb	100
45) methyl methacrylate	10.84	69	461777	104.47	ppb	97
46) 1,4-dioxane	10.94	88	119202	2080.67	ppb	98
47) dibromomethane	10.68	93	503366	103.27	ppb	96
48) bromodichloromethane	10.77	83	1112761	101.26	ppb	99
49) 2-chloroethyl vinyl ether	11.23	63	377923	100.29	ppb	98
50) 2-pentanone	10.94	43	39875	No Calib	#	
51) cis-1,3-dichloropropene	11.34	75	1303016	100.70	ppb	99
52) 4-methyl-2-pentanone	11.82	43	2944714	420.29	ppb	98
55) toluene	11.55	91	2875519	97.14	ppb	98
56) ethyl methacrylate	11.93	69	910450	99.03	ppb	98
57) trans-1,3-dichloropropene	11.87	75	1100609	97.85	ppb	97
58) 1,1,2-trichloroethane	12.01	83	534179	97.71	ppb	98
59) tetrachloroethene	11.90	164	508310	99.98	ppb	97
60) 2-hexanone	12.49	43	2017995	397.92	ppb	99
61) 1,3-dichloropropane	12.26	76	1050507	97.35	ppb	100
62) dibromochloromethane	12.18	129	742985	98.13	ppb	99
63) 1,2-dibromoethane	12.42	107	665216	97.65	ppb	98
64) 1-chlorohexane	12.73	91	1108196	99.53	ppb	96
65) chlorobenzene	12.81	112	1845638	97.81	ppb	94
66) ethylbenzene	12.79	91	3162805	97.98	ppb	99
67) 1,1,1,2-tetrachloroethane	12.84	131	675053	96.97	ppb	97
68) m,p-xylene	12.90	106	2349815	196.35	ppb	95
69) o-xylene	13.24	106	1200509	98.24	ppb	96
70) styrene	13.28	104	2142882	98.18	ppb	98
71) bromoform	13.33	173	459312	98.08	ppb	99
72) isopropylbenzene	13.46	105	2983597	98.08	ppb	98
75) 1,1,2,2-tetrachloroethane	13.81	83	800605	103.47	ppb	98
76) n-propylbenzene	13.77	91	3897701	100.52	ppb	97
77) trans-1,4-dichloro-2-buten	13.94	53	203558	104.02	ppb	92
78) 1,2,3-trichloropropane	13.94	110	215351	100.29	ppb	76
79) bromobenzene	13.82	156	711997	101.25	ppb	88
80) 1,3,5-trimethylbenzene	13.89	105	2491116	100.84	ppb	98
81) 2-chlorotoluene	13.93	126	725918	101.83	ppb	88
82) 4-chlorotoluene	14.05	126	697831	100.85	ppb	90
83) tert-butylbenzene	14.16	134	475022	100.92	ppb	91
84) 1,2,4-trimethylbenzene	14.20	105	2389803	101.81	ppb	98
85) sec-butylbenzene	14.29	105	3426166	101.95	ppb	98
86) p-isopropyltoluene	14.38	119	2715926	102.04	ppb	98
87) 1,3-dichlorobenzene	14.52	146	1259585	100.12	ppb	97
88) 1,4-dichlorobenzene	14.58	146	1265111	102.86	ppb	97
89) n-butylbenzene	14.71	91	2587015	100.11	ppb	99
90) 1,2-dichlorobenzene	14.93	146	1170894	103.10	ppb	96
91) hexachloroethane	14.93	201	359606	102.46	ppb	99
92) 1,2-dibromo-3-chloropropan	15.61	157	128099	103.56	ppb	92
93) 1,2,4-trichlorobenzene	16.25	180	695334	100.70	ppb	98
94) hexachlorobutadiene	16.17	225	425583	101.10	ppb	98
95) naphthalene	16.61	128	1556316	100.70	ppb	100
96) 1,2,3-trichlorobenzene	16.83	180	604810	102.00	ppb	99

(#) = qualifier out of range (m) = manual integration

B54932.D 020509S.M Fri Feb 06 09:20:44 2009

Data File : C:\HPCHEM\1\DATA\020509\B54934.D

Vial: 13

Acq On : 5 Feb 2009 16:56

Operator: SDW-SOP525r12

Sample : VOC_150ppb_ICAL

Inst : CSS Instr

Misc : 5mls htd water

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Results File: 020509S.RES

Quant Time: Feb 6 9:20 2009

Quant Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)

Title : GC/MS Volatiles (S.O.P. 525)

Last Update : Fri Feb 06 09:20:04 2009

Response via : Initial Calibration

DataAcq Meth : 020509S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	10.10	96	1366189	50.00	ppb	0.00
53) chlorobenzene-d5	12.80	117	902159	50.00	ppb	0.00
74) 1,4-dichlorobenzene-d4	14.57	152	369992	50.00	ppb	0.00

System Monitoring Compounds

34) dibromofluoromethane	9.26	113	413499	50.00	ppb	0.00
Spiked Amount 50.000	Range 79	- 120	Recovery	=	100.00%	
39) 1,2-dichloroethane-d4	9.84	65	340438	50.00	ppb	0.00
Spiked Amount 50.000	Range 62	- 139	Recovery	=	100.00%	
54) toluene-d8	11.51	100	855654	50.00	ppb	0.00
Spiked Amount 50.000	Range 83	- 120	Recovery	=	100.00%	
73) 4-bromofluorobenzene	13.70	174	300022	50.00	ppb	0.00
Spiked Amount 50.000	Range 74	- 123	Recovery	=	100.00%	

Target Compounds

						Qvalue
2) dichlorodifluoromethane	4.41	85	1303118	150.00	ppb	100
3) chloromethane	4.75	50	2180925	150.00	ppb	100
4) vinyl chloride	4.92	62	1595948	150.00	ppb	100
5) bromomethane	5.44	96	493663	150.00	ppb	100
6) chloroethane	5.65	64	1004698	150.00	ppb	100
7) trichlorofluoromethane	5.87	101	1580075	150.00	ppb	100
8) ethanol	6.36	45	279672	3000.00	ppb	100
9) acrolein	6.98	56	4824809	1500.00	ppb	100
10) 1,1,2-trichloro-1,2,2-trif	6.60	101	1166010	150.00	ppb	100
11) 1,1-dichloroethene	6.59	96	1067756	150.00	ppb	100
12) acetone	7.31	58	335960	600.00	ppb	100
13) iodomethane	6.82	142	2110697	150.00	ppb	100
14) carbon disulfide	6.70	76	4260146	150.00	ppb	100
15) allyl chloride	7.15	76	700170	150.00	ppb	100
16) acetonitrile	7.89	41	1357744	1500.00	ppb	100
17) methylene chloride	7.29	84	1353195	150.00	ppb	100
18) tert-butanol	7.57	59	579946	750.00	ppb	100
19) methyl-t-butyl-ether	7.57	73	5875425	300.00	ppb	100
20) trans-1,2-dichloroethene	7.48	96	1259746	150.00	ppb	100
21) acrylonitrile	8.25	53	8461361	1500.00	ppb	100
22) isopropyl ether	7.96	45	5054464	150.00	ppb	100
23) vinyl acetate	8.40	43	1592107	150.00	ppb	100
24) 1,1-dichloroethane	8.21	63	2368937	150.00	ppb	100
25) chloroprene	8.18	53	1825043	150.00	ppb	100
26) 2-butanone	9.37	43	2030281	600.00	ppb	100
27) ethyl tert-butyl ether	8.39	59	3983537	150.00	ppb	100
28) 2,2-dichloropropane	8.96	77	1580834	150.00	ppb	100
29) cis-1,2-dichloroethene	8.81	96	1390027	150.00	ppb	100
30) propionitrile	9.71	54	1396549	1500.00	ppb	100
31) methacrylonitrile	9.73	41	1783334	150.00	ppb	100
32) bromochloromethane	9.04	128	667580	150.00	ppb	100
33) chloroform	9.07	83	2270297	150.00	ppb	100
35) 1,1,1-trichloroethane	9.36	97	1726963	150.00	ppb	100
36) carbon tetrachloride	9.29	117	1530081	150.00	ppb	100
37) 1,1-dichloropropene	9.47	75	1618668	150.00	ppb	100
38) isobutyl alcohol	9.74	43	2170206	3000.00	ppb	100
40) tert-amyl methyl ether	9.75	73	3160921	150.00	ppb	100
41) benzene	9.73	78	4916841	150.00	ppb	100
42) 1,2-dichloroethane	9.90	62	1395755	150.00	ppb	100
43) trichloroethene	10.27	95	1233903	150.00	ppb	100

(#) = qualifier out of range (m) = manual integration

B54934.D 020509S.M

Fri Feb 06 09:20:46 2009

mm
2/6/09

Page 1

Data File : C:\HPCHEM\1\DATA\020509\B54934.D

Vial: 13

Acq On : 5 Feb 2009 16:56

Operator: SDW-SOP525r12

Sample : VOC_150ppb_ICAL

Inst : CSS Instr

Misc : 5mls htd water

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Feb 6 9:20 2009

Quant Results File: 020509S.RES

Quant Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)

Title : GC/MS Volatiles (S.O.P. 525)

Last Update : Fri Feb 06 09:20:04 2009

Response via : Initial Calibration

DataAcq Meth : 020509S

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44) 1,2-dichloropropane	10.76	63	1339678	150.00	ppb	100
45) methyl methacrylate	10.84	69	695477	150.00	ppb	100
46) 1,4-dioxane	10.95	88	180288	3000.00	ppb	100
47) dibromomethane	10.67	93	766978	150.00	ppb	100
48) bromodichloromethane	10.78	83	1729177	150.00	ppb	100
49) 2-chloroethyl vinyl ether	11.22	63	592946	150.00	ppb	100
50) 2-pentanone	10.94	43	64144	No Calib		
51) cis-1,3-dichloropropene	11.33	75	2035978	150.00	ppb	100
52) 4-methyl-2-pentanone	11.81	43	4409742	600.00	ppb	100
55) toluene	11.56	91	4445203	150.00	ppb	100
56) ethyl methacrylate	11.93	69	1380642	150.00	ppb	100
57) trans-1,3-dichloropropene	11.86	75	1689183	150.00	ppb	100
58) 1,1,2-trichloroethane	12.01	83	820946	150.00	ppb	100
59) tetrachloroethene	11.90	164	763497	150.00	ppb	100
60) 2-hexanone	12.48	43	3046280	600.00	ppb	100
61) 1,3-dichloropropane	12.26	76	1620470	150.00	ppb	100
62) dibromochloromethane	12.19	129	1137041	150.00	ppb	100
63) 1,2-dibromoethane	12.42	107	1023035	150.00	ppb	100
64) 1-chlorohexane	12.73	91	1672103	150.00	ppb	100
65) chlorobenzene	12.81	112	2833697	150.00	ppb	100
66) ethylbenzene	12.80	91	4847284	150.00	ppb	100
67) 1,1,1,2-tetrachloroethane	12.85	131	1045414	150.00	ppb	100
68) m,p-xylene	12.90	106	3594279	300.00	ppb	100
69) o-xylene	13.24	106	1835068	150.00	ppb	100
70) styrene	13.27	104	3277517	150.00	ppb	100
71) bromoform	13.34	173	703282	150.00	ppb	100
72) isopropylbenzene	13.46	105	4568333	150.00	ppb	100
75) 1,1,2,2-tetrachloroethane	13.80	83	1199392	150.00	ppb	100
76) n-propylbenzene	13.77	91	6010632	150.00	ppb	100
77) trans-1,4-dichloro-2-buten	13.94	53	303355	150.00	ppb	100
78) 1,2,3-trichloropropane	13.95	110	332849	150.00	ppb	100
79) bromobenzene	13.81	156	1090054	150.00	ppb	100
80) 1,3,5-trimethylbenzene	13.89	105	3829384	150.00	ppb	100
81) 2-chlorotoluene	13.93	126	1105051	150.00	ppb	100
82) 4-chlorotoluene	14.05	126	1072595	150.00	ppb	100
83) tert-butylbenzene	14.16	134	729646	150.00	ppb	100
84) 1,2,4-trimethylbenzene	14.20	105	3638759	150.00	ppb	100
85) sec-butylbenzene	14.29	105	5209381	150.00	ppb	100
86) p-isopropyltoluene	14.37	119	4125978	150.00	ppb	100
87) 1,3-dichlorobenzene	14.51	146	1950244	150.00	ppb	100
88) 1,4-dichlorobenzene	14.58	146	1906500	150.00	ppb	100
89) n-butylbenzene	14.71	91	4005892	150.00	ppb	100
90) 1,2-dichlorobenzene	14.93	146	1760429	150.00	ppb	100
91) hexachloroethane	14.92	201	544060	150.00	ppb	100
92) 1,2-dibromo-3-chloropropan	15.61	157	191743	150.00	ppb	100
93) 1,2,4-trichlorobenzene	16.25	180	1070419	150.00	ppb	100
94) hexachlorobutadiene	16.17	225	652511	150.00	ppb	100
95) naphthalene	16.62	128	2395775	150.00	ppb	100
96) 1,2,3-trichlorobenzene	16.83	180	919139	150.00	ppb	100

(#) = qualifier out of range (m) = manual integration

B54934.D 020509S.M

Fri Feb 06 09:20:47 2009

Page 2

Data File : C:\HPCHEM\1\DATA\020509\B54937.D

Vial: 16

Acq On : 5 Feb 2009 18:03

Operator: SDW-SOP525r12

Sample : VL090205-2ICV

Inst : CSS Instr

Misc : 5mls htd water

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Feb 6 10:10 2009

Quant Results File: 020509S.RES

Quant Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)

Title : GC/MS Volatiles (S.O.P. 525)

Last Update : Fri Feb 06 10:08:58 2009

Response via : Initial Calibration

DataAcq Meth : 020509S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	10.12	96	1454485	50.00	ppb	0.02
53) chlorobenzene-d5	12.82	117	974823	50.00	ppb	0.02
74) 1,4-dichlorobenzene-d4	14.58	152	380673	50.00	ppb	0.01

System Monitoring Compounds

34) dibromofluoromethane	9.27	113	441195	50.15	ppb	0.01
Spiked Amount 50.000	Range 79	- 120	Recovery	=	100.30%	
39) 1,2-dichloroethane-d4	9.85	65	367137	49.66	ppb	0.01
Spiked Amount 50.000	Range 62	- 139	Recovery	=	99.32%	
54) toluene-d8	11.52	100	919271	52.24	ppb	0.01
Spiked Amount 50.000	Range 83	- 120	Recovery	=	104.48%	
73) 4-bromofluorobenzene	13.72	174	318568	52.16	ppb	0.02
Spiked Amount 50.000	Range 74	- 123	Recovery	=	104.32%	

Target Compounds

						Qvalue
2) dichlorodifluoromethane	4.41	85	451347	51.12	ppb	99
3) chloromethane	4.74	50	786865	47.62	ppb	100
4) vinyl chloride	4.92	62	595553	49.45	ppb	99
5) bromomethane	5.47	96	314655	49.64	ppb	98
6) chloroethane	5.65	64	409385	53.06	ppb	99
7) trichlorofluoromethane	5.89	101	581489	50.85	ppb	99
8) ethanol	6.35	45	108379	1028.56	ppb	97
9) acrolein	6.98	56	1866750	511.72	ppb	100
10) 1,1,2-trichloro-1,2,2-trif	6.61	101	434384	50.42	ppb	99
11) 1,1-dichloroethene	6.59	96	397830	48.72	ppb	98
12) acetone	7.32	58	139032	221.82	ppb	96
13) iodomethane	6.82	142	764033	51.34	ppb	98
14) carbon disulfide	6.70	76	1532525	50.13	ppb	99
15) allyl chloride	7.17	76	268166	49.84	ppb	99
16) acetonitrile	7.90	41	512299	511.46	ppb	99
17) methylene chloride	7.29	84	561452	56.57	ppb	98
18) tert-butanol	7.58	59	241619	243.84	ppb	84
19) methyl-t-butyl-ether	7.57	73	2151610	99.92	ppb	100
20) trans-1,2-dichloroethene	7.49	96	460959	48.14	ppb	99
21) acrylonitrile	8.26	53	3249410	508.88	ppb	99
22) isopropyl ether	7.97	45	1864026	50.05	ppb	99
23) vinyl acetate	8.41	43	594996	48.49	ppb	99
24) 1,1-dichloroethane	8.22	63	871152	50.51	ppb	99
25) chloroprene	8.19	53	704065	48.03	ppb	100
26) 2-butanone	9.38	43	833658	215.08	ppb	99
27) ethyl tert-butyl ether	8.40	59	1449934	48.65	ppb	99
28) 2,2-dichloropropane	8.97	77	595099	49.65	ppb	99
29) cis-1,2-dichloroethene	8.82	96	498101	48.42	ppb	98
30) propionitrile	9.72	54	544498	516.05	ppb	92
31) methacrylonitrile	9.74	41	698619	50.14	ppb	99
32) bromochloromethane	9.05	128	244539	50.39	ppb	98
33) chloroform	9.08	83	834953	50.46	ppb	100
35) 1,1,1-trichloroethane	9.37	97	645202	49.83	ppb	99
36) carbon tetrachloride	9.30	117	566777	49.58	ppb	99
37) 1,1-dichloropropene	9.48	75	619424	51.06	ppb	100
38) isobutyl alcohol	9.75	43	849375	1022.49	ppb	# 60
40) tert-amyl methyl ether	9.77	73	1154526	48.86	ppb	99
41) benzene	9.74	78	1799217	50.10	ppb	99
42) 1,2-dichloroethane	9.92	62	513488	50.30	ppb	99
43) trichloroethene	10.28	95	461758	49.73	ppb	99

(#) = qualifier out of range (m) = manual integration

B54937.D 020509S.M

Fri Feb 06 10:10:42 2009

SW 2/6/09

Page 1

Data File : C:\HPCHEM\1\DATA\020509\B54937.D
 Acq On : 5 Feb 2009 18:03
 Sample : VL090205-2ICV
 Misc : 5mls htd water
 MS Integration Params: rteint.p
 Quant Time: Feb 6 10:10 2009

Vial: 16
 Operator: SDW-SOP525r12
 Inst : CSS Instr
 Multiplr: 1.00

Quant Results File: 020509S.RES

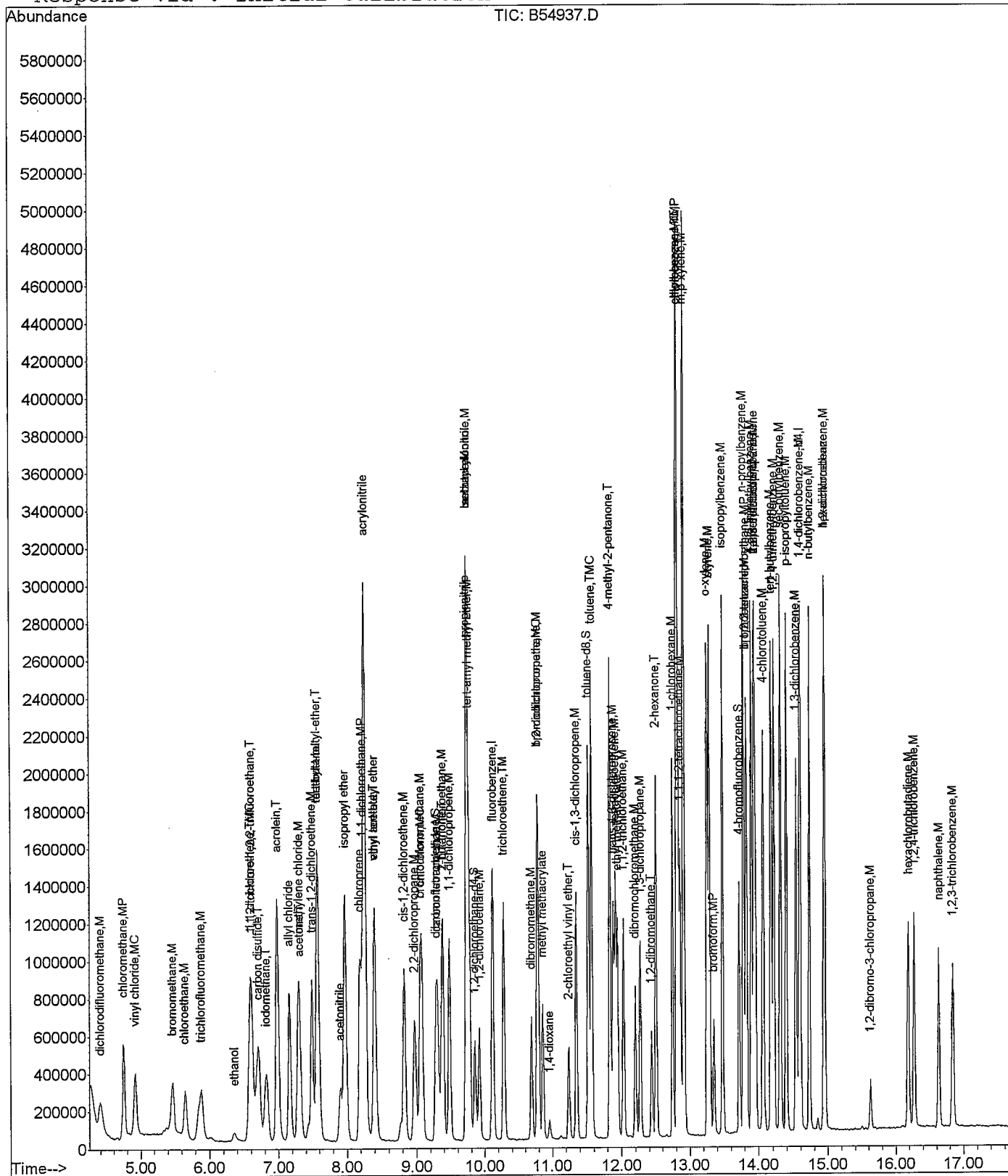
Quant Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)
 Title : GC/MS Volatiles (S.O.P. 525)
 Last Update : Fri Feb 06 10:08:58 2009
 Response via : Initial Calibration
 DataAcq Meth : 020509S

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44) 1,2-dichloropropane	10.78	63	505623	51.65	ppb	100
45) methyl methacrylate	10.86	69	263712	49.02	ppb	98
46) 1,4-dioxane	10.96	88	74043	1109.25	ppb	96
47) dibromomethane	10.69	93	290310	51.15	ppb	94
48) bromodichloromethane	10.79	83	640070	50.63	ppb	99
49) 2-chloroethyl vinyl ether	11.24	63	220386	52.69	ppb	98
50) 2-pentanone	10.96	43	27511	No Calib	#	
51) cis-1,3-dichloropropene	11.35	75	762533	50.81	ppb	99
52) 4-methyl-2-pentanone	11.83	43	1792874	210.63	ppb	98
55) toluene	11.57	91	1650681	51.51	ppb	98
56) ethyl methacrylate	11.94	69	528277	51.63	ppb	97
57) trans-1,3-dichloropropene	11.88	75	644383	53.46	ppb	95
58) 1,1,2-trichloroethane	12.03	83	309780	52.46	ppb	97
59) tetrachloroethene	11.91	164	293400	52.33	ppb	98
60) 2-hexanone	12.50	43	1232520	218.41	ppb	97
61) 1,3-dichloropropane	12.28	76	616507	53.23	ppb	98
62) dibromochloromethane	12.20	129	428481	53.43	ppb	99
63) 1,2-dibromoethane	12.43	107	385460	52.81	ppb	98
64) 1-chlorohexane	12.75	91	646301	52.55	ppb	96
65) chlorobenzene	12.83	112	1066475	52.16	ppb	93
66) ethylbenzene	12.81	91	1817275	51.91	ppb	99
67) 1,1,1,2-tetrachloroethane	12.86	131	391357	52.16	ppb	97
68) m,p-xylene	12.92	106	1376250	105.14	ppb	94
69) o-xylene	13.26	106	687335	52.47	ppb	95
70) styrene	13.29	104	1241070	52.69	ppb	98
71) bromoform	13.35	173	268197	55.19	ppb	99
72) isopropylbenzene	13.48	105	1720515	52.71	ppb	98
75) 1,1,2,2-tetrachloroethane	13.82	83	479109	53.56	ppb	99
76) n-propylbenzene	13.78	91	2260312	52.76	ppb	98
77) trans-1,4-dichloro-2-buten	13.96	53	122782	54.20	ppb	82
78) 1,2,3-trichloropropane	13.96	110	130457	52.49	ppb	78
79) bromobenzene	13.83	156	417432	53.96	ppb	92
80) 1,3,5-trimethylbenzene	13.90	105	1439836	53.29	ppb	97
81) 2-chlorotoluene	13.94	126	422912	53.42	ppb	91
82) 4-chlorotoluene	14.07	126	408073	52.75	ppb	90
83) tert-butylbenzene	14.18	134	278343	52.66	ppb	92
84) 1,2,4-trimethylbenzene	14.22	105	1377990	53.70	ppb	98
85) sec-butylbenzene	14.31	105	1952926	53.09	ppb	98
86) p-isopropyltoluene	14.39	119	1555514	54.28	ppb	98
87) 1,3-dichlorobenzene	14.53	146	735859	53.46	ppb	97
88) 1,4-dichlorobenzene	14.59	146	721362	53.47	ppb	95
89) n-butylbenzene	14.73	91	1494204	54.55	ppb	98
90) 1,2-dichlorobenzene	14.96	146	669012	53.98	ppb	98
91) hexachloroethane	14.95	201	199960	51.64	ppb	99
92) 1,2-dibromo-3-chloropropan	15.63	157	72482	52.46	ppb	90
93) 1,2,4-trichlorobenzene	16.27	180	387210	55.27	ppb	99
94) hexachlorobutadiene	16.19	225	232266	55.84	ppb	98
95) naphthalene	16.63	128	864177	54.46	ppb	100
96) 1,2,3-trichlorobenzene	16.85	180	327527	54.54	ppb	99

Data File : C:\HPCHEM\1\DATA\020509\B54937.D
Acq On : 5 Feb 2009 18:03
Sample : VL090205-2ICV
Misc : 5mls htd water
MS Integration Params: rteint.p
Quant Time: Feb 6 10:10 2009 Q

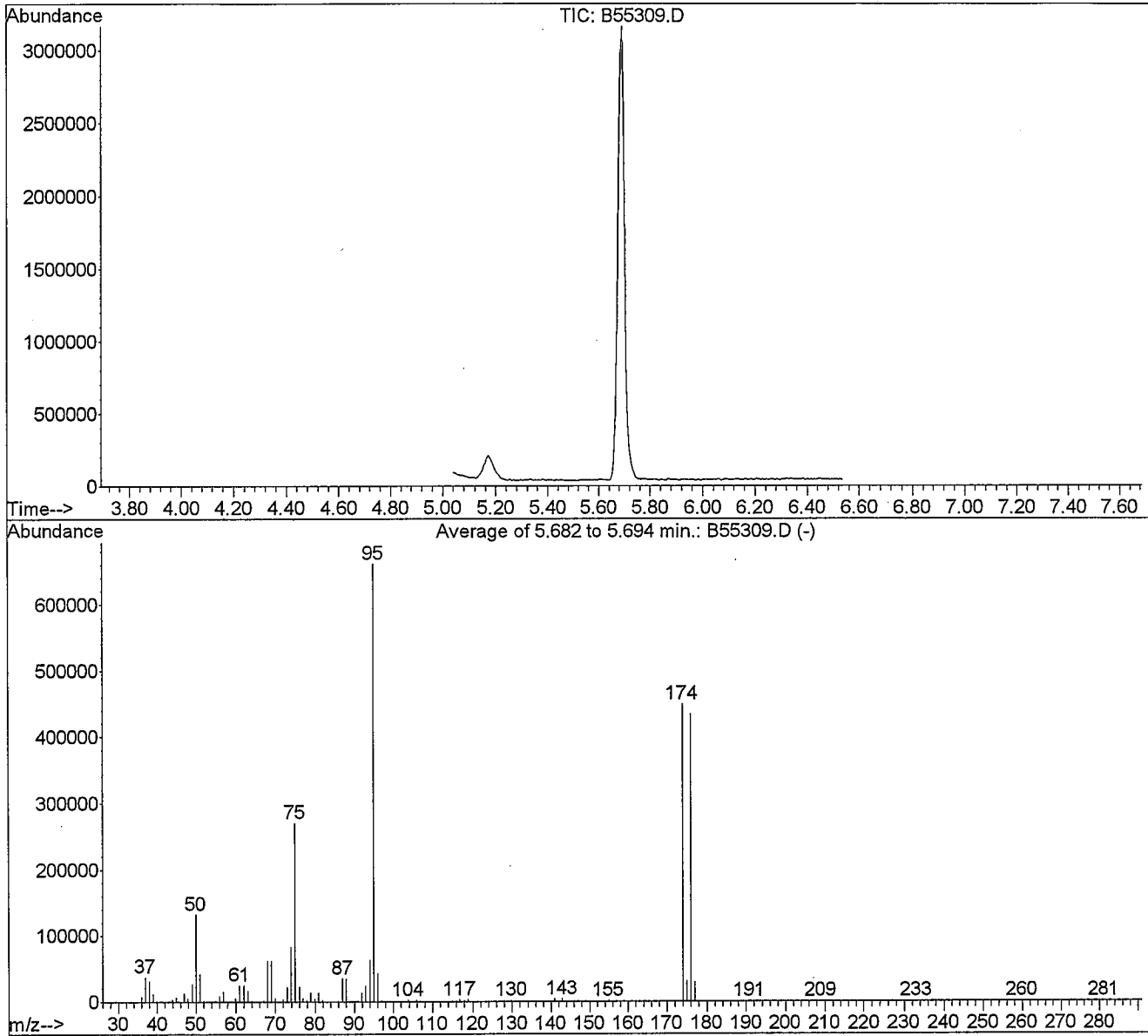
Quant Results File: 020509S.RES

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Method       : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)
Title        : GC/MS Volatiles (S.O.P. 525)
Last Update   : Fri Feb 06 10:08:58 2009
Response via  : Initial Calibration
```



Data File : C:\HPCHEM\1\DATA\021909\B55309.D
 Acq On : 19 Feb 2009 7:34
 Sample : BFB-TUNE1
 Misc : 50ng 4-BFB (1uL direct injection)
 MS Integration Params: rteint.p
 Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)
 Title : GC/MS Volatiles (S.O.P. 525)

Vial: 100
 Operator: TWK-SOP525r12
 Inst : CSS Instr
 Multiplr: 1.00



AutoFind: Scans 108, 109, 110; Background Corrected with Scan 99

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.0	132133	PASS
75	95	30	60	40.8	270029	PASS
95	95	100	100	100.0	661163	PASS
96	95	5	9	6.5	43057	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	67.9	448875	PASS
175	174	5	9	6.8	30349	PASS
176	174	95	101	96.7	434261	PASS
177	176	5	9	6.6	28773	PASS

Data File : C:\HPCHEM\1\DATA\021909\B55311.D

Vial: 8

Acq On : 19 Feb 2009 8:14

Operator: TWK-SOP525r12

Sample : VL090219-2CCS

Inst : CSS Instr

Misc : 5mL heated water CCV/LCS

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Feb 19 9:04 2009

Quant Results File: 020509S.RES

Quant Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)

Title : GC/MS Volatiles (S.O.P. 525)

Last Update : Tue Feb 17 05:29:18 2009

Response via : Initial Calibration

DataAcq Meth : 020509S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	10.09	96	1684809	50.00	ppb	-0.03
53) chlorobenzene-d5	12.79	117	1214409	50.00	ppb	-0.02
74) 1,4-dichlorobenzene-d4	14.55	152	466861	50.00	ppb	-0.03

System Monitoring Compounds

34) dibromofluoromethane	9.25	113	438805	43.06	ppb	-0.03
Spiked Amount	50.000	Range	79 - 120	Recovery	=	86.12%
39) 1,2-dichloroethane-d4	9.82	65	349236	40.78	ppb	-0.03
Spiked Amount	50.000	Range	62 - 139	Recovery	=	81.56%
54) toluene-d8	11.50	100	977006	44.57	ppb	-0.02
Spiked Amount	50.000	Range	83 - 120	Recovery	=	89.14%
73) 4-bromofluorobenzene	13.69	174	393679	51.74	ppb	-0.02
Spiked Amount	50.000	Range	74 - 123	Recovery	=	103.48%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) dichlorodifluoromethane	4.39	85	601196	58.78	ppb	100
3) chloromethane	4.73	50	953887	49.84	ppb	99
4) vinyl chloride	4.90	62	740693	53.09	ppb	97
5) bromomethane	5.45	96	360452	48.94	ppb	100
6) chloroethane	5.64	64	416309	46.59	ppb	99
7) trichlorofluoromethane	5.87	101	602333	45.47	ppb	97
8) ethanol	6.34	45	154601	1266.65	ppb	97
9) acrolein	6.96	56	2152356	509.35	ppb	100
10) 1,1,2-trichloro-1,2,2-trif	6.59	101	454653	45.56	ppb	96
11) 1,1-dichloroethene	6.56	96	440223	46.54	ppb	98
12) acetone	7.29	58	162777	224.35	ppb	93
13) iodomethane	6.80	142	799655	46.38	ppb	98
14) carbon disulfide	6.67	76	1796004	50.72	ppb	99
15) allyl chloride	7.14	76	321940	51.65	ppb	93
16) acetonitrile	7.87	41	663899	572.20	ppb	98
17) methylene chloride	7.27	84	514679	44.05	ppb	99
18) tert-butanol	7.56	59	278749	242.73	ppb	92
19) methyl-t-butyl-ether	7.55	73	2329884	93.41	ppb	100
20) trans-1,2-dichloroethene	7.47	96	526359	47.46	ppb	95
21) acrylonitrile	8.23	53	3834370	518.40	ppb	98
22) isopropyl ether	7.94	45	2285862	52.98	ppb	100
23) vinyl acetate	8.39	43	831247	58.48	ppb	100
24) 1,1-dichloroethane	8.20	63	1001899	50.15	ppb	99
25) chloroprene	8.16	53	898291	52.90	ppb	99
26) 2-butanone	9.36	43	1049517	233.76	ppb	99
27) ethyl tert-butyl ether	8.38	59	1686015	48.84	ppb	100
28) 2,2-dichloropropane	8.95	77	651538	46.93	ppb	99
29) cis-1,2-dichloroethene	8.80	96	569526	47.79	ppb	98
30) propionitrile	9.69	54	740839	606.14	ppb	95
31) methacrylonitrile	9.72	41	981989	60.85	ppb	99
32) bromochloromethane	9.03	128	263599	46.89	ppb	99
33) chloroform	9.06	83	907715	47.35	ppb	99
35) 1,1,1-trichloroethane	9.34	97	682436	45.50	ppb	100
36) carbon tetrachloride	9.28	117	576929	43.57	ppb	99
37) 1,1-dichloropropene	9.45	75	707484	50.35	ppb	99
38) isobutyl alcohol	9.72	43	1130205	1174.56	ppb	99
40) tert-amyl methyl ether	9.75	73	1324117	48.38	ppb	100
41) benzene	9.71	78	2074275	49.86	ppb	99
42) 1,2-dichloroethane	9.89	62	542046	45.84	ppb	98
43) trichloroethene	10.25	95	514646	47.85	ppb	97

(#)=qualifier out of range (m)=manual integration

B55311.D 020509S.M

Thu Feb 19 10:33:42 2009

4m
2/20/09

Page 1

Data File : C:\HPCHEM\1\DATA\021909\B55311.D

Vial: 8

Acq On : 19 Feb 2009 8:14

Operator: TWK-SOP525r12

Sample : VL090219-2CCS

Inst : CSS Instr

Misc : 5mL heated water CCV/LCS

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Feb 19 9:04 2009

Quant Results File: 020509S.RES

Quant Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)

Title : GC/MS Volatiles (S.O.P. 525)

Last Update : Tue Feb 17 05:29:18 2009

Response via : Initial Calibration

DataAcq Meth : 020509S

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44) 1,2-dichloropropane	10.75	63	582664	51.38	ppb	99
45) methyl methacrylate	10.83	69	341517	54.80	ppb	95
46) 1,4-dioxane	10.93	88	102635	1327.40	ppb	92
47) dibromomethane	10.66	93	320391	48.74	ppb	96
48) bromodichloromethane	10.76	83	680353	46.46	ppb	100
49) 2-chloroethyl vinyl ether	11.21	63	281327	58.07	ppb	100
51) cis-1,3-dichloropropene	11.32	75	856793	49.28	ppb	97
52) 4-methyl-2-pentanone	11.80	43	2216143	224.77	ppb	98
55) toluene	11.54	91	1884817	47.21	ppb	99
56) ethyl methacrylate	11.92	69	661357	51.89	ppb	99
57) trans-1,3-dichloropropene	11.85	75	710080	47.29	ppb	94
58) 1,1,2-trichloroethane	12.00	83	355370	48.31	ppb	100
59) tetrachloroethene	11.89	164	331172	47.41	ppb	96
60) 2-hexanone	12.47	43	1570168	223.35	ppb	99
61) 1,3-dichloropropane	12.25	76	698789	48.43	ppb	100
62) dibromochloromethane	12.18	129	447074	44.75	ppb	97
63) 1,2-dibromoethane	12.40	107	427271	46.99	ppb	100
64) 1-chlorohexane	12.72	91	818330	53.41	ppb	99
65) chlorobenzene	12.80	112	1187740	46.63	ppb	92
66) ethylbenzene	12.78	91	2070756	47.48	ppb	99
67) 1,1,1,2-tetrachloroethane	12.84	131	399886	42.78	ppb	99
68) m,p-xylene	12.89	106	1553981	95.30	ppb	99
69) o-xylene	13.23	106	760257	46.59	ppb	97
70) styrene	13.26	104	1354180	46.15	ppb	99
71) bromoform	13.33	173	284218	46.95	ppb	100
72) isopropylbenzene	13.45	105	1886511	46.39	ppb	100
75) 1,1,2,2-tetrachloroethane	13.79	83	531363	48.44	ppb	98
76) n-propylbenzene	13.75	91	2547824	48.49	ppb	95
77) trans-1,4-dichloro-2-buten	13.93	53	134962	48.57	ppb	97
78) 1,2,3-trichloropropane	13.93	110	139088	45.64	ppb	70
79) bromobenzene	13.80	156	451837	47.62	ppb	88
80) 1,3,5-trimethylbenzene	13.88	105	1562708	47.16	ppb	100
81) 2-chlorotoluene	13.92	126	455242	46.89	ppb	97
82) 4-chlorotoluene	14.04	126	445435	46.95	ppb	97
83) tert-butylbenzene	14.15	134	301751	46.55	ppb	96
84) 1,2,4-trimethylbenzene	14.19	105	1486310	47.23	ppb	99
85) sec-butylbenzene	14.28	105	2162511	47.93	ppb	96
86) p-isopropyltoluene	14.36	119	1665216	47.38	ppb	99
87) 1,3-dichlorobenzene	14.50	146	803278	47.59	ppb	96
88) 1,4-dichlorobenzene	14.57	146	801771	48.46	ppb	99
89) n-butylbenzene	14.70	91	1710504	50.92	ppb	100
90) 1,2-dichlorobenzene	14.93	146	724287	47.65	ppb	98
91) hexachloroethane	14.92	201	243529	51.28	ppb	98
92) 1,2-dibromo-3-chloropropan	15.61	157	80558	47.54	ppb	96
93) 1,2,4-trichlorobenzene	16.25	180	433129	50.41	ppb	96
94) hexachlorobutadiene	16.16	225	242841	47.61	ppb	98
95) naphthalene	16.60	128	982047	50.46	ppb	100
96) 1,2,3-trichlorobenzene	16.82	180	379887	51.58	ppb	98

(#) = qualifier out of range (m) = manual integration

B55311.D 020509S.M Thu Feb 19 10:33:42 2009

Page 2

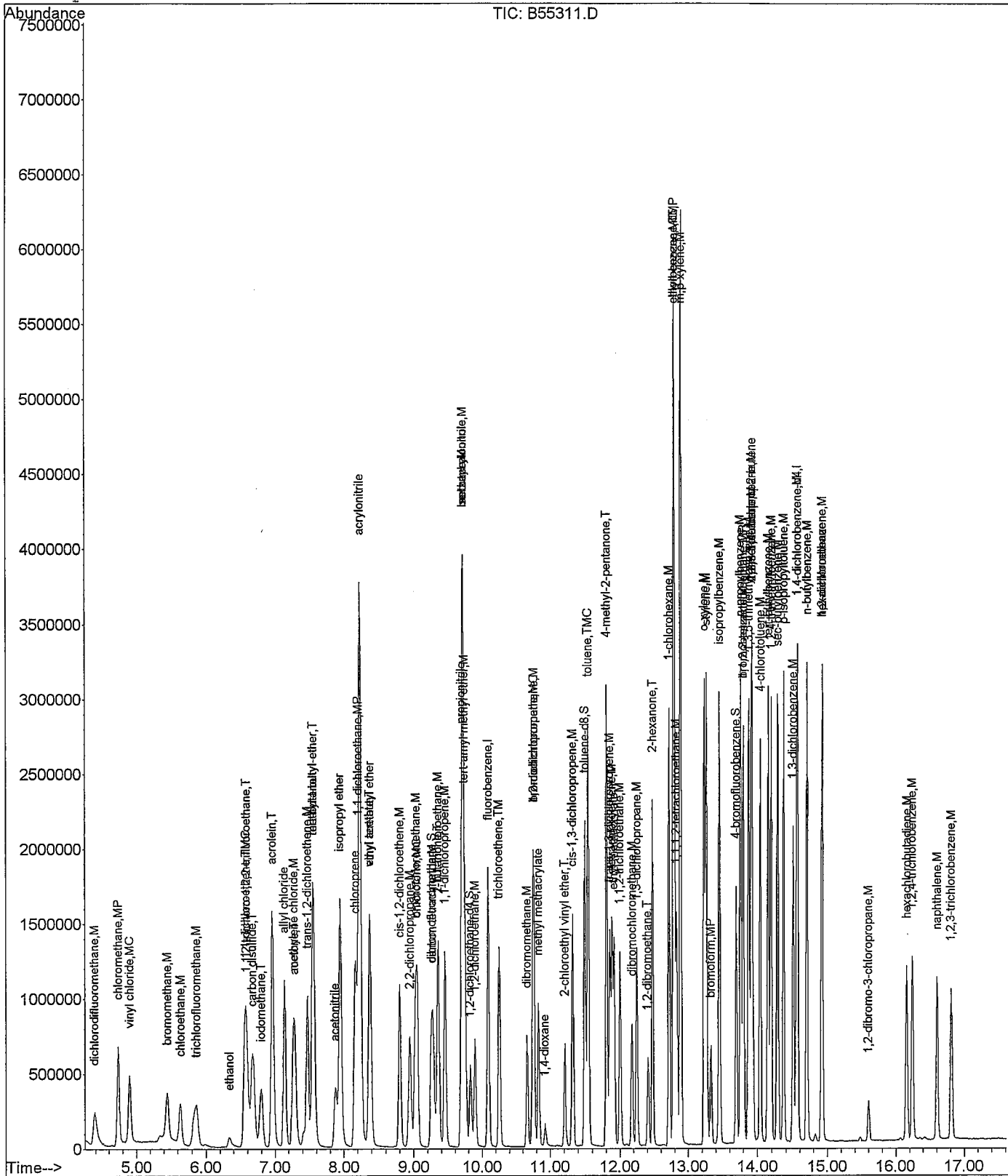
Quantitation Report

Data File : C:\HPCHEM\1\DATA\021909\B55311.D
Acq On : 19 Feb 2009 8:14
Sample : VL090219-2CCS
Misc : 5mL heated water CCV/LCS
MS Integration Params: rteint.p
Quant Time: Feb 19 9:04 2009 Q

Vial: 8
Operator: TWK-SOP525r12
Inst : CSS Instr
Multiplr: 1.00

Quant Results File: 020509S.RES

```
Method       : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)
Title        : GC/MS Volatiles (S.O.P. 525)
Last Update   : Tue Feb 17 05:29:18 2009
Response via  : Initial Calibration
```



Sample Raw Data

Data File : C:\HPCHEM\1\DATA\021909\B55313.D

Vial: 10

Acq On : 19 Feb 2009 8:59

Operator: TWK-SOP525r12

Sample : VL090219-2MB

Inst : CSS Instr

Misc : 5mL heated water

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Feb 19 10:34 2009

Quant Results File: 020509S.RES

Quant Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)

Title : GC/MS Volatiles (S.O.P. 525)

Last Update : Thu Feb 19 10:34:33 2009

Response via : Initial Calibration

DataAcq Meth : 020509S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	10.09	96	998782	50.00	ppb	0.00
53) chlorobenzene-d5	12.79	117	693305	50.00	ppb	0.00
74) 1,4-dichlorobenzene-d4	14.56	152	269318	50.00	ppb	0.00

System Monitoring Compounds

34) dibromofluoromethane	9.25	113	263082	43.55	ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery =	87.10%		
39) 1,2-dichloroethane-d4	9.82	65	218783	43.10	ppb	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery =	86.20%		
54) toluene-d8	11.50	100	567391	45.34	ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery =	90.68%		
73) 4-bromofluorobenzene	13.69	174	225147	51.84	ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	103.68%		

Target Compounds

12) acetone	7.30	58	1734	Below Cal	Qvalue #	40
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ALL = mPL

gmw 2/20/09

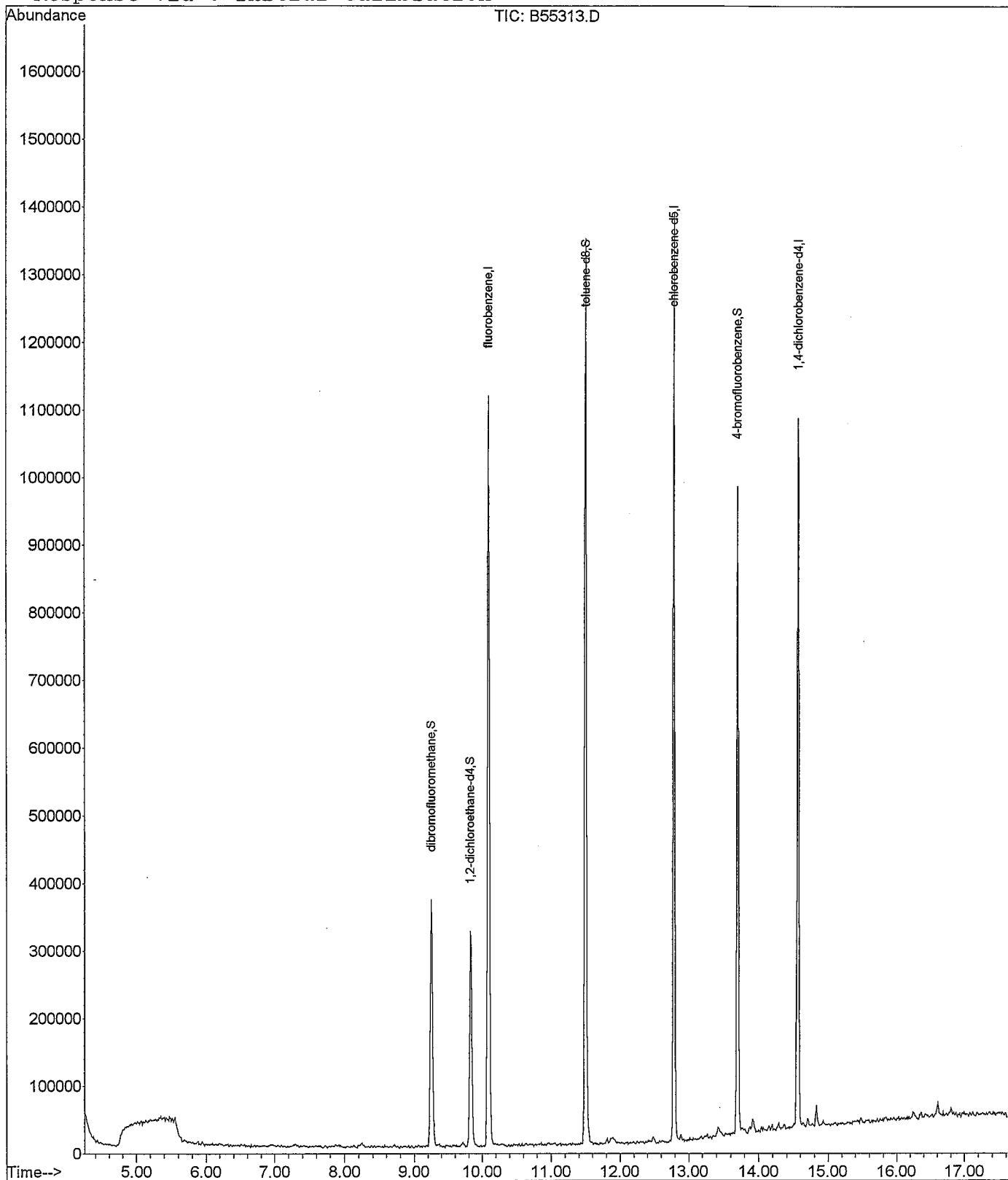
Quantitation Report

Data File : C:\HPCHEM\1\DATA\021909\B55313.D
 Acq On : 19 Feb 2009 8:59
 Sample : VI090219-2MB
 Misc : 5mL heated water
 MS Integration Params: rteint.p
 Quant Time: Feb 19 10:34 2009

Vial: 10
 Operator: TWK-SOP525r12
 Inst : CSS Instr
 Multiplr: 1.00

Quant Results File: 020509S.RES

Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)
 Title : GC/MS Volatiles (S.O.P. 525)
 Last Update : Thu Feb 19 10:34:33 2009
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\021909\B55315.D

Vial: 12

Acq On : 19 Feb 2009 9:47

Operator: TWK-SOP525r12

Sample : 0902111-2

Inst : CSS Instr

Misc : 5mL heated water

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Feb 19 10:35 2009

Quant Results File: 020509S.RES

Quant Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)

Title : GC/MS Volatiles (S.O.P. 525)

Last Update : Thu Feb 19 10:34:33 2009

Response via : Initial Calibration

DataAcq Meth : 020509S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) fluorobenzene	10.09	96	1564067	50.00	ppb	0.00
53) chlorobenzene-d5	12.79	117	1094351	50.00	ppb	0.00
74) 1,4-dichlorobenzene-d4	14.55	152	423420	50.00	ppb	0.00

System Monitoring Compounds

34) dibromofluoromethane	9.25	113	410077	43.35	ppb	0.00
Spiked Amount	50.000	Range	79 - 120	Recovery	=	86.70%
39) 1,2-dichloroethane-d4	9.82	65	347217	43.68	ppb	0.00
Spiked Amount	50.000	Range	62 - 139	Recovery	=	87.36%
54) toluene-d8	11.50	100	910247	46.08	ppb	0.00
Spiked Amount	50.000	Range	83 - 120	Recovery	=	92.16%
73) 4-bromofluorobenzene	13.69	174	363000	52.95	ppb	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	105.90%

Target Compounds

12) acetone	7.30	58	4270	Below Cal	Qvalue	68
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2/20/09

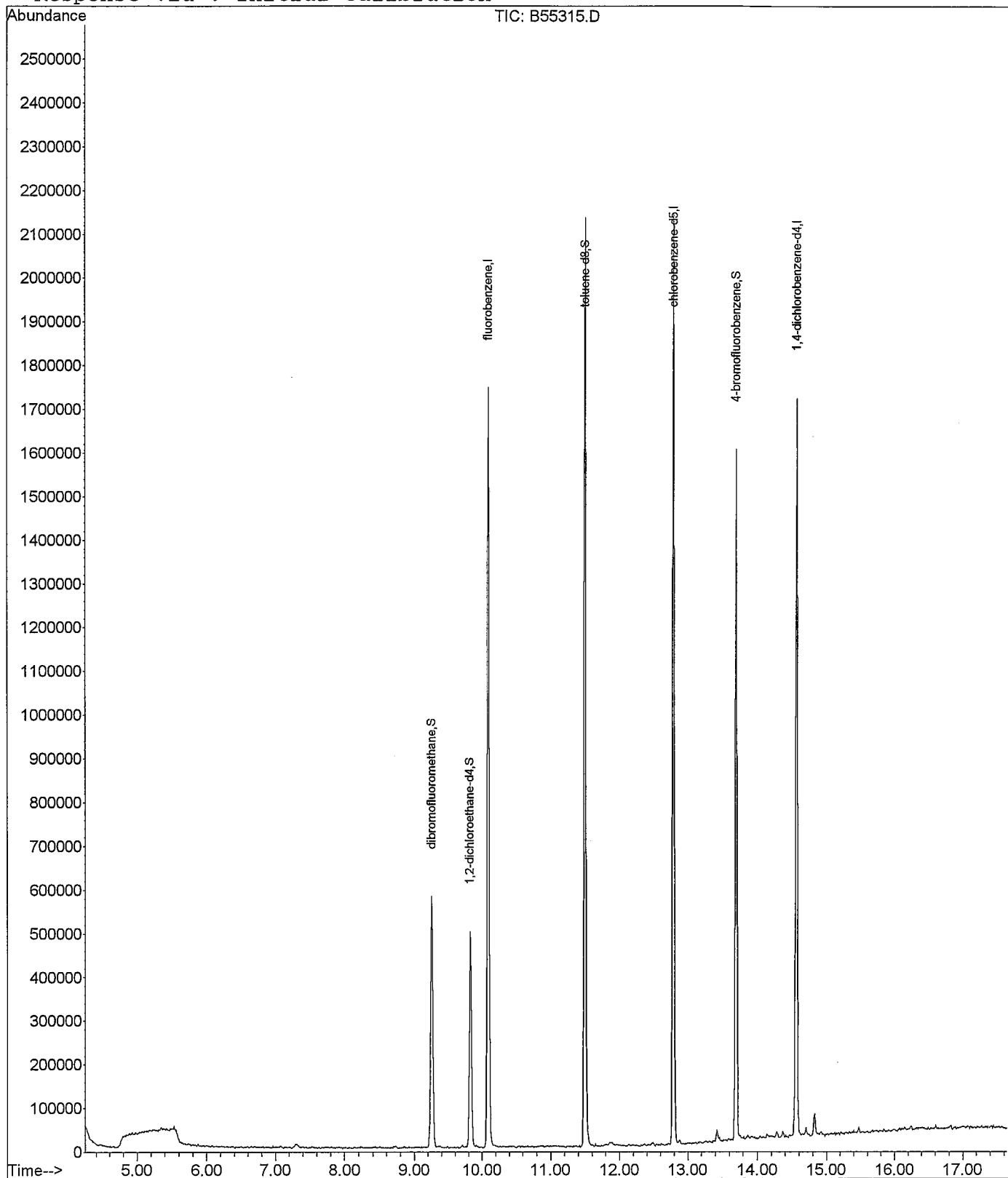
Quantitation Report

Data File : C:\HPCHEM\1\DATA\021909\B55315.D
 Acq On : 19 Feb 2009 9:47
 Sample : 0902111-2
 Misc : 5mL heated water
 MS Integration Params: rteint.p
 Quant Time: Feb 19 10:35 2009

Vial: 12
 Operator: TWK-SOP525r12
 Inst : CSS Instr
 Multiplr: 1.00

Quant Results File: 020509S.RES

Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)
 Title : GC/MS Volatiles (S.O.P. 525)
 Last Update : Thu Feb 19 10:34:33 2009
 Response via : Initial Calibration



Data File : C:\HPCHEM\1\DATA\021909\B55336.D

Acq On : 19 Feb 2009 17:56

Sample : 0902111-1 200X

Misc : 5mL heated water

MS Integration Params: rteint.p

Quant Time: Feb 19 19:12 2009

Vial: 33

Operator: TWK-SOP525r12

Inst : CSS Instr

Multiplr: 1.00

Quant Results File: 020509S.RES

Quant Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)

Title : GC/MS Volatiles (S.O.P. 525)

Last Update : Thu Feb 19 10:34:33 2009

Response via : Initial Calibration

DataAcq Meth : 020509S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	10.10	96	1532886	50.00	ppb	0.00
53) chlorobenzene-d5	12.79	117	1054946	50.00	ppb	0.00
74) 1,4-dichlorobenzene-d4	14.56	152	409630	50.00	ppb	0.00

System Monitoring Compounds

34) dibromofluoromethane	9.26	113	396940	42.82	ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery =	85.64%		
39) 1,2-dichloroethane-d4	9.83	65	332875	42.73	ppb	0.00
Spiked Amount 50.000	Range 62 - 139		Recovery =	85.46%		
54) toluene-d8	11.50	100	876991	46.06	ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery =	92.12%		
73) 4-bromofluorobenzene	13.70	174	357189	54.05	ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	108.10%		

Target Compounds

					Qvalue	
12) acetone	7.30	58	12628	6.87	ppb	95
17) methylene chloride	7.27	84	3737	Below Cal	MA #	91
41) benzene	9.71	78	1506574	39.81	ppb	93
55) toluene	11.55	91	2772070	79.93	ppb	100
64) 1-chlorohexane	12.79	91	111586	8.38	ppb	30
66) ethylbenzene	12.79	91	111586	2.95	ppb	99
68) m,p-xylene	12.89	106	479759	33.87	ppb	94
69) o-xylene	13.23	106	86852	6.13	ppb	97
80) 1,3,5-trimethylbenzene	13.88	105	72364	2.49	ppb	97
84) 1,2,4-trimethylbenzene	14.19	105	98427	3.56	ppb	93

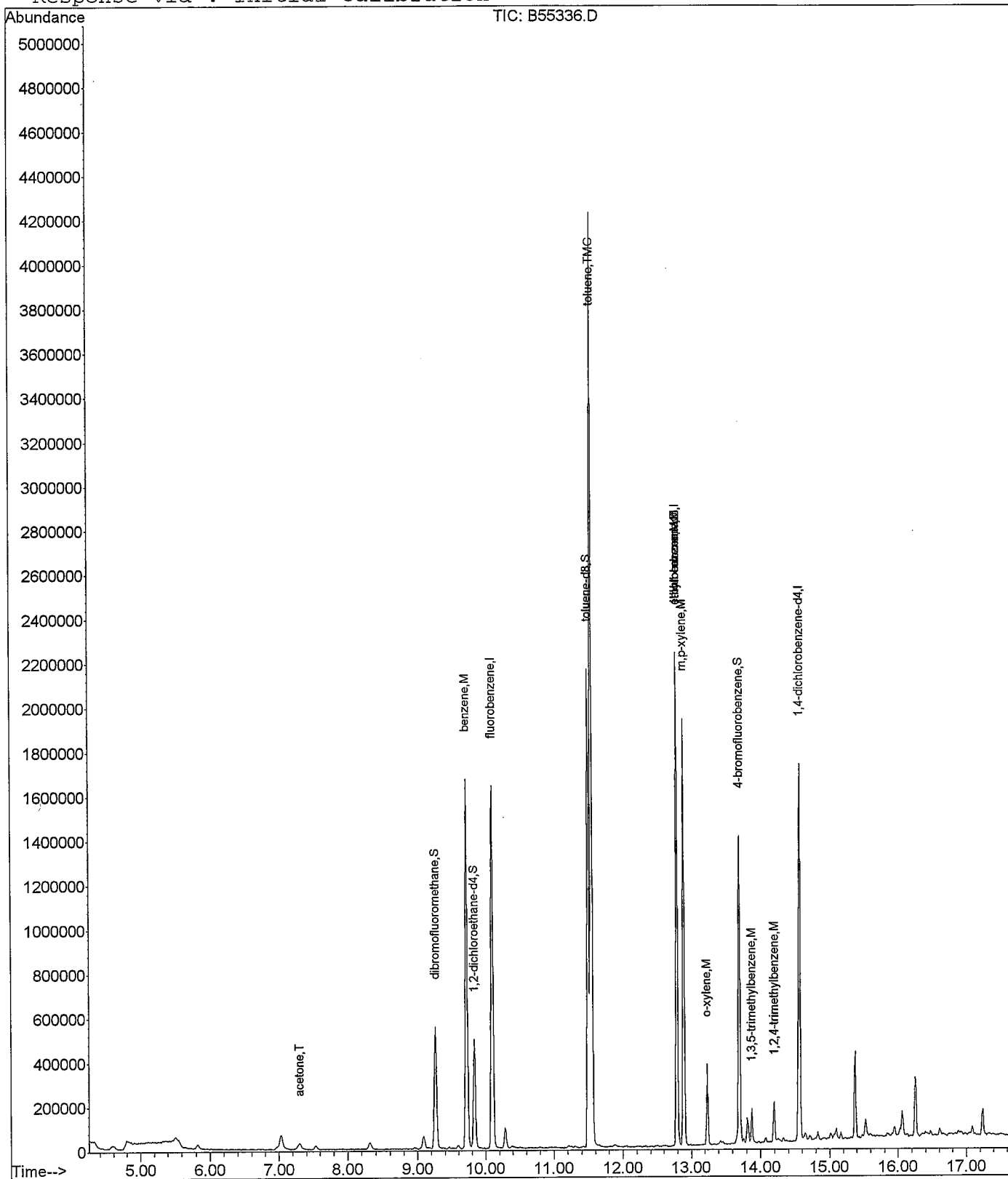
Quantitation Report

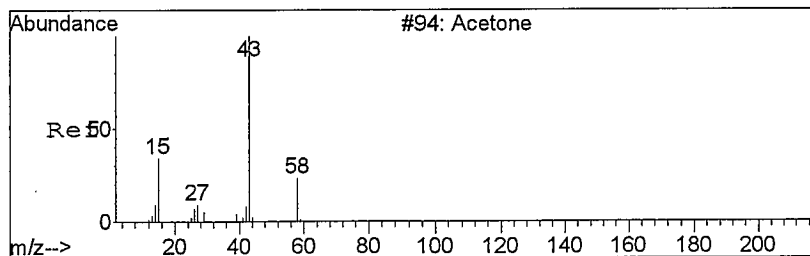
Data File : C:\HPCHEM\1\DATA\021909\B55336.D
 Acq On : 19 Feb 2009 17:56
 Sample : 0902111-1 200X
 Misc : 5mL heated water
 MS Integration Params: rteint.p
 Quant Time: Feb 19 19:12 2009

Vial: 33
 Operator: TWK-SOP525r12
 Inst : CSS Instr
 Multiplr: 1.00

Quant Results File: 020509S.RES

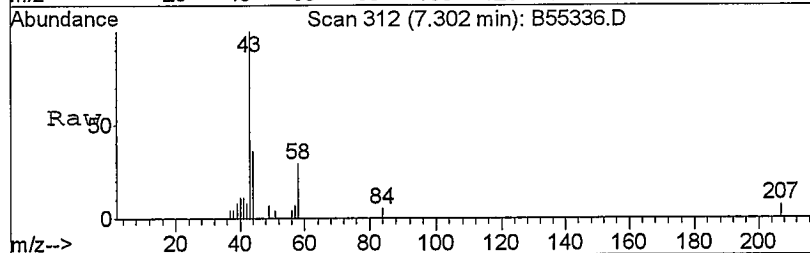
Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)
 Title : GC/MS Volatiles (S.O.P. 525)
 Last Update : Thu Feb 19 10:34:33 2009
 Response via : Initial Calibration



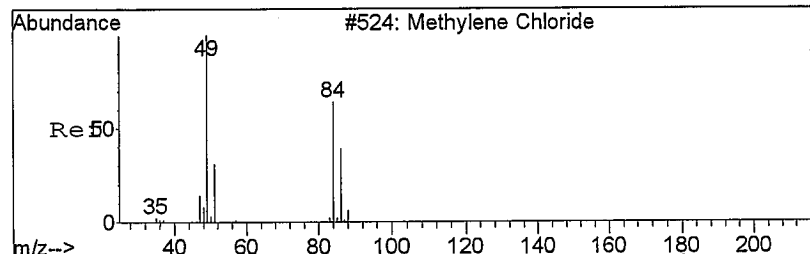
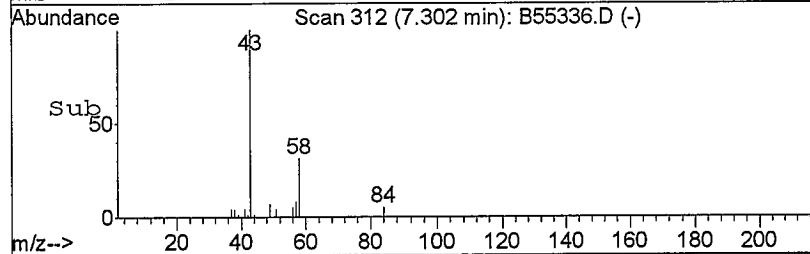
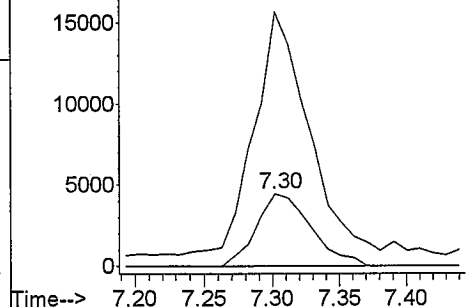


#12
acetone
Concen: 6.87 ppb
RT: 7.30 min Scan# 312
Delta R.T. 0.01 min
Lab File: B55336.D
Acq: 19 Feb 2009 17:56

Tgt Ion: 58 Resp: 12628
Ion Ratio Lower Upper
58 100
43 328.7 237.4 441.0

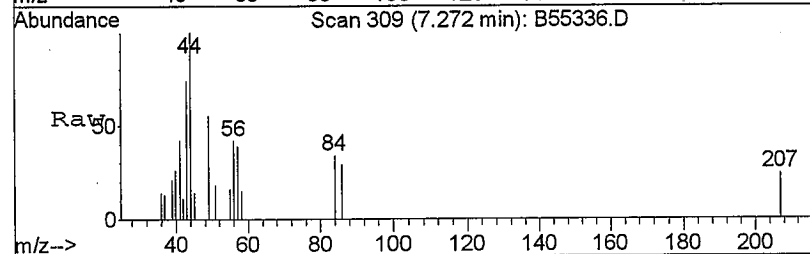


Abundance Ion 58.00 (57.70 to 58.70): B55336.D
Ion 43.00 (42.70 to 43.70): B55336.D

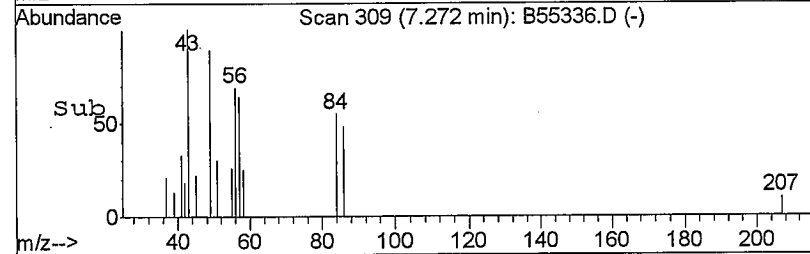
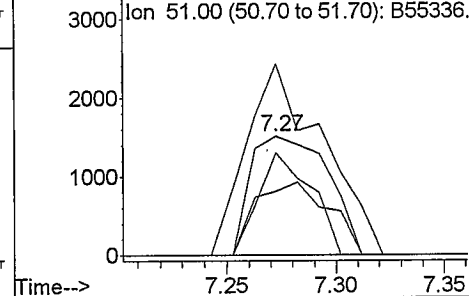


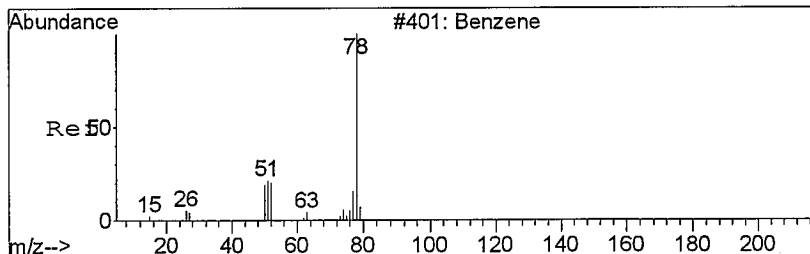
#17
methylene chloride
Concen: Below Cal
RT: 7.27 min Scan# 309
Delta R.T. -0.00 min
Lab File: B55336.D
Acq: 19 Feb 2009 17:56

Tgt Ion: 84 Resp: 3737
Ion Ratio Lower Upper
84 100
49 160.6 109.7 203.7
86 86.1 45.1 83.7#
51 53.6 34.4 64.0



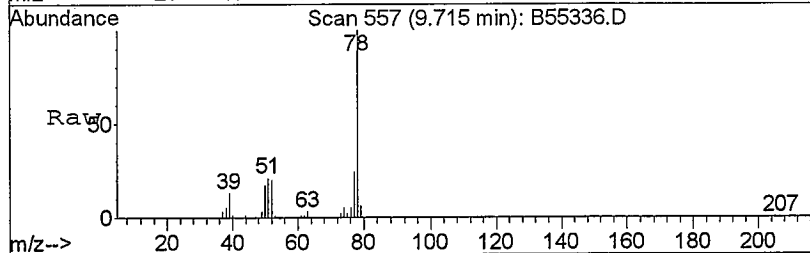
Abundance Ion 84.00 (83.70 to 84.70): B55336.D
Ion 49.00 (48.70 to 49.70): B55336.D
Ion 86.00 (85.70 to 86.70): B55336.D
Ion 51.00 (50.70 to 51.70): B55336.D



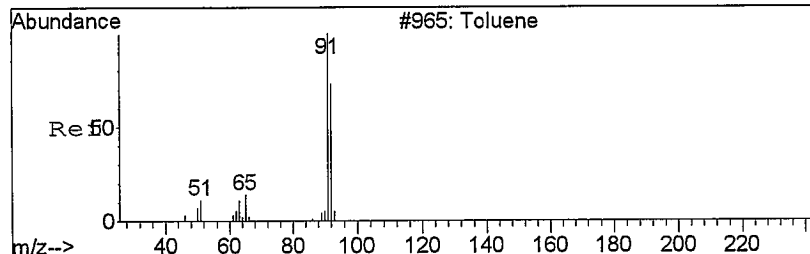
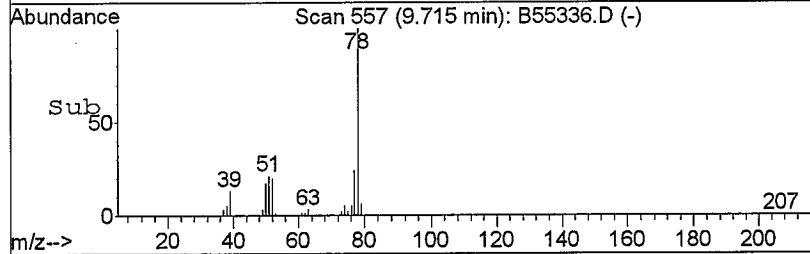
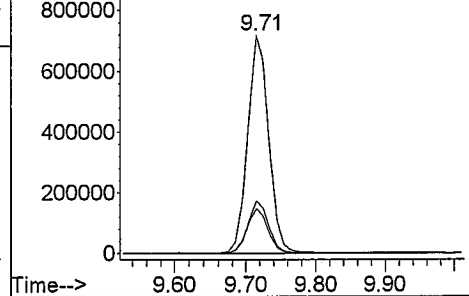


#41
benzene
Concen: 39.81 ppb
RT: 9.71 min Scan# 557
Delta R.T. 0.01 min
Lab File: B55336.D
Acq: 19 Feb 2009 17:56

Tgt	Ion: 78	Resp: 1506574	
Ion	Ratio	Lower	Upper
78	100		
52	20.4	18.7	34.7
77	23.8	16.0	29.8

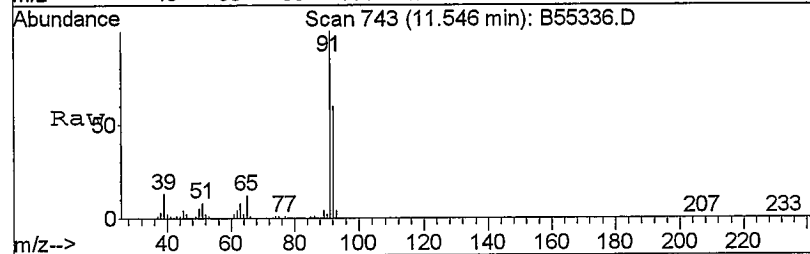


Abundance
Ion 78.00 (77.70 to 78.70): B55336.D
Ion 52.00 (51.70 to 52.70): B55336.D
Ion 77.00 (76.70 to 77.70): B55336.D

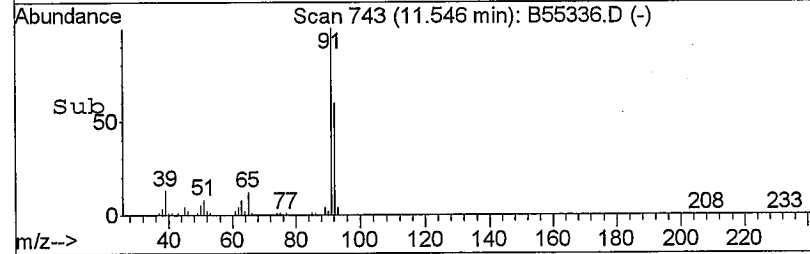
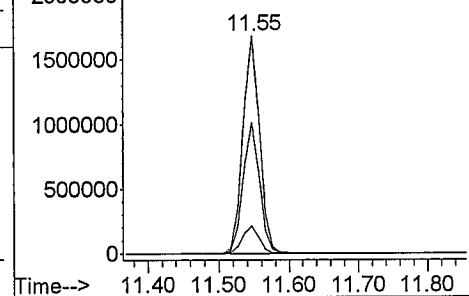


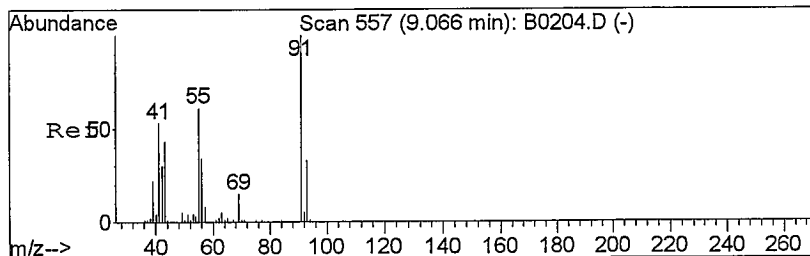
#55
toluene
Concen: 79.93 ppb
RT: 11.55 min Scan# 743
Delta R.T. 0.01 min
Lab File: B55336.D
Acq: 19 Feb 2009 17:56

Tgt	Ion: 91	Resp: 2772070	
Ion	Ratio	Lower	Upper
91	100		
92	60.1	42.0	78.0
65	12.4	9.1	16.9



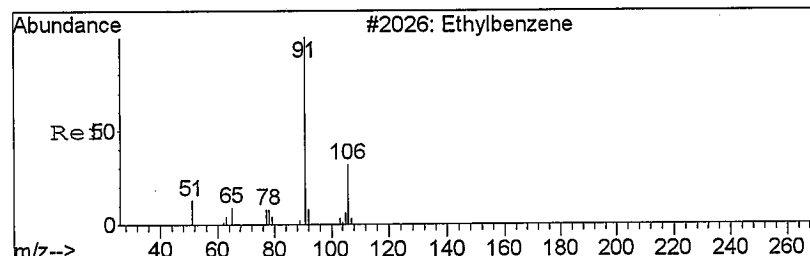
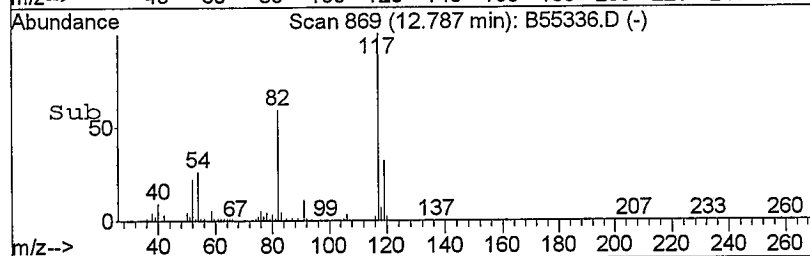
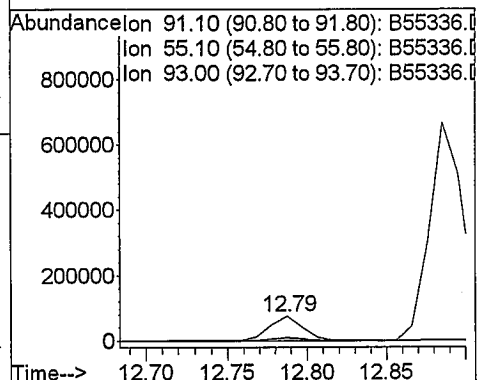
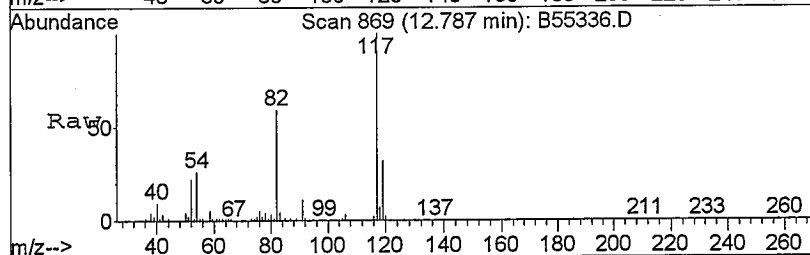
Abundance
Ion 91.00 (90.70 to 91.70): B55336.D
Ion 92.00 (91.70 to 92.70): B55336.D
Ion 65.00 (64.70 to 65.70): B55336.D





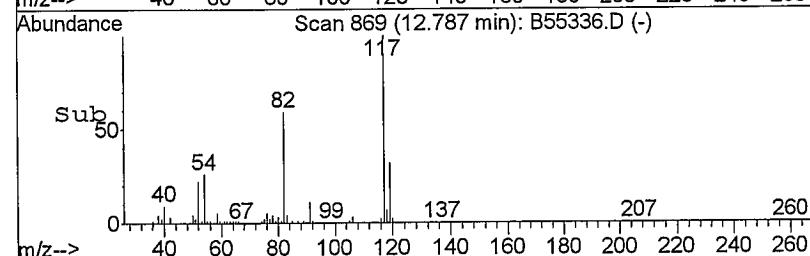
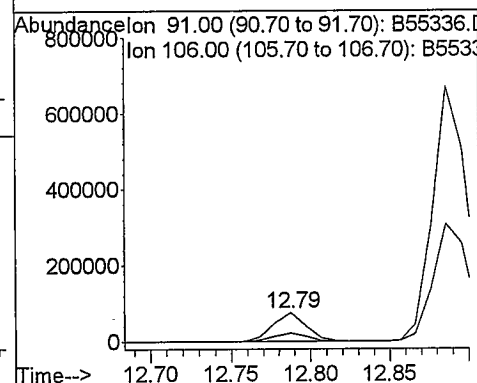
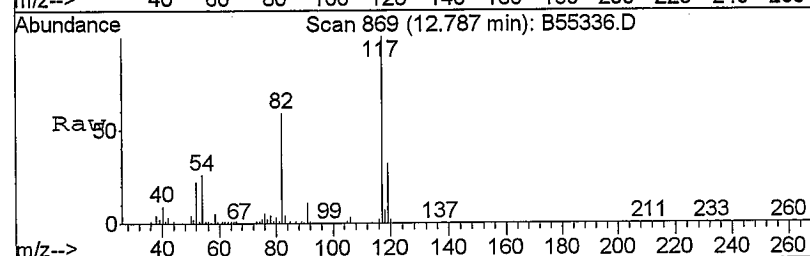
#64
1-chlorohexane
Concen: 8.38 ppb
RT: 12.79 min Scan# 869
Delta R.T. 0.07 min
Lab File: B55336.D
Acq: 19 Feb 2009 17:56

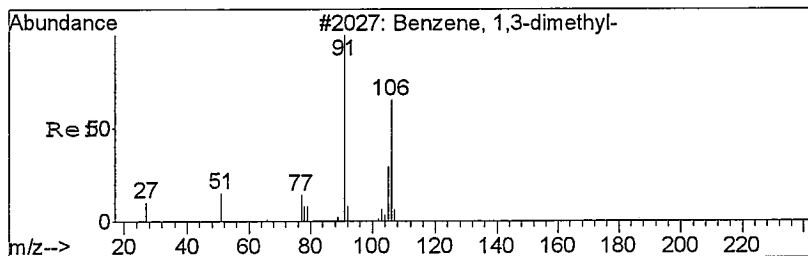
Tgt Ion: 91 Resp: 111586
Ion Ratio Lower Upper
91 100
55 10.7 52.4 97.2#
93 0.0 22.8 42.4#



#66
ethylbenzene
Concen: 2.95 ppb
RT: 12.79 min Scan# 869
Delta R.T. 0.01 min
Lab File: B55336.D
Acq: 19 Feb 2009 17:56

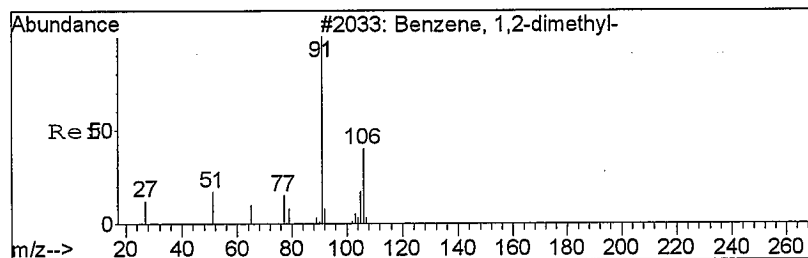
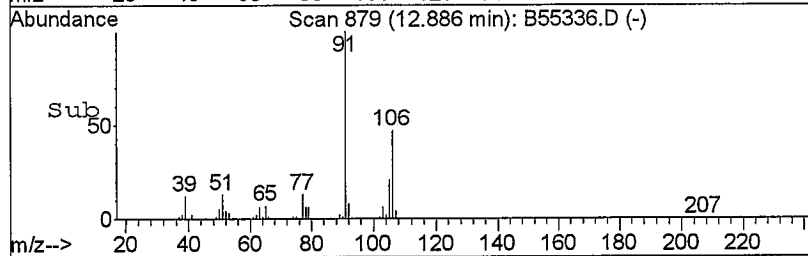
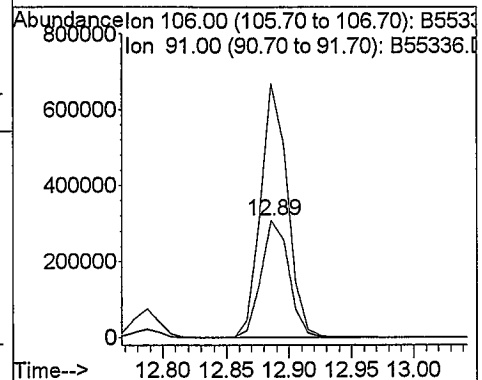
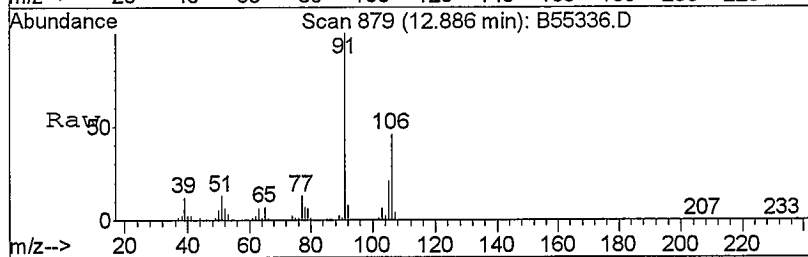
Tgt Ion: 91 Resp: 111586
Ion Ratio Lower Upper
91 100
106 29.3 20.1 37.3





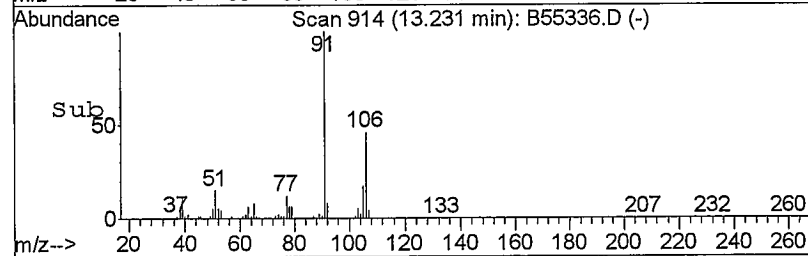
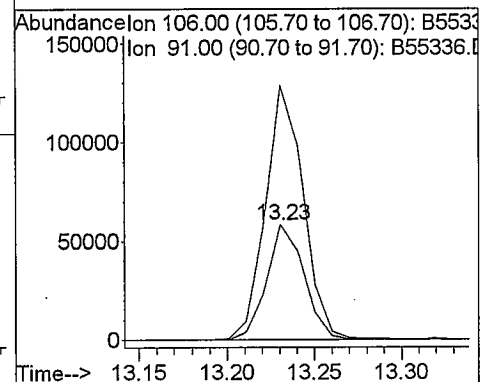
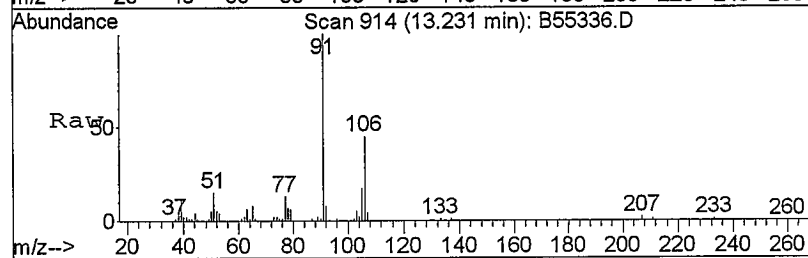
#68
m,p-xylene
Concen: 33.87 ppb
RT: 12.89 min Scan# 879
Delta R.T. -0.00 min
Lab File: B55336.D
Acq: 19 Feb 2009 17:56

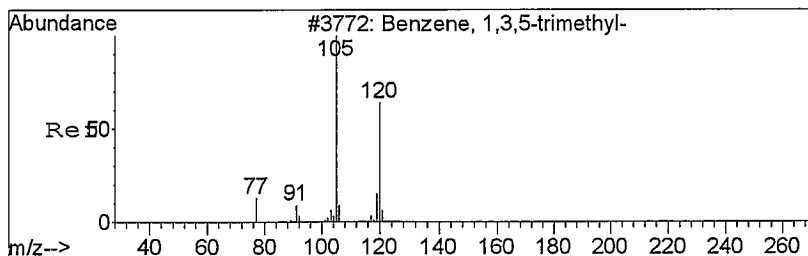
Tgt Ion: 106 Resp: 479759
Ion Ratio Lower Upper
106 100
91 216.3 144.8 269.0



#69
o-xylene
Concen: 6.13 ppb
RT: 13.23 min Scan# 914
Delta R.T. -0.00 min
Lab File: B55336.D
Acq: 19 Feb 2009 17:56

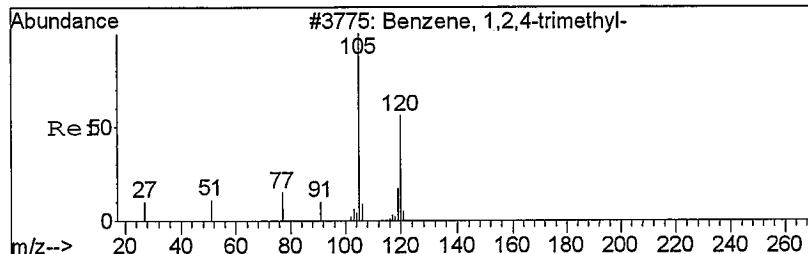
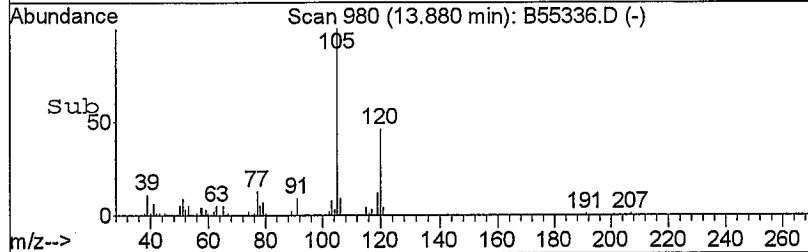
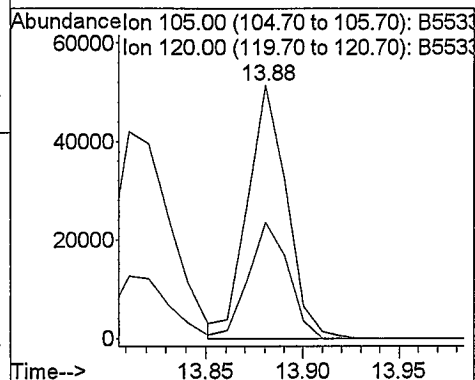
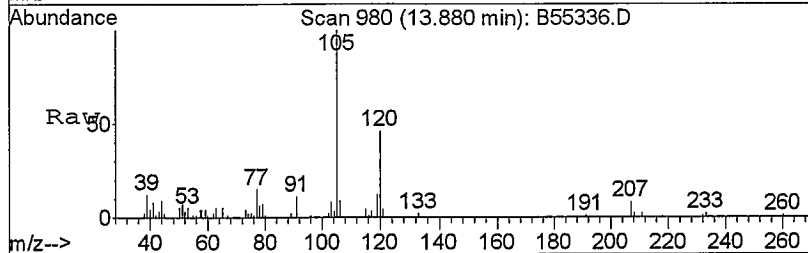
Tgt Ion: 106 Resp: 86852
Ion Ratio Lower Upper
106 100
91 220.3 151.1 280.5





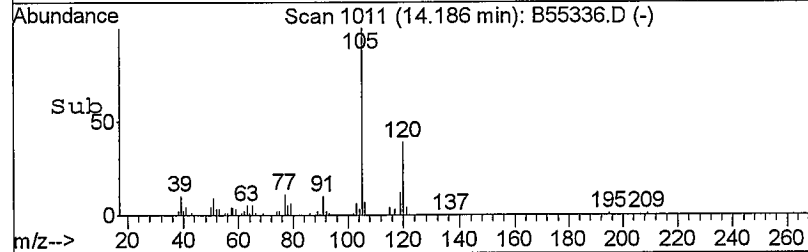
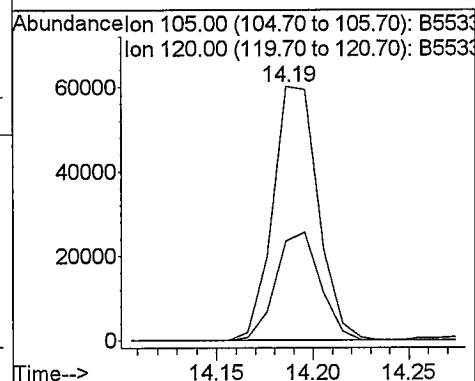
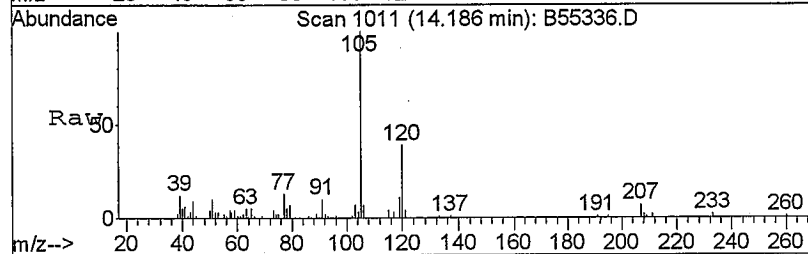
#80
1,3,5-trimethylbenzene
Concen: 2.49 ppb
RT: 13.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: B55336.D
Acq: 19 Feb 2009 17:56

Tgt Ion:105 Resp: 72364
Ion Ratio Lower Upper
105 100
120 45.9 33.6 62.4



#84
1,2,4-trimethylbenzene
Concen: 3.56 ppb
RT: 14.19 min Scan# 1011
Delta R.T. -0.00 min
Lab File: B55336.D
Acq: 19 Feb 2009 17:56

Tgt Ion:105 Resp: 98427
Ion Ratio Lower Upper
105 100
120 39.0 30.4 56.5



Data File : C:\HPCHEM\1\DATA\021909\B55337.D

Vial: 34

Acq On : 19 Feb 2009 18:18

Operator: TWK-SOP525r12

Sample : 0902111-1 50X

Inst : CSS Instr

Misc : 5mL heated water

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Feb 19 19:12 2009

Quant Results File: 020509S.RES

Quant Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)

Title : GC/MS Volatiles (S.O.P. 525)

Last Update : Thu Feb 19 10:34:33 2009

Response via : Initial Calibration

DataAcq Meth : 020509S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	10.09	96	1541406	50.00	ppb	0.00
53) chlorobenzene-d5	12.79	117	1068128	50.00	ppb	0.00
74) 1,4-dichlorobenzene-d4	14.56	152	414452	50.00	ppb	0.01

System Monitoring Compounds

34) dibromofluoromethane	9.26	113	404000	43.34	ppb	0.00
Spiked Amount 50.000	Range 79 - 120		Recovery	=	86.68%	
39) 1,2-dichloroethane-d4	9.84	65	331126	42.27	ppb	0.01
Spiked Amount 50.000	Range 62 - 139		Recovery	=	84.54%	
54) toluene-d8	11.50	100	893421	46.34	ppb	0.00
Spiked Amount 50.000	Range 83 - 120		Recovery	=	92.68%	
73) 4-bromofluorobenzene	13.70	174	362387	54.16	ppb	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery	=	108.32%	

Target Compounds

						Qvalue
12) acetone	7.31	58	36806	45.36	ppb	100
17) methylene chloride	7.28	84	4625	Below Cal	174	85
18) tert-butanol	7.31	59	661	Below Cal	174	1
40) tert-amyl methyl ether	9.72	73	103467	4.13	ppb	58
41) benzene	9.72	78	6089538	160.00	ppb	92
55) toluene	11.55	91	11145490	317.42	ppb	96
64) 1-chlorohexane	12.79	91	435764	32.34	ppb	24
66) ethylbenzene	12.79	91	435764	11.36	ppb	99
68) m,p-xylene	12.89	106	1918652	133.77	ppb	97
69) o-xylene	13.23	106	353164	24.61	ppb	94
77) trans-1,4-dichloro-2-buten	13.88	53	11825	4.79	ppb	1
80) 1,3,5-trimethylbenzene	13.88	105	284951	9.69	ppb	95
84) 1,2,4-trimethylbenzene	14.19	105	386614	13.84	ppb	99
95) naphthalene	16.61	128	67245	3.89	ppb	100

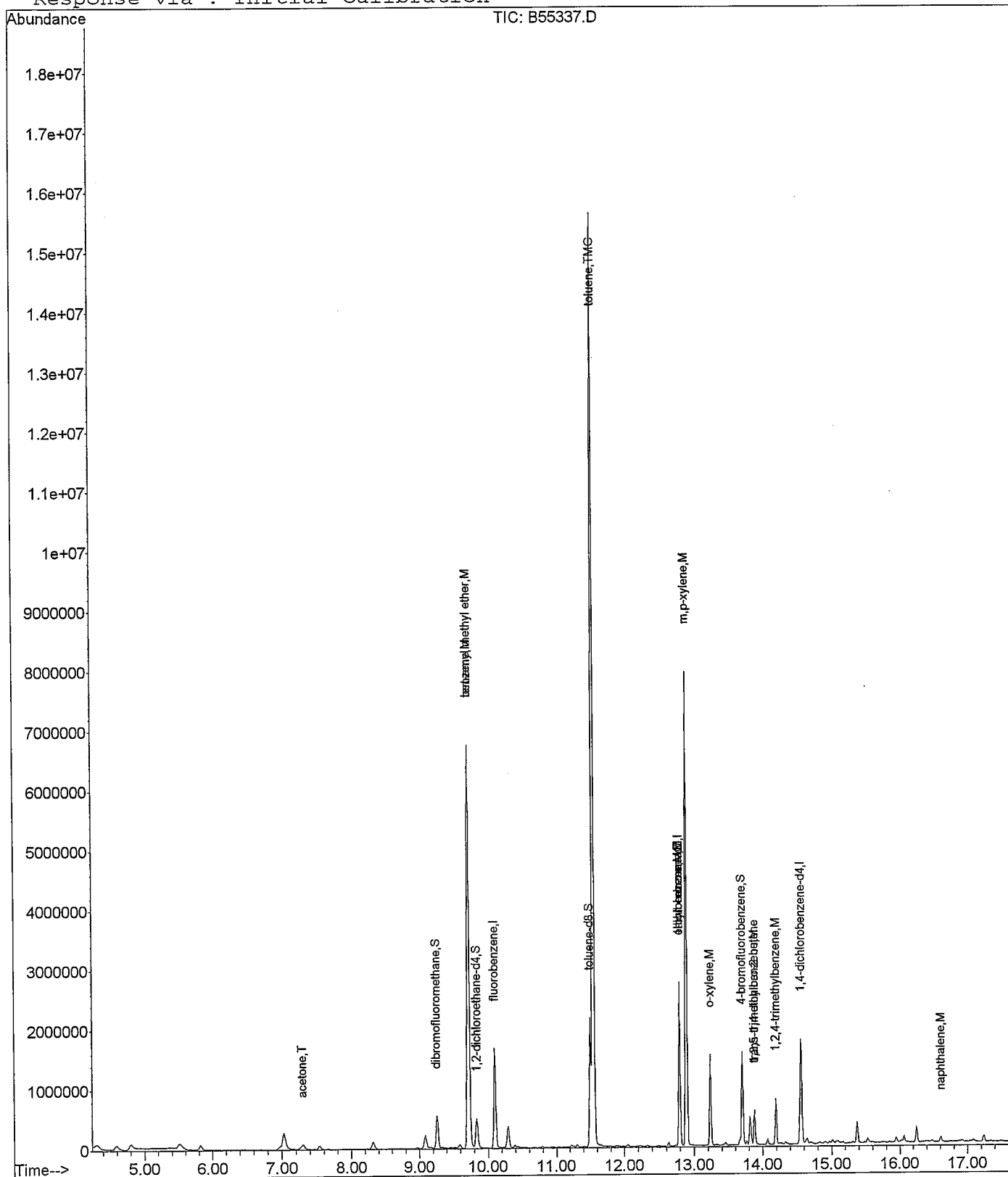
Quantitation Report

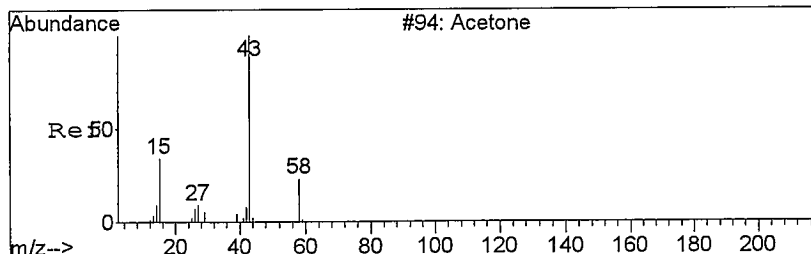
Data File : C:\HPCHEM\1\DATA\021909\B55337.D
 Acq On : 19 Feb 2009 18:18
 Sample : 0902111-1 50X
 Misc : 5mL heated water
 MS Integration Params: rteint.p
 Quant Time: Feb 19 19:12 2009

Vial: 34
 Operator: TWK-SOP525r12
 Inst : CSS Instr
 Multiplr: 1.00

Quant Results File: 020509S.RES

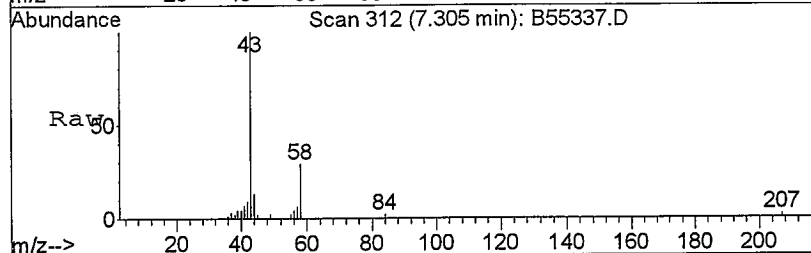
Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)
 Title : GC/MS Volatiles (S.O.P. 525)
 Last Update : Thu Feb 19 10:34:33 2009
 Response via : Initial Calibration



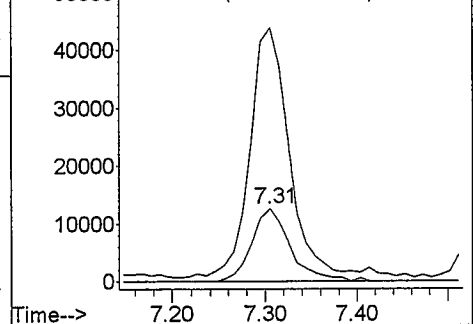
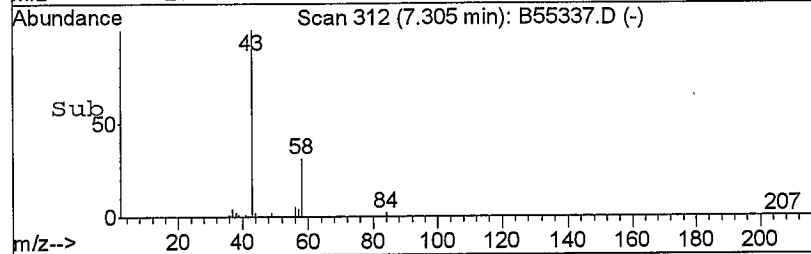


#12
acetone
Concen: 45.36 ppb
RT: 7.31 min Scan# 312
Delta R.T. 0.01 min
Lab File: B55337.D
Acq: 19 Feb 2009 18:18

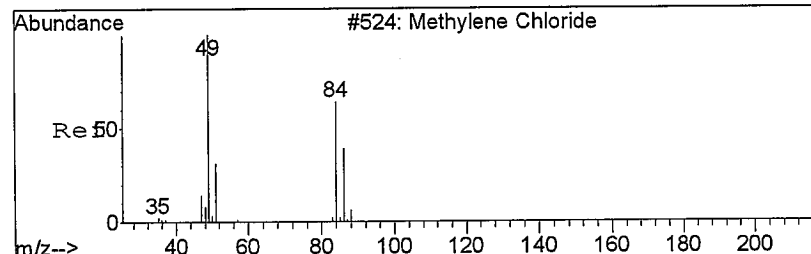
Tgt Ion: 58 Resp: 36806
Ion Ratio Lower Upper
58 100
43 339.3 237.4 441.0



Abundance Ion 58.00 (57.70 to 58.70): B55337.D
50000 Ion 43.00 (42.70 to 43.70): B55337.D

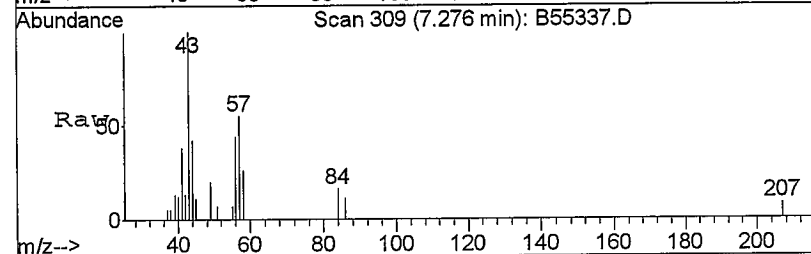


✓

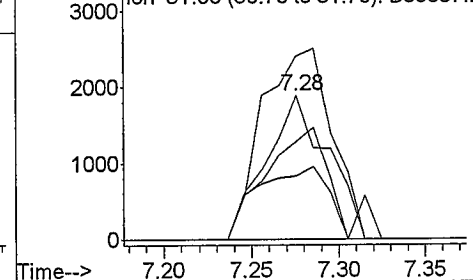
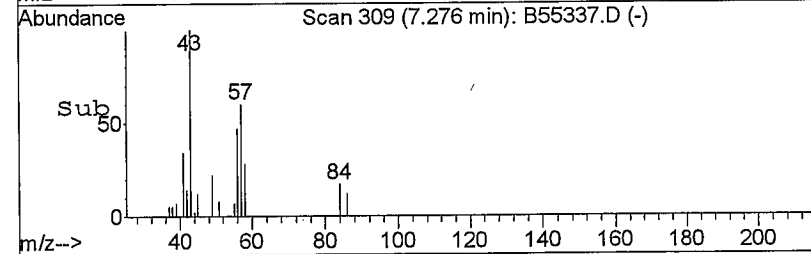


#17
methylene chloride
Concen: Below Cal
RT: 7.28 min Scan# 309
Delta R.T. 0.00 min
Lab File: B55337.D
Acq: 19 Feb 2009 18:18

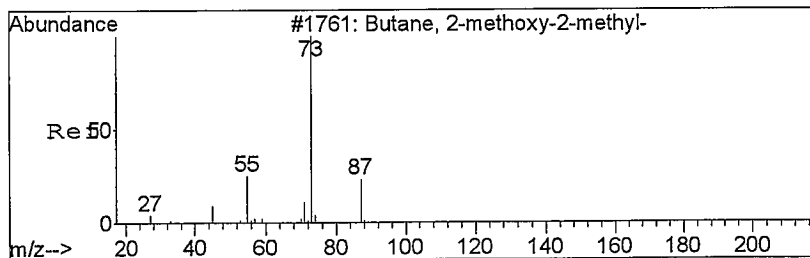
Tgt Ion: 84 Resp: 4625
Ion Ratio Lower Upper
84 100
49 127.7 109.7 203.7
86 68.1 45.1 83.7
51 44.2 34.4 64.0



Abundance Ion 84.00 (83.70 to 84.70): B55337.D
Ion 49.00 (48.70 to 49.70): B55337.D
Ion 86.00 (85.70 to 86.70): B55337.D
Ion 51.00 (50.70 to 51.70): B55337.D

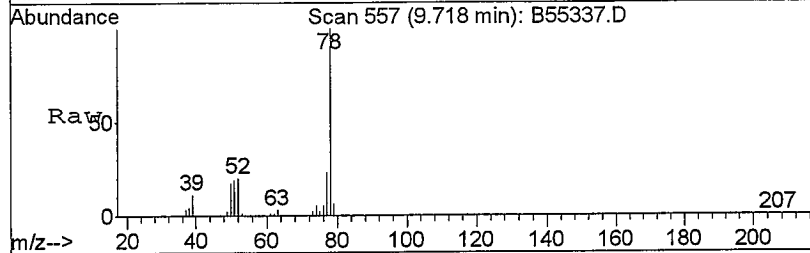


NA

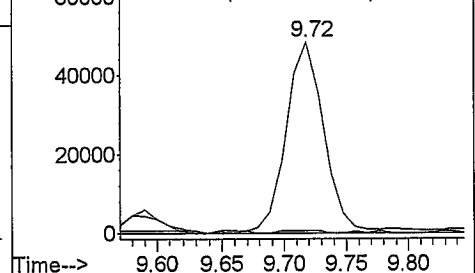


#40
tert-amyl methyl ether
Concen: 4.13 ppb
RT: 9.72 min Scan# 557
Delta R.T. -0.03 min
Lab File: B55337.D
Acq: 19 Feb 2009 18:18

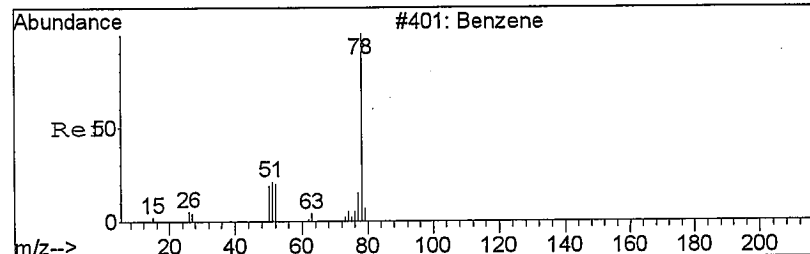
Tgt Ion:	73	Resp:	103467
Ion Ratio	Lower	Upper	
73	100		
55	1.4	17.2	32.0#
71	0.0	7.3	13.5#
87	0.0	14.4	26.7#



Abundance Ion 73.00 (72.70 to 73.70): B55337.D
Ion 55.00 (54.70 to 55.70): B55337.D
Ion 71.00 (70.70 to 71.70): B55337.D
Ion 87.00 (86.70 to 87.70): B55337.D

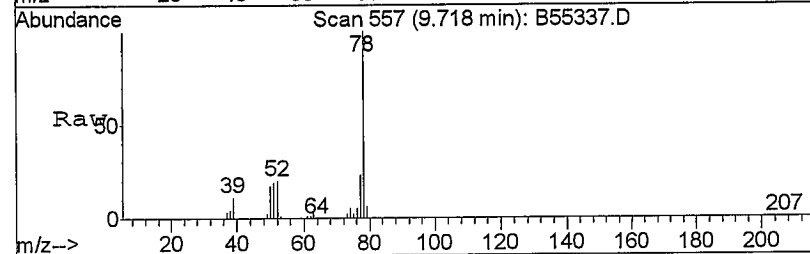


NO

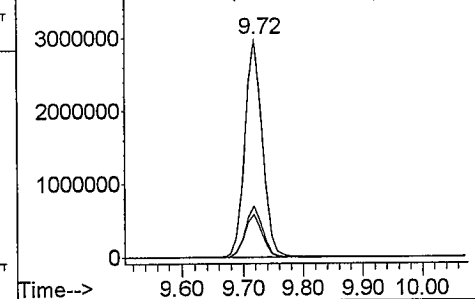


#41
benzene
Concen: 160.00 ppb
RT: 9.72 min Scan# 557
Delta R.T. 0.01 min
Lab File: B55337.D
Acq: 19 Feb 2009 18:18

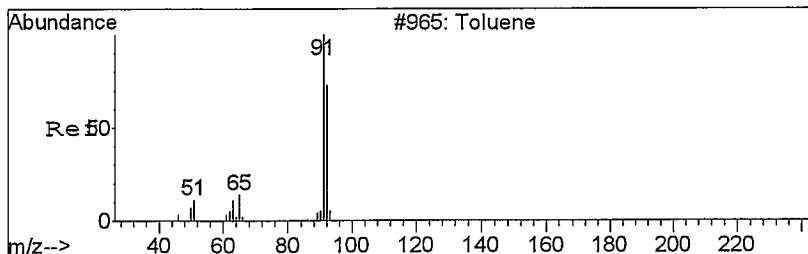
Tgt Ion:	78	Resp:	6089538
Ion Ratio	Lower	Upper	
78	100		
52	19.7	18.7	34.7
77	23.2	16.0	29.8



Abundance Ion 78.00 (77.70 to 78.70): B55337.D
Ion 52.00 (51.70 to 52.70): B55337.D
Ion 77.00 (76.70 to 77.70): B55337.D

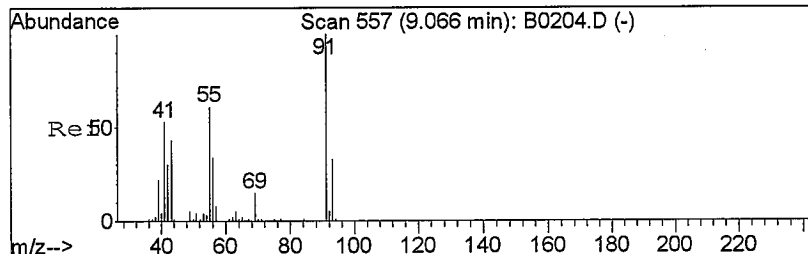
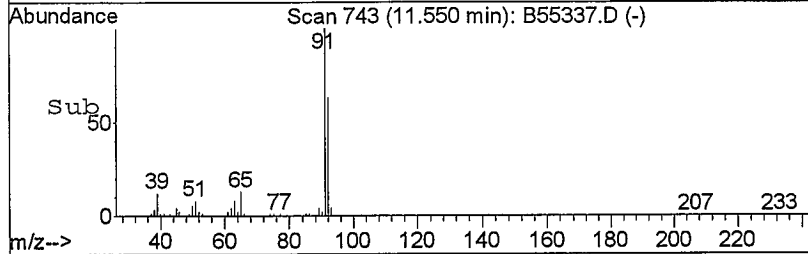
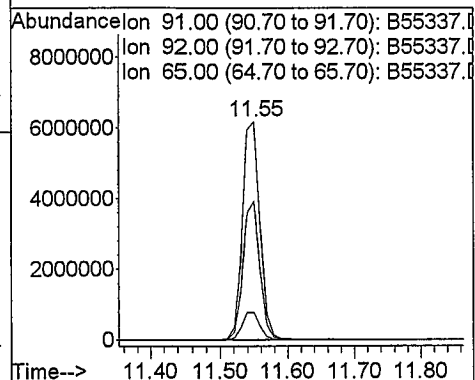
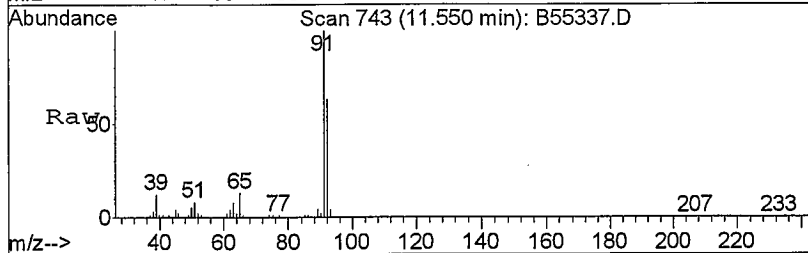


✓



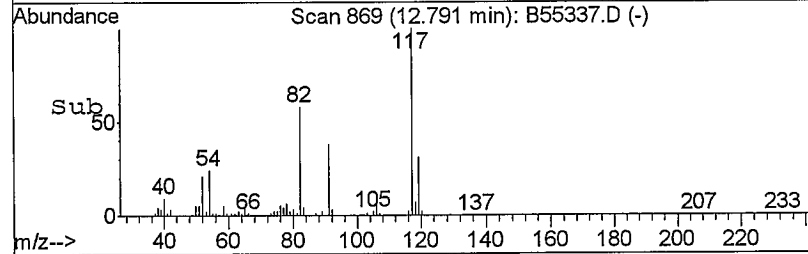
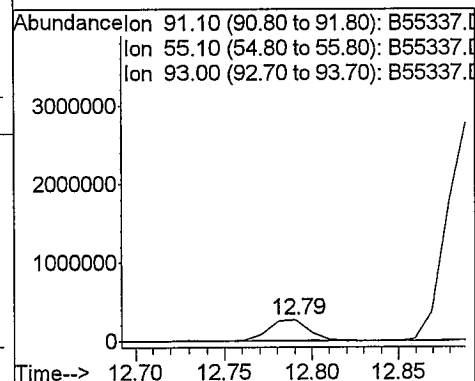
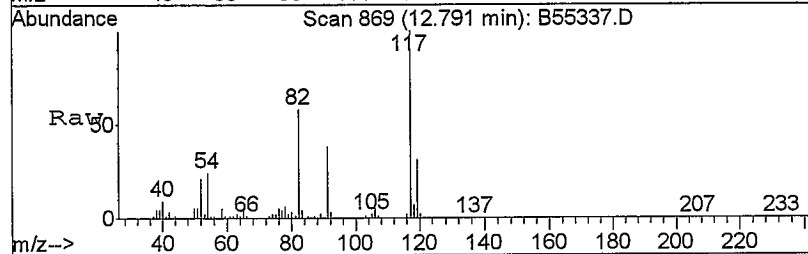
#55
toluene
Concen: 317.42 ppb
RT: 11.55 min Scan# 743
Delta R.T. 0.01 min
Lab File: B55337.D
Acq: 19 Feb 2009 18:18

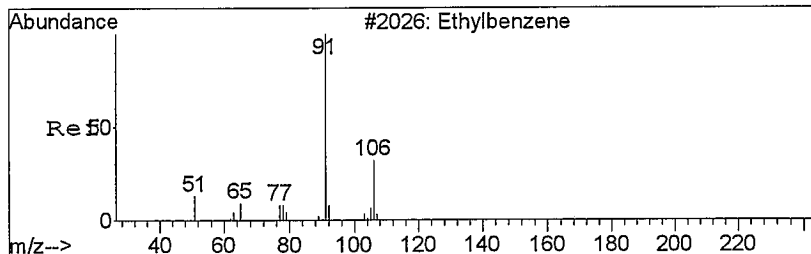
Tgt Ion: 91 Resp: 11145490
Ion Ratio Lower Upper
91 100
92 63.4 42.0 78.0
65 12.7 9.1 16.9



#64
1-chlorohexane
Concen: 32.34 ppb
RT: 12.79 min Scan# 869
Delta R.T. 0.07 min
Lab File: B55337.D
Acq: 19 Feb 2009 18:18

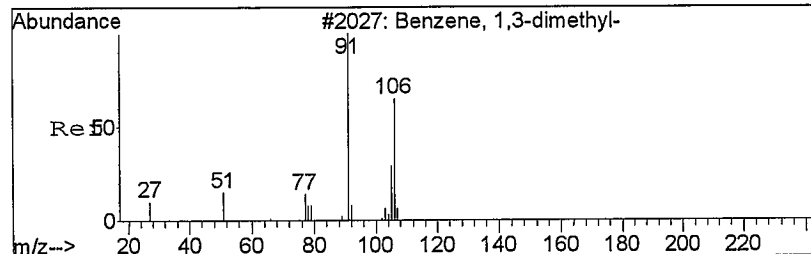
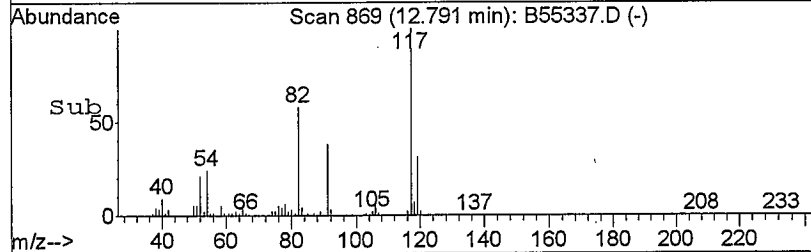
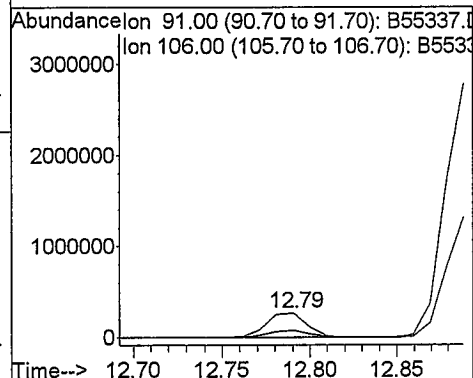
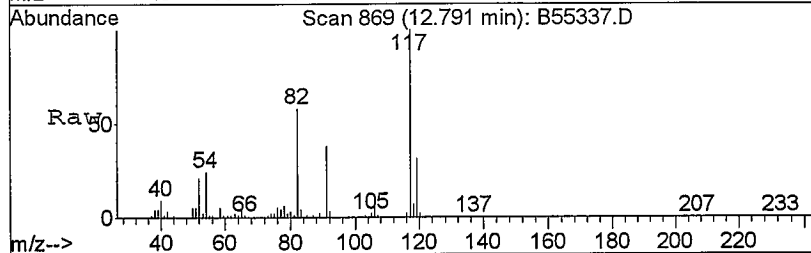
Tgt Ion: 91 Resp: 435764
Ion Ratio Lower Upper
91 100
55 3.2 52.4 97.2#
93 0.3 22.8 42.4#





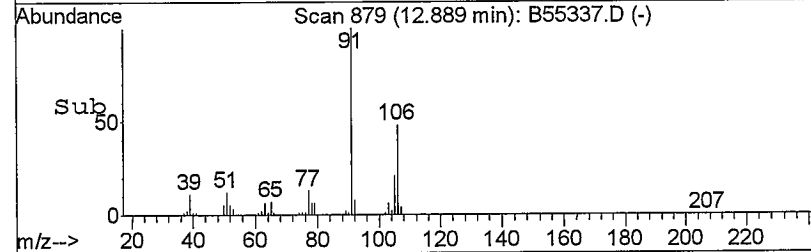
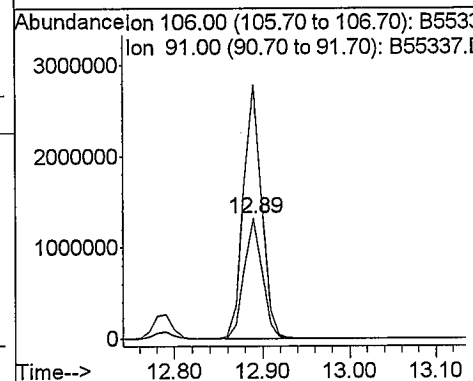
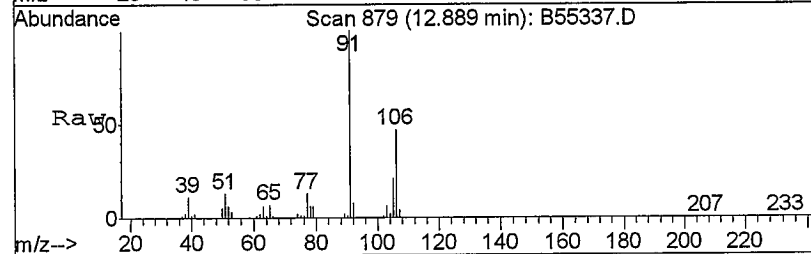
#66
ethylbenzene
Concen: 11.36 ppb
RT: 12.79 min Scan# 869
Delta R.T. 0.01 min
Lab File: B55337.D
Acq: 19 Feb 2009 18:18

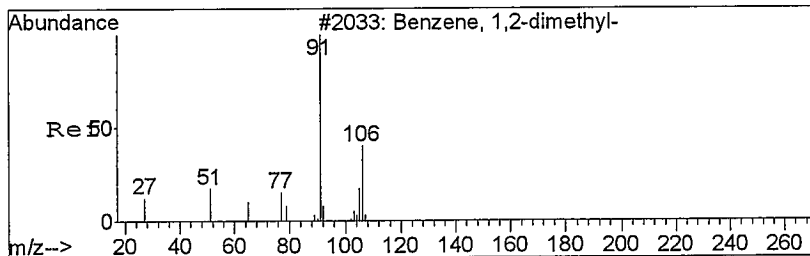
Tgt Ion: 91 Resp: 435764
Ion Ratio Lower Upper
91 100
106 29.3 20.1 37.3



#68
m,p-xylene
Concen: 133.77 ppb
RT: 12.89 min Scan# 879
Delta R.T. 0.00 min
Lab File: B55337.D
Acq: 19 Feb 2009 18:18

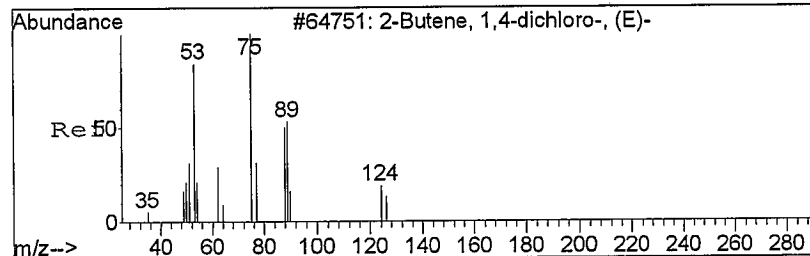
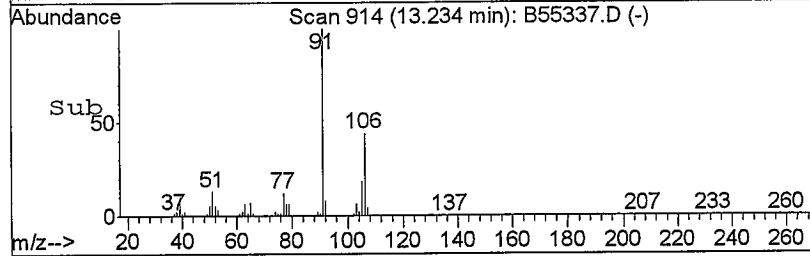
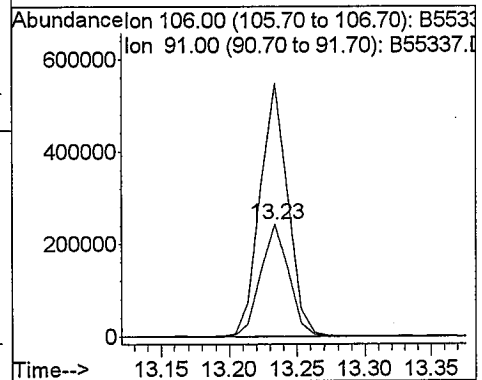
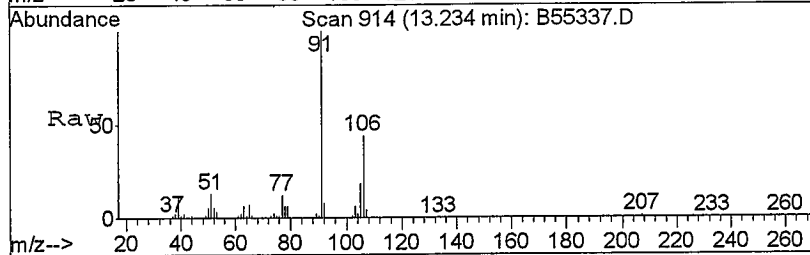
Tgt Ion: 106 Resp: 1918652
Ion Ratio Lower Upper
106 100
91 210.8 144.8 269.0





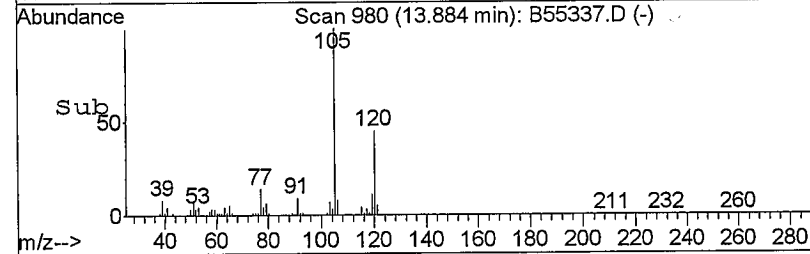
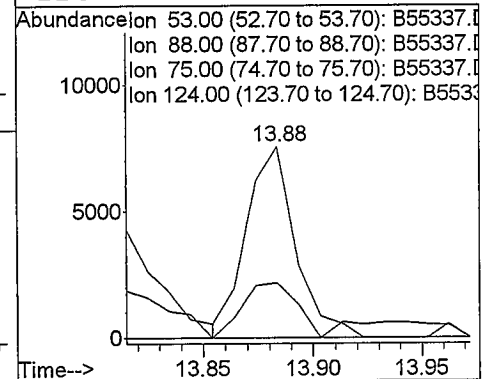
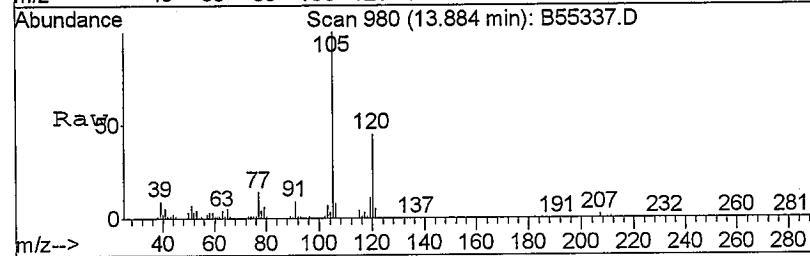
#69
o-xylene
Concen: 24.61 ppb
RT: 13.23 min Scan# 914
Delta R.T. 0.00 min
Lab File: B55337.D
Acq: 19 Feb 2009 18:18

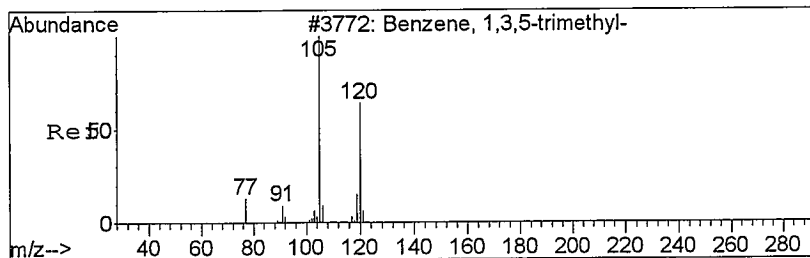
Tgt Ion: 106 Resp: 353164
Ion Ratio Lower Upper
106 100
91 225.0 151.1 280.5



#77
trans-1,4-dichloro-2-butene
Concen: 4.79 ppb
RT: 13.88 min Scan# 980
Delta R.T. -0.05 min
Lab File: B55337.D
Acq: 19 Feb 2009 18:18

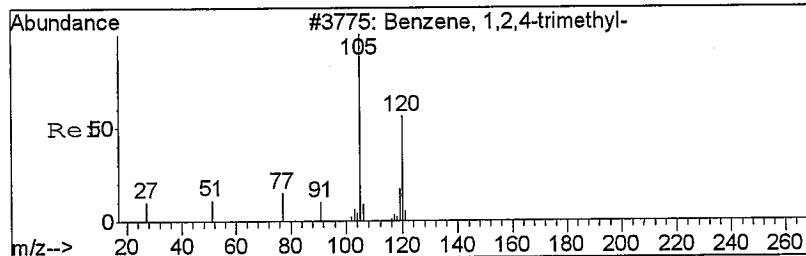
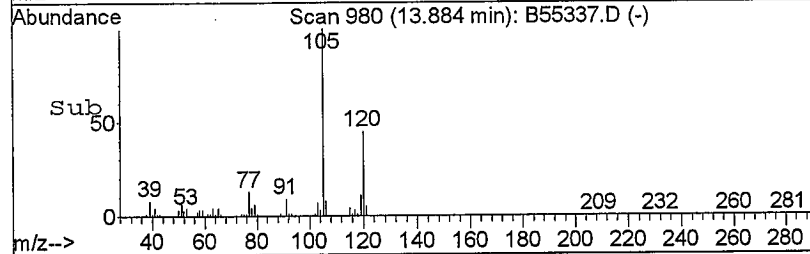
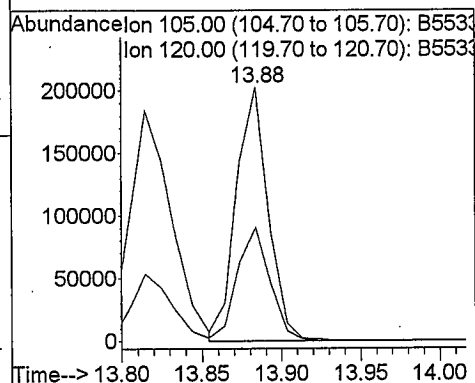
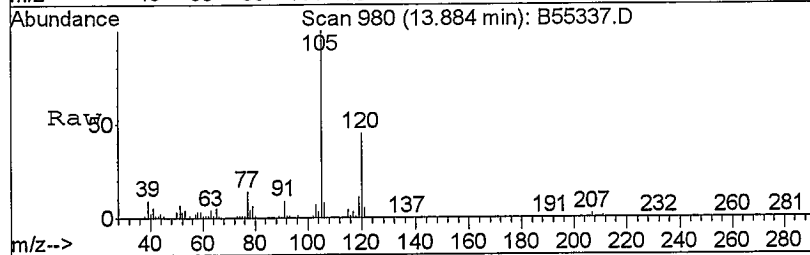
Tgt Ion: 53 Resp: 11825
Ion Ratio Lower Upper
53 100
88 0.0 28.7 53.3#
75 28.7 290.2 539.0#
124 0.0 16.4 30.6#





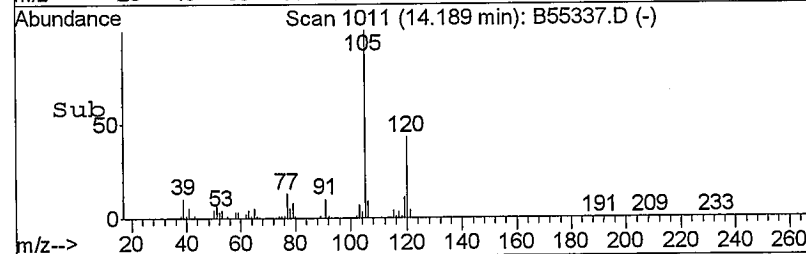
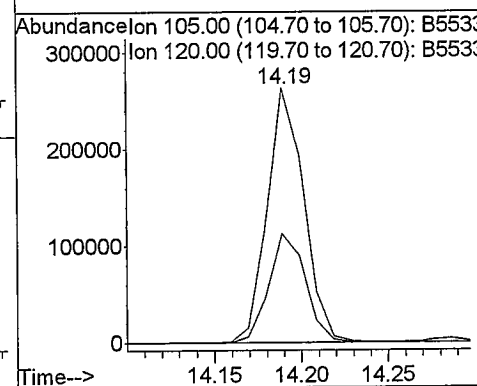
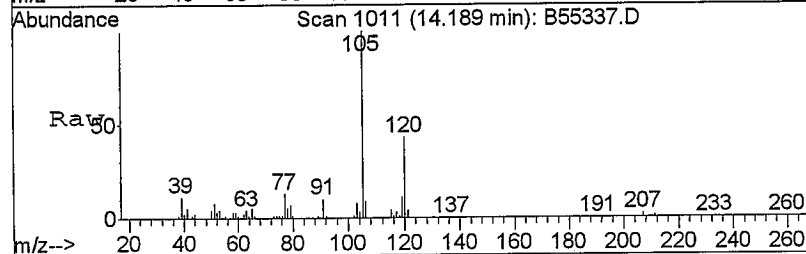
#80
1,3,5-trimethylbenzene
Concen: 9.69 ppb
RT: 13.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: B55337.D
Acq: 19 Feb 2009 18:18

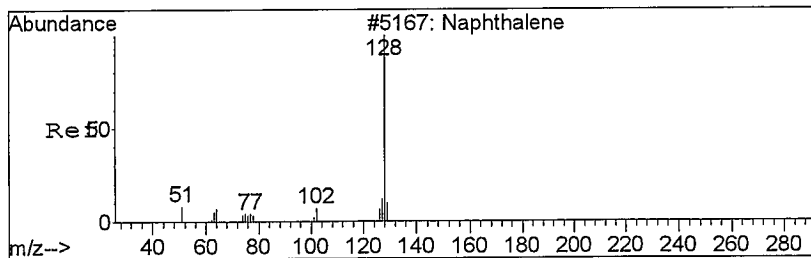
Tgt Ion:105 Resp: 284951
Ion Ratio Lower Upper
105 100
120 44.8 33.6 62.4



#84
1,2,4-trimethylbenzene
Concen: 13.84 ppb
RT: 14.19 min Scan# 1011
Delta R.T. 0.00 min
Lab File: B55337.D
Acq: 19 Feb 2009 18:18

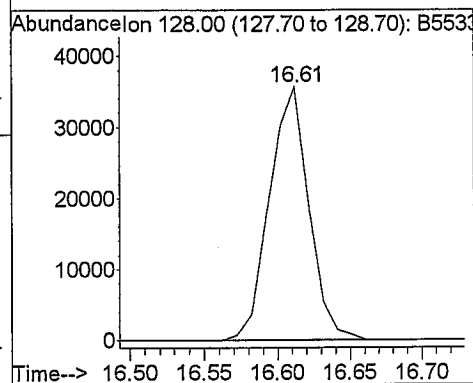
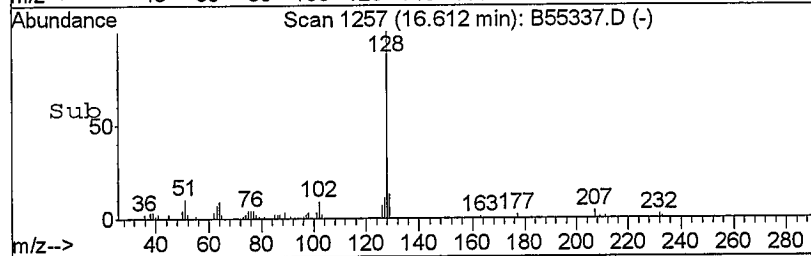
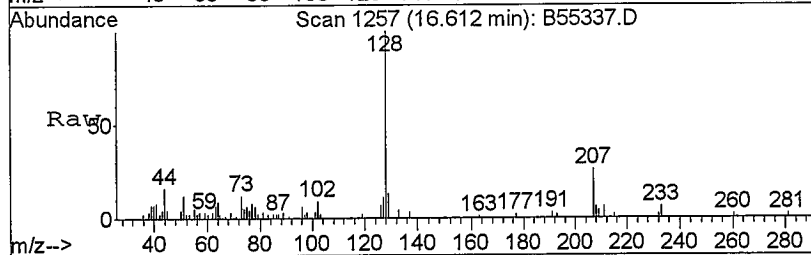
Tgt Ion:105 Resp: 386614
Ion Ratio Lower Upper
105 100
120 42.8 30.4 56.5





#95
naphthalene
Concen: 3.89 ppb
RT: 16.61 min Scan# 1257
Delta R.T. 0.01 min
Lab File: B55337.D
Acq: 19 Feb 2009 18:18

Tgt Ion:128 Resp: 67245



Raw Data Quality Control Samples

Data File : C:\HPCHEM\1\DATA\021909\B55311.D

Vial: 8

Acq On : 19 Feb 2009 8:14

Operator: TWK-SOP525r12

Sample : VL090219-2CCS

Inst : CSS Instr

Misc : 5mL heated water CCV/LCS

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Feb 19 9:04 2009

Quant Results File: 020509S.RES

Quant Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)

Title : GC/MS Volatiles (S.O.P. 525)

Last Update : Tue Feb 17 05:29:18 2009

Response via : Initial Calibration

DataAcq Meth : 020509S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	10.09	96	1684809	50.00	ppb	-0.03
53) chlorobenzene-d5	12.79	117	1214409	50.00	ppb	-0.02
74) 1,4-dichlorobenzene-d4	14.55	152	466861	50.00	ppb	-0.03

System Monitoring Compounds

34) dibromofluoromethane	9.25	113	438805	43.06	ppb	-0.03
Spiked Amount	50.000	Range	79 - 120	Recovery	=	86.12%
39) 1,2-dichloroethane-d4	9.82	65	349236	40.78	ppb	-0.03
Spiked Amount	50.000	Range	62 - 139	Recovery	=	81.56%
54) toluene-d8	11.50	100	977006	44.57	ppb	-0.02
Spiked Amount	50.000	Range	83 - 120	Recovery	=	89.14%
73) 4-bromofluorobenzene	13.69	174	393679	51.74	ppb	-0.02
Spiked Amount	50.000	Range	74 - 123	Recovery	=	103.48%

Target Compounds

						Qvalue
2) dichlorodifluoromethane	4.39	85	601196	58.78	ppb	100
3) chloromethane	4.73	50	953887	49.84	ppb	99
4) vinyl chloride	4.90	62	740693	53.09	ppb	97
5) bromomethane	5.45	96	360452	48.94	ppb	100
6) chloroethane	5.64	64	416309	46.59	ppb	99
7) trichlorofluoromethane	5.87	101	602333	45.47	ppb	97
8) ethanol	6.34	45	154601	1266.65	ppb	97
9) acrolein	6.96	56	2152356	509.35	ppb	100
10) 1,1,2-trichloro-1,2,2-trif	6.59	101	454653	45.56	ppb	96
11) 1,1-dichloroethene	6.56	96	440223	46.54	ppb	98
12) acetone	7.29	58	162777	224.35	ppb	93
13) iodomethane	6.80	142	799655	46.38	ppb	98
14) carbon disulfide	6.67	76	1796004	50.72	ppb	99
15) allyl chloride	7.14	76	321940	51.65	ppb	93
16) acetonitrile	7.87	41	663899	572.20	ppb	98
17) methylene chloride	7.27	84	514679	44.05	ppb	99
18) tert-butanol	7.56	59	278749	242.73	ppb	92
19) methyl-t-butyl-ether	7.55	73	2329884	93.41	ppb	100
20) trans-1,2-dichloroethene	7.47	96	526359	47.46	ppb	95
21) acrylonitrile	8.23	53	3834370	518.40	ppb	98
22) isopropyl ether	7.94	45	2285862	52.98	ppb	100
23) vinyl acetate	8.39	43	831247	58.48	ppb	100
24) 1,1-dichloroethane	8.20	63	1001899	50.15	ppb	99
25) chloroprene	8.16	53	898291	52.90	ppb	99
26) 2-butanone	9.36	43	1049517	233.76	ppb	99
27) ethyl tert-butyl ether	8.38	59	1686015	48.84	ppb	100
28) 2,2-dichloropropane	8.95	77	651538	46.93	ppb	99
29) cis-1,2-dichloroethene	8.80	96	569526	47.79	ppb	98
30) propionitrile	9.69	54	740839	606.14	ppb	95
31) methacrylonitrile	9.72	41	981989	60.85	ppb	99
32) bromochloromethane	9.03	128	263599	46.89	ppb	99
33) chloroform	9.06	83	907715	47.35	ppb	99
35) 1,1,1-trichloroethane	9.34	97	682436	45.50	ppb	100
36) carbon tetrachloride	9.28	117	576929	43.57	ppb	99
37) 1,1-dichloropropene	9.45	75	707484	50.35	ppb	99
38) isobutyl alcohol	9.72	43	1130205	1174.56	ppb	99
40) tert-amyl methyl ether	9.75	73	1324117	48.38	ppb	100
41) benzene	9.71	78	2074275	49.86	ppb	99
42) 1,2-dichloroethane	9.89	62	542046	45.84	ppb	98
43) trichloroethene	10.25	95	514646	47.85	ppb	97

(#)=qualifier out of range (m)=manual integration

B55311.D 020509S.M

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Page 1

Data File : C:\HPCHEM\1\DATA\021909\B55311.D

Vial: 8

Acq On : 19 Feb 2009 8:14

Operator: TWK-SOP525r12

Sample : VL090219-2CCS

Inst : CSS Instr

Misc : 5mL heated water CCV/LCS

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Feb 19 9:04 2009

Quant Results File: 020509S.RES

Quant Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)

Title : GC/MS Volatiles (S.O.P. 525)

Last Update : Tue Feb 17 05:29:18 2009

Response via : Initial Calibration

DataAcq Meth : 020509S

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44) 1,2-dichloropropane	10.75	63	582664	51.38	ppb	99
45) methyl methacrylate	10.83	69	341517	54.80	ppb	95
46) 1,4-dioxane	10.93	88	102635	1327.40	ppb	92
47) dibromomethane	10.66	93	320391	48.74	ppb	96
48) bromodichloromethane	10.76	83	680353	46.46	ppb	100
49) 2-chloroethyl vinyl ether	11.21	63	281327	58.07	ppb	100
51) cis-1,3-dichloropropene	11.32	75	856793	49.28	ppb	97
52) 4-methyl-2-pentanone	11.80	43	2216143	224.77	ppb	98
55) toluene	11.54	91	1884817	47.21	ppb	99
56) ethyl methacrylate	11.92	69	661357	51.89	ppb	99
57) trans-1,3-dichloropropene	11.85	75	710080	47.29	ppb	94
58) 1,1,2-trichloroethane	12.00	83	355370	48.31	ppb	100
59) tetrachloroethene	11.89	164	331172	47.41	ppb	96
60) 2-hexanone	12.47	43	1570168	223.35	ppb	99
61) 1,3-dichloropropane	12.25	76	698789	48.43	ppb	100
62) dibromochloromethane	12.18	129	447074	44.75	ppb	97
63) 1,2-dibromoethane	12.40	107	427271	46.99	ppb	100
64) 1-chlorohexane	12.72	91	818330	53.41	ppb	99
65) chlorobenzene	12.80	112	1187740	46.63	ppb	92
66) ethylbenzene	12.78	91	2070756	47.48	ppb	99
67) 1,1,1,2-tetrachloroethane	12.84	131	399886	42.78	ppb	99
68) m,p-xylene	12.89	106	1553981	95.30	ppb	99
69) o-xylene	13.23	106	760257	46.59	ppb	97
70) styrene	13.26	104	1354180	46.15	ppb	99
71) bromoform	13.33	173	284218	46.95	ppb	100
72) isopropylbenzene	13.45	105	1886511	46.39	ppb	100
75) 1,1,2,2-tetrachloroethane	13.79	83	531363	48.44	ppb	98
76) n-propylbenzene	13.75	91	2547824	48.49	ppb	95
77) trans-1,4-dichloro-2-buten	13.93	53	134962	48.57	ppb	97
78) 1,2,3-trichloropropane	13.93	110	139088	45.64	ppb	70
79) bromobenzene	13.80	156	451837	47.62	ppb	88
80) 1,3,5-trimethylbenzene	13.88	105	1562708	47.16	ppb	100
81) 2-chlorotoluene	13.92	126	455242	46.89	ppb	97
82) 4-chlorotoluene	14.04	126	445435	46.95	ppb	97
83) tert-butylbenzene	14.15	134	301751	46.55	ppb	96
84) 1,2,4-trimethylbenzene	14.19	105	1486310	47.23	ppb	99
85) sec-butylbenzene	14.28	105	2162511	47.93	ppb	96
86) p-isopropyltoluene	14.36	119	1665216	47.38	ppb	99
87) 1,3-dichlorobenzene	14.50	146	803278	47.59	ppb	96
88) 1,4-dichlorobenzene	14.57	146	801771	48.46	ppb	99
89) n-butylbenzene	14.70	91	1710504	50.92	ppb	100
90) 1,2-dichlorobenzene	14.93	146	724287	47.65	ppb	98
91) hexachloroethane	14.92	201	243529	51.28	ppb	98
92) 1,2-dibromo-3-chloropropan	15.61	157	80558	47.54	ppb	96
93) 1,2,4-trichlorobenzene	16.25	180	433129	50.41	ppb	96
94) hexachlorobutadiene	16.16	225	242841	47.61	ppb	98
95) naphthalene	16.60	128	982047	50.46	ppb	100
96) 1,2,3-trichlorobenzene	16.82	180	379887	51.58	ppb	98

(#) = qualifier out of range (m) = manual integration

B55311.D 020509S.M

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Page 2



Data File : C:\HPCHEM\1\DATA\021909\B55310.D

Vial: 7

Acq On : 19 Feb 2009 7:52

Operator: TWK-SOP525r12

Sample : VL090219-2LCSD

Inst : CSS Instr

Misc : 5mL heated water

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Feb 19 9:04 2009

Quant Results File: 020509S.RES

Quant Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)

Title : GC/MS Volatiles (S.O.P. 525)

Last Update : Tue Feb 17 05:29:18 2009

Response via : Initial Calibration

DataAcq Meth : 020509S

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorobenzene	10.09	96	1580645	50.00	ppb	-0.03
53) chlorobenzene-d5	12.78	117	1106122	50.00	ppb	-0.02
74) 1,4-dichlorobenzene-d4	14.56	152	453206	50.00	ppb	-0.02

System Monitoring Compounds

34) dibromofluoromethane	9.25	113	412567	43.16	ppb	-0.03
Spiked Amount	50.000	Range	79 - 120	Recovery	=	86.32%
39) 1,2-dichloroethane-d4	9.82	65	329073	40.96	ppb	-0.03
Spiked Amount	50.000	Range	62 - 139	Recovery	=	81.92%
54) toluene-d8	11.49	100	898198	44.99	ppb	-0.02
Spiked Amount	50.000	Range	83 - 120	Recovery	=	89.98%
73) 4-bromofluorobenzene	13.70	174	373720	53.93	ppb	-0.01
Spiked Amount	50.000	Range	74 - 123	Recovery	=	107.86%

Target Compounds

						Qvalue
2) dichlorodifluoromethane	4.38	85	612488	63.83	ppb	97
3) chloromethane	4.73	50	975930	54.35	ppb	100
4) vinyl chloride	4.90	62	759132	58.00	ppb	96
5) bromomethane	5.45	96	362548	53.54	ppb	98
6) chloroethane	5.63	64	406092	48.44	ppb	97
7) trichlorofluoromethane	5.86	101	588137	47.32	ppb	100
8) ethanol	6.32	45	133141	1162.71	ppb	99
9) acrolein	6.95	56	1962015	494.91	ppb	100
10) 1,1,2-trichloro-1,2,2-trif	6.58	101	438580	46.85	ppb	95
11) 1,1-dichloroethene	6.56	96	432880	48.78	ppb	96
12) acetone	7.29	58	141544	206.96	ppb	99
13) iodomethane	6.79	142	763997	47.24	ppb	99
14) carbon disulfide	6.67	76	1788158	53.83	ppb	99
15) allyl chloride	7.13	76	286663	49.02	ppb	94
16) acetonitrile	7.87	41	541186	497.18	ppb	92
17) methylene chloride	7.27	84	483954	44.16	ppb	98
18) tert-butanol	7.56	59	243763	224.39	ppb	87
19) methyl-t-butyl-ether	7.55	73	2089325	89.29	ppb	100
20) trans-1,2-dichloroethene	7.47	96	489762	47.07	ppb	97
21) acrylonitrile	8.23	53	3539671	510.09	ppb	100
22) isopropyl ether	7.94	45	2063477	50.98	ppb	100
23) vinyl acetate	8.38	43	723415	54.25	ppb	97
24) 1,1-dichloroethane	8.19	63	938636	50.08	ppb	99
25) chloroprene	8.16	53	789702	49.57	ppb	99
26) 2-butanone	9.36	43	904227	214.67	ppb	99
27) ethyl tert-butyl ether	8.37	59	1517070	46.84	ppb	100
28) 2,2-dichloropropane	8.94	77	650949	49.98	ppb	99
29) cis-1,2-dichloroethene	8.80	96	526250	47.07	ppb	100
30) propionitrile	9.69	54	589340	513.96	ppb	# 74
31) methacrylonitrile	9.71	41	791089	52.25	ppb	90
32) bromochloromethane	9.02	128	241219	45.73	ppb	99
33) chloroform	9.05	83	846053	47.05	ppb	99
35) 1,1,1-trichloroethane	9.35	97	655848	46.61	ppb	99
36) carbon tetrachloride	9.28	117	577041	46.45	ppb	99
37) 1,1-dichloropropene	9.45	75	663540	50.33	ppb	99
38) isobutyl alcohol	9.71	43	928611	1028.65	ppb	98
40) tert-amyl methyl ether	9.74	73	1194850	46.53	ppb	99
41) benzene	9.71	78	1905889	48.83	ppb	97
42) 1,2-dichloroethane	9.89	62	490537	44.22	ppb	98
43) trichloroethene	10.25	95	485818	48.14	ppb	99

(#) = qualifier out of range (m) = manual integration

B55310.D 020509S.M

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4m3
2/20/09

Page 1

Data File : C:\HPCHEM\1\DATA\021909\B55310.D

Vial: 7

Acq On : 19 Feb 2009 7:52

Operator: TWK-SOP525r12

Sample : VL090219-2LCSD

Inst : CSS Instr

Misc : 5mL heated water

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Feb 19 9:04 2009

Quant Results File: 020509S.RES

Quant Method : C:\HPCHEM\1\METHODS\020509S.M (RTE Integrator)

Title : GC/MS Volatiles (S.O.P. 525)

Last Update : Tue Feb 17 05:29:18 2009

Response via : Initial Calibration

DataAcq Meth : 020509S

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
44) 1,2-dichloropropane	10.75	63	527720	49.60	ppb	99
45) methyl methacrylate	10.83	69	270457	46.26	ppb	94
46) 1,4-dioxane	10.93	88	79361	1094.03	ppb	95
47) dibromomethane	10.66	93	276620	44.85	ppb	95
48) bromodichloromethane	10.77	83	625125	45.50	ppb	100
49) 2-chloroethyl vinyl ether	11.21	63	239903	52.78	ppb	99
51) cis-1,3-dichloropropene	11.32	75	778328	47.72	ppb	97
52) 4-methyl-2-pentanone	11.80	43	1894641	204.82	ppb	97
55) toluene	11.54	91	1731835	47.63	ppb	100
56) ethyl methacrylate	11.92	69	528749	45.54	ppb	99
57) trans-1,3-dichloropropene	11.85	75	639177	46.74	ppb	95
58) 1,1,2-trichloroethane	12.00	83	310227	46.30	ppb	98
59) tetrachloroethene	11.89	164	314571	49.44	ppb	97
60) 2-hexanone	12.48	43	1327196	207.27	ppb	95
61) 1,3-dichloropropane	12.24	76	618591	47.07	ppb	99
62) dibromochloromethane	12.17	129	395015	43.41	ppb	98
63) 1,2-dibromoethane	12.41	107	374772	45.25	ppb	99
64) 1-chlorohexane	12.72	91	690769	49.50	ppb	99
65) chlorobenzene	12.80	112	1082547	46.66	ppb	98
66) ethylbenzene	12.78	91	1897815	47.78	ppb	100
67) 1,1,1,2-tetrachloroethane	12.83	131	363563	42.70	ppb	99
68) m,p-xylene	12.88	106	1414544	95.24	ppb	99
69) o-xylene	13.23	106	701129	47.17	ppb	100
70) styrene	13.27	104	1237769	46.31	ppb	98
71) bromoform	13.33	173	245325	44.49	ppb	98
72) isopropylbenzene	13.45	105	1754639	47.38	ppb	98
75) 1,1,2,2-tetrachloroethane	13.80	83	470835	44.21	ppb	98
76) n-propylbenzene	13.76	91	2330634	45.70	ppb	98
77) trans-1,4-dichloro-2-buten	13.93	53	110231	40.87	ppb	96
78) 1,2,3-trichloropropane	13.94	110	122602	41.44	ppb	98
79) bromobenzene	13.81	156	409378	44.45	ppb	80
80) 1,3,5-trimethylbenzene	13.88	105	1427935	44.39	ppb	99
81) 2-chlorotoluene	13.92	126	415061	44.04	ppb	96
82) 4-chlorotoluene	14.04	126	406949	44.19	ppb	93
83) tert-butylbenzene	14.14	134	273956	43.53	ppb	96
84) 1,2,4-trimethylbenzene	14.19	105	1374459	44.99	ppb	97
85) sec-butylbenzene	14.28	105	1962973	44.82	ppb	98
86) p-isopropyltoluene	14.37	119	1519227	44.53	ppb	96
87) 1,3-dichlorobenzene	14.51	146	735731	44.90	ppb	98
88) 1,4-dichlorobenzene	14.57	146	735172	45.77	ppb	96
89) n-butylbenzene	14.71	91	1521035	46.64	ppb	98
90) 1,2-dichlorobenzene	14.92	146	662460	44.90	ppb	98
91) hexachloroethane	14.92	201	204386	44.33	ppb	98
92) 1,2-dibromo-3-chloropropan	15.60	157	70854	43.08	ppb	97
93) 1,2,4-trichlorobenzene	16.24	180	405923	48.67	ppb	98
94) hexachlorobutadiene	16.16	225	196463	39.68	ppb	99
95) naphthalene	16.61	128	878646	46.51	ppb	100
96) 1,2,3-trichlorobenzene	16.81	180	338582	47.36	ppb	99

(#) = qualifier out of range (m) = manual integration

B55310.D 020509S.M

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ALS Paragon



Dissolved Gasses Case Narrative

URS

Williams-Rio Blanca -- 22240417.00001

Work Order Number: 0902111

1. This report consists of 1 water sample. The sample was received cool and intact by ALS Paragon on 02/13/09. The sample was free of headspace prior to analysis. The sample had a pH > 2 at the time of analysis.
2. The sample was prepared and analyzed according to method RSK-175 procedures and SOP449R0.
3. The preparation batch included a method blank, laboratory control sample, laboratory control sample duplicate, and matrix spike. Per method requirements, a sample duplicate was also performed for this analysis. Since the sample duplicate was not performed on a sample from this order number, the results are not included in this report. The following is the sample used for the matrix QC:

Sample ID	QC Type	Batch ID
0902111-1	MS	HC090225-1

Similarity of matrix and therefore relevance of the QC results should not be automatically inferred for any sample other than the native sample selected for QC.

4. A matrix spike recovery could not be accurately evaluated for methane for sample 0902111-1. The concentration of methane in the native sample was greater than four times that of the spike added. No control limits are applied in this case because the allowed variability in the percent recovery of the sample exceeds the concentration of the spike added and the spike recovery may not be accurate. The laboratory control samples indicate that the preparation and analysis were in control.

All remaining preparation QC were within the acceptance criteria.

5. All samples are associated with one or more of the following analytical QC: initial calibrations, initial calibration verifications (ICV), and continuing calibration verifications (CCV).
6. All analytical QC were within the acceptance criteria.



7. Sample dilutions were not required for the requested analysis.
8. The sample was prepared and analyzed within the established holding times.
9. Manual integrations are performed when needed to provide consistent and defensible data following the guidelines in SOP 939 Revision 3. Whenever manual integrations are performed, before and after chromatograms of the peak that was manually integrated are included in the report along with the reason re-integration was necessary.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS Paragon certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Emily Knodel
Emily Knodel
Organics Primary Data Reviewer

02-27-09
Date

Dan Sheneman
Organics Final Data Reviewer

2-27-09
Date

***ALS Paragon
Data Qualifier Flags
Chromatography and Mass Spectrometry***

- U or ND:** This flag indicates that the compound was analyzed for but not detected.
- J:** This flag indicates an estimated value. This flag is used as follows: (1) when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed; (2) when the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the reporting limit (RL) but greater than the method detection limit (MDL); (3) when the retention time data indicate the presence of a compound that meets the GC identification criteria, and the result is less than the RL but greater than the MDL; and (4) the reported value is estimated.
- B:** This flag is used when the analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user. This flag shall be used for a tentatively identified compound (TIC) as well as for a positively identified target compound.
- E:** This flag identifies compounds whose concentration exceeds the upper level of the calibration range.
- A:** This flag indicates that a tentatively identified compound is a suspected aldol-condensation product.
- X:** This flag indicates that the analyte was diluted below an accurate quantitation level.
- *:** This flag indicates that a spike recovery is equal to or outside the control criteria used.
- +**: This flag indicates that the relative percent difference (RPD) equals or exceeds the control criteria.

ALS Paragon

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0902111

Client Name: URS

Client Project Name: Williams-Rio Blanca

Client Project Number: 22240417.00001

Client PO Number: Williams 2008

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
FE-RG-11-7-397-PW-GPTF	0902111-1		WATER	12-Feb-09	12:15
Trip Blank 011309	0902111-2		WATER	12-Feb-09	



C: Documents and Settings\david_stack\My Documents\Mike Mestas\Computer Contents\Labels\Generic Paragon Water COC.doc 2/11/09 2:16 PM

CONDITION OF SAMPLE UPON RECEIPT FORM

Paragon Analytics

Client: URSWorkorder No: 0902111Project Manager: AWInitials: LJO Date: 2/13/09

1. Does this project require any special handling in addition to standard Paragon procedures?	YES	<u>NO</u>
2. Are custody seals on shipping containers intact?	NONE	<u>YES</u> NO
3. Are Custody seals on sample containers intact?	<u>NONE</u>	YES NO
4. Is there a COC (Chain-of-Custody) present or other representative documents?	<u>YES</u>	NO
5. Are the COC and bottle labels complete and legible ?	<u>YES</u>	NO
6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)	<u>YES</u>	NO
7. Were airbills / shipping documents present and/or removable?	DROP OFF	<u>YES</u> NO
8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles)	N/A	YES <u>NO</u>
9. Are all aqueous non-preserved samples pH 4-9 ?	N/A	<u>YES</u> NO
10. Is there sufficient sample for the requested analyses?	<u>YES</u>	NO
11. Were all samples placed in the proper containers for the requested analyses?	<u>YES</u>	NO
12. Are all samples within holding times for the requested analyses?	<u>YES</u>	NO
13. Were all sample containers received intact ? (not broken or leaking, etc.)	<u>YES</u>	NO
14. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: <u> </u> < green pea <u> </u> > green pea	N/A	YES <u>NO</u>
15. Do perchlorate LCMS-MS samples have headspace? (at least 1/3 of container required)	<u>N/A</u>	YES NO
16. Were samples checked for and free from the presence of residual chlorine ? (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	<u>N/A</u>	YES NO
17. Were the samples shipped on ice ?	<u>YES</u>	NO
18. Were cooler temperatures measured at 0.1-6.0°C?	IR gun used*: <u>#2</u> #4	RAD ONLY <u>YES</u> NO
Cooler #: <u>1</u>		
Temperature (°C): <u>3.8</u>		
No. of custody seals on cooler: <u>1</u>		
External µR/hr reading: <u>12</u>		
Background µR/hr reading: <u>12</u>		
Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? <u>YES</u> / NO / NA (If no, see Form 008.)		

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND #16.

- ★ Sample #1 (FE-RG-11-7-397-PW-GPTF) the 1L poly for metals analysis was received at pH 5.0. 20 ml HNO₃ (G17027-Lot#) was added at 1200 on 2/13/09 by LJO for a final pH < 2.
- Sample #1 (FE-RG-11-7-397-PW-GPTF) 2 of 3 40ml VOC vial contain headspace > pea.
 ↓ ↓ ↓ 3 of 3 ↓ GRO ↓ ↓ ↓ > pea.
- Sample #1 - time on bottles: 12:15

If applicable, was the client contacted? YES / NO / NA Contact: Sheri O'Connor Date/Time: c-mail 2/13/09Project Manager Signature / Date: [Signature] 2/13/09

*IR Gun #2: Oakton, SN 29922500201-0066

*IR Gun #4: Oakton, SN 2372220101-0002

1 From This portion can be removed for Recipient's records.

Date 2/12/01 FedEx Tracking Number 867568922148

Sender's Name DAVID SLACK Phone 970 284-4741

Company URS CORP

Address 113 COOPER AVE STE 100

City CLEVELAND State OH ZIP 44114-3423

2 Your Internal Billing Reference 22240417.54210.00001

3 To Recipient's Name DEB FAZIO Phone 970 950-1311

Company PANASONIC AMERICA

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☐ **Payment Bill to:**

☐ **Sender** ☐ **Recipient** ☐ **Third Party** ☐ **Credit Card** ☐ **Cash/Check**

☐ **Obtain Receipt** ☐ **Acct. No.**

☐ **Total Packages** ☐ **Total Weight**

☐ **Declared value limit \$500**

☐ **Cargo Aircraft Only**

☐ **Dry Ice** ☐ **Dry Ice, 3 UN 1845**

☐ **Shipment's Declaration**

☐ **Shipment's Declaration**

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Analytical Results

Dissolved Gasses

Method RSK175

Method Blank

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: HC090225-1MB

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 25-Feb-09

Date Analyzed: 25-Feb-09

Prep Method: METHOD

Prep Batch: HC090225-1

QCBatchID: HC090225-1-2

Run ID: HC090225-1A

Cleanup: NONE

Basis: N/A

File Name: 00981.dat

Sample Aliquot: 38.5 ml

Final Volume: 38.5 ml

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
74-82-8	METHANE	1	1	1	U	

Data Package ID: HC0902111-1

Date Printed: Friday, February 27, 2009

ALS Paragon

LIMS Version: 6.248A

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Dissolved Gasses

Method RSK175

Sample Results

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-11-7-397-PW-GPTF
Lab ID: 0902111-1

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 12-Feb-09

Date Extracted: 25-Feb-09

Date Analyzed: 25-Feb-09

Prep Method: METHOD

Prep Batch: HC090225-1

QCBatchID: HC090225-1-2

Run ID: HC090225-1A

Cleanup: NONE

Basis: As Received

File Name: 00985.dat

Sample Aliquot: 38.5 ml

Final Volume: 38.5 ml

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
74-82-8	METHANE	1	2400	1		

Data Package ID: HC0902111-1

Date Printed: Friday, February 27, 2009

ALS Paragon

LIMS Version: 6.248A

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Supporting QA/QC Data

Dissolved Gasses

Method RSK175

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Lab ID: HC090225-1LCS

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 02/25/2009

Date Analyzed: 02/25/2009

Prep Method: METHOD

Prep Batch: HC090225-1

QCBatchID: HC090225-1-2

Run ID: HC090225-1A

Cleanup: NONE

Basis: N/A

File Name: 00980.dat

Sample Aliquot: 38.5 ml

Final Volume: 38.5 ml

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
74-82-8	METHANE	140	120	1		85	80 - 120%

Lab ID: HC090225-1LCSD

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 02/25/2009

Date Analyzed: 02/25/2009

Prep Method: METHOD

Prep Batch: HC090225-1

QCBatchID: HC090225-1-2

Run ID: HC090225-1A

Cleanup: NONE

Basis: N/A

File Name: 00987.dat

Sample Aliquot: 38.5 ml

Final Volume: 38.5 ml

Result Units: UG/L

Clean DF: 1

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	Result Qualifier	LCSD % Rec.	RPD Limit	RPD
74-82-8	METHANE	140	115	1		82	25	4

Data Package ID: HC0902111-1

Date Printed: Friday, February 27, 2009

ALS Paragon

LIMS Version: 6.248A

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Dissolved Gasses

Method RSK175

Matrix Spike

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Field ID: FE-RG-11-7-397-PW-GP

LabID: 0902111-1MS

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 12-Feb-09

Date Extracted: 25-Feb-09

Date Analyzed: 25-Feb-09

Prep Batch: HC090225-1

QC BatchID: HC090225-1-2

Run ID: HC090225-1A

Cleanup: NONE

Basis: As Received

Sample Aliquot: 38.5 ml

Final Volume: 38.5 ml

Result Units: UG/L

File Name: 00986.dat

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
74-82-8	METHANE	2400		2720	*	1	14	2609	70 - 130%

Data Package ID: HC0902111-1

Date Printed: Friday, February 27, 2009

ALS Paragon

LIMS Version: 6.248A

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Prep Batch ID: HC090225-1

Start Date: 02/25/09

End Date: 02/25/09

Concentration Method: NONE

Batch Created By: dms

Start Time: 12:00

End Time: 13:00

Extract Method: METHOD

Date Created: 02/25/09

Prep Analyst: Dan Sheneman

Initial Volume Units: ml

Time Created: 14:05

Comments:

Final Volume Units: ml

Validated By: dms

Date Validated: 02/26/09

Time Validated: 16:29

QC Batch ID: HC090225-1-2

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
HC090225-1	MB	XXXXXX	WATER	XXXXXX	38.5	38.5	NONE	1	0902200
HC090225-1	LCS	XXXXXX	WATER	XXXXXX	38.5	38.5	NONE	1	0902200
HC090225-1	LCSD	XXXXXX	WATER	XXXXXX	38.5	38.5	NONE	1	0902200
0902111-1	MS	FE-RG-11-7-397-PW-	WATER	2/12/2009	38.5	38.5	NONE	1	0902111
0902200-1	DUP	XXXXXX	WATER	XXXXXX	38.5	38.5	NONE	1	0902200
0902111-1	SMP	FE-RG-11-7-397-PW-	WATER	2/12/2009	38.5	38.5	NONE	1	0902111
0902200-1	SMP	XXXXXX	WATER	XXXXXX	38.5	38.5	NONE	1	0902200

QC Types

CAR	Carrier reference sample	DUP	Laboratory Duplicate
LCS	Laboratory Control Sample	LCSD	Laboratory Control Sample Duplicat
MB	Method Blank	MS	Laboratory Matrix Spike
MSD	Laboratory Matrix Spike Duplicate	REP	Sample replicate
SMP	Field Sample	SYS	Sample Yield Spike

Calibration Report

Page 1 of 2

Sequence : \\gcserver\gcddata\Projects\GC9\Sequence\2008\mee041508A.seq
User : sheneman
Printed : 4/21/2008 9:45:05 AM

Instrument : GC9 (Offline)
Method Name : \\gcserver\gcddata\Projects\GC9\Method\2008\mee041508.met
Method Created : 4/15/2008 10:48:35 AM

Methane (FID 1)

Average RF: 2157.12 RF StDev: 827.791 RF %RSD: 38.3748
Scaling: None LSQ Weighting: 1/Amount Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
 $y = -0.0236158x^2 + 2040.31x + 479.565$
Goodness of fit (r^2): 0.999996 ✓

	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
Amount	0.5598	3.4989	13.9955	139.955	1259.6	12596
Area	2143	6088	23923	264184	2563261	21950488
RF	3828.15291175	1739.97542084	1709.33514343	1887.63126512	2034.98338358	1742.65821317
	42	655	896	537	746	595
Last Area						
Residual	-0.255495	0.749992	2.50381	10.5138	-15.2921	1.92666
Rep StDev						
Rep %RSD						
Rep 1 Area	2143	6088	23923	264184	2563261	21950488

Ethene (FID 1)

Average RF: 1251.52 RF StDev: 262.774 RF %RSD: 20.9964
Scaling: None LSQ Weighting: 1/Amount Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
 $y = -0.00939698x^2 + 1350.77x - 296.915$
Goodness of fit (r^2): 0.999996 ✓

	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
Amount	0.9797	6.123	24.4922	244.922	2204.3	22043
Area	1681	5883	26811	305821	2966292	25205505
RF	1715.83137695	960.803527682	1094.67503940	1248.64803731	1345.68739665	1143.47240274
	213	509	03	152	063	101
Last Area						
Residual	-0.484604	1.54774	4.42088	17.9382	-26.5502	3.41702
Rep StDev						
Rep %RSD						
Rep 1 Area	1681	5883	26811	305821	2966292	25205505

Ethane (FID 1)

Average RF: 1778.13 RF StDev: 375.166 RF %RSD: 21.0989

DS
4-21-08

Calibration Report

Page 2 of 2

Sequence : \\gcserver\gcdata\Projects\GC9\Sequence\2008\mee041508A.seq
 User : sheneman
 Printed : 4/21/2008 9:45:05 AM

Scaling: None LSQ Weighting: 1/Amount Force Through Zero: Off

Replicate Mode: Replace

Fit Type: Quadratic

$y = -0.0122508x^2 + 1943.13x - 582.244$

Goodness of fit (r^2): 0.999997

	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
Amount	1.0497	6.5604	26.2416	262.416	2361.74	23617.4
Area	2519	8464	41533	474270	4570623	39053286
RF	2399.73325712	1290.16523382	1582.71599292	1807.32051120	1935.27780365	1653.57828790
	108	721	726	339	324	927
Last Area						
Residual	-0.546319	1.90477	4.56474	17.6638	-26.7199	3.40456
Rep StDev						
Rep %RSD						
Rep 1 Area	2519	8464	41533	474270	4570623	39053286

DS
4-21-08

METHANE

Method RSK175

Calibration Verifications

Lab Name: ALS Paragon

Work Order Number: 0902111

Client Name: URS

ClientProject ID: Williams-Rio Blanca 22240417.00001

Run ID: HC090225-1A

Result Units: UG/L

Lab ID	Verification Type	Date Analyzed	Time Analyzed	Spike Added	Result	Reporting Limit	Result Qualifier	% Rec.	Control Limits
ICV	Initial Calibration	4/15/2008	15:08	140	144	1	N/A	103	80 - 120
CCV1	Continuing Calibration	2/25/2009	12:38	140	120	1	N/A	85	80 - 120
CCV2	Continuing Calibration	2/25/2009	13:12	140	115	1	N/A	82	80 - 120

Data Package ID: *HC0902111-1*

Date Printed: Friday, February 27, 2009

ALS Paragon

LIMS Version: 6.248A

Page 1 of 1

Supporting Raw Data

Dissolved Gases Sequence Log

Logbook No. / Page: 3652 / 04

ICV file #: DATA.SYSTEM

Analytical Method: RSK-175 SOP: 449 Rev. 0

000101 DS
4-24-08

Instrument: GC9

Analyst: sheneman

(1st file) Acq. Date: 4/15/2008 2:38:07 PM

(1st file) Data P... \\gcserver\gcddata\Projects\GC9\Data\2008\mee041508\000095.dat

Sequence File: \\gcserver\gcddata\Projects\GC9\Sequence\2008\mee041508A.seq

Method Path: \\gcserver\gcddata\Projects\GC9\Method\2008\mee041508.met

QC Name	Standard ID #	Spike Volume Added (uL)	Temperature =
CCV	ST080415-1	1000	22.0 C
ICS/D	ST080415-1	1000	Atmospheric Pressure = 836 mbar
MS	ST080415-1	1000	Final Sample Volume = 38.5 mL
ICV	ST080314-3	1000	Headspace Volume = 4.0 mL

Data File	Method	Sample	RR?	Comments
000095.dat	mee041508.met	MEE 4uL 1% ST080415-1	Y/N	4uL to 4.0 mL OK
000096.dat	mee041508.met	MEE 25uL 1% ST080415-1	Y/N	25uL
000097.dat	mee041508.met	MEE 100uL 1% ST080415-1	Y/N	100uL
000098.dat	mee041508.met	MEE 1000uL 1% ST080415-1	Y/N	1000uL
000099.dat	mee041508.met	MEE 300uL 1% ST080415-2 30%	Y/N	300uL
000100.dat	mee041508.met	MEE 3000uL 1% ST080415-2 30%	Y/N	3000uL to 4.0 mL
000101.dat	mee041508.met	MEE ICS 1000uL 1% ST080314-3	Y/N	15:08 GPCB command timed out PASS
000104.dat	mee041508.met	HC080415-1MB	Y/N	Data file 000102 and 000103 not acquired by EZ Chrom
000105.dat	mee041508.met	HC080415-LCSD	Y/N	
000106.dat	mee041508.met	0804118-1	Y/N	
000107.dat	mee041508.met	0804118-1DUP	Y/N	
000108.dat	mee041508.met	0804118-1MS	Y/N	Data file 000110, 000111 & 000114 not acquired by EZ Chrom
000109.dat	mee041508.met	0804118-2	Y/N	
000112.dat	mee041508.met	0804118-3 DO NOT USE*	Y/N	GPB command timed out
000113.dat	mee041508.met	0804118-4	Y/N	Bad injection/vial inject 2X, DNU
000115.dat	mee041508.met	MEE CCV 1000uL 1% ST080415-1	Y/N	Carry-over/water present Re-inject
000116.dat	mee041508.met	0804118-3 Interference present	Y/N	DS 4-24-08
000117.dat	mee041508.met	0804118-3	Y/N	
000118.dat	mee041508.met	MEE CCV 1000uL 1% ST080415-1	Y/N	17:42 OK PASS

(0804118-3) (CCV)

* file 000112 & 000115 compromised by taking more than one aliquot from vial.

will add
to SOP
DS
4-24-08

Every time an aliquot is taken the headspace concentration is compromised.

△ software does not acquire injection unless sequence has been saved.

* Vial contained a large sediment phase.
- 20-30% of vial

DS 4-24-08

Dissolved Gases (RSK175) Sequence Log

Logbook No. / Page : 36521 44

ICV file # : 101

Analytical Method : RSK-175 SOP : 449r0

Instrument : GC9

(1st file) Acq. Date : 2/25/2009 12:27:57 PM

(1st file) Data Path : \\gcserver\gcdata\Projects\GC9\Data\2009\mee090225\00978.dat

Sequence File : \\gcserver\gcdata\Projects\GC9\Sequence\2009\mee090225.seq

Acq. Method Path : \\gcserver\gcdata\Projects\GC9\Method\2008\mee041508E.met

Data Acquired By : sheneman

Data Processed By : sheneman

QC Name ST 080415-1 2-25-09
Std ID # 05
Spike Vol. Added (uL) 100 Final Std Vol. (uL) 38500
CCV (LCS) DATA.SYSTEMWID... DATA.SYSTEMWIDEPA...
MS DATA.SYSTEMWID... DATA.SYSTEMWIDEPA...
ICV DATA.SYSTEMWID... DATA.SYSTEMWIDEPA...

Temp. = 21.0 C
Atm. Pressure = 841.00 mbar
Final Sample Vol. = 38.50 mL
Headspace Vol. = 4.00 mL

ST 080314-3 2-25-09

Data File	Acq. Method	Sample	Head Space?	pH <= 2?	RR?	Comments
00978.dat	mee041508E.met	Instrument Blank	Y/N	Y/N	Y/N	<u>CRL</u>
00979.dat	mee041508E.met	CCS	Y/N	Y/N	Y/N	<u>PASS</u>
00980.dat	mee041508E.met	CCS	Y/N	Y/N	Y/N	<u>PASS</u>
00981.dat	mee041508E.met	HC090225-1MB	Y/N	Y/N	Y/N	<u>CRL</u>
00982.dat	mee041508E.met	02/13/09 Ref. Blank	Y/N	Y/N	Y/N	<u>CRL</u>
00983.dat	mee041508E.met	0902200-1	Y/N	Y/N	Y/N	
00984.dat	mee041508E.met	0902200-1DUP	Y/N	Y/N	Y/N	
00985.dat	mee041508E.met	0902111-1	Y/N	Y/N	Y/N	<u>7</u>
00986.dat	mee041508E.met	0902111-1MS	Y/N	Y/N	Y/N	
00987.dat	mee041508E.met	CCSD	Y/N	Y/N	Y/N	<u>PASS</u>

Calibration Raw Data

MEE Quantitation Report

Paragon Analytics

Sample : MEE 4uL 1% ST080415-1

Filename : \\gcserver\gcdata\Projects\GC9\Data\2008\mee041508\000095.dat

Acquisition Date : 4/15/2008 2:38:07 PM

Quantitation Date : 4/16/2008 2:22:50 PM

Last Method Update : 4/16/2008 2:22:33 PM

Method : \\gcserver\gcdata\Projects\GC9\Method\2008\mee041508.met

Sequence : \\gcserver\gcdata\Projects\GC9\Sequence\2008\mee041508A.seq

Data Description : {Data Description}

Instrument : GC9 (Offline)

Data Acquired By : sheneman

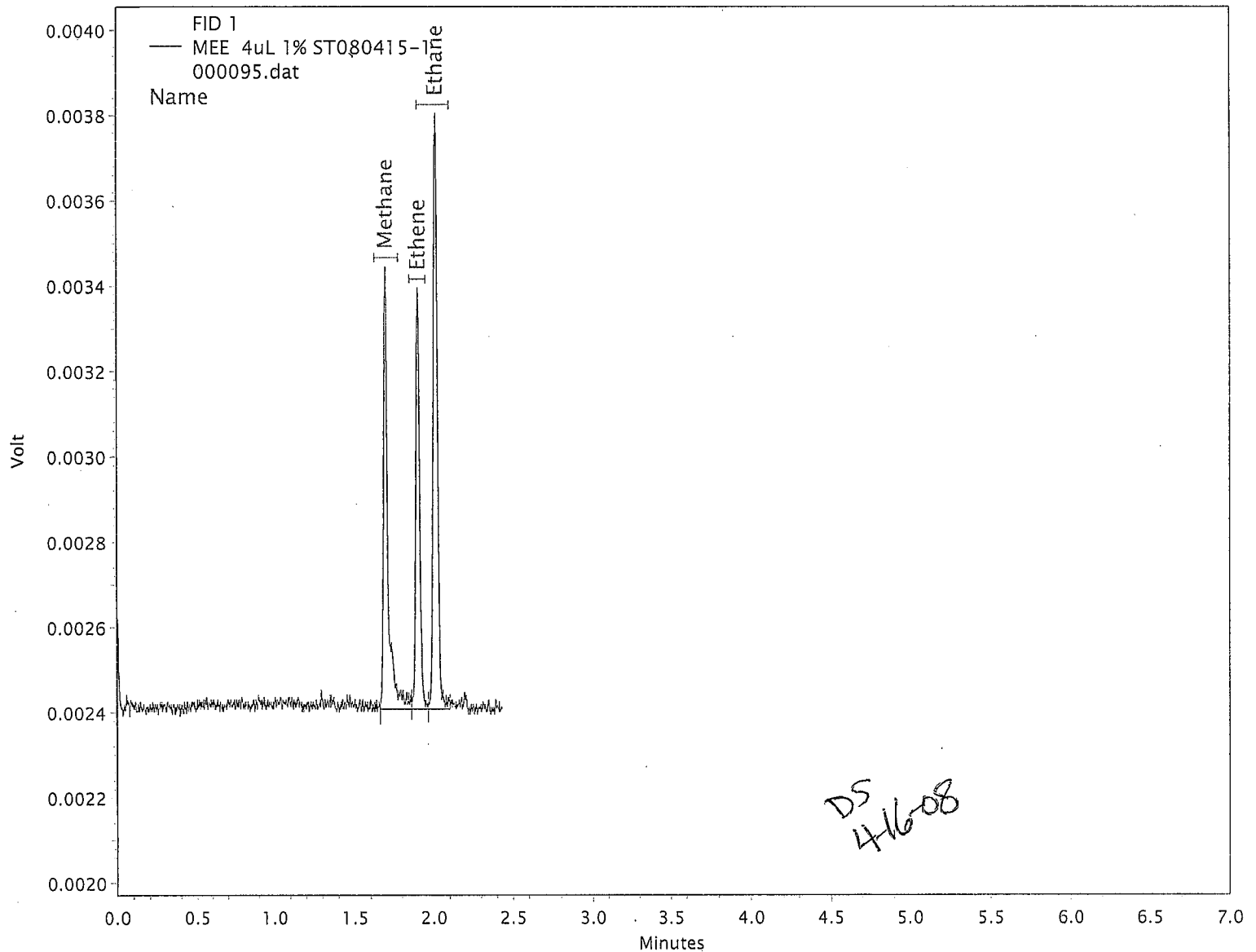
Data Processed By : sheneman

Inj. Vol. (uL) : 0

Vial : N/A

FID 1 Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Conc.	Conc. Units
Methane	1.70	1.70	2143	BV	0.82	ug/L
Ethene	1.90	1.90	1681	VV	1.46	ug/L
Ethane	2.02	2.00	2519	VB	1.60	ug/L



MEE Quantitation Report

Paragon Analytics

Sample : MEE 25uL 1% ST080415-1

Filename : \\gcserver\gcdata\Projects\GC9\Data\2008\mee041508\000096.dat

Acquisition Date : 4/15/2008 2:42:12 PM

Quantitation Date : 4/16/2008 2:13:09 PM

Last Method Update : 4/16/2008 2:10:04 PM

Method : \\gcserver\gcdata\Projects\GC9\Method\2008\mee041508.met

Sequence : \\gcserver\gcdata\Projects\GC9\Sequence\2008\mee041508A.seq

Data Description : {Data Description}

Instrument : GC9 (Offline)

Data Acquired By : sheneman

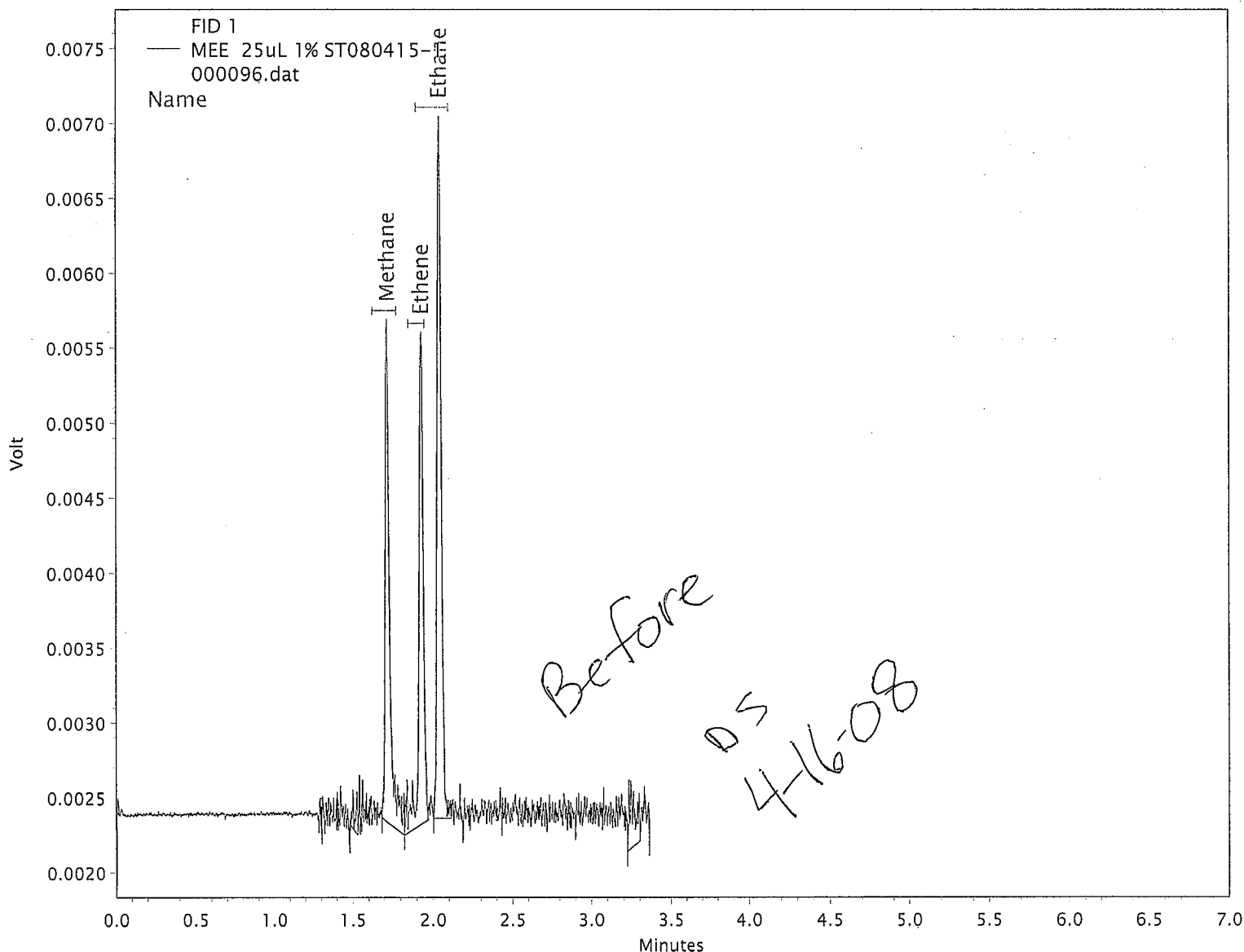
Data Processed By : sheneman

Inj. Vol. (uL) : 0

Vial : N/A

FID 1 Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Conc.	Conc. Units
Methane	1.72	1.70	6588	BB	2.96	ug/L
Ethene	1.93	1.90	6358	BB	4.88	ug/L
Ethane	2.04	2.00	8464	BB	4.66	ug/L



MEE Quantitation Report

Paragon Analytics

Sample : MEE 25uL 1% ST080415-1

Filename : \\gcserver\gcdata\Projects\GC9\Data\2008\mee041508\000096.dat

Acquisition Date : 4/15/2008 2:42:12 PM

Quantitation Date : 4/16/2008 2:23:23 PM

Last Method Update : 4/16/2008 2:22:33 PM

Method : \\gcserver\gcdata\Projects\GC9\Method\2008\mee041508.met

Sequence : \\gcserver\gcdata\Projects\GC9\Sequence\2008\mee041508A.seq

Data Description : {Data Description}

Instrument : GC9 (Offline)

Data Acquired By : sheneman

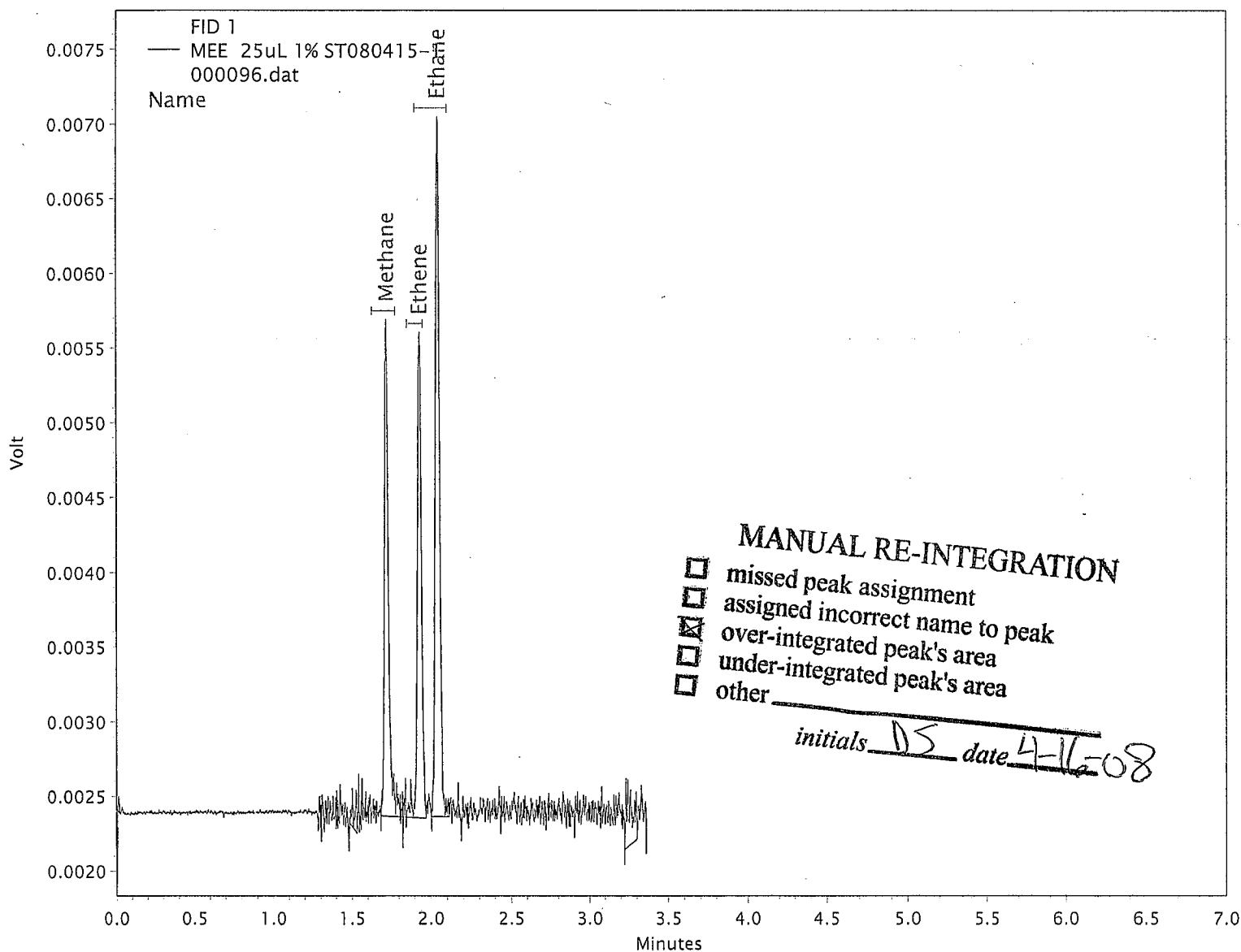
Data Processed By : sheneman

Inj. Vol. (uL) : 0

Vial : N/A

FID 1 Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Conc.	Conc. Units
Methane	1.72	1.70	6088	mm ✓	2.75	ug/L
Ethene	1.93	1.90	5883	mm ✓	4.58	ug/L
Ethane	2.04	2.00	8464	BB	4.66	ug/L



MEE Quantitation Report

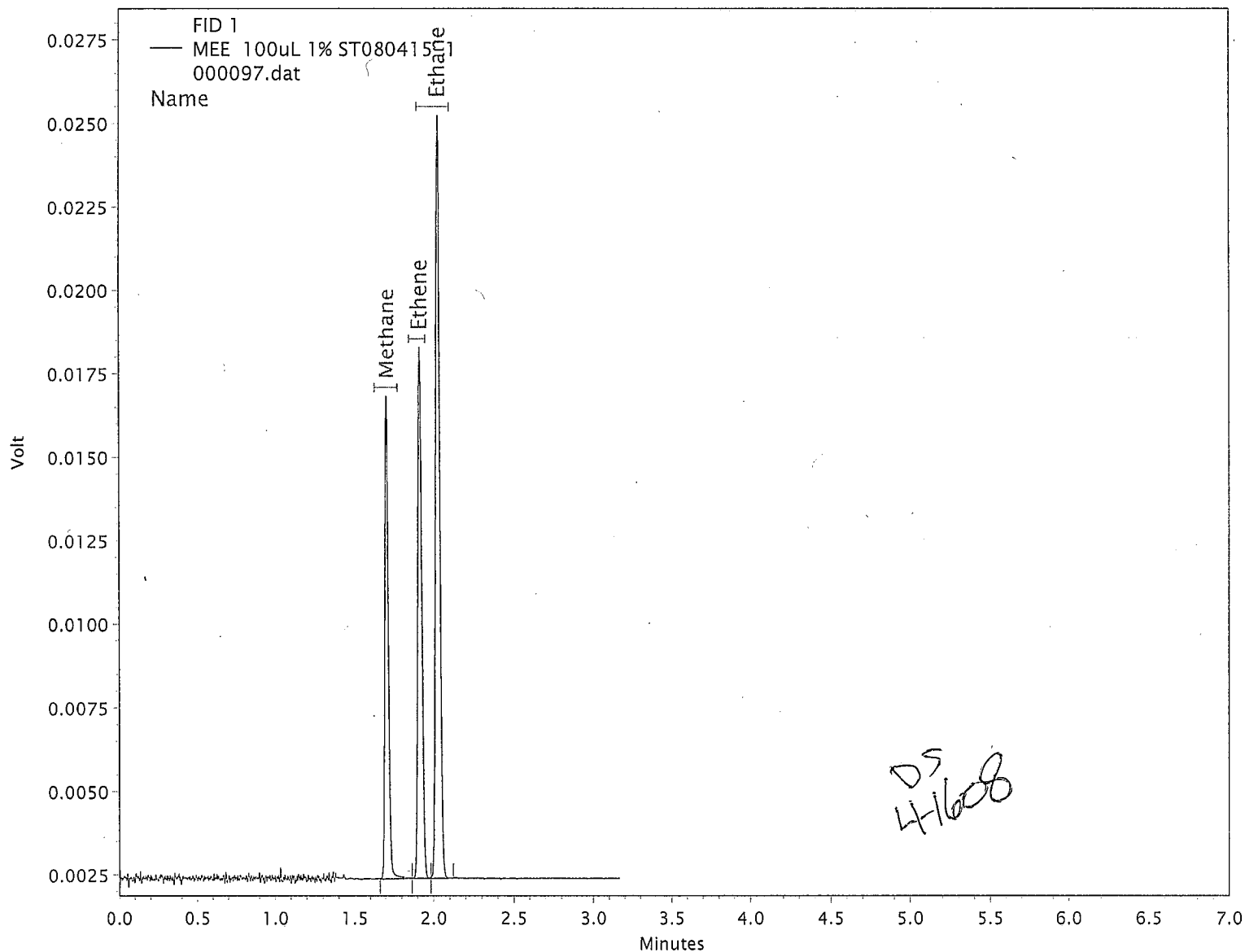
Paragon Analytics

Sample : MEE 100uL 1% ST080415-1
Filename : \\gcserver\gcdata\Projects\GC9\Data\2008\mee041508\000097.dat
Acquisition Date : 4/15/2008 2:48:26 PM
Quantitation Date : 4/16/2008 2:23:36 PM
Last Method Update : 4/16/2008 2:22:33 PM
Method : \\gcserver\gcdata\Projects\GC9\Method\2008\mee041508.met
Sequence : \\gcserver\gcdata\Projects\GC9\Sequence\2008\mee041508A.seq
Data Description : {Data Description}

Instrument : GC9 (Offline)
Data Acquired By : sheneman
Data Processed By : sheneman
Inj. Vol. (uL) : 0
Vial : N/A

FID 1 Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Conc.	Conc. Units
Methane	1.71	1.70	23923	BB	11.49	ug/L
Ethene	1.92	1.90	26811	BV	20.07	ug/L
Ethane	2.03	2.00	41533	VB	21.68	ug/L



MEE Quantitation Report

Paragon Analytics

Sample : MEE 1000uL 1% ST080415-1

Filename : \\gcserver\gcdata\Projects\GC9\Data\2008\mee041508\000098.dat

Acquisition Date : 4/15/2008 2:53:06 PM

Quantitation Date : 4/16/2008 2:23:48 PM

Last Method Update : 4/16/2008 2:22:33 PM

Method : \\gcserver\gcdata\Projects\GC9\Method\2008\mee041508.met

Sequence : \\gcserver\gcdata\Projects\GC9\Sequence\2008\mee041508A.seq

Data Description : {Data Description}

Instrument : GC9 (Offline)

Data Acquired By : sheneman

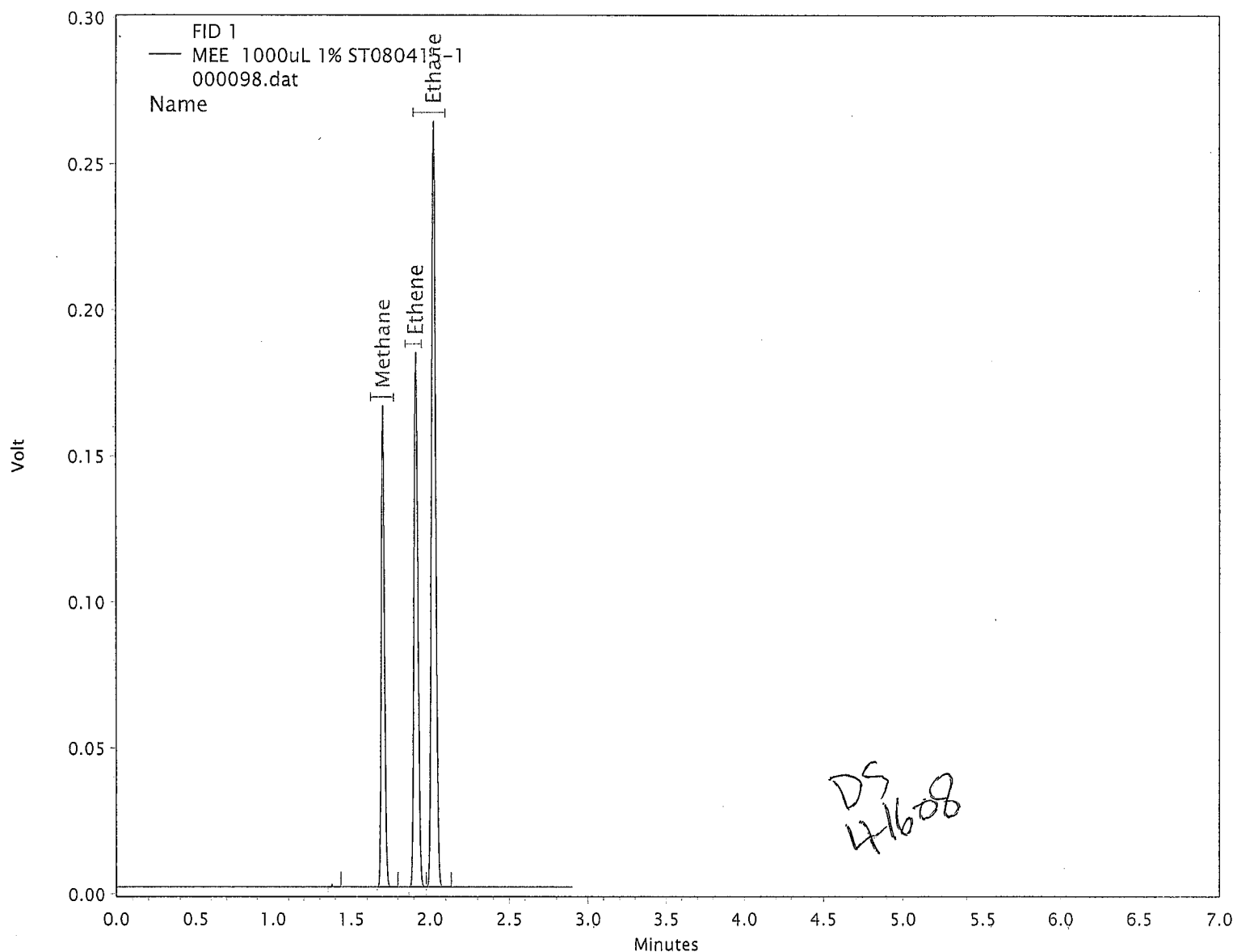
Data Processed By : sheneman

Inj. Vol. (uL) : 0

Vial : N/A

FID 1 Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Conc.	Conc. Units
Methane	1.71	1.70	264184	BB	129.44	ug/L
Ethene	1.92	1.90	305821	BB	226.98	ug/L
Ethane	2.03	2.00	474270	BR	244.75	ug/L



30% 4-3008

MEE Quantitation Report

Paragon Analytics

Sample : MEE 300uL 1% ST080415-2

Filename : \\gcserver\gcdata\Projects\GC9\Data\2008\mee041508\000099.dat

Acquisition Date : 4/15/2008 2:57:26 PM

Quantitation Date : 4/16/2008 2:24:07 PM

Last Method Update : 4/16/2008 2:22:33 PM

Method : \\gcserver\gcdata\Projects\GC9\Method\2008\mee041508.met

Sequence : \\gcserver\gcdata\Projects\GC9\Sequence\2008\mee041508A.seq

Data Description : {Data Description}

Instrument : GC9 (Offline)

Data Acquired By : sheneman

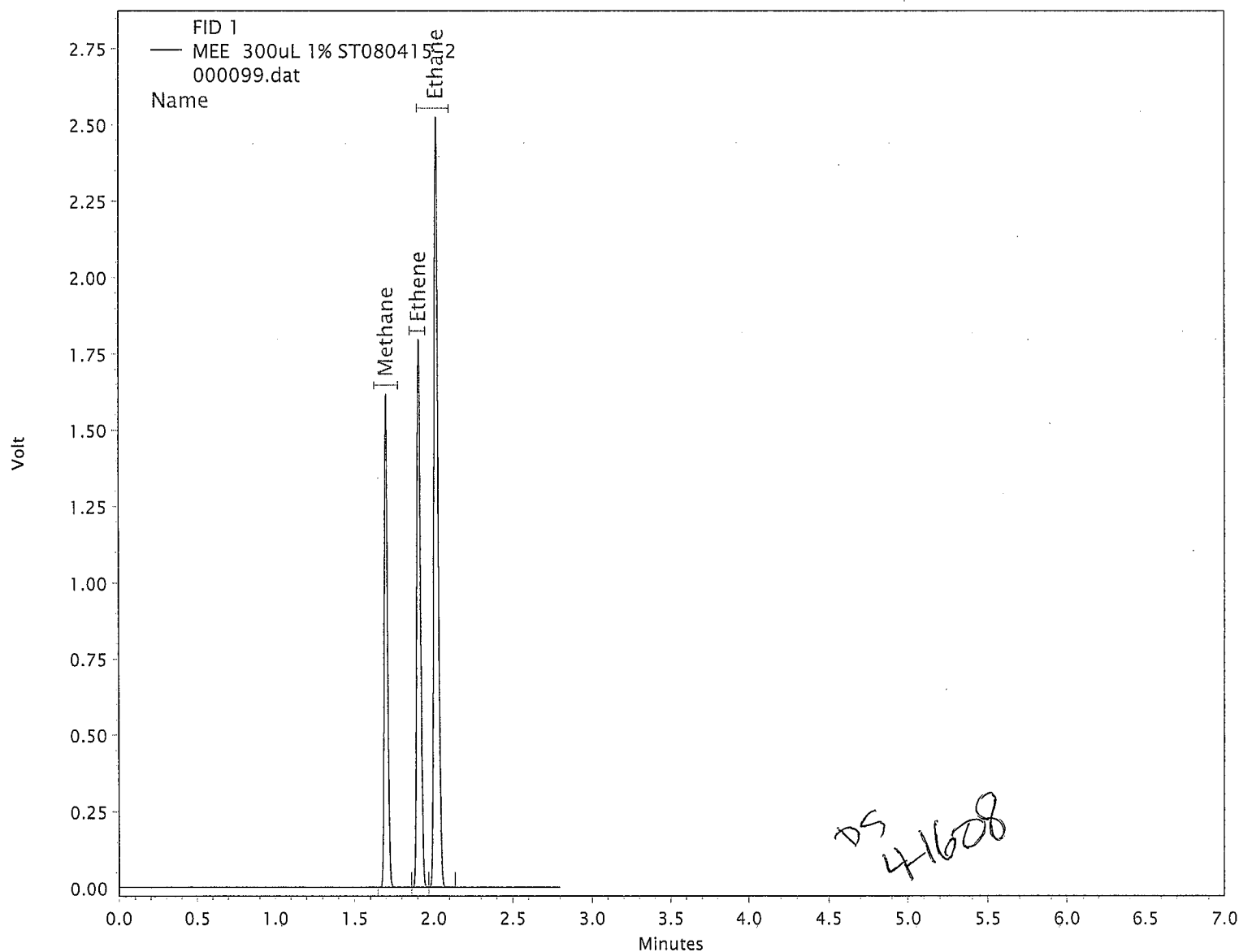
Data Processed By : sheneman

Inj. Vol. (uL) : 0

Vial : N/A

FID 1 Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Conc.	Conc. Units
Methane	1.70	1.70	2563261	BB	1274.89	ug/L
Ethene	1.91	1.90	2966292	BV	2230.85	ug/L
Ethane	2.02	2.00	4570623	VR	2388.46	ug/L



MEE Quantitation Report

Paragon Analytics

30% 4-30-08
Sample : MEE 3000uL 1% ST080415-2

Filename : \\gcserver\gcdata\Projects\GC9\Data\2008\mee041508\000100.dat

Acquisition Date : 4/15/2008 3:01:52 PM

Quantitation Date : 4/16/2008 2:24:25 PM

Last Method Update : 4/16/2008 2:22:33 PM

Method : \\gcserver\gcdata\Projects\GC9\Method\2008\mee041508.met

Sequence : \\gcserver\gcdata\Projects\GC9\Sequence\2008\mee041508A.seq

Data Description : {Data Description}

Instrument : GC9 (Offline)

Data Acquired By : sheneman

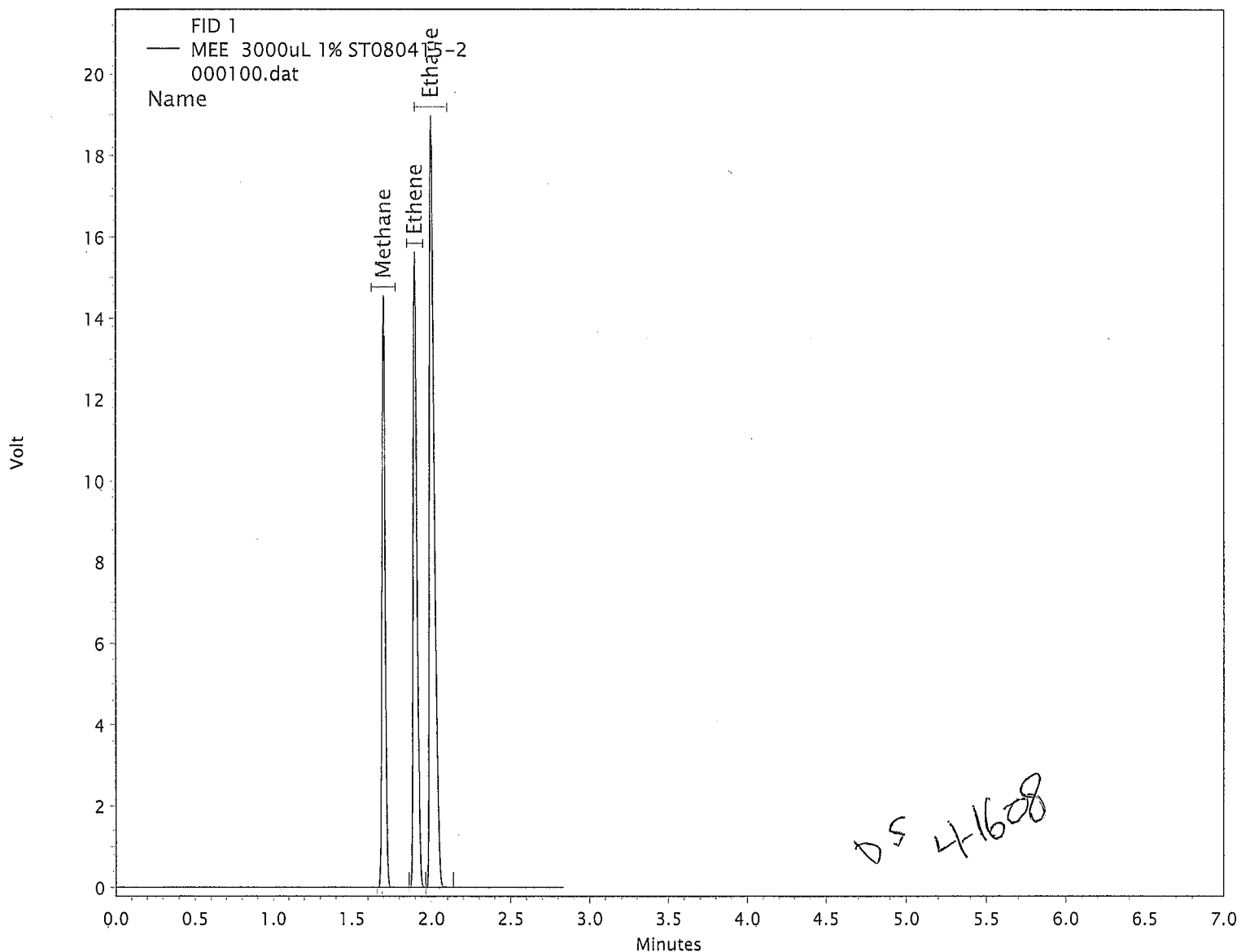
Data Processed By : sheneman

Inj. Vol. (uL) : 0

Vial : N/A

FID 1 Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Conc.	Conc. Units
Methane	1.70	1.70	21950488	BB	12594.05	ug/L
Ethene	1.90	1.90	25205505	BV	22039.53	ug/L
Ethane	2.00	2.00	39053286	VR	23614.04	ug/L



MEE Quantitation Report

Paragon Analytics

Sample : MEE ICS 1000uL 1% ST080314-3

Filename : \\gcserver\gcdata\Projects\GC9\Data\2008\mee041508\000101.dat

Acquisition Date : 4/15/2008 3:08:30 PM

Quantitation Date : 4/16/2008 2:41:07 PM

Last Method Update : 4/16/2008 2:22:33 PM

Method : \\gcserver\gcdata\Projects\GC9\Method\2008\mee041508.met

Sequence : \\gcserver\gcdata\Projects\GC9\Sequence\2008\mee041508A.seq

Data Description : {Data Description}

Instrument : GC9 (Offline)

Data Acquired By : sheneman

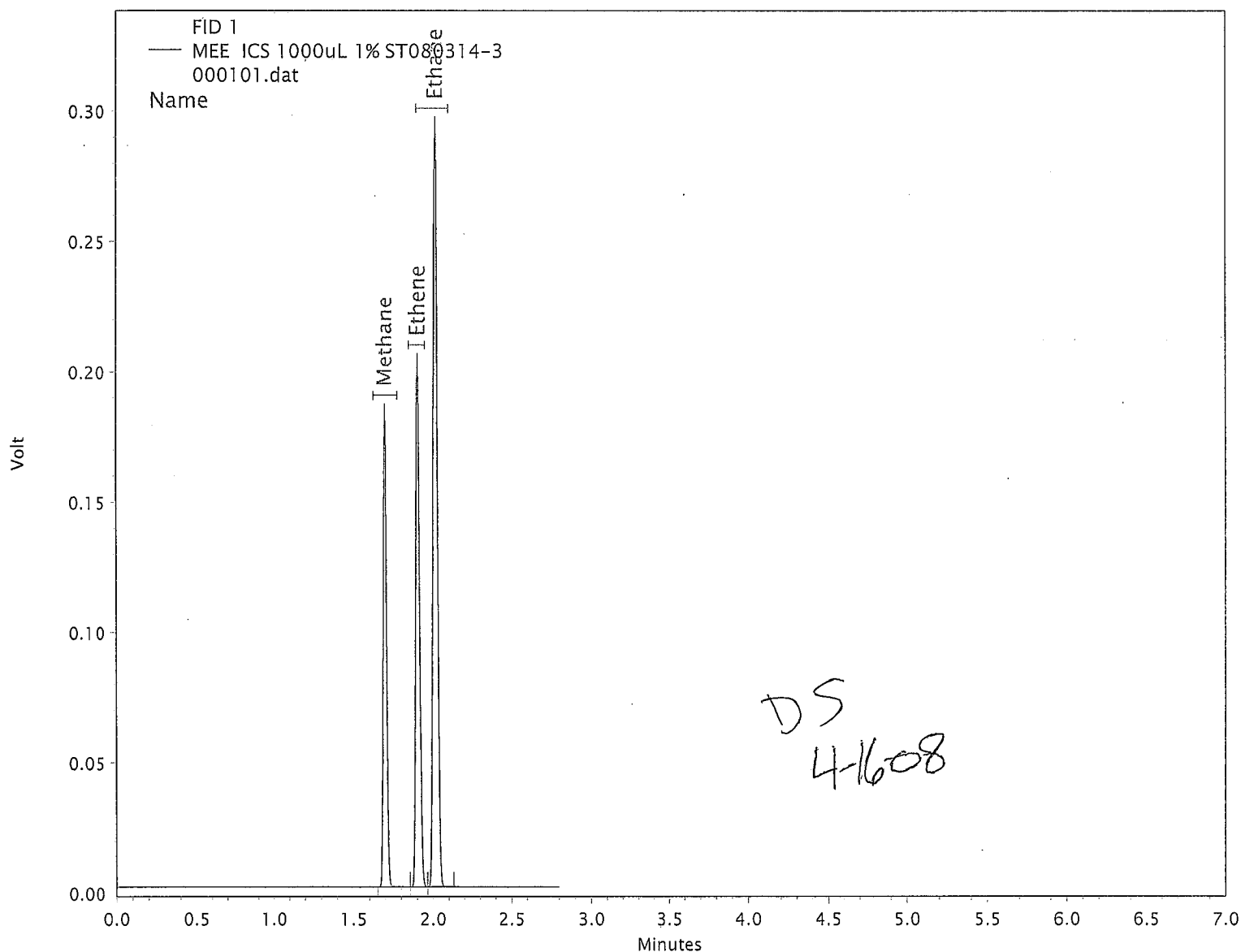
Data Processed By : sheneman

Inj. Vol. (uL) : 0

Vial : N/A

FID 1 Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Conc.	Conc. Units
Methane	1.70	1.70	293898	BB	103% 144.05/139.955	ug/L
Ethene	1.91	1.90	339299	BV	103% 251.85/244.922	ug/L
Ethane	2.02	2.00	529639	VR	104% 273.34/262.416	ug/L



Dissolved Gases (RSK175) Quantitation Report

ALS/Paragon

Sample : CCS

Filename : \\gcserver\gcdata\Projects\GC9\Data\2009\mee090225\00980.dat

Acquisition Date : 2/25/2009 12:38:30 PM

Quantitation Date : 2/25/2009 3:34:30 PM

Last Method Update : 2/16/2009 11:03:35 AM

Method : \\gcserver\gcdata\Projects\GC9\Method\2008\mee041508E.met

Sequence : \\gcserver\gcdata\Projects\GC9\Sequence\2009\mee090225.seq

Data Description : {Data Description}

Instrument : GC9

Data Acquired By : sheneman

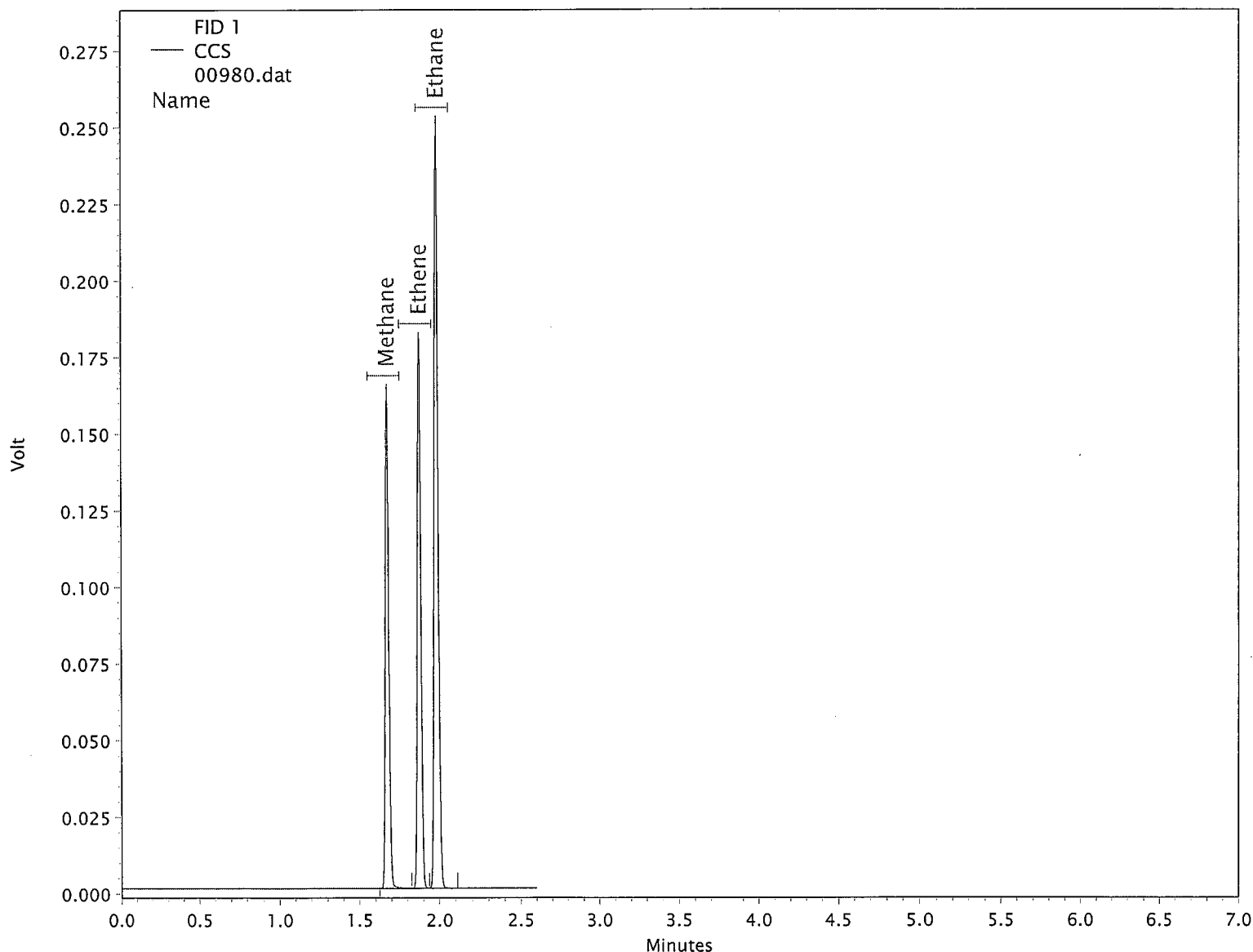
Data Processed By : sheneman

Inj. Vol. (uL) : 300

Vial : N/A

FID 1 Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Concentration	Conc. Units
Methane	1.675	1.653	244283	BV	119.66	ug/L
Ethene	1.877	1.853	282015	VV	209.31	ug/L
Ethane	1.983	1.958	426058	VR	219.87	ug/L



Column : GS-Carbon Plot

(1st int. code is for peak start, 2nd int code is for peak stop) B=baseline, f=force start or stop, l=ended by int. off event, N=begin negative peak, P=end negative peak, H=forward horiz, h=backward horiz, M=manual baseline or peak, m=move baseline start/stop, S=shoulder, T=tangent skim, V=valley, v=forced valley point, x=split peak, E=end of chromatogram encountered, R=reset baseline, L=lowest point horiz.

Printed On : 2/25/2009 3:34:30 PM

Dissolved Gases (RSK175) Quantitation Report

ALS/Paragon

Sample : CCSD

Filename : \\gcserver\gcdata\Projects\GC9\Data\2009\mee090225\00987.dat

Acquisition Date : 2/25/2009 1:12:49 PM

Quantitation Date : 2/25/2009 3:34:44 PM

Last Method Update : 2/16/2009 11:03:35 AM

Method : \\gcserver\gcdata\Projects\GC9\Method\2008\mee041508E.met

Sequence : \\gcserver\gcdata\Projects\GC9\Sequence\2009\mee090225.seq

Data Description : {Data Description}

Instrument : GC9

Data Acquired By : sheneman

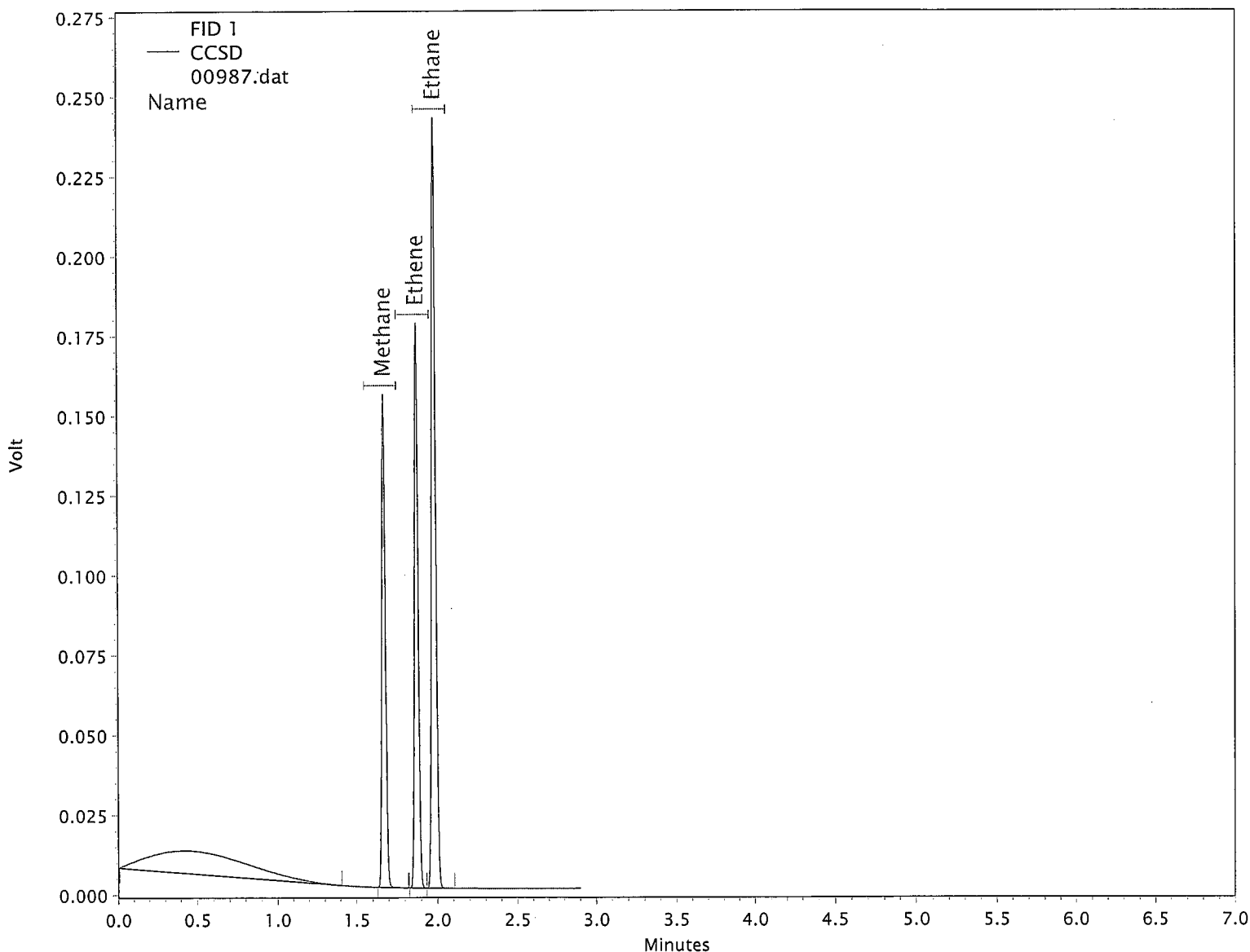
Data Processed By : sheneman

Inj. Vol. (uL) : 300

Vial : N/A

FID 1 Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Concentration	Conc. Units
Methane	1.673	1.653	233951	BB	114.58	ug/L
Ethene	1.873	1.853	278680	BV	206.83	ug/L
Ethane	1.980	1.958	414255	VR	213.78	ug/L



Column : GS-Carbon Plot

(1st int. code is for peak start, 2nd int code is for peak stop) B=baseline, f=force start or stop, l=ended by int. off event, N=begin negative peak, P=end negative peak, H=forward horiz, h=backward horiz, M=manual baseline or peak, m=move baseline start/stop, S=shoulder, T=tangent skim, V=valley, v=forced valley point, x=split peak, E=end of chromatogram encountered, R=reset baseline, L=lowest point horiz.

Sample Raw Data

Dissolved Gases (RSK175) Quantitation Report

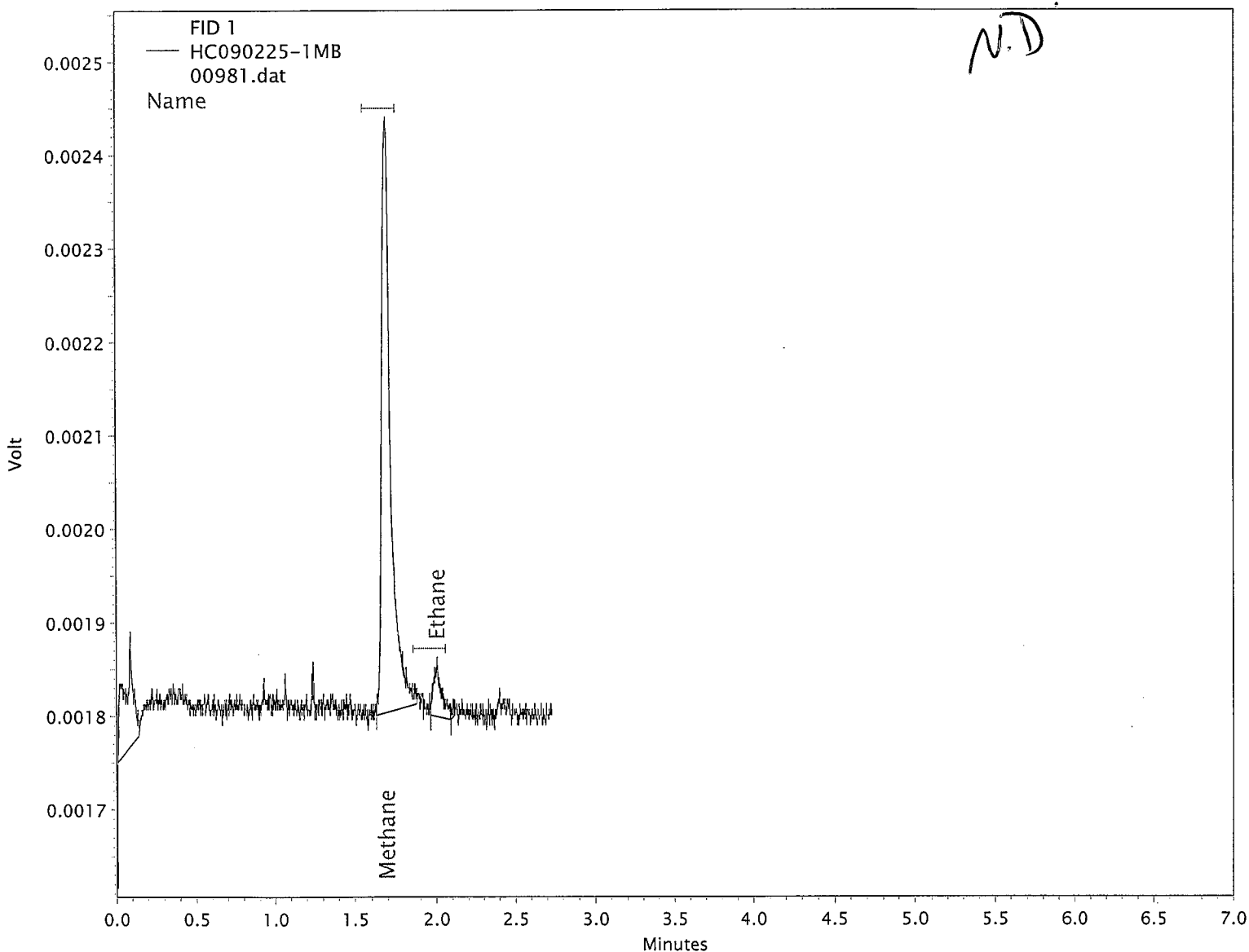
ALS/Paragon

Sample : HC090225-1MB
 Filename : \\gcserver\gcdata\Projects\GC9\Data\2009\mee090225\00981.dat
 Acquisition Date : 2/25/2009 12:42:59 PM
 Quantitation Date : 2/25/2009 3:34:32 PM
 Last Method Update : 2/16/2009 11:03:35 AM
 Method : \\gcserver\gcdata\Projects\GC9\Method\2008\mee041508E.met
 Sequence : \\gcserver\gcdata\Projects\GC9\Sequence\2009\mee090225.seq
 Data Description : {Data Description}

Instrument : GC9
 Data Acquired By : sheneman
 Data Processed By : sheneman
 Inj. Vol. (uL) : 300
 Vial : N/A

FID 1 Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Concentration	Conc. Units
Methane	1.693	1.653	2371	BB	0.93 <i>CRL</i>	ug/L
Ethene		1.853			0.00 BDL	ug/L
Ethane	2.007	1.958	194	BB	0.40 <i>CRL</i>	ug/L



Column : GS-Carbon Plot

(1st int. code is for peak start, 2nd int code is for peak stop) B=baseline, f=force start or stop, l=ended by int. off event, N=begin negative peak, P=end negative peak, H=forward horiz, h=backward horiz, M=manual baseline or peak, m=move baseline start/stop, S=shoulder, T=tangent skim, V=valley, v=forced valley point, x=split peak, E=end of chromatogram encountered, R=reset baseline, L=lowest point horiz.

Dissolved Gases (RSK175) Quantitation Report

ALS/Paragon

Sample : 0902111-1

Filename : \\gcserver\gcdata\Projects\GC9\Data\2009\mee090225\00985.dat

Acquisition Date : 2/25/2009 1:01:38 PM

Quantitation Date : 2/25/2009 3:34:39 PM

Last Method Update : 2/16/2009 11:03:35 AM

Method : \\gcserver\gcdata\Projects\GC9\Method\2008\mee041508E.met

Sequence : \\gcserver\gcdata\Projects\GC9\Sequence\2009\mee090225.seq

Data Description : {Data Description}

Instrument : GC9

Data Acquired By : sheneman

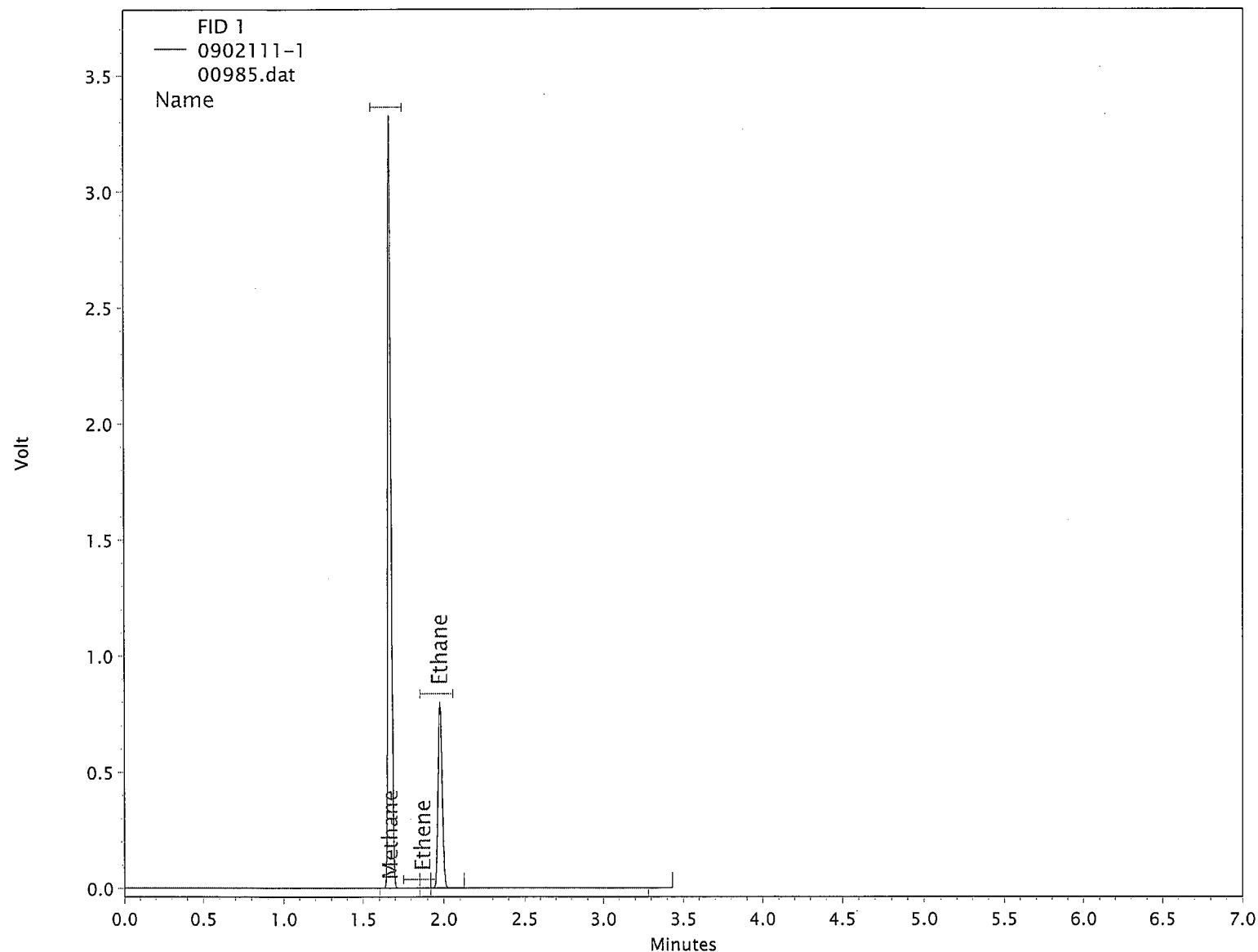
Data Processed By : sheneman

Inj. Vol. (uL) : 300

Vial : N/A

FID 1 Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Concentration	Conc. Units
Methane	1.672	1.653	4667163	BV	2351.24	ug/L
Ethene	1.873	1.853	212	VB	0.38	ug/L
Ethane	1.980	1.958	1363027	BR	704.89	ug/L



Column : GS-Carbon Plot

(1st int. code is for peak start, 2nd int code is for peak stop) B=baseline, f=force start or stop, l=ended by int. off event, N=begin negative peak, P=end negative peak, H=forward horiz, h=backward horiz, M=manual baseline or peak, m=move baseline start/stop, S=shoulder, T=tangent skim, V=valley, v=forced valley point, x=split peak, E=end of chromatogram encountered, R=reset baseline, L=lowest point horiz.

Printed On : 2/25/2009 3:34:40 PM

Raw Data Quality Control Samples

Dissolved Gases (RSK175) Quantitation Report

ALS/Paragon

Sample : CCS

Filename : \\gcserver\gcdata\Projects\GC9\Data\2009\mee090225\00980.dat

Acquisition Date : 2/25/2009 12:38:30 PM

Quantitation Date : 2/25/2009 3:34:30 PM

Last Method Update : 2/16/2009 11:03:35 AM

Method : \\gcserver\gcdata\Projects\GC9\Method\2008\mee041508E.met

Sequence : \\gcserver\gcdata\Projects\GC9\Sequence\2009\mee090225.seq

Data Description : {Data Description}

Instrument : GC9

Data Acquired By : sheneman

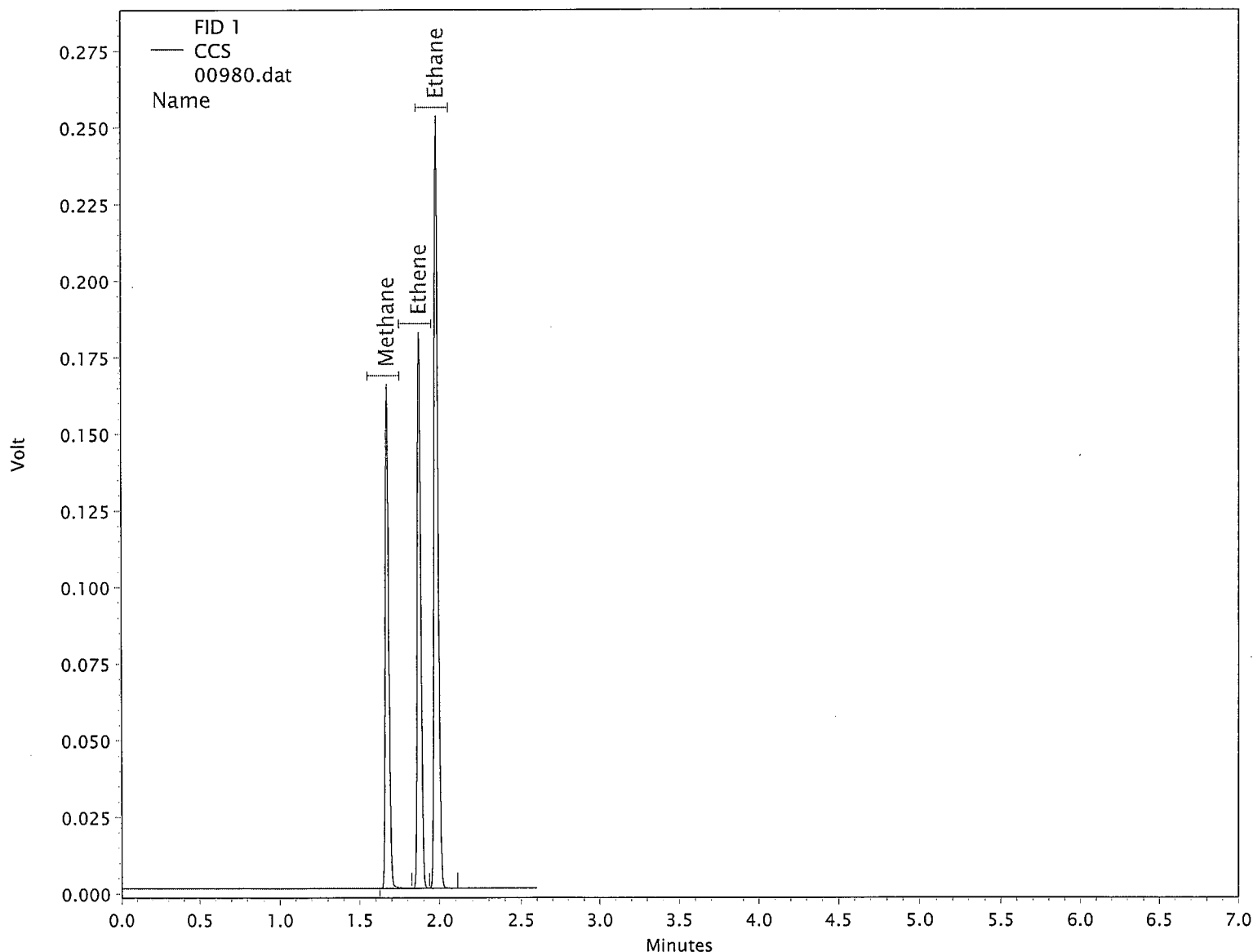
Data Processed By : sheneman

Inj. Vol. (uL) : 300

Vial : N/A

FID 1 Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Concentration	Conc. Units
Methane	1.675	1.653	244283	BV	119.66	ug/L
Ethene	1.877	1.853	282015	VV	209.31	ug/L
Ethane	1.983	1.958	426058	VR	219.87	ug/L



Column : GS-Carbon Plot

(1st int. code is for peak start, 2nd int code is for peak stop) B=baseline, f=force start or stop, l=ended by int. off event, N=begin negative peak, P=end negative peak, H=forward horiz, h=backward horiz, M=manual baseline or peak, m=move baseline start/stop, S=shoulder, T=tangent skim, V=valley, v=forced valley point, x=split peak, E=end of chromatogram encountered, R=reset baseline, L=lowest point horiz.

Printed On : 2/25/2009 3:34:30 PM

Dissolved Gases (RSK175) Quantitation Report

ALS/Paragon

Sample : CCSD

Filename : \\gcserver\gcdata\Projects\GC9\Data\2009\mee090225\00987.dat

Acquisition Date : 2/25/2009 1:12:49 PM

Quantitation Date : 2/25/2009 3:34:44 PM

Last Method Update : 2/16/2009 11:03:35 AM

Method : \\gcserver\gcdata\Projects\GC9\Method\2008\mee041508E.met

Sequence : \\gcserver\gcdata\Projects\GC9\Sequence\2009\mee090225.seq

Data Description : {Data Description}

Instrument : GC9

Data Acquired By : sheneman

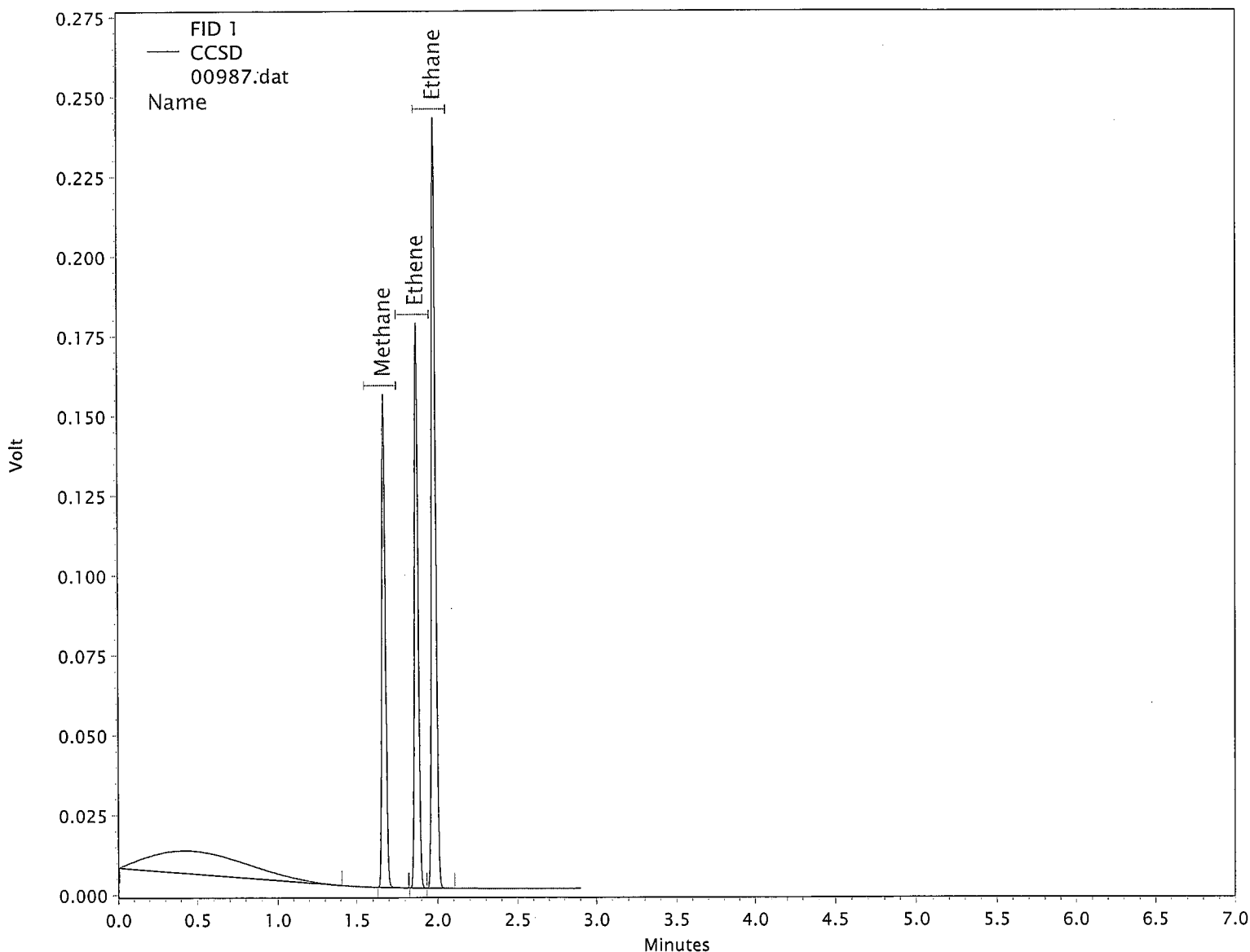
Data Processed By : sheneman

Inj. Vol. (uL) : 300

Vial : N/A

FID 1 Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Concentration	Conc. Units
Methane	1.673	1.653	233951	BB	114.58	ug/L
Ethene	1.873	1.853	278680	BV	206.83	ug/L
Ethane	1.980	1.958	414255	VR	213.78	ug/L



Column : GS-Carbon Plot

(1st int. code is for peak start, 2nd int code is for peak stop) B=baseline, f=force start or stop, l=ended by int. off event, N=begin negative peak, P=end negative peak, H=forward horiz, h=backward horiz, M=manual baseline or peak, m=move baseline start/stop, S=shoulder, T=tangent skim, V=valley, v=forced valley point, x=split peak, E=end of chromatogram encountered, R=reset baseline, L=lowest point horiz.

Dissolved Gases (RSK175) Quantitation Report

ALS/Paragon

Sample : 0902111-1MS
 Filename : \\gcserver\gcdata\Projects\GC9\Data\2009\mee090225\00986.dat
 Acquisition Date : 2/25/2009 1:08:16 PM
 Quantitation Date : 2/25/2009 3:34:42 PM
 Last Method Update : 2/16/2009 11:03:35 AM
 Method : \\gcserver\gcdata\Projects\GC9\Method\2008\mee041508E.met
 Sequence : \\gcserver\gcdata\Projects\GC9\Sequence\2009\mee090225.seq
 Data Description : 75uL sample to 300uL He

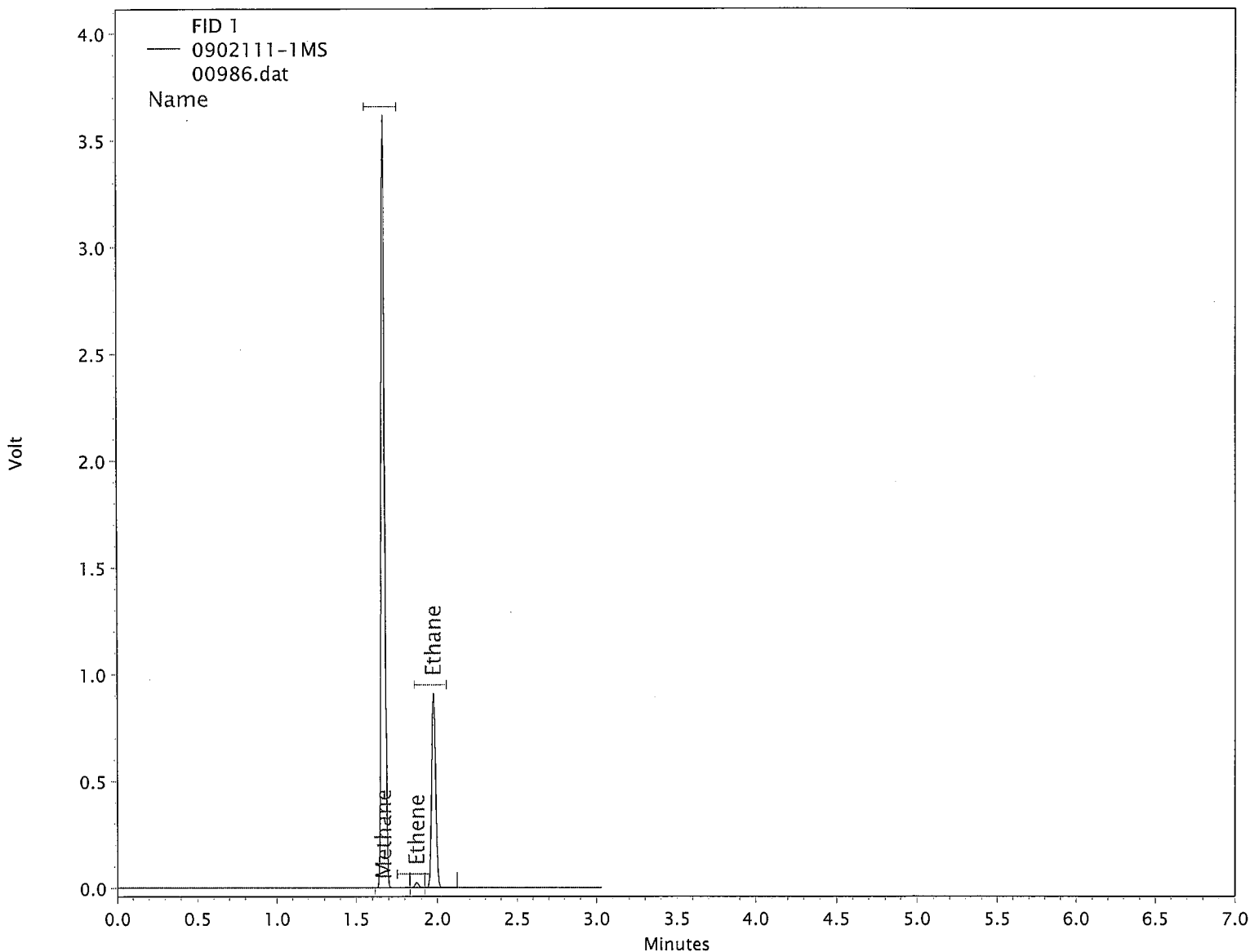
Instrument : GC9
 Data Acquired By : sheneman
 Data Processed By : sheneman
 Inj. Vol. (uL) : 300
 Vial : N/A

Narrat matrix

FID 1 Results

Compound Name	RT	Expected RT	Peak Area	Integration Codes	Concentration	Conc. Units
Methane	1.670	1.653	5368425	BV	2716.36	ug/L
Ethene	1.872	1.853	37126	VV	27.71	ug/L
Ethane	1.978	1.958	1591733	VR	823.74	ug/L

113%
 ↑
 ↑



Column : GS-Carbon Plot

(1st int. code is for peak start, 2nd int code is for peak stop) B=baseline, f=force start or stop, l=ended by int. off event, N=begin negative peak, P=end negative peak, H=forward horiz, h=backward horiz, M=manual baseline or peak, m=move baseline start/stop, S=shoulder, T=tangent skim, V=valley, v=forced valley point, x=split peak, E=end of chromatogram encountered, R=reset baseline, L=lowest point horiz.