

January 23, 2010

Analytical Report for Service Request No: R0907046

Janice Jaeger
Columbia Analytical Services
1 Mustard St.
Suite 250
Rochester, NY 14609-0859

RE: Tronox LLC Henderson/2027.001

Dear Janice:

Enclosed are the results of the samples submitted to our laboratory on December 11, 2009. For your reference, these analyses have been assigned our service request number R0907046.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.caslab.com. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3291. You may also contact me via Email at EWallace@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Ed Wallace
Project Chemist

EW/cb

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Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL or LOQ but greater than or equal to the MDL or LOD. The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.1 definition:*
- U Analyte was not detected and is reported as less than the LOD or as defined by the project. The LOD has been adjusted for dilution.
 - i The MRL/MDL or LOQ/LOD has been elevated due to a matrix interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.

Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- J The result is an estimated concentration that is less than the MRL or LOQ but greater than or equal to the MDL or LOD.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA). The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.1 definition:*
- U Analyte was not detected and is reported as less than the LOD or as defined by the project. The LOD has been adjusted for any dilution or
 - W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
 - i The MRL/MDL or LOQ/LOD has been elevated due to a matrix interference.
- X See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.
- Q See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- p The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results. The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.1 definition:*
- U Analyte was not detected and is reported as less than the LOD or as defined by the project. The LOD has been adjusted for any dilution or
 - i The MRL/MDL or LOQ/LOD has been elevated due to a chromatographic interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

Columbia Analytical Services, Inc.
Kelso, WA
State Certifications, Accreditations, and Licenses

Program	Number
Alaska DEC UST	UST-040
Arizona DHS	AZ0339
Arkansas - DEQ	88-0637
California DHS	2286
Colorado DPHE	-
Florida DOH	E87412
Hawaii DOH	-
Idaho DHW	-
Indiana DOH	C-WA-01
Louisiana DEQ	3016
Louisiana DHH	LA050010
Maine DHS	WA0035
Michigan DEQ	9949
Minnesota DOH	053-999-368
Montana DPHHS	CERT0047
Nevada DEP	WA35
New Jersey DEP	WA005
New Mexico ED	-
North Carolina DWQ	605
Oklahoma DEQ	9801
Oregon - DHS	WA200001
South Carolina DHEC	61002
Utah DOH	COLU
Washington DOE	C1203
Wisconsin DNR	998386840
Wyoming (EPA Region 8)	-



Case Narrative

COLUMBIA ANALYTICAL SERVICES, INC.

Client: Northgate Environmental
Project: Tronox LLC Henderson
Sample Matrix: Soil and Water

Service Request No.: R0907046
Date Received: 12/11-15/09

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Five soil samples and one water blank were received for analysis at Columbia Analytical Services on 12/11-15/09. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

Total Metals

Relative Percent Difference Exceptions:

The Relative Percent Difference (RPD) for the replicate analysis of Chromium and Lead in sample RSAK7-0.5BR was outside the normal CAS control limits. The variability in the results was attributed to the heterogeneous character of the sample. Standard mixing techniques were used, but were not sufficient for complete homogenization of this sample.

Approved by Emw Date 1/22/10

**Chain of Custody
Documentation**

Project Name: Tromox LLC Henderson
Project Number: 2027.001
Project Manager: Derrick Willis
Company: Northgate Environmental

Lab Code	Client Sample ID	# of Cont.	Matrix	Sample			Send To	Metals T 6010B LL	Metals T 6020
				Date	Time	Date Received			
R0907046-001	RS AK7-0.5BR		Soil	12/10/09	1325	12/11/09	KELSO	IV	IV
R0907046-004	RS A12-0.5BR		Soil	12/11/09	0850	12/12/09	KELSO	IV	IV
R0907046-006	EB121109-SO1-A1		Water	12/11/09	1045	12/12/09	KELSO	IV	IV
R0907046-007	SA207-0.5BR		Soil	12/14/09	0845	12/15/09	KELSO	IV	IV

Test Comments
 Metals T - 6010B LL Ba,Cr
 Metals T - 6010B LL Ba,Cr,Pb,Ag, TI
 Metals T - 6010B LL Ba,Cr,Pb,Ag, TI
 Metals T - 6010B LL Pb,Ag, TI
 Metals T - 6020 R0907046-001,6
 TI

Special Instructions/Comments		Turnaround Requirements <input type="checkbox"/> RUSH (Surcharges Apply) PLEASE CIRCLE WORK DAYS 1 2 3 4 5 <input checked="" type="checkbox"/> STANDARD Requested FAX Date: _____ Requested Report Date: 12/27/09		Report Requirements <input type="checkbox"/> I. Results Only <input type="checkbox"/> II. Results + QC Summaries <input type="checkbox"/> III. Results + QC and Calibration Summaries <input checked="" type="checkbox"/> IV. Data Validation Report with Raw Data PQL/MDL/J <input type="checkbox"/> Y <input type="checkbox"/> Y EDD <input type="checkbox"/> Y <input type="checkbox"/> Y		Invoice Information PO# R0907046 Bill to _____	
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Relinquished By: *[Signature]* 1530 Received By: *[Signature]* 1030 Airbill Number: _____
 Page

**Columbia Analytical Services, Inc.
Cooler Receipt and Preservation Form**

PC Ed

Client / Project: Rochester Service Request K09 RO907046

Received: 12/16/09 Opened: 12/16/09 By: JF

1. Samples were received via? US Mail Fed Ex UPS DHL GH GS PDX Courier Hand Delivered
2. Samples were received in: (circle) Cooler Box Envelope Other _____ NA
3. Were custody seals on coolers? NA Y N If yes, how many and where? 13
- If present, were custody seals intact? Y N If present, were they signed and dated? Y N
4. Is shipper's air-bill filed? If not, record air-bill number: 121FW4381348892438 NA Y N

5. Temperature of cooler(s) upon receipt (°C): -0.4

Temperature Blank (°C): -

Thermometer ID: 273

6. If applicable, list Chain of Custody Numbers: _____
7. Packing material used. Inserts Baggies Bubble Wrap Gel Packs Wet Ice Sleeves Other _____
8. Were custody papers properly filled out (ink, signed, etc.)? NA Y N
9. **Did all bottles arrive in good condition (unbroken)?** Indicate in the table below. NA Y N
10. Were all sample labels complete (i.e analysis, preservation, etc.)? NA Y N
11. Did all sample labels and tags agree with custody papers? Indicate in the table below. NA Y N
12. **Were appropriate bottles/containers and volumes received for the tests indicated?** NA Y N
13. Were the pH-preserved bottles tested* received at the appropriate pH? Indicate in the table below. NA Y N
14. Were VOA vials received without headspace? Indicate in the table below. NA Y N
15. **Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection?** NA Y N
16. Was C12/Res negative? NA Y N

Branch Lab.

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

Sample ID	Bottle Count	Out of	Head-	Broke	pH	Reagent	Volume	Reagent Lot	Initials	Time
	Bottle Type	Temp	space				added	Number		

*Does not include all pH preserved sample aliquots received. See sample receiving SOP (SMO-GEN).

Additional Notes, Discrepancies, & Resolutions: _____

Metals

Columbia Analytical Services

- Cover Page - INORGANIC ANALYSIS DATA PACKAGE

Client: Northgate Environmental
Project Name: Tronox LLC Henderson
Project No.: 2027.001

Service Request: R0907046

Sample Name:

EB121109-SO1-A1

Method Blank

Batch QC1D

Batch QC1S

Lab Code:

R0907046-006

R0907046-MB

R0907049-006D

R0907049-006S

Comments:

Approved By:

3C

Date:

1/22/10

Metals

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INORGANIC ANALYSIS DATA PACKAGE

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Date Collected: 12/11/2009

Project Name: Tronox LLC Henderson

Date Received: 12/12/2009

Matrix: WATER

Units: ug/L

Basis: N/A

Sample Name: EB121109-SO1-A1

Lab Code: R0907046-006

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Barium	6010B	2.0	0.4	1.0	01/04/10	01/06/10	0.4	U	
Chromium	6010B	2.0	0.6	1.0	01/04/10	01/06/10	0.6	U	
Lead	6010B	10.0	4.0	1.0	01/04/10	01/06/10	4.0	U	
Silver	6010B	2.0	0.7	1.0	01/04/10	01/06/10	0.7	U	
Thallium	6020	0.020	0.002	1.0	01/11/10	01/14/10	0.006	B	

% Solids: 0.0

Comments:

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

ICV Source: Inorganic Ventures

CCV Source: CAS Mixed

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Barium	5000	5039	101	10000	9954	100	9923	99	6010B
Chromium	500	512	102	250	250	100	249	100	6010B
Lead	2500	2477	99	250	247	99	247	99	6010B
Silver	625	624	100	250	254	102	247	99	6010B
Thallium	25.0	26.3	105	25.0	25.3	101	26.1	104	6020

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

ICV Source: Inorganic Ventures

CCV Source: CAS Mixed

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Barium				10000	10290	103	10090	101	6010B
Chromium				250	254	102	251	100	6010B
Lead				250	252	101	250	100	6010B
Silver				250	256	102	255	102	6010B

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

ICV Source: Inorganic Ventures

CCV Source: CAS Mixed

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Barium				10000	10200	102	10250	102	6010B
Chromium				250	250	100	250	100	6010B
Lead				250	251	100	250	100	6010B
Silver				250	248	99	249	100	6010B

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

ICV Source: Inorganic Ventures

CCV Source: CAS Mixed

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Barium				10000	10290	103	10430	104	6010B
Chromium				250	251	100	253	101	6010B
Lead				250	248	99	251	100	6010B
Silver				250	249	100	250	100	6010B

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

ICV Source: Inorganic Ventures

CCV Source: CAS Mixed

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Barium				10000	10550	106	10610	106	6010B
Chromium				250	254	102	254	102	6010B
Lead				250	251	100	252	101	6010B
Silver				250	255	102	256	102	6010B

Metals
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CRDL STANDARD FOR AA AND ICP

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	Initial			Final	
				True	Found	%R	Found	%R
Barium				2.0	1.9	95		
Chromium				2.0	2.1	105		
Lead				10.0	9.8	98		
Silver				2.0	3.0	150		
Thallium				0.020	0.023	115		

Metals

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BLANKS

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

Concentration Units: ug/L

Analyte	Initial Calib. Blank		Continuing Calibration Blank						Method
		C	1	C	2	C	3	C	
Barium	0.4	U	0.4	B	0.7	B	1.1	B	6010B
Chromium	0.6	U	0.6	U	0.6	U	0.6	U	6010B
Lead	4.0	U	4.0	U	4.0	U	4.0	U	6010B
Silver	0.7	U	-1.1	B	0.7	U	-1.0	B	6010B
Thallium	0.010	B	0.006	B	0.011	B			6020

Metals

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BLANKS

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

Concentration Units: ug/L

Analyte	Initial Calib. Blank	Continuing Calibration Blank						Method	
		C	1	C	2	C	3		C
Barium			1.7	B	0.4	B	0.9	B	6010B
Chromium			0.6	U	0.6	U	0.6	U	6010B
Lead			4.0	U	4.0	U	4.0	U	6010B
Silver			-0.9	B	1.6	B	-1.7	B	6010B

Metals

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BLANKS

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

Concentration Units: ug/L

Analyte	Initial Calib. Blank	Continuing Calibration Blank						Method	
		C	1	C	2	C	3		C
Barium			1.2	B	1.7	B	0.8	B	6010B
Chromium			0.6	U	0.6	U	0.6	U	6010B
Lead			4.0	U	4.0	U	4.0	U	6010B
Silver			0.7	U	0.7	U	1.0	B	6010B

Metals

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BLANKS

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

Concentration Units: ug/L

Analyte	Initial Calib. Blank	Continuing Calibration Blank						Method	
		C	1	C	2	C	3		C
Barium			0.7	B					6010B
Chromium			0.6	U					6010B
Lead			4.0	U					6010B
Silver			0.7	U					6010B

Metals

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ICP INTERFERENCE CHECK SAMPLE

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

ICP ID Number: K-ICP-AES-03

ICS Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Barium		500	1	506	101			
Chromium		500	-1	494	99			
Lead		1000	2	1006	101			
Silver		1000	-2	941	94			

80-120% control criteria is not applicable to interfering elements (Al,Ca,Fe,Mg).

Metals

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ICP INTERFERENCE CHECK SAMPLE

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

ICP ID Number: K-ICP-MS-02

ICS Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Thallium			0.07	0.07				

80-120% control criteria is not applicable to interfering elements (Al,Ca,Fe,Mg).

Metals

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SPIKE SAMPLE RECOVERY

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Units: UG/L

Project Name: Tronox LLC Henderson

Basis: N/A

Matrix: WATER

% Solids: 0.0

Sample Name: Batch QC1S

Lab Code: R0907049-006S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Barium	75 - 125	2090		14.6		2000.00	103.8		6010B
Chromium	75 - 125	203		0.9	B	200.00	101.0		6010B
Lead	75 - 125	504		4.0	U	500.00	100.8		6010B
Silver	75 - 125	44.3		0.7	U	50.00	88.6		6010B

An empty field in the Control Limit column indicates the control limit is not applicable

Metals

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POST SPIKE SAMPLE RECOVERY

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Units: UG/L

Project Name: Tronox LLC Henderson

Basis: N/A

Matrix: WATER

Sample Name: EB121109-S01-A1A

Lab Code: R0907046-006A

Analyte	Control Limit %R	Spike Result C	Sample Result C	Spike Added	%R	Q	Method
Thallium	75 - 125	20.870	0.006 B	20	104		6020

Metals
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DUPLICATES

Client: Northgate Environmental	Service Request: R0907046
Project No.: 2027.001	Units: UG/L
Project Name: Tronox LLC Henderson	Basis: N/A
Matrix: WATER	% Solids: 0.0

Sample Name: Batch QC1D

Lab Code: R0907049-006D

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Barium	20	14.6		14.2		2.8		6010B
Chromium		0.9	B	1.9	B	71.4		6010B
Lead		4.0	U	4.0	U			6010B
Silver		0.7	U	0.7	U			6010B

An empty field in the Control Limit column indicates the control limit is not applicable.

Metals

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LABORATORY CONTROL SAMPLE

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

Aqueous LCS Source: Inorganic Ventures

Solid LCS Source:

Analyte	Aqueous: ug/L			Solid: mg/kg				
	True	Found	%R	True	Found	C	Limits	%R
Barium	5000	5220	104.4					
Chromium	500	512	102.4					
Lead	2500	2530	101.2					
Silver	625	620	99.2					
Thallium	20	20.8	104.0					

Metals

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LABORATORY CONTROL SAMPLE

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

Aqueous LCS Source: Inorganic Ventures

Solid LCS Source:

Analyte	Aqueous: ug/L			Solid: mg/kg				
	True	Found	%R	True	Found	C	Limits	%R
Thallium	20	20.7	103.5					

Metals

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ICP SERIAL DILUTIONS

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Units: UG/L

Project Name: Tronox LLC Henderson

Sample Name: EB121109-SO1-A1L

Lab Code: R0907046-006L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Difference	Q	M
		C		C			
Thallium	0.006	B	0.010	U	100.0		MS

Metals

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ICP SERIAL DILUTIONS

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Units: UG/L

Project Name: Tronox LLC Henderson

Sample Name: Batch QC1L

Lab Code: R0907049-006L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ- ence	Q	M
Barium	14.6	C	13.0	C	11.0		P
Chromium	0.9	B	3.0	U	100.0		P
Lead	0.9	U	20.0	U			P
Silver	0.7	U	3.5	U			P

Metals
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DETECTION LIMITS

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

ICP/ICP-MS ID #:

GFAA ID #:

AA ID #:

Analyte	Wave-length (nm)	Back-ground	MRL ug/L	MDL ug/L	M
Barium	455.4		2.0	0.4	P
Chromium	267.7		2.0	0.6	P
Lead	220.3		10	4.0	P
Silver	328.1		2.0	0.7	P

Comments:

Metals
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DETECTION LIMITS

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

ICP/ICP-MS ID #: K-ICP-MS-02

GFAA ID #:

AA ID #:

Analyte	Isotope	Back-ground	MRL ug/L	MDL ug/L	M
Thallium	205		0.02	0.002	MS

Comments:

Metals

- 11A -

ICP INTERELEMENT CORRECTION FACTORS

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

ICP ID Number: K-ICP-AES-03

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Co
Aluminum	394.401	0.0000000	0.0000670	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000400	0.0000000	-0.0000400	0.0000000	0.0000000
Arsenic	189.042	0.0000390	0.0000000	-0.0000760	0.0000000	0.0000000
Barium	455.403	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000070	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	-0.0001260	0.0000000	0.0012990
Cadmium	226.502	0.0000000	0.0000000	0.0001210	0.0000000	-0.0001520
Calcium	393.366	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000040	0.0000080	0.0000000
Cobalt	230.786	0.0000000	0.0000000	0.0000170	0.0000000	0.0000000
Copper	327.396	0.0000000	0.0000000	0.0000080	0.0000000	0.0002940
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000680	0.0000000	0.0000290	0.0000000	0.0000000
Lithium	670.784	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	285.213	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.03	0.0000000	0.0000000	-0.0000080	0.0000000	0.0000000
Nickel	221.647	0.0000080	0.0000000	0.0000120	0.0000000	-0.0000960
Phosphorus	214.914	-0.0012840	0.0000000	0.0011150	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silicon	251.611	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	407.771	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0047240
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	336.121	0.0000000	0.0000130	0.0000000	0.0000000	0.0000230
Vanadium	292.402	0.0000000	0.0000000	0.0000290	0.0000000	0.0000000
Zinc	206.2	0.0000000	0.0000000	-0.0000540	0.0000000	0.0000000

Comments:

Metals

- 11B -

ICP INTERELEMENT CORRECTION FACTORS

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

ICP ID Number: K-ICP-AES-03

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Mn	Mo	Ni	Si
Aluminum	394.401	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0175150	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0004620	0.0000000	0.0006670	0.0000000	0.0000000
Barium	455.403	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	-0.0000290	-0.0001980	-0.0000220	0.0000000
Boron	249.678	0.0002640	0.0000000	-0.0005900	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000240	0.0000000	0.0000000
Calcium	393.366	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0001240	0.0000000	0.0000000	0.0000000
Cobalt	230.786	-0.0000340	0.0001060	-0.0082640	0.0002190	0.0000000
Copper	327.396	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	-0.0023650	0.0000000	0.0005320
Lithium	670.784	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	285.213	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.03	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	221.647	-0.0003740	0.0001080	0.0000000	0.0000000	0.0003870
Phosphorus	214.914	0.0000000	-0.0009470	0.0075330	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.0	0.0000000	0.0010320	0.0000000	0.0000000	0.0000000
Silicon	251.611	0.0000000	0.0000000	0.0071110	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000520	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	407.771	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0003510	0.0010860	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	336.121	0.0000000	0.0000000	0.0000540	0.0001230	0.0000000
Vanadium	292.402	0.0000000	0.0000000	-0.0103660	0.0000000	0.0000000
Zinc	206.2	-0.0001350	0.0000000	0.0001870	0.0000000	0.0000000

Comments:

Metals

- 11B -

ICP INTERELEMENT CORRECTION FACTORS

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

ICP ID Number: K-ICP-AES-03

Analyte	Wave-length (nm)	Interelement Correction Factors for:			
		Ti	V		
Aluminum	394.401	0.0000000	0.0000000		
Antimony	206.833	0.0005270	0.0000000		
Arsenic	189.042	0.0000000	0.0000000		
Barium	455.403	0.0000000	0.0000000		
Beryllium	234.861	0.0000000	0.0000000		
Boron	249.678	0.0000000	0.0000000		
Cadmium	226.502	0.0000660	0.0000000		
Calcium	393.366	0.0000000	0.0000000		
Chromium	267.716	0.0000000	-0.0000660		
Cobalt	230.786	0.0000000	0.0000000		
Copper	327.396	0.0001000	0.0000000		
Iron	259.94	0.0000000	0.0000000		
Lead	220.353	-0.0005720	0.0000000		
Lithium	670.784	0.0000000	0.0000000		
Magnesium	285.213	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000		
Molybdenum	202.03	0.0000000	0.0000000		
Nickel	221.647	-0.0019510	0.0000000		
Phosphorus	214.914	0.0000000	-0.0053970		
Potassium	766.491	0.0000000	0.0000000		
Selenium	196.0	0.0000000	0.0000000		
Silicon	251.611	0.0000000	0.0000000		
Silver	328.068	0.0000000	0.0000590		
Sodium	589.592	0.0000000	0.0000000		
Strontium	407.771	0.0000000	0.0000000		
Thallium	190.856	-0.0007260	-0.0030470		
Tin	189.989	-0.0005630	0.0000000		
Titanium	336.121	0.0000000	0.0000210		
Vanadium	292.402	0.0007120	0.0000000		
Zinc	206.2	0.0000000	0.0000000		

Comments:

Metals

-12-

ICP LINEAR RANGES (QUARTERLY)

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

ICP ID Number: K-ICP-AES-03

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Barium	15.000	90000	6010B
Chromium	15.000	45000	6010B
Lead	15.000	90000	6010B
Silver	15.000	1800	6010B

Comments:

Metals

-12-

ICP LINEAR RANGES (QUARTERLY)

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

ICP ID Number: K-ICP-MS-02

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Thallium	15.000	450	6020

Comments:

Metals
-13-
PREPARATION LOG

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

Method: P

Sample ID	Preparation Date	Initial Volume	Final Volume (mL)
LCSW1	1/4/2010	50.0	50.0
R0907046-006	1/4/2010	50.0	50.0
R0907046-MB	1/4/2010	50.0	50.0
R0907049-006D	1/4/2010	50.0	50.0
R0907049-006S	1/4/2010	50.0	50.0

Metals
-13-
PREPARATION LOG

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

Method: MS

Sample ID	Preparation Date	Initial Volume	Final Volume (mL)
LCSW1	1/11/2010	50.0	50.0
LCSW2	1/11/2010	50.0	50.0
R0907046-006	1/11/2010	50.0	50.0
R0907046-MB	1/11/2010	50.0	50.0

Metals
- 14 -
ANALYSIS RUN LOG

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

Instrument ID Number: K-ICP-AES-03

Method: P

Start Date: 1/6/2010

End Date: 1/6/2010

Sample No.	D/F	Time	% R	Analytes																											
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N				
BLK	1	09:20				X				X			X								X										
STD A	1	09:23								X			X								X										
STD B	1	09:26				X																									
ICV1	1	09:30				X				X			X								X										
ZZZZZZ	1	09:33																													
ICB1	1	09:36				X				X			X								X										
CCV1	1	09:39								X			X								X										
CCV1	1	09:42				X																									
CCB1	1	09:45				X				X			X								X										
ZZZZZZ	1	09:48																													
CRDL1	1	09:51				X				X			X								X										
ICSA	1	09:54				X				X			X								X										
ICSAB	1	09:57				X				X			X								X										
ZZZZZZ	1	10:01																													
ZZZZZZ	1	10:04																													
ZZZZZZ	1	10:07																													
ZZZZZZ	1	10:10																													
ZZZZZZ	1	10:13																													
ZZZZZZ	1	10:17																													
CCV2	1	10:20								X			X								X										
CCV2	1	10:23				X																									
CCB2	1	10:27				X				X			X								X										
ZZZZZZ	5	10:29																													
ZZZZZZ	1	10:33																													
ZZZZZZ	1	10:36																													
ZZZZZZ	1	10:40																													
ZZZZZZ	1	10:43																													
ZZZZZZ	1	10:46																													
ZZZZZZ	1	10:49																													
ZZZZZZ	1	10:52																													
ZZZZZZ	1	10:55																													
ZZZZZZ	1	10:58																													

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Metals
- 14 -
ANALYSIS RUN LOG

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

Instrument ID Number: K-ICP-AES-03

Method: P

Start Date: 1/6/2010

End Date: 1/6/2010

Sample No.	D/F	Time	% R	Analytes																											
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N				
CCV3	1	11:02									X			X							X										
CCV3	1	11:05				X																									
CCB3	1	11:08				X				X				X							X										
ZZZZZZ	1	11:11																													
ZZZZZZ	1	11:14																													
ZZZZZZ	1	11:17																													
ZZZZZZ	1	11:20																													
ZZZZZZ	1	11:24																													
ZZZZZZ	1	11:27																													
ZZZZZZ	1	11:30																													
ZZZZZZ	1	11:33																													
ZZZZZZ	1	11:37																													
ZZZZZZ	1	11:40																													
CCV4	1	11:43								X				X							X										
CCV4	1	11:46				X																									
CCB4	1	11:49				X				X				X							X										
ZZZZZZ	1	11:54																													
ZZZZZZ	1	11:59																													
ZZZZZZ	1	12:03																													
ZZZZZZ	1	12:06																													
ZZZZZZ	1	12:09																													
ZZZZZZ	1	12:12																													
ZZZZZZ	1	12:16																													
ZZZZZZ	1	12:18																													
ZZZZZZ	1	12:21																													
ZZZZZZ	1	12:24																													
ZZZZZZ	1	12:27																													
CCV5	1	12:31								X				X							X										
CCV5	1	12:33				X																									
CCB5	1	12:37				X				X				X							X										
ZZZZZZ	1	12:39																													
ZZZZZZ	1	12:43																													

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Metals
- 14 -
ANALYSIS RUN LOG

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

Instrument ID Number: K-ICP-AES-03

Method: P

Start Date: 1/6/2010

End Date: 1/6/2010

Sample No.	D/F	Time	% R	Analytes																											
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K E	S E	A G	N A	T L	V	Z N	C N				
ZZZZZZ	1	12:46																													
ZZZZZZ	1	12:49																													
ZZZZZZ	1	12:52																													
ZZZZZZ	1	12:56																													
ZZZZZZ	1	12:59																													
ZZZZZZ	1	13:02																													
ZZZZZZ	1	13:05																													
ZZZZZZ	1	13:09																													
CCV6	1	13:12								X			X													X					
CCV6	1	13:15				X																									
CCB6	1	13:18				X			X			X														X					
ZZZZZZ	1	13:20																													
ZZZZZZ	1	13:23																													
ZZZZZZ	1	13:26																													
ZZZZZZ	1	13:30																													
ZZZZZZ	1	13:33																													
ZZZZZZ	1	13:37																													
ZZZZZZ	1	13:40																													
ZZZZZZ	1	13:43																													
ZZZZZZ	1	13:47																													
ZZZZZZ	1	13:50																													
CCV7	1	13:54								X			X													X					
CCV7	1	13:57				X																									
CCB7	1	14:00				X			X			X														X					
ZZZZZZ	1	14:03																													
ZZZZZZ	1	14:06																													
ZZZZZZ	1	14:09																													
ZZZZZZ	1	14:12																													
ZZZZZZ	1	14:15																													
ZZZZZZ	1	14:18																													
ZZZZZZ	1	14:22																													
ZZZZZZ	1	14:26																													

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Metals

- 14 -

ANALYSIS RUN LOG

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

Instrument ID Number: K-ICP-AES-03

Method: P

Start Date: 1/6/2010

End Date: 1/6/2010

Sample No.	D/F	Time	% R	Analytes																											
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K E	S E	A G	N A	T L	V	Z N	C N				
ZZZZZZ	1	14:29																													
ZZZZZZ	1	14:32																													
CCV8	1	14:36								X			X								X										
CCV8	1	14:39				X																									
CCB8	1	14:42				X				X			X								X										
ZZZZZZ	1	14:45																													
ZZZZZZ	1	14:48																													
ZZZZZZ	1	14:51																													
ZZZZZZ	1	14:54																													
ZZZZZZ	1	14:57																													
ZZZZZZ	1	15:00																													
R0907046-MB	1	15:03				X				X			X								X										
LCSW1	1	15:06				X				X			X								X										
ZZZZZZ	1	15:09																													
R0907049-006D	1	15:12				X				X			X								X										
CCV9	1	15:16								X			X								X										
CCV9	1	15:19				X																									
CCB9	1	15:22				X				X			X								X										
R0907049-006L	5	15:24				X				X			X								X										
R0907049-006S	1	15:28				X				X			X								X										
ZZZZZZ	1	15:31																													
R0907046-006	1	15:34				X				X			X								X										
ZZZZZZ	1	15:37																													
ZZZZZZ	1	15:40																													
ZZZZZZ	1	15:43																													
ZZZZZZ	1	15:45																													
ZZZZZZ	1	15:49																													
ZZZZZZ	1	15:52																													
CCV10	1	15:55								X			X								X										
CCV10	1	15:58				X																									
CCB10	1	16:01				X				X			X								X										

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Metals
- 14 -
ANALYSIS RUN LOG

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

Instrument ID Number: K-ICP-MS-02

Method: MS

Start Date: 1/14/2010

End Date: 1/14/2010

Sample No.	D/F	Time	% R	Analytes																										
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K E	S G	A G	N A	T L	V L	Z N	C N			
Cal. Blk	1	08:24																										X		
Cal. Stn	1	08:26																										X		
ICV1	1	08:31																									X			
CCV1	1	08:34																									X			
ICB1	1	08:38																									X			
CCB1	1	08:40																									X			
CRDL1	1	08:42																									X			
ICS-A1	1	08:44																									X			
ICS-AB1	1	08:47																									X			
R0907046-MB	1	08:50																									X			
LCSW1	1	08:52																									X			
LCSW2	1	08:55																									X			
R0907046-006	1	08:58																									X			
R0907046-006L	5	09:00																									X			
R0907046-006A	1	09:02																									X			
CCV2	1	09:06																									X			
CCB2	1	09:09																									X			

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Columbia Analytical Services
Metals Digestion Sheet

Service Request Number(s): R0907049, R0907046
 Star Lims Run No.: 103677
 Method: CLP Analysis for: (ICP) ICP-MS GFAA
 3005A CLP Hot Block Other- Flame AA Other

Sample	Initial Weight (g)	Dry	Wet	Initial Volume(ml)	Final Volume (ml)	Matrix
Blank			X	50	50	10% HNO ₃ , 5% HCl
LCS						
T-R0907049-6						
-6D						
-6S						
-7						
T-R0907046-6						
eg 1/4/10						

Time Digestion Started: 4:30 Balance I.D.: _____ Date Balance Checked _____
 Lot # Acids Used: HNO₃ H14024 HCl 200928001 H₂O₂ _____ HF _____
 Hot Block Temp: 94°C

LCSS (circle appropriate) ERA CLP Soil Lot # D045540 Other: _____

GFAA LCSW = GFLCSW, MET1-80-J, _____ mls. added
 ICP LCSW = QCP-CICV-1, MET1-79-E, 0.25 mls. added
 QCP CICV-2, MET1-80-N, 0.25 mls. added
 QCP CICV-3, MET1-80-O, 0.25 mls. added
 SS6, MET1-80-K, 0.5 mls. Added

TCLP Spike/LCSE
 TSS1 MET1-74-K _____ mls. added

SPIKE INFO
 SS1-MET1-81-B, 0.5 mls added SS4-MET1-76-B _____ mls added SS7-MET1-78-H _____ mls added
 SS5-MET1-79-Q, 0.5 mls added 200.8 1000ppb Stock (MS13-20-A) _____ mls added
 SS6-MET1-80-K, 0.5 mls added Ag 1000ppb Stock (MS13-38-C) _____ mls added

Additional spikes: _____

Comments: _____

Analyst <u>Cheryl K. Johnston</u>	Date <u>1/4/10</u>
Reviewer <u>[Signature]</u>	Date <u>1/9/10</u>

metdig.xls

METALS SPIKE FORM

Service Request # R2907049, R0907046
 Q.C. Sample # 7049-6

Circle type of digest: GFAA ICP FAA ICP-MS Other: _____ Initials / Date: EG 11/4/10
 Circle type of sample: Soil Water Misc. Sludge Oil Other: _____

Solution Name	Element	mLs of 1000ppm Solution	Final Volume	Solution Conc. mg/L	Enter mls Added
SS1-MET1-81-B	HNO3	50.0	1000ml	-	
	Al	100*	1000ml	200	
	Ag	100*	1000ml	5	
	Ba	100*	1000ml	200	
	Be	100*	1000ml	5	
	Cd	100*	1000ml	5	
	Co	100*	1000ml	50	
	Cr	100*	1000ml	20	
	Cu	100*	1000ml	25	
	Fe	100*	1000ml	100	0.5
	Pb	100*	1000ml	50	
	Mn	100*	1000ml	50	
	Ni	100*	1000ml	50	
	Sb	50	1000ml	50	
V	100*	1000ml	50		
Zn	100*	1000ml	50		
SS4-MET1-76-B	HNO3	25.0	500ml	-	
	As	2.0	500ml	4	
	Cd	2.0	500ml	4	
	Pb	2.0	500ml	4	
	Se	2.0	500ml	4	
	Tl	2.0	500ml	4	
SS5-MET1-79-Q	HNO3	25.0	500ml	-	
	As	50.0	500ml	100	0.5
	Se	50.0	500ml	100	
	Tl	50.0	500ml	100	
SS6-MET1-80-K	HNO3	25	500ml	-	
	B	50	500ml	100	0.5
	Mo	50	500ml	100	
SS7-MET1-78-H	HNO3	10.0	200ml	-	
	K**	20	200ml	1000	
	Na**	20	200ml	1000	
	Mg**	20	200ml	1000	
	Ca**	20	200ml	1000	

Expires: 05/01/2010

Expires: 4/2010

Expires: 05/2010

Expires: 7/01/2010

Expires: 3/29/10

GFLCSW (MET1-80-J)	HNO3	10.0	1000ml	-	
	As, Pb, Se, Tl	5.0	1000ml	2.5	
	Cd	-	-	1.25	
	Cu	2.5	1000ml	2.5	
QCP-CICV-1 (MET1-79-E)	Ca, Mg, Na, K	no dilution	-	2500	
	Al, Ba	no dilution	-	1000	
	Fe	no dilution	-	500	0.25
	Co, Mn, Ni, V, Zn	no dilution	-	250	
	Cu, Ag	no dilution	-	125	
	Cr	no dilution	-	100	
	Be	no dilution	-	25	
QCP-CICV-2 (MET1-80-N)	Sb	no dilution	-	500	0.25
QCP-CICV-3 (MET1-80-O)	As, Pb, Se, Tl	no dilution	-	500	0.25
	Cd	no dilution	-	250	0.25

Expires: 07/01/10

Expires: 10/01/10

Expires: 12/10

Expires: 12/1/10

* Denotes volume of mixed stock standard.

** Denotes 10,000 ppm individual stock standards.

Standard	mLs of standard	ppm	Logbook #	Exp. Date

Service Request # 20907046 (#6)
 Instrument ID# K-ICP-AES-03

ICP-OES Data Review Form

	Yes	No
1. Standardization completed	<u>✓</u>	_____
2. ICV within 10 % of true value	<u>✓</u>	_____
3. ICB below MRL	<u>✓</u>	_____
4. CRI standard analyzed.	<u>✓</u>	_____
5. ICS standards within 20% of true value	<u>✓</u>	_____
6. All preceding CCVs within 10 % of true value	<u>✓</u>	_____
7. Following CCV within 10 % of true value	<u>✓</u>	_____
8. Bracketing CCBs below MRL	<u>✓</u>	_____
9. Method Blank below MRL	<u>✓</u>	_____
10. MS-MSD or Dup-MS and LCS within CAS control limits	<u>✓</u>	_____
11. All analytes within instrument linear range	<u>✓</u>	_____
12. Adequate rinse out time allowed between samples to eliminate memory effect	<u>✓</u>	_____

Comments:

StarLIMS Run # 185338
 Don't report 200.7
 Report 500 ppb DL after CCB3

Saved under 010610AICP03

Don't report Na - ICV was out of limits

Primary Review by 3C

Date 1/6/10

Secondary Review by gms

Date 1/7/10

Sample Name: BLK Acquired: 1/6/2010 9:20:19 Type: Cal
 Method: 2009D(v18) Mode: IR Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0010	-15.33	.5400	.8967	.0141	-2.8670	11.89
Stddev	.0001	15.20	.3111	.3441	.0019	.3173	1.38
%RSD	10.88	99.11	57.62	38.38	13.78	11.068	11.56

#1	.0009	-26.08	.3200	.6533	.0128	-3.0913	10.92
#2	.0011	-4.587	.7600	1.140	.0155	-2.6426	12.86

Elem	Cd2265	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0009	.0017	.1444	.0000	.0002	-224.1	.0003
Stddev	.0002	.0002	.0003	.0000	.0001	2.0	.0001
%RSD	19.55	11.12	.2295	90.25	65.61	.9025	43.15

#1	-.0007	.0016	.1446	.0000	.0001	-225.6	.0002
#2	-.0010	.0019	.1442	.0000	.0003	-222.7	.0004

Elem	Pb2203	Mg2790	Mg2795	Mg2852	Mn2576	Mn2605	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0005	.0001	.0007	1.025	.0000	.0000	.0001
Stddev	.0019	.0003	.0002	1.379	.0000	.000	.0001
%RSD	350.5	248.7	23.81	134.5	84.26	72240.	101.0

#1	.0008	.0004	.0005	2.000	.0001	.0000	.0000
#2	-.0019	-.0001	.0008	.0500	.0000	.0000	.0001

Elem	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0002	43.89	-.0733	-7.404	205.6	.0007	-.0002
Stddev	.0000	2.53	.5468	14.00	14.9	.0001	.0000
%RSD	28.18	5.771	745.7	189.0	7.267	10.22	7.945

#1	.0001	42.10	-.4600	-17.30	195.1	.0007	-.0002
#2	.0002	45.68	.3133	2.493	216.2	.0006	-.0002

Sample Name: BLK Acquired: 1/6/2010 9:20:19 Type: Cal
 Method: 2009D(v18) Mode: IR Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209

Comment:

Elem	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0009	.4233	2.000	.0016	-.0022	1.575	-.00131
Stddev	.0002	.1084	.919	.0000	.0009	5.197	.00027
%RSD	25.68	25.61	45.96	2.131	42.07	330.0	20.177
#1	.0007	.5000	2.650	.0016	-.0016	-2.100	-.00150
#2	.0010	.3467	1.350	.0016	-.0029	5.250	-.00113
Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306			
Units	Cts/S	Cts/S	Cts/S	Cts/S			
Avg	2163.6	67784.	3887.3	674.71			
Stddev	2.3	188.	15.8	.30			
%RSD	.10487	.27686	.40617	.04472			
#1	2162.0	67917.	3876.1	674.49			
#2	2165.2	67652.	3898.5	674.92			

OP
1/6/10

Sample Name: STD A Acquired: 1/6/2010 9:23:24 Type: Cal
 Method: 2009D(v18) Mode: IR Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: ICP6-90-C

Elem	Al1670	Sb2068	Be2348	B_2496	Cd2265	Ca3933	Cr2677	Co2307
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.3166	136.3	21390.	R 1425.	2.083	12.98	.0734	.6719
Stddev	.0009	.4	74.	14.	.001	.10	.0001	.0038
%RSD	.2914	.2607	.34399	.9572	.0266	.7407	.1824	.5722
#1	.3173	136.0	21442.	1435.	2.084	13.05	.0735	.6692
#2	.3160	136.5	21338.	1415.	2.083	12.91	.0733	.6747

Elem	Cu3273	Pb2203	Mg2795	Mn2576	Mn2605	Mo2020	Ni2216	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6957.	.5265	2.367	.3797	.0057	.2659	.7929	115.2
Stddev	64.	.0003	.001	.0027	.0001	.0004	.0012	.0
%RSD	.9191	.0570	.0218	.7043	1.563	.1607	.1528	.0264
#1	7002.	.5267	2.366	.3778	.0057	.2656	.7921	115.2
#2	6912.	.5263	2.367	.3816	.0058	.2662	.7938	115.2

Elem	Ag3280	Sn1899	V_2924	Zn2062	Ti3361	Ti1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2949.	.3419	.0867	1.424	.3663	.3236
Stddev	7.	.0004	.0001	.005	.0005	.0006
%RSD	.2220	.1224	.1306	.3226	.1402	.1782
#1	2945.	.3422	.0868	1.420	.3667	.3240
#2	2954.	.3416	.0866	1.427	.3659	.3232

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2163.8	67834.	3888.9	667.22
Stddev	2.9	81.	2.5	1.25
%RSD	.13593	.11873	.06468	.18731
#1	2165.8	67891.	3887.2	668.11
#2	2161.7	67777.	3890.7	666.34

Sample Name: STD B Acquired: 1/6/2010 9:26:42 Type: Cal
 Method: 2009D(v18) Mode: IR Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: ICP6-88-C

Elem	Al3944	As1890	Ba4554	Ca3158	Fe2599	Mg2790	Mg2852
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	R 73220.	449.8	R 97.14	1.888	2.175	.2430	R 21770.
Stddev	291.	1.8	2.27	.003	.003	.0035	411.
%RSD	.3978	.4020	2.332	.1750	.1266	1.431	1.887

#1	73420.	448.5	95.54	1.885	2.177	.2405	22060.
#2	73010.	451.1	98.75	1.890	2.173	.2454	21480.

Elem	K_7664	Na5895	P_2149	Si2516	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4991.	22290.	3654.	2074.	16470.	12.468
Stddev	126.	449.	5.	42.	436.	.049
%RSD	2.532	2.015	.1426	2.021	2.647	.39432

#1	5080.	22610.	3651.	2104.	16780.	12.503
#2	4901.	21970.	3658.	2044.	16160.	12.433

Int. Std.	Y_2243	Y_3600-2
Units	Cts/S	Cts/S
Avg	2101.6	3832.5
Stddev	5.6	71.4
%RSD	.26814	1.8635

#1	2105.6	3883.0
#2	2097.6	3782.0

Sample Name: ICV1 Acquired: 1/6/2010 9:30:24 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: ICP6-83-B

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.289	1.279	.0022	.0133	2.056	2.505	.0023	.00098
Stddev	.004	.006	.0059	.0083	.000	.012	.0008	.00004
%RSD	.2839	.4942	270.2	62.48	.0030	.4646	33.63	4.2489
#1	1.292	1.274	.0064	.0074	2.056	2.497	.0028	.00095
#2	1.286	1.283	-.0020	.0192	2.056	2.513	.0017	.00101

Check ?	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass	None	None
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2126.8	66576.	3892.0	640.87
Stddev	2.4	152.	82.6	.25
%RSD	.11436	.22762	2.1234	.03850
#1	2128.6	66469.	3833.6	641.04
#2	2125.1	66684.	3950.4	640.69

Sample Name: ICVB1 Acquired: 1/6/2010 9:33:23 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: ICP6-80-C

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9924	.9920	.0029	-.0020	.0012	.00001	2.050	.0003	5.101
Stddev	.0015	.0032	.0036	.0048	.0001	.00005	.017	.0000	.000
%RSD	.1486	.3184	124.3	240.2	11.59	650.18	.8142	3.805	.0037
#1	.9913	.9942	.0055	.0014	.0013	-.00003	2.061	.0003	5.101
#2	.9934	.9898	.0004	-.0054	.0011	.00004	2.038	.0003	5.101
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None
Value Range									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.098	-.0009	-.0001	-.0001	10.00	.0009	4.979	5.044	5.123
Stddev	.136	.0015	.0002	.0000	.06	.0011	.018	.014	.016
%RSD	2.671	164.8	162.5	24.87	.6108	113.7	.3638	.2701	.3164
#1	5.001	-.0019	.0000	-.0001	10.05	.0017	4.992	5.053	5.112
#2	5.194	.0001	-.0003	-.0001	9.960	.0002	4.966	5.034	5.135
Check ?	Chk Pass	None	None	None	None	None	None	Chk Pass	None
Value Range									

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.711	9.992	.0002	.0007	.0836	-.0048	-.0014	.0181	5.066
Stddev	.079	.054	.0004	.0001	.0242	.0022	.0010	.0136	.047
%RSD	.8098	.5381	167.2	12.76	28.96	46.04	69.20	74.95	.9176
#1	9.655	9.954	.0000	.0008	.1007	-.0032	-.0007	.0085	5.033
#2	9.767	10.03	.0005	.0006	.0665	-.0063	-.0021	.0277	5.099
Check ?	None	None	None	None	None	None	None	None	Chk Pass
Value Range									

Sample Name: ICVB1 Acquired: 1/6/2010 9:33:23 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: ICP6-80-C

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	.0009	5.101	5.138	.0008	.0059	2.042	1.9709
Stddev	.0001	.0001	.009	.016	.0001	.0020	.011	.0015
%RSD	10.59	6.113	.1689	.3094	16.58	33.64	.5242	.07714
#1	.0007	.0009	5.107	5.126	.0007	.0073	2.035	1.9698
#2	.0008	.0009	5.095	5.149	.0009	.0045	2.050	1.9720

Check ?	None	None	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2149.8	67265.	3855.5	657.70
Stddev	6.8	127.	10.9	5.22
%RSD	.31561	.18838	.28346	.79367
#1	2154.6	67355.	3847.8	661.40
#2	2145.0	67175.	3863.2	654.01

Sample Name: ICB Acquired: 1/6/2010 9:36:34 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209

Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0018	.0015	-.0031	-.0001	.00000	.0046	.0002	-.0058
Stddev	.0002	.0030	.0011	.0014	.0001	.0001	.0007	.0000	.0053
%RSD	60.66	165.8	71.97	43.37	111.3	8544.9	15.09	2.071	91.53
#1	.0005	-.0003	.0022	-.0022	-.0002	.00004	.0041	.0002	-.0095
#2	.0002	.0039	.0007	-.0041	.0000	-.00004	.0051	.0002	-.0020

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	-.0004	.0000	.0002	.0072	-.0002	-.0055	.0003	.0004
Stddev	.0000	.0004	.000	.0002	.0019	.0003	.0055	.0001	.0003
%RSD	2.352	99.51	397.5	154.5	26.61	168.9	101.1	18.86	66.55
#1	.0005	-.0007	.0001	.0003	.0058	.0000	-.0016	.0004	.0006
#2	.0005	-.0001	-.0001	.0000	.0085	-.0004	-.0094	.0003	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	-.0002	.0000	.0002	.0770	-.0019	.0003	.0027	.0006
Stddev	.0001	.0014	.000	.0004	.0356	.0007	.0002	.0035	.0002
%RSD	16.50	870.0	383.3	184.2	46.22	38.53	73.78	132.4	31.17
#1	.0004	-.0012	.0001	.0006	.0518	-.0024	.0004	.0002	.0007
#2	.0003	.0008	-.0001	-.0001	.1021	-.0014	.0001	.0052	.0005

Check ? Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 1/6/2010 9:36:34 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209

Comment:

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	-.0006	.0042	-.0063	-.0001	.0005	-.0001	.00008
Stddev	.0006	.0001	.0050	.0020	.0001	.0013	.0000	.00009
%RSD	210.1	23.34	120.0	32.62	61.61	284.5	17.48	105.38
#1	.0007	-.0007	.0077	-.0048	-.0001	.0014	-.0002	.00014
#2	-.0001	-.0005	.0006	-.0077	-.0002	-.0005	-.0001	.00002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2154.1	67764.	3881.9	672.79
Stddev	8.7	186.	6.8	3.31
%RSD	.40340	.27456	.17405	.49187
#1	2160.2	67633.	3877.1	675.13
#2	2147.9	67896.	3886.7	670.45

Sample Name: CCVA1 Acquired: 1/6/2010 9:39:22 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209

Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2501	.2413	.2510	.2483	.2498	.24995	.2484	.2489	.2472
Stddev	.0006	.0013	.0019	.0007	.0019	.00050	.0021	.0005	.0004
%RSD	.2565	.5380	.7433	.2709	.7785	.19984	.8496	.1903	.1518

#1	.2496	.2404	.2523	.2488	.2485	.24959	.2469	.2485	.2475
#2	.2505	.2422	.2496	.2478	.2512	.25030	.2499	.2492	.2469

Check ?	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass	None
Value Range									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2533	.2503	.2492	.2492	.2492	.2471	.2383	.2478	.2544
Stddev	.0016	.0010	.0000	.0001	.0028	.0005	.0089	.0011	.0026
%RSD	.6288	.3963	.0150	.0399	1.128	.2005	3.738	.4467	1.010

#1	.2522	.2496	.2492	.2493	.2472	.2475	.2446	.2470	.2526
#2	.2545	.2510	.2492	.2491	.2512	.2468	.2320	.2485	.2562

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	None	Chk Pass	None
Value Range									

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2550	.2512	.2493	.2483	2.508	.2472	.2538	.2488	.2479
Stddev	.0013	.0065	.0000	.0004	.060	.0048	.0012	.0072	.0018
%RSD	.5212	2.586	.0090	.1658	2.388	1.937	.4661	2.874	.7433

#1	.2540	.2558	.2493	.2480	2.465	.2506	.2530	.2538	.2466
#2	.2559	.2466	.2493	.2486	2.550	.2438	.2546	.2437	.2492

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass
Value Range									

Sample Name: CCVA1 Acquired: 1/6/2010 9:39:22 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209

Comment:

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2505	.2476	-.0019	.1134	.2512	.2473	-.0005	.00005
Stddev	.0010	.0011	.0026	.0085	.0004	.0013	.0003	.00001
%RSD	.3821	.4470	140.8	7.478	.1485	.5340	66.38	22.896
#1	.2498	.2484	.0000	.1194	.2510	.2464	-.0008	.00004
#2	.2512	.2468	-.0037	.1074	.2515	.2483	-.0003	.00006

Check ?	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass	None	None
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3600-2	ln2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2170.9	67718.	3894.3	671.32
Stddev	.4	65.	23.0	.52
%RSD	.02041	.09659	.59037	.07724
#1	2170.6	67672.	3910.5	671.69
#2	2171.3	67765.	3878.0	670.96

Sample Name: CCVB1 Acquired: 1/6/2010 9:42:21 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209

Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.441	9.808	-0.0004	1.009	9.954	.00009	.0014	.0002	9.940
Stddev	.007	.081	.0019	.004	.014	.00003	.0017	.0001	.015
%RSD	.0918	.8304	488.6	.3649	.1425	36.140	118.5	60.97	.1496
#1	7.446	9.865	-0.0017	1.006	9.964	.00007	.0026	.0003	9.950
#2	7.436	9.750	.0010	1.011	9.944	.00012	.0002	.0001	9.929

Check ?	None	Chk Pass	None	Chk Pass	Chk Pass	None	None	None	Chk Pass
Value									
Range									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.827	-0.0001	.0002	.0000	9.957	.0006	9.414	9.815	10.02
Stddev	.144	.0000	.0001	.0007	.016	.0012	.002	.008	.13
%RSD	1.466	11.96	63.06	4859.	.1565	193.0	.0156	.0814	1.252
#1	9.725	-0.0002	.0001	.0005	9.968	.0015	9.413	9.821	10.11
#2	9.928	-0.0001	.0003	-0.0005	9.946	-0.0002	9.415	9.810	9.936

Check ?	None	None	None	None	Chk Pass	None	Chk Pass	None	Chk Pass
Value									
Range									

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	-0.0007	-0.0005	.0006	10.02	.0005	-0.0013	10.01	.0005
Stddev	.0001	.0002	.0000	.0003	.03	.0042	.0011	.10	.0009
%RSD	31.44	28.54	2.423	49.03	.2535	800.6	80.67	1.032	176.8
#1	.0002	-0.0008	-0.0005	.0004	10.04	.0035	-0.0006	10.08	.0011
#2	.0003	-0.0005	-0.0005	.0009	10.00	-0.0024	-0.0021	9.932	-0.0001

Check ?	None	None	None	None	Chk Pass	None	None	Chk Pass	None
Value									
Range									

Sample Name: CCVB1 Acquired: 1/6/2010 9:42:21 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209

Comment:

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0007	10.06	9.932	.0006	.0000	.9999	.98394
Stddev	.0003	.0001	.03	.037	.0000	.0013	.0074	.00027
%RSD	347.6	14.93	.2834	.3698	.7655	2944.	.7366	.02737
#1	-.0001	.0006	10.04	9.958	.0006	-.0009	1.005	.98414
#2	.0003	.0007	10.08	9.906	.0006	.0010	.9947	.98375

Check ? Value Range	None	None	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass
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Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2150.1	66620.	3853.5	646.95
Stddev	.6	252.	37.2	.11
%RSD	.02926	.37847	.96556	.01694
#1	2149.6	66442.	3879.8	646.87
#2	2150.5	66799.	3827.2	647.03

Sample Name: CCB1 Acquired: 1/6/2010 9:45:27 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0007	.0008	.0016	.0004	-.00002	.0004	.0001
Stddev	.0004	.0009	.0013	.0023	.0003	.00001	.0004	.0001
%RSD	123.9	134.2	157.2	145.4	93.16	73.330	90.85	138.0
#1	.0006	.0000	.0018	.0000	.0006	-.00001	.0002	.0002
#2	.0000	.0013	-.0001	.0032	.0001	-.00002	.0007	.0000

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0007	.0002	-.0005	-.0005	.0030	.0006	-.0374
Stddev	.0015	.0000	.0001	.0003	.0003	.0002	.0016	.0336
%RSD	1904.	5.773	43.55	66.88	62.80	5.299	284.1	89.66
#1	-.0010	.0007	.0001	-.0007	-.0007	.0029	-.0006	-.0137
#2	.0012	.0007	.0002	-.0002	-.0003	.0031	.0017	-.0612

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None
 High Limit
 Low Limit

Elem	Mg2795	Mg2852	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	-.0003	.0002	-.0003	-.0002	.0000	-.0049	-.0008
Stddev	.0000	.0012	.0001	.0010	.0003	.0002	.0027	.0005
%RSD	2.130	413.4	46.25	393.7	203.2	45000.	55.20	55.62
#1	.0005	.0006	.0002	-.0010	.0001	-.0002	-.0069	-.0005
#2	.0005	-.0012	.0001	.0005	-.0004	.0002	-.0030	-.0011

Check ? Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB1 Acquired: 1/6/2010 9:45:27 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Ag3280	Na5895	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0011	.0069	.0009	.0000	-.0001	.0024	-.0080	.0000
Stddev	.0015	.0010	.0005	.0001	.0006	.0039	.0010	.0001
%RSD	136.6	14.33	54.94	521.7	460.4	159.4	12.82	2969.

#1	-.0022	.0062	.0012	.0001	-.0006	.0052	-.0072	.0001
#2	.0000	.0076	.0005	-.0001	.0003	-.0003	-.0087	-.0001

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.0016	-.0007	.00007
Stddev	.0008	.0005	.00007
%RSD	53.11	77.11	108.13

#1	-.0010	-.0003	.00012
#2	-.0022	-.0010	.00002

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3600-2	ln2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2172.8	67641.	3871.3	677.16
Stddev	.6	390.	6.2	.74
%RSD	.02647	.57700	.16050	.10999

#1	2172.4	67917.	3866.9	676.63
#2	2173.2	67365.	3875.7	677.68

Sample Name: CRI Acquired: 1/6/2010 9:48:14 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: ICP6-94-B

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0530	.0485	.0555	.1010	.0053	.00517	.0517	.0052	.0550
Stddev	.0001	.0004	.0004	.0008	.0002	.00012	.0008	.0001	.0008
%RSD	.2449	.9054	.6648	.8315	4.116	2.3162	1.627	2.607	1.457

#1	.0531	.0488	.0553	.1005	.0052	.00509	.0523	.0051	.0556
#2	.0529	.0482	.0558	.1016	.0055	.00526	.0511	.0053	.0544

Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0537	.0048	.0102	.0101	.0186	.0493	.0308	.0201	.0205
Stddev	.0004	.0004	.0000	.0003	.0014	.0014	.0186	.0002	.0003
%RSD	.8196	9.044	.0502	2.901	7.655	2.903	60.38	.9400	1.584

#1	.0534	.0051	.0102	.0103	.0176	.0503	.0177	.0200	.0203
#2	.0540	.0045	.0102	.0098	.0196	.0483	.0440	.0202	.0207

Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value									
Range									

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0056	.0047	.0104	.0210	.4126	.1013	.0120	.2022	.0505
Stddev	.0001	.0023	.0003	.0003	.0543	.0008	.0009	.0032	.0004
%RSD	1.400	48.24	2.538	1.486	13.16	.8073	7.592	1.568	.7812

#1	.0057	.0031	.0103	.0213	.3743	.1007	.0113	.2045	.0508
#2	.0055	.0063	.0106	.0208	.4510	.1019	.0126	.2000	.0502

Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Sample Name: CRI Acquired: 1/6/2010 9:48:14 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: ICP6-94-B

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0104	.0099	.1952	.4034	.0106	.2083	.0107	.01004
Stddev	.0011	.0003	.0013	.0027	.0001	.0013	.0003	.00004
%RSD	10.56	3.083	.6629	.6763	.9955	.6316	3.065	.42526
#1	.0096	.0101	.1943	.4015	.0105	.2074	.0109	.01001
#2	.0111	.0097	.1961	.4053	.0107	.2092	.0105	.01007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2172.6	68017.	3930.1	672.89
Stddev	6.7	144.	12.3	1.91
%RSD	.30825	.21120	.31188	.28350
#1	2177.4	67915.	3921.5	674.24
#2	2167.9	68119.	3938.8	671.54

Sample Name: CRI Acquired: 1/6/2010 9:51:20 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/100 ICP6-85-B

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025	.0047	.0093	.0102	.0019	.00020	.0092	.0005	.0054
Stddev	.0002	.0005	.0007	.0004	.0001	.00009	.0001	.0001	.0047
%RSD	7.180	10.45	7.536	3.692	4.653	48.687	.5456	15.09	87.43

#1	.0026	.0051	.0097	.0105	.0018	.00026	.0091	.0004	.0020
#2	.0024	.0044	.0088	.0100	.0019	.00013	.0092	.0005	.0087

Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0060	.0021	.0009	.0016	.0162	.0098	-.0126	.0021	.0011
Stddev	.0000	.0005	.0001	.0001	.0011	.0022	.0373	.0001	.0011
%RSD	.0186	23.31	8.214	8.508	6.816	22.69	295.9	5.479	98.13

#1	.0060	.0025	.0008	.0017	.0154	.0083	-.0390	.0022	.0019
#2	.0060	.0018	.0009	.0015	.0169	.0114	.0138	.0020	.0003

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	None
Value									
Range									

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0006	.0020	.0026	.1101	.0196	.0030	.1939	.0099
Stddev	.0000	.0002	.0002	.0002	.0055	.0018	.0007	.0081	.0002
%RSD	6.151	36.75	12.39	6.910	4.970	9.415	23.69	4.182	2.187

#1	.0007	.0008	.0022	.0027	.1139	.0183	.0025	.1996	.0097
#2	.0008	.0005	.0018	.0024	.1062	.0209	.0035	.1881	.0100

Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Sample Name: CRI Acquired: 1/6/2010 9:51:20 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/100 ICP6-85-B

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024	.0022	.0202	.0565	.0011	.0099	.0104	.00039
Stddev	.0003	.0002	.0060	.0041	.0001	.0009	.0002	.00004
%RSD	12.89	8.614	29.68	7.251	7.498	9.134	2.052	11.239
#1	.0022	.0021	.0160	.0593	.0010	.0105	.0102	.00042
#2	.0026	.0023	.0244	.0536	.0011	.0092	.0105	.00036

Check ? Value Range	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2166.4	67578.	3863.9	671.97
Stddev	9.5	312.	35.2	3.88
%RSD	.44043	.46222	.91164	.57759
#1	2173.1	67799.	3888.8	674.71
#2	2159.6	67357.	3839.0	669.22

Sample Name: ICSA Acquired: 1/6/2010 9:54:07 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: ICP6-90-B

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.22	474.4	.0139	-.0125	.0007	-.00039	.0094	.0041
Stddev	.02	1.3	.0018	.0005	.0002	.00002	.0018	.0001
%RSD	.0824	.2672	12.96	3.714	30.77	5.2046	19.44	1.739

#1	24.21	475.3	.0151	-.0122	.0009	-.00038	.0081	.0042
#2	24.24	473.5	.0126	-.0128	.0006	-.00040	.0107	.0041

Check ?	None	Chk Pass	None	None	None	None	None	None
Value Range								

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	473.1	*****	-.0006	.0003	.0095	182.7	.0016	505.4
Stddev	.9	----	.0004	.0007	.0005	.6	.0013	.4
%RSD	.1868	----	65.85	270.5	4.997	.3181	81.63	.0862

#1	473.8	----	-.0009	-.0002	.0099	183.1	.0025	505.1
#2	472.5	----	-.0003	.0008	.0092	182.3	.0007	505.8

Check ?	Chk Pass	None	None	None	None	Chk Pass	None	Chk Pass
Value Range								

Elem	Mg2795	Mg2852	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	193.9	429.0	.0066	.0131	-.0028	.0004	-.0429	-.0118
Stddev	.1	3.6	.0003	.0002	.0006	.0004	.0388	.0117
%RSD	.0526	.8410	3.772	1.528	22.07	85.65	90.59	98.97

#1	194.0	426.5	.0065	.0133	-.0032	.0002	-.0703	-.0200
#2	193.8	431.6	.0068	.0130	-.0023	.0007	-.0154	-.0035

Check ?	None	None	None	None	None	None	None	None
Value Range								

Sample Name: ICSA Acquired: 1/6/2010 9:54:07 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: ICP6-90-B

Elem	Ag3280	Na5895	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0017	.1390	.0042	.0023	.0128	.0518	-.0099	.0109
Stddev	.0011	.0085	.0018	.0003	.0005	.0070	.0071	.0000
%RSD	62.62	6.093	43.08	13.51	3.575	13.52	72.30	.3398
#1	-.0025	.1330	.0055	.0021	.0131	.0469	-.0149	.0109
#2	-.0010	.1450	.0029	.0025	.0125	.0568	-.0048	.0109
Check ?	None	None	None	None	None	None	None	None
Value Range								

Elem	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.0019	.0094	.00608
Stddev	.0040	.0010	.00008
%RSD	204.0	10.82	1.3426
#1	.0009	.0101	.00614
#2	-.0047	.0087	.00602
Check ?	None	None	None
Value Range			

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1883.6	58097.	3679.8	516.62
Stddev	1.3	100.	9.2	.95
%RSD	.06938	.17284	.24976	.18341
#1	1884.6	58168.	3673.3	517.29
#2	1882.7	58026.	3686.3	515.95

Sample Name: ICSAB Acquired: 1/6/2010 9:57:52 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: ICP6-94-C

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.09	473.0	.9104	-.0129	.5059	.46827	.0077	.9077	473.2
Stddev	.09	.8	.0088	.0002	.0041	.00370	.0013	.0029	1.9
%RSD	.3629	.1738	.9615	1.395	.8074	.79087	17.10	.3209	.4061
#1	24.03	472.4	.9042	-.0128	.5088	.46565	.0087	.9057	474.5
#2	24.16	473.6	.9166	-.0130	.5030	.47089	.0068	.9098	471.8
Check ?	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value									
Range									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	*****	.4938	.4603	.4800	182.5	1.006	508.8	195.9	419.6
Stddev	----	.0018	.0002	.0018	1.1	.000	.1	.1	6.4
%RSD	----	.3577	.0418	.3832	.5765	.0088	.0200	.0296	1.522
#1	----	.4950	.4605	.4787	183.2	1.006	508.9	195.8	415.1
#2	----	.4925	.4602	.4813	181.7	1.006	508.7	195.9	424.1
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None
Value									
Range									

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4861	.5196	-.0023	.8924	.0013	-.0049	.9410	.1378	.0039
Stddev	.0021	.0148	.0004	.0013	.0004	.0059	.0099	.0036	.0007
%RSD	.4218	2.847	15.95	.1477	33.39	122.0	1.052	2.640	18.39
#1	.4847	.5300	-.0021	.8915	.0016	-.0007	.9480	.1404	.0044
#2	.4876	.5091	-.0026	.8934	.0010	-.0091	.9340	.1352	.0034
Check ?	Chk Pass	Chk Pass	None	Chk Pass	None	None	Chk Pass	None	None
Value									
Range									

Sample Name: ICSAB Acquired: 1/6/2010 9:57:52 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: ICP6-94-C

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5177	1.004	.0646	.0004	.0108	-.0025	.0100	.00583
Stddev	.0010	.000	.0121	.0204	.0001	.0023	.0008	.00008
%RSD	.1869	.0223	18.79	4829.	1.277	89.82	7.792	1.3266
#1	.5171	1.003	.0732	.0148	.0107	-.0042	.0106	.00589
#2	.5184	1.004	.0560	-.0140	.0109	-.0009	.0095	.00578
Check ?	Chk Pass	Chk Pass	None	None	None	None	None	None
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1885.2	58231.	3643.8	519.52
Stddev	2.0	345.	8.1	.31
%RSD	.10348	.59208	.22218	.05886
#1	1886.5	57988.	3638.1	519.73
#2	1883.8	58475.	3649.5	519.30

Sample Name: RB Acquired: 1/6/2010 10:01:27 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0042	F .0087	.0032	-.0005	F -.0002	-.00004	F -.0003	.0001

#1	.0051	.0105	.0006	.0022	.0001	-.00001	.0003	.0002
#2	.0032	.0068	.0058	-.0031	-.0005	-.00007	-.0009	.0001

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0085	.0090	F -.0004	-.0004	-.0002	.0203	-.0010	.0072

#1	.0053	.0095	-.0003	-.0005	-.0001	.0227	-.0003	.0077
#2	.0117	.0084	-.0005	-.0003	-.0003	.0179	-.0017	.0068

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0073	.0001	-.0006	.0004	.0286	-.0029	-.0013	.0077

#1	.0070	.0000	-.0005	.0003	.0213	-.0012	-.0002	.0098
#2	.0077	.0001	-.0007	.0005	.0360	-.0045	-.0023	.0057

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0001	F .0005	-.0007	.0002	.0000	.0011	-.0001

#1	-.0004	.0000	.0008	-.0021	-.0005	.0000	.0010	.0005
#2	.0008	.0003	.0002	.0007	.0010	.0000	.0011	-.0007

Elem	Sr4077
Units	ppm
Avg	.00009

#1	.00016
#2	.00003

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2159.3	67850.	3883.3	670.38

#1	2163.3	67537.	3871.3	670.89
#2	2155.3	68163.	3895.4	669.86

Sample Name: K0911992-MB Acquired: 1/6/2010 10:04:32 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0047	.0043	.0046	-.0014	-.0001	.00002	.0001	.0000

#1	.0045	.0042	.0045	-.0035	-.0002	.00000	.0001	.0000
#2	.0049	.0044	.0047	.0007	.0000	.00003	.0001	.0000

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.0044	.0005	-.0003	-.0008	.0061	-.0003	.0017

#1	.0050	.0044	.0004	-.0005	-.0001	.0107	-.0007	.0017
#2	-.0037	.0045	.0007	-.0001	-.0015	.0015	.0001	.0017

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	.0002	-.0006	.0003	-.0087	-.0004	-.0013	-.0074

#1	-.0003	.0002	-.0008	.0003	.0090	-.0030	.0001	.0032
#2	.0032	.0002	-.0004	.0004	-.0264	.0023	-.0028	-.0179

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0185	.0004	.0003	.0084	-.0002	-.0002	-.0015	-.0011

#1	.0193	.0005	.0003	.0065	.0068	-.0003	-.0013	-.0008
#2	.0178	.0004	.0003	.0103	-.0072	-.0001	-.0018	-.0014

Elem	Sr4077
Units	ppm
Avg	-.00001

#1	.00008
#2	-.00009

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2158.1	67916.	3864.3	665.80

#1	2154.2	67903.	3902.4	666.14
#2	2162.0	67929.	3826.2	665.46

Sample Name: K0911857-001 Acquired: 1/6/2010 10:07:21 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: FROM BOTTLE

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019	F -.0006	-.0012	.0028	.0919	.00008	F .0352	.0001

#1	.0018	.0001	-.0014	.0036	.0928	.00010	.0347	.0000
#2	.0020	-.0013	-.0011	.0019	.0910	.00007	.0357	.0001

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.442	9.225	F .0000	.0004	.0007	.0397	.0043	3.965

#1	9.469	9.288	-.0003	.0002	.0003	.0374	.0040	3.975
#2	9.415	9.162	.0003	.0005	.0011	.0419	.0046	3.954

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.197	.0154	.0011	.0030	14.94	.0024	.0003	51.99

#1	4.224	.0154	.0009	.0029	15.05	.0011	.0009	52.21
#2	4.170	.0153	.0013	.0031	14.84	.0036	-.0003	51.78

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	.0003	.0299	.0186	28.22	.0001	-.0012	.0072

#1	.0008	.0001	.0300	.0212	28.36	.0002	-.0012	.0072
#2	.0014	.0004	.0299	.0160	28.08	.0001	-.0011	.0071

Elem	Sr4077
Units	ppm
Avg	.07781

#1	.07860
#2	.07703

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2177.6	67750.	4001.5	659.44

#1	2174.4	67687.	4000.2	657.94
#2	2180.9	67812.	4002.9	660.95

Sample Name: LCSS Acquired: 1/6/2010 10:10:30 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	43.37	.5018	.4545	2.177	.30566	.5512	.4685	47.94	.7692

#1	43.14	.5003	.4524	2.179	.30422	.5493	.4678	48.02	.7710
#2	43.60	.5033	.4566	2.174	.30710	.5531	.4692	47.85	.7673

Elem	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576	Mo2020	Ni2216	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.008	1.292	84.09	.5568	20.12	2.569	.3399	1.045	21.43

#1	1.008	1.285	84.37	.5558	19.96	2.579	.3399	1.046	21.28
#2	1.008	1.300	83.80	.5578	20.29	2.559	.3399	1.045	21.59

Elem	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9525	.4045	3.719	.7817	.9485	1.583	4.135	7.611	2.325

#1	.9510	.4042	3.682	.7830	.9506	1.587	4.115	7.587	2.328
#2	.9541	.4048	3.757	.7805	.9463	1.579	4.156	7.635	2.322

Elem	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.342	.0454	.66364

#1	1.345	.0447	.66236
#2	1.340	.0461	.66492

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2205.0	68959.	4064.3	621.34

#1	2204.1	68681.	4027.5	620.05
#2	2205.8	69237.	4101.2	622.63

Sample Name: K0911992-001 Acquired: 1/6/2010 10:13:56 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 69.11	.0060	.0087	1.012	.00258	F .0125	.0016	F 103.9

#1	69.05	.0084	.0084	1.013	.00254	.0128	.0015	103.9
#2	69.18	.0037	.0090	1.010	.00262	.0122	.0016	103.9

Elem	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1607	.0470	.2169	F 95.55	.0353	F 38.62	2.161	-.0015

#1	.1612	.0474	.2177	95.71	.0340	38.54	2.163	-.0009
#2	.1601	.0466	.2161	95.39	.0367	38.70	2.158	-.0021

Elem	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0966	7.847	-.0019	-.0016	.5699	.0248	.2552	.2844

#1	.0968	7.932	-.0042	-.0024	.5641	.0258	.2550	.2842
#2	.0964	7.762	.0004	-.0008	.5756	.0238	.2554	.2847

Elem	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.622	7.817	2.929	.0022	.0392	.51382

#1	1.620	7.798	2.932	.0037	.0374	.51331
#2	1.624	7.835	2.925	.0008	.0410	.51434

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2168.9	67699.	4042.6	606.40

#1	2167.2	67710.	4040.9	605.40
#2	2170.6	67688.	4044.3	607.40

Sample Name: K0911992-001D Acquired: 1/6/2010 10:17:26 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 71.94	.0030	.0104	1.055	.00267	F .0112	.0013	F 97.92

#1	72.11	.0059	.0115	1.063	.00260	.0104	.0012	97.96
#2	71.76	.0000	.0093	1.046	.00275	.0120	.0015	97.89

Elem	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1673	.0508	.2754	F 99.67	.0356	F 39.83	2.431	-.0010

#1	.1666	.0506	.2777	99.74	.0343	39.71	2.414	-.0015
#2	.1680	.0509	.2731	99.60	.0369	39.96	2.449	-.0005

Elem	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1036	8.200	-.0009	-.0033	.5754	.0261	.2629	.3217

#1	.1033	8.218	-.0054	-.0034	.5745	.0275	.2611	.3215
#2	.1038	8.182	.0035	-.0032	.5762	.0247	.2647	.3218

Elem	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.653	8.263	3.075	-.0002	.0410	.51400

#1	1.650	8.216	3.074	-.0003	.0390	.51771
#2	1.655	8.310	3.077	-.0001	.0430	.51029

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2174.2	67717.	4011.8	606.36

#1	2171.4	68143.	3998.2	604.53
#2	2177.0	67292.	4025.5	608.20

Sample Name: CCVA2 Acquired: 1/6/2010 10:20:54 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209

Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2491	.2392	.2522	.2527	.2463	.25148	.2511	.2490	.2437
Stddev	.0005	.0019	.0035	.0017	.0046	.00011	.0001	.0001	.0078
%RSD	.1852	.8049	1.371	.6815	1.869	.04178	.0215	.0400	3.209
#1	.2488	.2405	.2547	.2539	.2495	.25155	.2510	.2490	.2493
#2	.2494	.2378	.2498	.2515	.2430	.25140	.2511	.2489	.2382
Check ?	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass	None
Value Range									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2517	.2488	.2487	.2510	.2556	.2471	.2695	.2472	.2514
Stddev	.0010	.0008	.0004	.0007	.0031	.0002	.0170	.0006	.0002
%RSD	.4047	.3077	.1599	.2744	1.219	.0711	6.314	.2429	.0952
#1	.2525	.2483	.2484	.2515	.2578	.2470	.2816	.2476	.2513
#2	.2510	.2494	.2489	.2506	.2534	.2472	.2575	.2468	.2516
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	None	Chk Pass	None
Value Range									

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2505	.2509	.2482	.2481	2.464	.2472	.2473	.2177	.2473
Stddev	.0001	.0047	.0006	.0009	.021	.0004	.0006	.0049	.0022
%RSD	.0579	1.891	.2361	.3529	.8468	.1812	.2613	2.237	.9093
#1	.2504	.2542	.2486	.2475	2.449	.2475	.2469	.2212	.2457
#2	.2506	.2475	.2478	.2487	2.479	.2469	.2478	.2143	.2489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass
Value Range									

Sample Name: CCVA2 Acquired: 1/6/2010 10:20:54 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2479	.2485	-.0002	.1139	.2512	.2489	-.0004	.00010
Stddev	.0008	.0005	.0026	.0108	.0008	.0001	.0008	.00001
%RSD	.3122	.2205	1263.	9.485	.3257	.0482	208.7	10.148
#1	.2474	.2481	.0016	.1215	.2506	.2488	.0002	.00009
#2	.2485	.2489	-.0021	.1063	.2517	.2490	-.0009	.00010

Check ? Value Range	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass	None	None
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Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2181.7	68433.	3938.3	673.82
Stddev	4.2	101.	48.4	.37
%RSD	.19346	.14807	1.2291	.05457
#1	2178.7	68504.	3904.0	674.08
#2	2184.6	68361.	3972.5	673.56

Sample Name: CCVB2 Acquired: 1/6/2010 10:23:55 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.381	9.777	-0.0025	1.008	9.923	.00006	-0.0005	.0002	9.917
Stddev	.015	.031	.0012	.002	.075	.00009	.0002	.0002	.010
%RSD	.2061	.3141	47.33	.1913	.7604	149.90	39.60	106.4	.1036
#1	7.370	9.755	-0.0033	1.006	9.976	.00000	-0.0003	.0000	9.924
#2	7.391	9.799	-0.0016	1.009	9.870	.00012	-0.0006	.0003	9.910
Check ?	None	Chk Pass	None	Chk Pass	Chk Pass	None	None	None	Chk Pass
Value Range									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.816	-0.0002	.0002	-0.0002	9.807	.0021	9.501	9.710	10.08
Stddev	.070	.0001	.0001	.0005	.034	.0025	.127	.002	.03
%RSD	.7111	33.68	58.18	328.7	.3424	114.8	1.339	.0235	.2692
#1	9.767	-0.0003	.0001	.0002	9.831	.0004	9.411	9.712	10.10
#2	9.866	-0.0002	.0003	-0.0006	9.783	.0039	9.591	9.709	10.06
Check ?	None	None	None	None	Chk Pass	None	Chk Pass	None	Chk Pass
Value Range									

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	-0.0010	-0.0008	.0006	10.01	.0007	-0.0007	10.13	.0001
Stddev	.0001	.0022	.0001	.0000	.03	.0001	.0001	.01	.0008
%RSD	25.05	215.0	12.57	4.772	.2778	13.99	18.66	.1375	563.6
#1	.0002	-0.0025	-0.0007	.0006	10.03	.0008	-0.0008	10.14	.0007
#2	.0003	.0005	-0.0009	.0006	9.995	.0007	-0.0006	10.12	-0.0004
Check ?	None	None	None	None	Chk Pass	None	None	Chk Pass	None
Value Range									

Sample Name: CCVB2 Acquired: 1/6/2010 10:23:55 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0009	10.07	9.905	.0005	.0001	1.011	.97539
Stddev	.0003	.0001	.01	.036	.0001	.0005	.004	.00655
%RSD	44.09	5.927	.1209	.3663	20.26	468.9	.3982	.67183
#1	.0004	.0010	10.08	9.931	.0004	.0004	1.014	.98003
#2	.0009	.0009	10.06	9.880	.0005	-.0002	1.008	.97076

Check ?	None	None	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2149.8	67086.	3908.0	647.21
Stddev	11.4	250.	2.6	.53
%RSD	.52866	.37338	.06640	.08201
#1	2157.8	67264.	3909.9	647.58
#2	2141.7	66909.	3906.2	646.83

Sample Name: CCB2 Acquired: 1/6/2010 10:27:00 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	-.0020	.0011	.0013	.0007	.00005	-.0010	.0002
Stddev	.0003	.0006	.0009	.0000	.0000	.00001	.0007	.0001
%RSD	38.36	30.35	77.71	.0048	1.835	13.308	70.62	55.75

#1	.0009	-.0025	.0005	.0013	.0007	.00005	-.0014	.0002
#2	.0005	-.0016	.0017	.0013	.0006	.00004	-.0005	.0001

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0011	.0001	.0001	-.0009	.0062	-.0006	-.0174
Stddev	.0069	.0001	.0001	.0004	.0004	.0018	.0004	.0156
%RSD	990.1	11.52	206.0	608.8	46.32	29.37	65.25	89.31

#1	.0056	.0012	.0002	-.0002	-.0006	.0074	-.0003	-.0284
#2	-.0042	.0011	.0000	.0003	-.0012	.0049	-.0009	-.0064

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
High Limit								
Low Limit								

Elem	Mg2795	Mg2852	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	.0004	.0002	-.0001	-.0005	.0003	.0260	.0001
Stddev	.0001	.0020	.0000	.0007	.0000	.0004	.0367	.0022
%RSD	12.46	495.0	17.08	712.5	3.840	107.0	141.0	2500.

#1	.0009	.0019	.0002	-.0006	-.0006	.0001	.0001	.0016
#2	.0008	-.0010	.0002	.0004	-.0005	.0006	.0520	-.0014

Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB2 Acquired: 1/6/2010 10:27:00 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Ag3280	Na5895	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	-.0562	-.0007	.0000	.0001	.0042	.0012	-.0001
Stddev	.0005	.0032	.0009	.000	.0003	.0034	.0147	.0000
%RSD	102.0	5.649	127.8	600.9	221.6	81.46	1212.	71.56
#1	-.0009	-.0584	-.0014	.0001	-.0001	.0066	.0116	.0000
#2	-.0002	-.0539	-.0001	-.0001	.0004	.0018	-.0092	-.0001

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0002	-.0010	-.00001
Stddev	.0008	.0002	.00020
%RSD	474.0	14.83	2669.0
#1	-.0004	-.0009	-.00015
#2	.0007	-.0011	.00013

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2163.9	67813.	3882.8	669.56
Stddev	1.6	22.	13.9	1.66
%RSD	.07407	.03242	.35738	.24736
#1	2162.8	67828.	3892.6	668.39
#2	2165.1	67797.	3873.0	670.73

Sample Name: K0911992-001L Acquired: 1/6/2010 10:29:48 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/10

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.12	.0041	.0023	.2135	.00059	F .0013	.0002	F 21.80

#1	13.04	.0068	.0005	.2144	.00062	.0026	.0001	21.79
#2	13.21	.0014	.0042	.2127	.00055	-.0001	.0003	21.80

Elem	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795	Mg2852	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0334	.0097	.0433	F 20.44	.0074	7.554	7.880	.4569

#1	.0341	.0098	.0434	20.41	.0073	7.549	7.928	.4602
#2	.0327	.0096	.0431	20.47	.0075	7.558	7.831	.4536

Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	.0208	1.630	-.0015	-.0008	.0860	.0052	.0526

#1	-.0008	.0207	1.648	.0008	-.0013	.0870	.0048	.0530
#2	-.0002	.0209	1.612	-.0038	-.0003	.0851	.0056	.0523

Elem	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0585	.3412	1.570	.6038	.0007	.0070	.10735

#1	.0582	.3437	1.572	.6062	.0006	.0077	.10792
#2	.0588	.3388	1.569	.6014	.0008	.0063	.10677

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2164.8	67619.	3908.5	648.32

#1	2171.1	67161.	3930.1	651.42
#2	2158.6	68077.	3886.9	645.22

Sample Name: K0911992-001S Acquired: 1/6/2010 10:33:07 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 68.27	.2153	.4780	2.998	.05035	.4287	.0468	F 90.65

#1	68.68	.2160	.4796	2.987	.05052	.4288	.0466	90.73
#2	67.86	.2147	.4765	3.009	.05018	.4286	.0469	90.57

Elem	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3502	.5183	.4203	F 94.05	.5291	F 37.62	2.812	.4508

#1	.3505	.5174	.4213	94.16	.5263	37.42	2.824	.4478
#2	.3499	.5193	.4193	93.95	.5319	37.82	2.799	.4538

Elem	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5547	7.551	.4323	.0448	.5291	.0242	.7343	.7687

#1	.5532	7.451	.4303	.0462	.5308	.0244	.7377	.7660
#2	.5563	7.652	.4343	.0435	.5274	.0240	.7308	.7714

Elem	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.500	7.292	2.814	.4939	.0378	.46056

#1	1.506	7.300	2.823	.4936	.0370	.45938
#2	1.493	7.283	2.805	.4942	.0387	.46173

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2165.2	67732.	4004.3	607.51

#1	2169.9	67720.	3988.1	610.18
#2	2160.5	67743.	4020.4	604.84

Sample Name: K0911992-002 Acquired: 1/6/2010 10:36:32 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 53.77	-.0022	.0092	1.081	.00249	F .0081	.0011	15.62

#1	53.40	-.0009	.0097	1.089	.00241	.0074	.0009	15.70
#2	54.14	-.0034	.0087	1.074	.00257	.0087	.0012	15.54

Elem	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1461	.0552	.1252	F 84.59	.0356	F 24.93	3.339	-.0012

#1	.1464	.0552	.1255	84.78	.0366	25.03	3.320	-.0009
#2	.1458	.0552	.1250	84.41	.0347	24.83	3.357	-.0015

Elem	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0993	10.85	-.0016	-.0034	.3980	.0254	.2693	.2415

#1	.0993	10.87	-.0008	-.0027	.3964	.0268	.2674	.2415
#2	.0993	10.83	-.0024	-.0042	.3997	.0240	.2712	.2415

Elem	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9030	7.156	2.901	-.0003	.0275	.15388

#1	.9083	7.201	2.897	-.0008	.0266	.15497
#2	.8977	7.110	2.906	.0001	.0285	.15278

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2223.8	70021.	4076.8	630.02

#1	2226.3	69847.	4072.1	630.68
#2	2221.2	70194.	4081.5	629.36

Sample Name: K0911992-003 Acquired: 1/6/2010 10:40:06 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 65.25	.0027	.0080	1.317	.00275	F .0121	.0010	F 21.50

#1	65.38	.0026	.0068	1.311	.00272	.0135	.0011	21.43
#2	65.11	.0028	.0092	1.324	.00278	.0107	.0009	21.57

Elem	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1399	.0456	.1294	F 85.93	.0359	F 26.67	2.494	-.0005

#1	.1400	.0455	.1300	85.85	.0342	26.63	2.480	-.0004
#2	.1398	.0456	.1289	86.02	.0376	26.71	2.509	-.0006

Elem	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0934	9.640	-.0071	-.0029	.8364	.0236	.2172	.2167

#1	.0938	9.579	-.0088	-.0024	.8399	.0235	.2158	.2162
#2	.0931	9.701	-.0053	-.0033	.8328	.0238	.2186	.2172

Elem	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5765	4.380	1.184	-.0021	.0316	.26823

#1	.5765	4.344	1.183	-.0034	.0318	.26790
#2	.5764	4.417	1.185	-.0007	.0315	.26857

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2217.2	68523.	3970.2	621.65

#1	2213.8	68665.	3967.3	621.49
#2	2220.6	68382.	3973.1	621.82

Sample Name: RB Acquired: 1/6/2010 10:43:40 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	F .0017	.0028	-.0034	F -.0001	-.00003	F -.0028	.0001

#1	.0017	.0003	-.0015	-.0037	-.0002	-.00001	-.0029	.0001
#2	.0012	.0030	.0071	-.0032	.0000	-.00006	-.0027	.0001

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0056	.0027	F -.0002	-.0005	-.0011	F .0118	.0005	.0006

#1	.0016	.0027	.0000	-.0006	-.0013	.0126	.0010	.0006
#2	.0096	.0027	-.0003	-.0003	-.0008	.0109	.0000	.0005

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0002	.0002	-.0001	.0002	.0163	-.0027	.0000	-.0457

#1	.0013	.0002	.0001	.0005	-.0056	-.0006	-.0008	-.0413
#2	-.0009	.0001	-.0004	.0000	.0382	-.0048	.0007	-.0501

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	.0001	F .0004	.0025	.0051	.0000	-.0010	.0004

#1	-.0001	.0001	.0005	-.0007	.0082	-.0001	-.0013	-.0004
#2	-.0006	.0002	.0003	.0058	.0019	.0001	-.0007	.0012

Elem	Sr4077
Units	ppm
Avg	-.00005

#1	.00006
#2	-.00015

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2165.7	67501.	3814.4	674.26

#1	2169.8	67562.	3823.0	675.77
#2	2161.6	67441.	3805.8	672.76

Sample Name: K1000034-MB Acquired: 1/6/2010 10:46:28 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0084	F .0082	.0026	-.0031	F .0002	-.00001	F -.0006	.0000

#1	.0080	.0084	.0021	-.0042	.0003	.00003	-.0006	.0000
#2	.0088	.0079	.0030	-.0020	.0001	-.00005	-.0006	.0000

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0056	.0120	F .0007	-.0002	-.0009	.0303	-.0002	.0051

#1	.0080	.0118	.0009	-.0001	-.0004	.0317	-.0004	.0050
#2	.0032	.0121	.0006	-.0002	-.0015	.0290	.0000	.0052

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0038	.0005	.0000	.0005	.0004	-.0007	-.0007	-.0468

#1	.0024	.0003	.0003	.0002	.0122	.0003	-.0013	-.0494
#2	.0053	.0006	-.0003	.0009	-.0115	-.0017	.0000	-.0442

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0206	.0003	F .0007	.0097	.0111	.0011	-.0018	-.0002

#1	.0210	.0001	.0005	.0049	-.0106	.0012	-.0025	-.0003
#2	.0203	.0006	.0009	.0144	.0328	.0011	-.0012	-.0001

Elem	Sr4077
Units	ppm
Avg	.00015

#1	-.00002
#2	.00032

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2164.7	67671.	3775.7	667.37

#1	2167.9	67569.	3839.3	667.17
#2	2161.5	67774.	3712.1	667.56

Sample Name: LCSW Acquired: 1/6/2010 10:49:33 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0031	.0032	.0002	-.0026	.0004	-.00006	.0001	-.0001
#1	.0032	.0035	.0000	-.0011	.0005	-.00010	-.0007	.0001
#2	.0031	.0029	.0003	-.0041	.0002	-.00002	.0009	-.0003

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0108	.0073	.0000	-.0003	-.0007	.0079	.0005	.0022
#1	.0107	.0072	-.0002	-.0005	-.0007	.0037	.0000	.0022
#2	.0108	.0073	.0002	-.0001	-.0007	.0120	.0010	.0022

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0006	.0003	-.0003	.0006	.0232	-.0014	-.0005	-.0386
#1	-.0005	.0003	-.0007	.0008	-.0583	-.0049	-.0001	-.0450
#2	-.0007	.0004	.0002	.0005	.1047	.0020	-.0009	-.0322

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0204	.0004	.0005	2.538	.0053	-.0001	-.0012	.0000
#1	.0199	.0006	.0004	2.546	-.0014	.0000	-.0023	-.0001
#2	.0209	.0002	.0006	2.529	.0121	-.0002	-.0001	.0001

Elem	Sr4077
Units	ppm
Avg	.00019
#1	.00019
#2	.00019

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2163.6	67518.	3780.9	674.89
#1	2164.1	67780.	3784.1	676.72
#2	2163.0	67256.	3777.6	673.05

Sample Name: K1000034-011 Acquired: 1/6/2010 10:52:22 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1758	.1824	.0025	.0000	.4150	-.00007	F .0059	-.0001

#1	.1756	.1820	.0035	-.0020	.4133	-.00014	.0069	-.0002
#2	.1760	.1827	.0015	.0019	.4167	.00000	.0049	.0000

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8505	.8919	F .0012	-.0004	.0009	F .0173	-.0002	.2119

#1	.8520	.8911	.0013	-.0004	.0010	.0163	.0004	.2112
#2	.8489	.8927	.0012	-.0003	.0008	.0183	-.0009	.2127

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2064	.0019	-.0002	.0009	.2262	.0059	-.0004	>900.0

#1	.2065	.0019	-.0001	.0008	.2726	.0032	-.0012	1184.
#2	.2063	.0018	-.0003	.0010	.1798	.0087	.0003	1164.

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0257	.0001	F .0030	7.874	.5193	.5399	-.0047	.0002

#1	.0266	.0003	.0029	7.879	.5123	.5477	-.0032	-.0005
#2	.0248	.0000	.0030	7.869	.5263	.5321	-.0061	.0010

Elem	Sr4077
Units	ppm
Avg	.01066

#1	.01063
#2	.01069

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1934.9	58615.	3667.7	523.81

#1	1937.0	58727.	3682.6	525.69
#2	1932.8	58504.	3652.8	521.93

Sample Name: K1000034-011D Acquired: 1/6/2010 10:55:37 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1610	.1715	-.0022	.0023	.4163	-.00001	F .0111	.0000

#1	.1610	.1734	.0024	.0013	.4125	-.00003	.0108	.0000
#2	.1610	.1697	-.0068	.0034	.4201	.00002	.0113	.0000

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6267	.6597	F .0007	-.0004	.0012	F .0154	.0009	.2157

#1	.6190	.6580	.0010	-.0003	.0015	.0166	.0010	.2166
#2	.6344	.6615	.0003	-.0004	.0010	.0143	.0009	.2148

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2098	.0018	.0000	.0012	.2687	.0010	-.0003	>900.0

#1	.2103	.0018	.0002	.0013	.2851	.0007	.0002	1211.
#2	.2093	.0018	-.0002	.0012	.2523	.0014	-.0007	1180.

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0238	.0003	F .0026	7.525	.5500	.4734	-.0067	.0013

#1	.0236	.0004	.0028	7.553	.5537	.4856	-.0067	.0016
#2	.0241	.0002	.0023	7.497	.5464	.4611	-.0067	.0011

Elem	Sr4077
Units	ppm
Avg	.01021

#1	.01012
#2	.01030

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1932.0	58472.	3666.4	522.14

#1	1935.8	58392.	3640.5	522.68
#2	1928.2	58553.	3692.4	521.60

Sample Name: K1000034-011L Acquired: 1/6/2010 10:58:51 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/10

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0375	.0378	-.0018	.0003	.0802	.00006	F -.0002	.0000

#1	.0373	.0385	-.0002	-.0015	.0801	.00004	.0006	.0000
#2	.0377	.0372	-.0035	.0020	.0803	.00007	-.0010	.0000

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1777	.1764	F -.0001	.0001	.0001	F .0050	.0013	.0423

#1	.1795	.1756	.0001	-.0001	.0004	.0047	.0005	.0421
#2	.1759	.1772	-.0002	.0002	-.0001	.0054	.0020	.0424

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0404	.0004	.0000	.0008	.0361	.0029	-.0010	241.4

#1	.0416	.0003	-.0002	.0007	.0175	.0034	-.0002	244.1
#2	.0391	.0005	.0003	.0009	.0548	.0025	-.0017	238.7

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0055	-.0003	F .0019	1.625	.1089	.1004	.0004	.0006

#1	.0048	-.0003	.0017	1.630	.1121	.1015	-.0002	.0020
#2	.0061	-.0002	.0021	1.619	.1058	.0993	.0011	-.0008

Elem	Sr4077
Units	ppm
Avg	.00200

#1	.00190
#2	.00209

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2063.4	63786.	3755.6	595.56

#1	2069.5	63625.	3756.7	596.51
#2	2057.4	63948.	3754.4	594.61

Sample Name: CCVA3 Acquired: 1/6/2010 11:02:08 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209

Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2558	.2399	.2539	.2493	.2535	.25077	.2449	.2523	.2443
Stddev	.0008	.0006	.0009	.0001	.0004	.00020	.0001	.0002	.0076
%RSD	.3304	.2707	.3426	.0421	.1405	.08103	.0329	.0727	3.123
#1	.2552	.2404	.2545	.2494	.2538	.25063	.2448	.2521	.2497
#2	.2564	.2395	.2533	.2492	.2533	.25091	.2449	.2524	.2389
Check ?	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass	None
Value Range									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2570	.2538	.2534	.2495	.2552	.2520	.2115	.2509	.2506
Stddev	.0006	.0001	.0004	.0020	.0012	.0011	.0607	.0001	.0019
%RSD	.2387	.0511	.1562	.7869	.4511	.4503	28.70	.0329	.7394
#1	.2574	.2537	.2532	.2509	.2561	.2512	.1686	.2508	.2493
#2	.2566	.2539	.2537	.2482	.2544	.2528	.2544	.2509	.2520
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	None	Chk Pass	None
Value Range									

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2583	.2475	.2572	.2520	2.499	.2493	.2558	.3119	.2530
Stddev	.0009	.0012	.0004	.0004	.001	.0012	.0028	.0024	.0047
%RSD	.3482	.4948	.1519	.1782	.0265	.4840	1.083	.7793	1.841
#1	.2576	.2467	.2575	.2517	2.500	.2484	.2578	.3136	.2563
#2	.2589	.2484	.2569	.2523	2.499	.2502	.2538	.3101	.2497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass
Value Range									

Sample Name: CCVA3 Acquired: 1/6/2010 11:02:08 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2553	.2531	-.0002	.1156	.2541	.2529	-.0002	.00016
Stddev	.0001	.0022	.0042	.0025	.0005	.0008	.0003	.00003
%RSD	.0544	.8650	2033.	2.192	.1993	.3324	170.4	16.016
#1	.2554	.2547	-.0032	.1174	.2537	.2524	.0000	.00018
#2	.2552	.2516	.0028	.1138	.2544	.2535	-.0004	.00014

Check ?	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass	None	None
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2156.6	67207.	3793.7	665.86
Stddev	2.4	76.	17.7	1.07
%RSD	.11337	.11362	.46538	.16047
#1	2158.4	67153.	3781.2	665.11
#2	2154.9	67261.	3806.2	666.62

Sample Name: CCVB3 Acquired: 1/6/2010 11:05:06 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209

Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.562	9.895	.0040	1.013	10.29	.00012	-.0005	.0003	10.05
Stddev	.060	.016	.0056	.006	.03	.00003	.0011	.0001	.05
%RSD	.7970	.1566	139.3	.6427	.2934	25.835	201.2	56.93	.4709

#1	7.520	9.906	.0001	1.009	10.31	.00014	-.0013	.0004	10.08
#2	7.605	9.884	.0080	1.018	10.27	.00010	.0002	.0001	10.02

Check ?	None	Chk Pass	None	Chk Pass	Chk Pass	None	None	None	Chk Pass
Value									
Range									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.963	-.0001	.0002	.0003	10.03	.0002	9.353	9.849	10.06
Stddev	.014	.0004	.0003	.0002	.01	.0005	.064	.019	.08
%RSD	.1364	348.1	138.1	66.36	.1376	229.6	.6836	.1900	.7486

#1	9.953	.0002	.0000	.0002	10.02	.0006	9.398	9.835	10.12
#2	9.973	-.0004	.0004	.0005	10.04	-.0001	9.308	9.862	10.01

Check ?	None	None	None	None	Chk Pass	None	Chk Pass	None	Chk Pass
Value									
Range									

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0028	-.0005	.0008	10.20	-.0027	-.0011	10.01	.0007
Stddev	.0000	.0004	.0006	.0000	.00	.0014	.0015	.03	.0004
%RSD	12.73	13.45	109.8	4.442	.0388	51.73	133.6	.3418	59.64

#1	.0004	.0025	-.0001	.0008	10.20	-.0037	-.0001	10.04	.0004
#2	.0003	.0030	-.0009	.0007	10.20	-.0017	-.0022	9.988	.0010

Check ?	None	None	None	None	Chk Pass	None	None	Chk Pass	None
Value									
Range									

Sample Name: CCVB3 Acquired: 1/6/2010 11:05:06 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	.0007	10.06	9.919	.0007	-0.0007	1.005	1.0160
Stddev	.0000	.0003	.00	.151	.0000	.0011	.002	.0007
%RSD	16.65	41.25	.0030	1.523	4.141	174.0	.1946	.07057
#1	-0.0002	.0009	10.06	10.03	.0007	-0.0015	1.007	1.0165
#2	-0.0002	.0005	10.06	9.812	.0007	.0001	1.004	1.0155
Check ? Value Range	None	None	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2127.8	65830.	3802.8	642.21
Stddev	11.3	10.	25.1	3.35
%RSD	.53199	.01522	.65961	.52133
#1	2135.8	65823.	3820.5	644.58
#2	2119.8	65837.	3785.0	639.85

Sample Name: CCB3 Acquired: 1/6/2010 11:08:12 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209

Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	.0035	.0011	-.0017	.0011	.00009	-.0022	.0001	-.0005
Stddev	.0001	.0011	.0005	.0004	.0003	.00012	.0015	.0001	.0010
%RSD	7.298	32.02	46.00	21.09	29.12	124.63	67.92	146.8	179.4
#1	.0011	.0042	.0008	-.0019	.0013	.00001	-.0011	.0000	.0001
#2	.0012	.0027	.0015	-.0014	.0009	.00018	-.0032	.0002	-.0012

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018	.0003	-.0002	-.0009	.0031	.0009	-.0155	.0012	.0020
Stddev	.0002	.0002	.0002	.0008	.0003	.0011	.0037	.0002	.0012
%RSD	9.355	68.62	76.89	85.35	8.858	117.3	24.07	15.23	59.90
#1	.0019	.0002	-.0003	-.0004	.0033	.0016	-.0128	.0013	.0028
#2	.0017	.0005	-.0001	-.0015	.0029	.0002	-.0181	.0010	.0011

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-.0003	-.0003	.0002	.0227	-.0025	-.0010	.0168	.0001
Stddev	.0001	.0006	.0005	.0001	.0349	.0051	.0002	.0102	.0003
%RSD	65.93	212.8	146.5	73.90	153.8	203.9	18.05	60.76	417.6
#1	.0002	.0001	.0000	.0003	.0474	.0011	-.0009	.0241	-.0001
#2	.0001	-.0006	-.0007	.0001	-.0020	-.0061	-.0011	.0096	.0003

Check ? Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB3 Acquired: 1/6/2010 11:08:12 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209

Comment:

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	-.0002	.0031	-.0012	.0001	-.0002	-.0005	.00001
Stddev	.0002	.0001	.0030	.0017	.0000	.0010	.0023	.00017
%RSD	47.80	45.17	98.51	141.4	96.67	596.5	482.6	1689.1
#1	.0003	-.0003	.0009	.0000	.0000	-.0009	-.0021	-.00011
#2	.0006	-.0001	.0052	-.0024	.0001	.0006	.0012	.00013

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2154.6	67263.	3811.0	669.80
Stddev	6.2	101.	13.6	1.38
%RSD	.28822	.14961	.35722	.20598
#1	2159.0	67192.	3801.4	670.77
#2	2150.2	67334.	3820.6	668.82

Sample Name: K1000034-011S Acquired: 1/6/2010 11:11:00 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1960	.2000	.0022	.0030	.4006	-.00007	F .0070	.0000
#1	.1949	.2000	.0012	.0038	.3979	-.00011	.0079	-.0001
#2	.1970	.2001	.0033	.0023	.4032	-.00004	.0061	.0001
Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7034	.7466	F .0009	-.0004	.0012	F .0189	-.0008	.2153
#1	.6997	.7441	.0004	-.0003	.0013	.0151	-.0001	.2151
#2	.7072	.7491	.0014	-.0004	.0011	.0226	-.0016	.2156
Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2069	.0019	-.0005	.0014	.2416	.0042	-.0005	>900.0
#1	.2033	.0019	.0001	.0011	.2074	.0049	-.0002	1163.
#2	.2105	.0019	-.0012	.0017	.2758	.0035	-.0009	1190.
Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0263	.0005	F .0034	10.28	.5868	.5446	-.0071	.0006
#1	.0271	.0007	.0037	10.28	.5823	.5394	-.0081	-.0006
#2	.0255	.0003	.0030	10.29	.5912	.5498	-.0061	.0018
Elem	Sr4077							
Units	ppm							
Avg	.01050							
#1	.01029							
#2	.01072							
Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	1914.8	57993.	3707.7	518.96				
#1	1915.5	57982.	3684.3	519.27				
#2	1914.0	58004.	3731.1	518.64				

Sample Name: K1000034-001 Acquired: 1/6/2010 11:14:15 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1212	.1257	.0028	.0040	.4203	-.00002	.0074	.0000

#1	.1208	.1253	.0034	.0026	.4224	.00003	.0070	.0001
#2	.1217	.1262	.0021	.0054	.4182	-.00007	.0079	-.0002

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8447	.8699	.0010	-.0005	.0008	.0178	.0002	.2125

#1	.8478	.8756	.0015	-.0006	.0009	.0204	.0011	.2136
#2	.8417	.8643	.0006	-.0004	.0007	.0152	-.0008	.2114

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2049	.0020	-.0001	.0011	.2437	.0011	-.0012	>900.0

#1	.2030	.0020	-.0003	.0010	.1828	.0011	-.0012	1191.
#2	.2067	.0019	.0001	.0013	.3047	.0012	-.0012	1214.

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0247	.0002	.0032	10.40	.4462	.4981	-.0034	.0001

#1	.0242	.0007	.0032	10.41	.4401	.5080	-.0039	.0012
#2	.0253	-.0004	.0032	10.40	.4522	.4882	-.0028	-.0009

Elem	Sr4077
Units	ppm
Avg	.01035

#1	.01028
#2	.01042

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1936.4	58856.	3693.2	521.20

#1	1942.6	58719.	3657.0	521.68
#2	1930.1	58992.	3729.4	520.72

Sample Name: K1000034-002 Acquired: 1/6/2010 11:17:31 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1391	.1465	.0017	.0010	.3580	-.00003	.0075	.0001

#1	.1387	.1467	.0044	-.0017	.3577	-.00001	.0079	.0001
#2	.1394	.1463	-.0011	.0037	.3583	-.00005	.0071	.0000

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5246	.5440	.0005	-.0005	.0009	.0195	.0013	.2170

#1	.5324	.5423	.0002	-.0003	.0015	.0169	.0015	.2170
#2	.5169	.5458	.0007	-.0007	.0004	.0221	.0011	.2170

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2134	.0016	-.0006	.0008	.3186	.0012	-.0001	>900.0

#1	.2153	.0017	-.0001	.0008	.2862	.0003	-.0001	1173.
#2	.2115	.0016	-.0010	.0008	.3510	.0021	-.0001	1181.

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0247	.0012	.0254	9.323	.4910	.5079	-.0054	.0008

#1	.0243	.0008	.0252	9.348	.4854	.5042	-.0058	.0003
#2	.0251	.0015	.0256	9.299	.4966	.5117	-.0051	.0012

Elem	Sr4077
Units	ppm
Avg	.00924

#1	.00908
#2	.00940

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1936.0	58946.	3731.5	524.11

#1	1939.2	58919.	3719.9	524.52
#2	1932.8	58974.	3743.1	523.71

Sample Name: K1000034-003 Acquired: 1/6/2010 11:20:48 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0656	.0680	.0018	-.0006	.2311	-.00004	.0108	.0001

#1	.0653	.0663	-.0007	.0039	.2311	-.00008	.0115	.0001
#2	.0658	.0697	.0044	-.0052	.2311	.00000	.0102	.0001

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4679	.4910	.0009	-.0008	.0012	.0135	.0004	.1791

#1	.4804	.4910	.0006	-.0006	.0014	.0124	.0009	.1791
#2	.4553	.4910	.0012	-.0009	.0011	.0145	-.0001	.1791

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1744	.0013	.0000	.0014	.2707	.0021	-.0005	>900.0

#1	.1755	.0013	.0000	.0015	.2704	.0012	.0000	1210.
#2	.1733	.0013	.0000	.0013	.2709	.0030	-.0010	1202.

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0259	.0001	.0061	8.747	.4430	.2253	-.0059	.0007

#1	.0259	-.0001	.0059	8.722	.4421	.2222	-.0049	.0009
#2	.0260	.0002	.0062	8.773	.4440	.2284	-.0068	.0005

Elem	Sr4077
Units	ppm
Avg	.00661

#1	.00661
#2	.00660

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1926.2	58492.	3691.2	521.21

#1	1926.3	58681.	3692.9	522.40
#2	1926.2	58302.	3689.4	520.03

Sample Name: K1000034-004 Acquired: 1/6/2010 11:24:03 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1373	.1427	.0001	-.0006	.4222	-.00005	.0107	-.0001

#1	.1367	.1406	-.0025	-.0033	.4246	-.00006	.0112	-.0001
#2	.1379	.1448	.0027	.0022	.4199	-.00005	.0102	-.0001

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4443	.4620	.0006	-.0008	.0012	.0172	-.0008	.2225

#1	.4445	.4600	.0003	-.0007	.0013	.0201	-.0014	.2238
#2	.4441	.4641	.0008	-.0008	.0011	.0144	-.0002	.2212

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2143	.0017	.0000	.0013	.2571	.0015	-.0011	>900.0

#1	.2135	.0017	-.0002	.0016	.2180	.0003	-.0010	1180.
#2	.2151	.0017	.0002	.0011	.2963	.0027	-.0011	1160.

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0261	.0009	.0076	8.372	.5069	.6391	-.0086	.0016

#1	.0256	.0006	.0076	8.355	.5102	.6321	-.0102	.0017
#2	.0266	.0012	.0076	8.389	.5037	.6461	-.0070	.0015

Elem	Sr4077
Units	ppm
Avg	.00969

#1	.01001
#2	.00936

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1920.9	58516.	3690.0	520.33

#1	1923.8	58520.	3651.9	520.84
#2	1918.1	58512.	3728.2	519.83

Sample Name: K1000034-005 Acquired: 1/6/2010 11:27:18 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1213	.1260	.0012	.0001	.4557	-.00004	.0066	.0000

#1	.1215	.1253	-.0013	-.0009	.4529	-.00006	.0070	.0000
#2	.1211	.1268	.0037	.0012	.4585	-.00001	.0062	.0001

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5070	.5370	.0014	-.0005	.0011	.0253	-.0008	.2131

#1	.5087	.5343	.0012	-.0002	.0014	.0202	.0002	.2136
#2	.5052	.5397	.0016	-.0007	.0008	.0303	-.0017	.2126

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2067	.0016	-.0002	.0009	.3018	.0047	.0008	>900.0

#1	.2061	.0017	.0000	.0009	.2901	.0028	.0014	1202.
#2	.2074	.0016	-.0004	.0010	.3135	.0067	.0003	1191.

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0270	.0006	.0051	8.645	.5060	.4578	-.0066	.0006

#1	.0278	.0008	.0051	8.643	.4954	.4596	-.0055	.0006
#2	.0262	.0004	.0052	8.647	.5167	.4560	-.0076	.0005

Elem	Sr4077
Units	ppm
Avg	.00994

#1	.00997
#2	.00990

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1922.8	58303.	3693.3	520.74

#1	1924.8	58120.	3695.5	520.37
#2	1920.8	58485.	3691.0	521.10

Sample Name: K1000034-006 Acquired: 1/6/2010 11:30:32 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0172	.0204	-.0016	.0015	.0029	.00002	.0063	.0000	.2398
#1	.0173	.0207	-.0024	.0003	.0026	-.00001	.0056	-.0001	.2376
#2	.0172	.0202	-.0007	.0027	.0032	.00004	.0071	.0000	.2419
Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795	Mg2852	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2379	.0008	-.0005	.0042	.0195	.0003	.1573	.1510	.0017
#1	.2397	.0013	-.0005	.0045	.0218	.0005	.1579	.1531	.0017
#2	.2360	.0002	-.0005	.0039	.0173	.0001	.1566	.1489	.0017
Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0009	.2158	.0039	.0001	>900.0	.0267	.0006	.0037
#1	.0010	.0008	.2657	.0031	-.0018	1220.	.0254	.0009	.0030
#2	-.0002	.0010	.1659	.0047	.0021	1203.	.0281	.0003	.0037
Elem	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077			
Units	ppm	ppm	ppm	ppm	ppm	ppm			
Avg	8.178	.6387	.0001	-.0056	.0009	.00495			
#1	8.186	.6491	.0003	-.0051	.0010	.00508			
#2	8.171	.6282	.0000	-.0061	.0009	.00482			
Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	1927.8	58208.	3672.6	521.90					
#1	1931.4	58292.	3690.4	522.72					
#2	1924.3	58123.	3654.8	521.07					

Sample Name: K1000034-007 Acquired: 1/6/2010 11:33:48 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1567	.1656	.0020	-.0002	.3539	-.00002	.0136	.0001

#1	.1563	.1650	-.0006	.0012	.3548	-.00001	.0127	.0001
#2	.1570	.1663	.0047	-.0016	.3530	-.00003	.0145	.0000

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5079	.5315	.0099	.0001	.0011	.0384	.0000	.3038

#1	.5146	.5306	.0094	.0004	.0004	.0420	.0001	.3041
#2	.5012	.5324	.0103	-.0003	.0018	.0348	.0000	.3035

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2978	.0020	-.0001	.0031	.3249	.0025	.0005	>900.0

#1	.3022	.0020	-.0001	.0029	.3714	.0009	.0010	1126.
#2	.2934	.0019	-.0002	.0033	.2783	.0040	.0000	1138.

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0252	.0002	.0030	8.185	.6908	.6974	-.0033	.0006

#1	.0260	-.0001	.0030	8.190	.7178	.6920	-.0049	.0000
#2	.0245	.0004	.0030	8.179	.6639	.7029	-.0017	.0011

Elem	Sr4077
Units	ppm
Avg	.01073

#1	.01075
#2	.01070

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1935.8	58954.	3688.3	525.35

#1	1936.7	58916.	3712.5	525.53
#2	1934.9	58993.	3664.1	525.17

Sample Name: K1000034-008 Acquired: 1/6/2010 11:37:03 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca315.
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppr
Avg	.0807	.0840	.0000	.0012	.3927	.00001	.0059	.0000	.317.

#1	.0806	.0843	-.0006	.0000	.3928	.00004	.0061	-.0001	.320.
#2	.0809	.0837	.0006	.0024	.3925	-.00002	.0056	.0001	.315.

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795	Mg2852	Mn257.
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppr
Avg	.3328	.0008	-.0003	.0012	.0124	.0002	.2026	.1967	.001.

#1	.3330	.0009	-.0002	.0012	.0116	-.0001	.2029	.1980	.001.
#2	.3327	.0007	-.0005	.0011	.0133	.0006	.2023	.1953	.001.

Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn206
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppr
Avg	.0005	.0011	.3095	.0052	-.0004	>900.0	.0256	-.0003	.001

#1	.0009	.0012	.3260	.0060	.0000	1172.	.0253	-.0005	.001
#2	.0002	.0011	.2930	.0045	-.0008	1172.	.0258	.0000	.001

Elem	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.125	.4984	.4016	-.0049	.0008	.00862

#1	9.132	.5070	.4083	-.0046	.0016	.00867
#2	9.118	.4897	.3949	-.0053	.0000	.00857

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1921.4	58602.	3695.7	520.17

#1	1924.9	58626.	3720.3	522.54
#2	1917.9	58578.	3671.1	517.79

Sample Name: K1000034-009 Acquired: 1/6/2010 11:40:18 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0168	.0173	.0002	-.0009	.0025	-.00005	.0084	.0000
#1	.0170	.0164	-.0004	-.0026	.0023	-.00008	.0093	.0001
#2	.0166	.0183	.0008	.0009	.0027	-.00002	.0075	.0000
Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2083	.2129	.0011	-.0006	.0005	.0126	-.0017	.1606
#1	.2096	.2141	.0006	-.0004	.0002	.0094	-.0015	.1609
#2	.2071	.2117	.0016	-.0007	.0009	.0157	-.0018	.1603
Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1570	.0010	-.0006	.0011	.2630	.0025	-.0009	>900.0
#1	.1591	.0010	-.0007	.0009	.3026	.0056	-.0016	1194.
#2	.1549	.0009	-.0005	.0012	.2233	-.0006	-.0001	1213.
Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0250	.0004	.0029	7.999	.5396	-.0001	-.0075	.0010
#1	.0242	.0004	.0028	8.021	.5567	-.0002	-.0063	.0016
#2	.0257	.0003	.0030	7.977	.5225	.0000	-.0086	.0003
Elem	Sr4077							
Units	ppm							
Avg	.00333							
#1	.00322							
#2	.00345							
Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	1911.0	58386.	3682.5	516.74				
#1	1912.1	58157.	3680.6	517.83				
#2	1909.9	58615.	3684.5	515.66				

Sample Name: CCVA4 Acquired: 1/6/2010 11:43:33 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2566	.2437	.2532	.2515	.2566	.25084	.2463	.2500	.2440
Stddev	.0013	.0013	.0039	.0021	.0005	.00147	.0013	.0006	.0124
%RSD	.5129	.5385	1.523	.8355	.2125	.58640	.5235	.2290	5.068

#1	.2576	.2427	.2559	.2530	.2570	.24980	.2453	.2496	.2527
#2	.2557	.2446	.2504	.2500	.2562	.25188	.2472	.2504	.2358

Check ?	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2858
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2583	.2514	.2543	.2487	.2498	.2495	.2158	.2467	.2461
Stddev	.0007	.0017	.0008	.0023	.0063	.0014	.0173	.0009	.0007
%RSD	.2820	.6709	.3157	.9204	2.514	.5731	8.024	.3653	.3007

#1	.2578	.2502	.2537	.2504	.2542	.2485	.2036	.2474	.2461
#2	.2588	.2526	.2549	.2471	.2453	.2506	.2281	.2461	.2458

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	None	Chk Pass	None
Value									
Range									

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1898
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2567	.2413	.2558	.2506	2.609	.2573	.2546	.9518	.2527
Stddev	.0020	.0046	.0002	.0004	.047	.0005	.0025	.0453	.0011
%RSD	.7865	1.917	.0591	.1466	1.818	.1825	.9737	4.757	.5931

#1	.2552	.2445	.2557	.2503	2.643	.2576	.2563	.9838	.2531
#2	.2581	.2380	.2559	.2508	2.575	.2570	.2528	.9198	.2511

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pas
Value									
Range									

Sample Name: CCVA4 Acquired: 1/6/2010 11:43:33 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209

Comment:

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2538	.2522	.0022	.1106	.2534	.2528	-.0002	.00023
Stddev	.0019	.0006	.0032	.0046	.0009	.0010	.0003	.00016
%RSD	.7374	.2229	145.4	4.123	.3667	.4009	111.1	66.670
#1	.2525	.2526	-.0001	.1074	.2528	.2521	-.0001	.00012
#2	.2551	.2518	.0045	.1139	.2541	.2536	-.0004	.00034

Check ?	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass	None	None
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3600-2	ln2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2168.0	67661.	3809.4	669.18
Stddev	3.0	72.	7.5	.15
%RSD	.13902	.10610	.19804	.02207
#1	2170.1	67712.	3814.7	669.07
#2	2165.8	67610.	3804.0	669.28

Sample Name: CCVB4 Acquired: 1/6/2010 11:46:32 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209

Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.503	9.915	.0009	1.014	10.09	.00002	-.0009	.0003	9.894
Stddev	.034	.004	.0005	.003	.07	.00003	.0018	.0002	.013
%RSD	.4486	.0408	55.29	.2643	.6928	146.94	189.4	81.66	.1309

#1	7.479	9.917	.0005	1.016	10.14	.00004	-.0022	.0001	9.903
#2	7.527	9.912	.0012	1.012	10.04	.00000	.0003	.0004	9.884

Check ?	None	Chk Pass	None	Chk Pass	Chk Pass	None	None	None	Chk Pass
Value									
Range									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.903	.0002	.0001	-.0004	9.779	-.0002	9.391	9.675	9.890
Stddev	.064	.0006	.0000	.0000	.029	.0016	.060	.032	.035
%RSD	.6492	356.6	65.16	4.910	.2983	746.6	.6442	.3295	.3531

#1	9.949	.0006	.0000	-.0003	9.800	.0009	9.434	9.698	9.865
#2	9.858	-.0003	.0001	-.0004	9.759	-.0013	9.348	9.653	9.914

Check ?	None	None	None	None	Chk Pass	None	Chk Pass	None	Chk Pass
Value									
Range									

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0014	-.0007	.0008	10.04	-.0058	-.0010	10.40	-.0003
Stddev	.0002	.0016	.0002	.0000	.05	.0034	.0007	.17	.0010
%RSD	100.8	109.3	27.05	5.080	.5227	57.83	73.19	1.587	366.0

#1	.0000	.0026	-.0006	.0008	10.00	-.0034	-.0005	10.28	.0005
#2	.0003	.0003	-.0009	.0007	10.08	-.0082	-.0015	10.52	-.0010

Check ?	None	None	None	None	Chk Pass	None	None	Chk Pass	None
Value									
Range									

Sample Name: CCVB4 Acquired: 1/6/2010 11:46:32 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	.0005	10.06	9.654	.0005	.0003	1.002	.99928
Stddev	.0004	.0002	.04	.023	.0000	.0002	.007	.00265
%RSD	119.9	37.42	.3833	.2399	.0934	57.14	.6650	.26532
#1	-.0006	.0003	10.08	9.670	.0005	.0004	.9977	1.0012
#2	-.0001	.0006	10.03	9.638	.0005	.0002	1.007	.99741
Check ?	None	None	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass
Value								
Range								
Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	2136.6	66387.	3819.2	646.11				
Stddev	3.8	243.	37.2	2.77				
%RSD	.17675	.36601	.97336	.42865				
#1	2139.3	66215.	3793.0	648.07				
#2	2133.9	66559.	3845.5	644.15				

Sample Name: CCB4 Acquired: 1/6/2010 11:49:37 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209

Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019	.0024	.0006	-.0015	.0017	.00003	-.0017	.0001
Stddev	.0000	.0001	.0004	.0021	.0001	.00002	.0009	.0001
%RSD	1.184	4.743	55.08	137.3	5.566	74.393	51.59	139.9
#1	.0019	.0023	.0004	-.0030	.0016	.00002	-.0011	.0000
#2	.0019	.0025	.0009	.0000	.0018	.00005	-.0024	.0002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0028	.0022	-.0004	.0004	-.0001	.0067	-.0010	-.0309
Stddev	.0082	.0000	.0003	.0001	.0005	.0006	.0000	.0412
%RSD	287.6	2.053	57.80	14.02	401.5	9.257	4.355	133.5
#1	-.0029	.0022	-.0003	.0004	.0002	.0063	-.0011	-.0017
#2	.0086	.0022	-.0006	.0003	-.0005	.0072	-.0010	-.0600

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None
 High Limit
 Low Limit

Elem	Mg2795	Mg2852	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019	-.0002	.0001	.0009	.0009	.0001	.0238	-.0028
Stddev	.0001	.0018	.0000	.0012	.0005	.0003	.0366	.0011
%RSD	4.202	848.5	8.762	131.2	57.83	334.0	153.9	39.90
#1	.0019	.0010	.0001	.0017	.0005	-.0001	.0497	-.0036
#2	.0018	-.0014	.0001	.0001	.0013	.0003	-.0021	-.0020

Check ? Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB4 Acquired: 1/6/2010 11:49:37 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209

Comment:

Elem	Ag3280	Na5895	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0009	F .3213	-.0005	.0007	.0000	.0003	-.0142	.0001
Stddev	.0009	.0028	.0005	.0007	.000	.0008	.0249	.0003
%RSD	102.7	.8849	100.1	109.7	253.7	312.0	174.9	428.5

#1	-.0016	.3233	-.0001	.0002	-.0001	.0009	-.0319	-.0001
#2	-.0003	.3193	-.0009	.0012	.0000	-.0003	.0034	.0003

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.2000						
Low Limit		-.2000						

Elem	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.0011	.0004	.00019
Stddev	.0023	.0002	.00005
%RSD	204.0	49.31	26.631

#1	.0005	.0005	.00022
#2	-.0027	.0003	.00015

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2165.7	67544.	3819.1	673.42
Stddev	4.0	175.	77.3	.14
%RSD	.18342	.25926	2.0235	.02007

#1	2168.6	67668.	3873.7	673.52
#2	2162.9	67420.	3764.4	673.33

Sample Name: CCB4 Acquired: 1/6/2010 11:54:51 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: RERUN

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0003	-.0015	.0007	.0001	-.00002	-.0010	.0000
Stddev	.0001	.0003	.0008	.0009	.0000	.00001	.0005	.0001
%RSD	269.5	123.4	53.96	127.3	9.087	63.571	44.41	142.5
#1	.0000	.0000	-.0010	.0001	.0001	-.00001	-.0007	.0001
#2	.0001	.0005	-.0021	.0014	.0001	-.00002	-.0014	.0000

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	.0000	-.0003	-.0002	-.0004	-.0039	-.0004	-.0062
Stddev	.0033	.0000	.0002	.0004	.0011	.0015	.0004	.0244
%RSD	700.0	424.7	55.63	166.5	277.7	37.63	99.62	394.2
#1	-.0028	.0000	-.0002	-.0005	.0004	-.0049	-.0001	-.0234
#2	.0019	.0000	-.0004	.0000	-.0011	-.0028	-.0007	.0111

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
High Limit								
Low Limit								

Elem	Mg2795	Mg2852	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-.0017	.0000	-.0008	-.0002	.0007	-.0021	-.0016
Stddev	.0001	.0025	.000	.0004	.0007	.0001	.0807	.0030
%RSD	78.66	147.1	257.9	47.42	292.8	10.55	3784.	187.7
#1	.0001	-.0035	.0000	-.0010	.0002	.0007	.0549	-.0037
#2	.0000	.0001	-.0001	-.0005	-.0007	.0008	-.0592	.0005

Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB4 Acquired: 1/6/2010 11:54:51 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: RERUN

Elem	Ag3280	Na5895	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	F .3371	-.0002	.0003	-.0004	-.0010	-.0142	.0000
Stddev	.0009	.0047	.0003	.0000	.0004	.0004	.0085	.000
%RSD	345.7	1.394	156.4	11.70	96.00	44.17	59.97	.4527

#1	-.0009	.3404	-.0005	.0003	-.0001	-.0007	-.0203	.0000
#2	.0004	.3338	.0000	.0003	-.0006	-.0013	-.0082	-.0001

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.2000						
Low Limit		-.2000						

Elem	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.0007	.0007	-.00005
Stddev	.0005	.0001	.00004
%RSD	80.93	11.03	72.003

#1	-.0003	.0006	-.00002
#2	-.0010	.0007	-.00008

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2161.0	67689.	3811.8	670.78
Stddev	3.0	185.	10.8	1.54
%RSD	.13729	.27374	.28226	.22910

#1	2158.9	67558.	3804.2	671.87
#2	2163.1	67820.	3819.4	669.70

Sample Name: K1000034-010 Acquired: 1/6/2010 11:59:44 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0163	F .0175	-.0006	.0014	.0024	-.00007	F .0067	.0001

#1	.0162	.0152	-.0021	.0014	.0025	-.00005	.0065	.0001
#2	.0163	.0197	.0010	.0013	.0024	-.00008	.0069	.0000

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2078	.2100	F .0005	-.0002	.0014	F .0187	.0000	.1639

#1	.2063	.2112	.0008	.0000	.0013	.0219	-.0010	.1645
#2	.2092	.2089	.0002	-.0003	.0015	.0155	.0011	.1633

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1558	.0011	.0008	.0016	.1719	.0036	-.0009	>900.0

#1	.1567	.0011	.0004	.0016	.1331	.0029	-.0005	1205.
#2	.1550	.0010	.0011	.0016	.2108	.0044	-.0014	1203.

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0261	.0003	F .0027	8.741	.5297	.0003	-.0043	.0003

#1	.0264	.0007	.0027	8.729	.5340	.0005	-.0041	-.0009
#2	.0258	-.0001	.0027	8.753	.5254	.0001	-.0045	.0014

Elem	Sr4077
Units	ppm
Avg	.00341

#1	.00342
#2	.00340

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1905.1	57910.	3669.1	514.75

#1	1911.2	57926.	3658.6	514.84
#2	1899.1	57894.	3679.6	514.67

Sample Name: K1000034-012 Acquired: 1/6/2010 12:03:00 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0165	F .0190	.0015	-.0004	.0028	.00001	F .0074	.0000

#1	.0167	.0197	.0023	-.0027	.0025	.00003	.0077	.0001
#2	.0164	.0184	.0008	.0019	.0031	-.00002	.0071	-.0001

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2115	.2156	F .0014	.0000	.0010	F .0114	.0006	.1662

#1	.2157	.2175	.0015	-.0002	.0009	.0116	.0011	.1674
#2	.2072	.2138	.0014	.0002	.0011	.0111	.0001	.1650

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1604	.0010	-.0002	.0012	.2347	.0036	-.0004	>900.0

#1	.1601	.0011	-.0001	.0012	.2564	.0055	-.0006	1244.
#2	.1607	.0010	-.0003	.0011	.2131	.0018	-.0003	1217.

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0236	.0004	F .0031	10.86	.5151	.0000	-.0070	.0016

#1	.0237	.0009	.0033	10.86	.5173	.0002	-.0075	.0011
#2	.0236	-.0002	.0030	10.86	.5129	-.0001	-.0065	.0021

Elem	Sr4077
Units	ppm
Avg	.00362

#1	.00351
#2	.00372

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1920.3	58735.	3660.0	518.52

#1	1915.1	58632.	3658.9	517.21
#2	1925.5	58837.	3661.1	519.83

Sample Name: K1000034-013 Acquired: 1/6/2010 12:06:15 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0964	.0986	.0010	.0028	.4445	-.00008	F .0054	.0001

#1	.0969	.1000	.0026	.0021	.4457	-.00010	.0054	.0001
#2	.0959	.0972	-.0007	.0035	.4433	-.00006	.0053	.0001

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4217	.4435	F .0011	-.0005	.0010	F .0117	.0002	.2028

#1	.4288	.4456	.0011	-.0002	.0008	.0152	.0006	.2034
#2	.4147	.4415	.0010	-.0008	.0013	.0082	-.0001	.2022

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1984	.0014	-.0005	.0015	.2789	.0069	-.0002	>900.0

#1	.1923	.0013	-.0007	.0015	.2814	.0085	-.0001	1136.
#2	.2046	.0014	-.0003	.0015	.2763	.0053	-.0003	1168.

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0258	.0006	F .0024	8.951	.4843	.4370	-.0046	.0005

#1	.0262	.0004	.0024	8.931	.4901	.4446	-.0024	.0001
#2	.0254	.0007	.0024	8.972	.4786	.4294	-.0069	.0010

Elem	Sr4077
Units	ppm
Avg	.00971

#1	.00985
#2	.00957

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1918.5	58608.	3705.6	520.00

#1	1917.5	58606.	3659.8	520.77
#2	1919.4	58611.	3751.4	519.22

Sample Name: K1000034-014 Acquired: 1/6/2010 12:09:31 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0156	F .0172	.0024	-.0009	.0025	-.00012	F .0064	.0001

#1	.0156	.0179	.0004	-.0012	.0022	-.00011	.0064	.0000
#2	.0156	.0164	.0045	-.0007	.0027	-.00012	.0065	.0002

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2079	.2142	F .0005	-.0002	.0010	F .0176	-.0013	.1801

#1	.2154	.2148	.0006	-.0002	.0009	.0183	-.0010	.1804
#2	.2004	.2136	.0004	-.0003	.0012	.0170	-.0016	.1799

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1727	.0008	.0002	.0010	.2736	.0044	-.0008	>900.0

#1	.1724	.0008	.0000	.0012	.2488	.0027	-.0008	1176.
#2	.1729	.0008	.0004	.0007	.2983	.0060	-.0008	1168.

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0249	.0004	F .0026	9.950	.6076	.0000	-.0066	-.0006

#1	.0248	.0005	.0024	9.923	.6085	.0002	-.0067	-.0006
#2	.0249	.0003	.0028	9.978	.6067	-.0002	-.0065	-.0005

Elem	Sr4077
Units	ppm
Avg	.00359

#1	.00364
#2	.00354

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1906.5	58447.	3657.6	517.08

#1	1905.8	58512.	3652.6	517.87
#2	1907.1	58381.	3662.5	516.29

Sample Name: K1000034-015 Acquired: 1/6/2010 12:12:48 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0165	F .0180	-.0019	-.0005	.0025	-.00001	F .0073	.0000

#1	.0166	.0173	-.0063	-.0004	.0024	.00004	.0084	.0000
#2	.0163	.0186	.0026	-.0006	.0025	-.00006	.0062	.0000

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1944	.2095	F .0007	-.0002	.0008	F .0129	.0008	.1658

#1	.1958	.2101	.0003	-.0001	.0010	.0129	.0016	.1652
#2	.1931	.2090	.0011	-.0003	.0007	.0130	-.0001	.1663

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1617	.0009	.0003	.0011	.2631	.0077	-.0004	>900.0

#1	.1640	.0009	-.0003	.0009	.3155	.0066	-.0006	1197.
#2	.1594	.0009	.0010	.0013	.2108	.0089	-.0002	1221.

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0257	.0001	F .0029	11.86	.5594	.0001	-.0077	.0011

#1	.0265	-.0003	.0015	11.93	.5446	.0001	-.0074	.0012
#2	.0248	.0005	.0043	11.78	.5742	.0001	-.0079	.0009

Elem	Sr4077
Units	ppm
Avg	.00360

#1	.00385
#2	.00334

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1917.6	58641.	3715.1	520.30

#1	1915.4	58522.	3705.2	520.84
#2	1919.7	58761.	3725.0	519.76

Sample Name: RB Acquired: 1/6/2010 12:16:06 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	F .0016	.0008	-.0025	F .0002	.00002	F -.0017	.0001

#1	.0004	.0016	.0010	-.0006	-.0002	.00006	-.0011	.0002
#2	.0001	.0016	.0006	-.0045	.0005	-.00002	-.0022	.0000

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0011	.0022	F -.0004	-.0002	-.0010	F -.0025	.0004	.0001

#1	-.0032	.0022	-.0001	.0001	-.0005	-.0040	-.0003	.0001
#2	.0053	.0023	-.0007	-.0006	-.0014	-.0009	.0011	.0001

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0013	.0001	.0000	.0004	-.0012	-.0023	-.0016	.8777

#1	-.0024	.0001	-.0004	.0004	.0093	-.0015	-.0019	.8961
#2	-.0003	.0001	.0004	.0003	-.0117	-.0030	-.0013	.8593

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0012	.0007	F .0005	.0031	-.0029	-.0001	-.0011	.0020

#1	-.0010	.0006	.0008	.0009	.0063	.0000	-.0008	.0022
#2	-.0015	.0008	.0003	.0052	-.0121	-.0001	-.0015	.0018

Elem	Sr4077
Units	ppm
Avg	-.00012

#1	-.00021
#2	-.00003

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2157.3	67709.	3796.7	667.04

#1	2161.8	67928.	3794.9	669.27
#2	2152.9	67490.	3798.5	664.81

Sample Name: K1000034-MB Acquired: 1/6/2010 12:18:53 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025	.0024	.0049	-.0038	.0001	-.00002	-.0011	-.0001

#1	.0026	.0027	.0037	-.0043	-.0002	-.00004	-.0020	-.0001
#2	.0025	.0021	.0060	-.0032	.0004	.00001	-.0002	-.0002

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0040	.0059	.0006	-.0001	-.0008	.0067	-.0006	.0015

#1	.0071	.0058	.0007	.0002	-.0006	.0089	-.0003	.0015
#2	.0010	.0059	.0004	-.0003	-.0010	.0045	-.0010	.0014

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020	.0001	-.0006	.0007	.0386	.0005	-.0012	F .5799

#1	.0023	.0001	-.0007	.0007	.0561	.0011	-.0022	.5840
#2	.0016	.0001	-.0005	.0006	.0212	-.0001	-.0001	.5758

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0204	.0002	.0004	.0092	-.0029	.0000	-.0013	-.0016

#1	.0210	.0001	.0005	.0031	-.0101	-.0001	-.0017	-.0013
#2	.0199	.0004	.0003	.0154	.0043	.0000	-.0010	-.0019

Elem	Sr4077
Units	ppm
Avg	.00001

#1	-.00014
#2	.00017

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2141.6	67781.	3768.9	659.00

#1	2141.0	67705.	3763.1	659.44
#2	2142.1	67857.	3774.6	658.56

Sample Name: LCSW Acquired: 1/6/2010 12:21:42 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024	F .0019	.0035	-.0014	F .0000	-.00005	F -.0014	.0000
#1	.0023	.0010	.0034	-.0008	-.0003	-.00008	-.0014	.0000
#2	.0026	.0028	.0035	-.0020	.0003	-.00002	-.0013	.0001
Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0022	.0049	F .0004	-.0001	-.0004	F .0005	.0003	.0025
#1	-.0057	.0049	.0010	.0004	-.0004	.0022	.0005	.0026
#2	.0100	.0050	-.0001	-.0006	-.0003	-.0013	.0001	.0025
Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0021	.0002	-.0005	.0002	.0412	.0020	-.0003	.4659
#1	.0013	.0002	-.0004	.0004	.0976	.0021	-.0005	.4827
#2	.0029	.0002	-.0005	.0000	-.0152	.0018	-.0001	.4490
Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0209	.0001	F .0009	2.571	-.0077	-.0001	-.0021	.0001
#1	.0211	.0007	.0009	2.560	-.0087	.0000	-.0010	.0002
#2	.0208	-.0005	.0009	2.581	-.0068	-.0002	-.0032	.0000
Elem	Sr4077							
Units	ppm							
Avg	-.00002							
#1	-.00003							
#2	-.00002							
Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	2149.5	67832.	3833.6	669.19				
#1	2151.0	67679.	3843.7	670.31				
#2	2148.0	67986.	3823.4	668.07				

Sample Name: K1000034-020 Acquired: 1/6/2010 12:24:30 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0850	.0863	-.0024	-.0009	.4125	-.00010	F .0040	.0000

#1	.0850	.0857	-.0029	-.0006	.4119	-.00015	.0039	.0000
#2	.0850	.0869	-.0018	-.0011	.4132	-.00004	.0041	.0000

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4424	.4633	F .0010	-.0007	.0010	F .0130	-.0004	.2159

#1	.4481	.4649	.0004	-.0008	.0011	.0124	.0008	.2159
#2	.4367	.4618	.0016	-.0005	.0009	.0136	-.0016	.2159

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2108	.0014	-.0007	.0010	.2451	.0064	-.0001	>900.0

#1	.2106	.0013	-.0009	.0011	.2330	.0055	-.0012	1215.
#2	.2109	.0014	-.0004	.0008	.2572	.0073	.0010	1225.

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0241	.0004	F .0019	8.427	.5583	.3934	-.0046	.0011

#1	.0233	.0004	.0018	8.425	.5494	.3869	-.0036	.0012
#2	.0249	.0004	.0021	8.429	.5673	.4000	-.0055	.0009

Elem	Sr4077
Units	ppm
Avg	.00964

#1	.00944
#2	.00985

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1922.2	58886.	3695.8	519.30

#1	1924.2	59139.	3691.9	520.19
#2	1920.2	58634.	3699.7	518.41

Sample Name: K1000034-020D Acquired: 1/6/2010 12:27:45 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1103	.1160	-.0011	-.0014	.3965	-.00006	F .0057	.0000

#1	.1105	.1167	.0007	.0001	.4014	-.00007	.0051	.0001
#2	.1101	.1153	-.0030	-.0029	.3916	-.00005	.0063	.0000

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6899	.7142	F .0006	-.0003	.0015	F .0173	.0013	.2208

#1	.6766	.7206	.0004	-.0002	.0014	.0160	.0016	.2212
#2	.7032	.7079	.0008	-.0003	.0016	.0187	.0010	.2205

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2144	.0015	.0000	.0015	.2991	.0032	.0002	>900.0

#1	.2156	.0016	.0000	.0014	.3246	.0055	.0012	1185.
#2	.2132	.0015	.0000	.0016	.2737	.0009	-.0007	1192.

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0244	.0005	F .0022	8.497	.5191	.5079	-.0049	.0010

#1	.0240	.0003	.0023	8.510	.5201	.5178	-.0046	.0008
#2	.0248	.0007	.0020	8.483	.5181	.4981	-.0052	.0012

Elem	Sr4077
Units	ppm
Avg	.01004

#1	.00999
#2	.01010

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1920.2	58887.	3721.9	519.64

#1	1918.3	58945.	3714.8	519.73
#2	1922.1	58829.	3729.0	519.56

Sample Name: CCVA5 Acquired: 1/6/2010 12:31:00 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3150
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2515	.2357	.2496	.2473	.2526	.25012	.2444	.2519	.2410
Stddev	.0011	.0001	.0015	.0029	.0017	.00022	.0025	.0011	.0023
%RSD	.4316	.0481	.5956	1.154	.6863	.08871	1.042	.4414	.9520
#1	.2507	.2356	.2485	.2453	.2539	.24997	.2426	.2511	.2390
#2	.2522	.2358	.2507	.2493	.2514	.25028	.2462	.2527	.2420

Check ?	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass	None
Value Range									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2850
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2565	.2503	.2515	.2505	.2482	.2509	.2021	.2451	.2450
Stddev	.0006	.0011	.0013	.0013	.0016	.0002	.0050	.0010	.0040
%RSD	.2465	.4594	.4970	.5189	.6269	.0832	2.453	.4055	1.8300
#1	.2561	.2495	.2506	.2514	.2471	.2511	.2056	.2444	.2480
#2	.2570	.2511	.2524	.2496	.2493	.2508	.1986	.2458	.2410

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	None	Chk Pass	None
Value Range									

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1890
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2536	.2390	.2532	.2513	2.455	.2527	.2484	.9976	.2490
Stddev	.0012	.0062	.0034	.0014	.103	.0040	.0037	.0318	.0000
%RSD	.4811	2.608	1.347	.5619	4.194	1.587	1.477	3.186	.2300
#1	.2527	.2434	.2508	.2503	2.528	.2555	.2509	1.020	.2490
#2	.2544	.2346	.2556	.2523	2.382	.2499	.2458	.9751	.2490

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass
Value Range									

Sample Name: CCVA5 Acquired: 1/6/2010 12:31:00 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2518	.2511	.0033	.1123	.2529	.2500	.0004	.00012
Stddev	.0003	.0005	.0048	.0056	.0003	.0030	.0004	.00003
%RSD	.1249	.1960	147.6	5.026	.1262	1.181	111.0	22.045

#1	.2520	.2508	.0067	.1163	.2531	.2479	.0007	.00013
#2	.2516	.2515	-.0001	.1084	.2527	.2521	.0001	.00010

Check ?	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass	None	None
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2138.4	67607.	3774.7	659.44
Stddev	6.3	161.	68.9	.02
%RSD	.29290	.23815	1.8265	.00334

#1	2142.8	67721.	3823.5	659.42
#2	2134.0	67493.	3726.0	659.45

Sample Name: CCVB5 Acquired: 1/6/2010 12:33:59 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.500	9.810	.0027	1.003	10.20	-.00002	-.0003	.0002
Stddev	.018	.001	.0012	.003	.03	.00001	.0011	.0000
%RSD	.2400	.0046	42.55	.2546	.2555	62.873	355.5	14.19

#1	7.487	9.811	.0035	1.001	10.18	-.00001	-.0011	.0002
#2	7.513	9.810	.0019	1.004	10.22	-.00003	.0005	.0002

Check ?	None	Chk Pass	None	Chk Pass	Chk Pass	None	None	None
Value Range								

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.914	9.938	-.0002	.0003	-.0006	9.753	.0000	9.309
Stddev	.005	.010	.0003	.0001	.0003	.009	.0017	.056
%RSD	.0493	.0977	171.1	23.86	43.97	.0889	5354.	.6031

#1	9.917	9.945	-.0004	.0004	-.0004	9.759	.0012	9.269
#2	9.911	9.931	.0000	.0002	-.0008	9.747	-.0012	9.349

Check ?	Chk Pass	None	None	None	None	Chk Pass	None	Chk Pass
Value Range								

Elem	Mg2795	Mg2852	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.642	9.727	.0003	.0006	.0002	.0008	10.05	-.0016
Stddev	.018	.035	.0001	.0001	.0005	.0001	.16	.0029
%RSD	.1909	.3607	21.33	15.72	261.8	12.78	1.640	185.9

#1	9.629	9.703	.0003	.0007	.0006	.0009	9.931	-.0036
#2	9.655	9.752	.0003	.0005	-.0002	.0007	10.16	.0005

Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None
Value Range								

Sample Name: CCVB5 Acquired: 1/6/2010 12:33:59 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Ag3280	Na5895	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0011	10.26	.0004	.0006	.0009	9.957	9.530	.0004
Stddev	.0008	.08	.0009	.0004	.0002	.001	.015	.0002
%RSD	70.11	.7881	244.2	66.75	22.46	.0081	.1594	42.03
#1	-.0017	10.21	-.0003	.0009	.0011	9.957	9.541	.0005
#2	-.0006	10.32	.0010	.0003	.0008	9.958	9.519	.0003
Check ?	None	Chk Pass	None	None	None	Chk Pass	Chk Pass	None
Value								
Range								

Elem	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.0002	.9880	1.0068
Stddev	.0003	.0054	.0067
%RSD	163.5	.5435	.66396
#1	.0000	.9842	1.0020
#2	-.0004	.9918	1.0115
Check ?	None	Chk Pass	Chk Pass
Value			
Range			

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2124.0	66294.	3753.5	642.18
Stddev	4.8	80.	16.3	.64
%RSD	.22814	.12126	.43540	.10035
#1	2127.4	66351.	3741.9	642.64
#2	2120.6	66237.	3765.0	641.72

Sample Name: CCB5 Acquired: 1/6/2010 12:37:05 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0005	.0027	.0000	.0004	.00008	-.0019	.0001
Stddev	.0003	.0009	.0014	.001	.0001	.00002	.0024	.0001
%RSD	55.74	160.9	51.51	7024.	21.37	20.923	124.4	53.33

#1	.0007	.0012	.0037	-.0008	.0004	.00009	-.0002	.0001
#2	.0003	-.0001	.0017	.0007	.0005	.00007	-.0036	.0002

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0037	.0005	-.0002	-.0001	-.0006	.0016	.0010	-.0080
Stddev	.0051	.0001	.0008	.0005	.0003	.0003	.0008	.0634
%RSD	138.9	23.75	423.4	674.3	55.68	20.96	73.83	788.0

#1	.0072	.0006	.0004	.0003	-.0008	.0014	.0005	.0368
#2	.0001	.0005	-.0008	-.0004	-.0004	.0019	.0016	-.0528

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
High Limit								
Low Limit								

Elem	Mg2795	Mg2852	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0024	.0001	.0005	.0004	.0002	.0348	-.0013
Stddev	.0001	.0051	.0001	.0016	.0003	.0003	.0263	.0030
%RSD	13.65	209.5	202.1	317.0	83.58	126.4	75.63	231.4

#1	.0005	.0060	.0001	.0017	.0002	.0000	.0162	.0008
#2	.0004	-.0012	.0000	-.0006	.0006	.0004	.0534	-.0035

Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB5 Acquired: 1/6/2010 12:37:05 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Ag3280	Na5895	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016	F .3767	-.0003	.0006	.0000	.0042	-.0065	.0001
Stddev	.0000	.0186	.0002	.0001	.0000	.0007	.0140	.0001
%RSD	2.591	4.928	54.19	12.23	8.290	17.17	214.7	74.02

#1	.0016	.3899	-.0004	.0006	.0000	.0037	.0034	.0000
#2	.0016	.3636	-.0002	.0007	.0000	.0047	-.0164	.0001

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.2000						
Low Limit		-.2000						

Elem	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0017	-.0003	.00019
Stddev	.0019	.0010	.00009
%RSD	116.4	351.2	47.149

#1	.0030	-.0010	.00013
#2	.0003	.0004	.00025

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2147.1	67548.	3725.5	668.85
Stddev	3.7	136.	8.1	.21
%RSD	.17301	.20160	.21832	.03148

#1	2149.7	67451.	3719.8	669.00
#2	2144.5	67644.	3731.3	668.70

Sample Name: K1000034-020L Acquired: 1/6/2010 12:39:53 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/10

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0191	F .0184	.0015	-.0024	.0832	.00006	F -.0010	.0002

#1	.0191	.0178	.0032	.0005	.0831	.00012	-.0004	.0002
#2	.0191	.0189	-.0001	-.0053	.0833	.00000	-.0016	.0001

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0923	.0952	F -.0004	-.0001	-.0003	F .0058	-.0002	.0442

#1	.0892	.0953	-.0005	.0000	-.0004	.0055	.0008	.0444
#2	.0955	.0952	-.0004	-.0002	-.0003	.0061	-.0011	.0439

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0407	.0003	-.0005	.0004	.0613	-.0020	-.0005	260.0

#1	.0409	.0002	-.0005	.0004	.0620	-.0004	-.0015	260.2
#2	.0406	.0003	-.0004	.0003	.0606	-.0035	.0005	259.7

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0061	.0002	F .0011	1.734	.0895	.0721	.0007	.0006

#1	.0054	.0002	.0014	1.735	.0888	.0767	.0020	.0009
#2	.0068	.0002	.0008	1.732	.0903	.0675	-.0006	.0003

Elem	Sr4077
Units	ppm
Avg	.00213

#1	.00221
#2	.00206

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2039.8	63160.	3643.6	584.12

#1	2044.8	63106.	3627.7	584.22
#2	2034.7	63215.	3659.6	584.02

Sample Name: K1000034-020S Acquired: 1/6/2010 12:43:09 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1209	.1233	.0011	-.0020	.3975	-.00011	F .0058	.0000

#1	.1207	.1250	.0027	-.0031	.3998	-.00009	.0056	.0000
#2	.1210	.1216	-.0004	-.0009	.3953	-.00014	.0059	.0000

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5151	.5347	F .0007	-.0002	.0013	F .0173	.0000	.2197

#1	.5108	.5343	.0009	-.0003	.0014	.0148	-.0007	.2198
#2	.5195	.5351	.0005	-.0002	.0012	.0198	.0007	.2196

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2117	.0014	.0002	.0013	.2782	.0021	-.0007	>900.0

#1	.2143	.0014	.0006	.0015	.3239	.0022	-.0016	1185.
#2	.2091	.0014	-.0003	.0011	.2325	.0019	.0002	1176.

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0247	.0001	F .0024	11.54	.5292	.6449	-.0056	.0013

#1	.0249	-.0003	.0022	11.49	.5292	.6467	-.0056	.0022
#2	.0244	.0006	.0026	11.58	.5292	.6431	-.0056	.0003

Elem	Sr4077
Units	ppm
Avg	.01007

#1	.01035
#2	.00978

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1900.9	57862.	3637.4	512.86

#1	1899.4	57984.	3622.9	513.64
#2	1902.5	57739.	3651.8	512.08

Sample Name: K1000034-016 Acquired: 1/6/2010 12:46:25 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1258	.1318	.0005	.0022	.5950	-.00006	F .0066	.0000

#1	.1247	.1349	.0009	-.0013	.5979	-.00005	.0048	.0001
#2	.1269	.1287	.0001	.0056	.5922	-.00007	.0084	-.0001

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7821	.8293	F .0009	-.0001	.0010	F .0172	-.0009	.2605

#1	.7831	.8310	.0011	-.0003	.0011	.0186	.0011	.2615
#2	.7810	.8276	.0007	.0000	.0010	.0158	-.0029	.2595

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2515	.0015	.0009	.0009	.2395	.0009	-.0001	>900.0

#1	.2531	.0015	.0010	.0010	.2479	.0033	-.0006	1159.
#2	.2498	.0016	.0008	.0008	.2311	-.0016	.0005	1148.

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0235	.0003	F .0020	8.118	.5532	.6239	-.0065	.0000

#1	.0220	.0002	.0022	8.125	.5552	.6215	-.0066	.0002
#2	.0250	.0003	.0019	8.111	.5512	.6263	-.0063	-.0002

Elem	Sr4077
Units	ppm
Avg	.01275

#1	.01297
#2	.01252

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1923.7	58892.	3667.2	521.91

#1	1926.0	59083.	3665.2	522.19
#2	1921.4	58701.	3669.2	521.63

Sample Name: K1000034-017 Acquired: 1/6/2010 12:49:40 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1292	.1349	-.0013	.0031	.4944	.00002	F .0081	.0001

#1	.1282	.1328	-.0002	.0034	.4925	.00005	.0079	.0002
#2	.1301	.1370	-.0024	.0027	.4963	-.00001	.0083	.0001

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4928	.5188	F .0010	-.0005	.0012	.0213	.0003	.2106

#1	.4806	.5180	.0011	-.0003	.0015	.0196	.0007	.2099
#2	.5050	.5196	.0010	-.0007	.0009	.0231	.0000	.2113

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2027	.0018	-.0001	.0014	.3754	.0057	.0008	>900.0

#1	.2051	.0018	.0002	.0015	.3498	.0067	.0009	1146.
#2	.2003	.0018	-.0004	.0013	.4011	.0047	.0007	1130.

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0260	.0003	F .0040	9.862	.4695	.4994	-.0051	.0017

#1	.0246	.0005	.0042	9.863	.4647	.4983	-.0072	.0012
#2	.0273	.0002	.0037	9.861	.4743	.5006	-.0031	.0022

Elem	Sr4077
Units	ppm
Avg	.01060

#1	.01064
#2	.01056

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1902.6	58341.	3633.2	514.13

#1	1901.9	58235.	3678.4	513.40
#2	1903.2	58448.	3588.0	514.87

Sample Name: K1000034-018 Acquired: 1/6/2010 12:52:54 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1253	.1313	.0034	-.0007	.5874	-.00002	F .0046	.0000

#1	.1246	.1330	.0030	.0000	.5888	-.00006	.0047	.0000
#2	.1260	.1295	.0038	-.0014	.5860	.00003	.0045	.0000

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5486	.5769	F .0004	-.0005	.0013	F .0178	.0003	.2201

#1	.5529	.5774	.0001	-.0008	.0010	.0196	.0004	.2195
#2	.5443	.5763	.0006	-.0002	.0016	.0160	.0001	.2206

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2118	.0014	.0000	.0013	.2601	.0007	.0005	>900.0

#1	.2108	.0014	.0003	.0013	.3035	.0006	.0011	1092.
#2	.2127	.0015	-.0003	.0013	.2167	.0008	.0000	1109.

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0250	.0005	.0141	8.515	.5549	.5373	-.0053	.0008

#1	.0252	.0001	.0146	8.513	.5493	.5516	-.0045	-.0004
#2	.0248	.0009	.0136	8.518	.5605	.5230	-.0060	.0019

Elem	Sr4077
Units	ppm
Avg	.01256

#1	.01264
#2	.01248

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1902.3	58330.	3617.5	517.94

#1	1908.1	58588.	3625.2	520.47
#2	1896.4	58072.	3609.9	515.41

Sample Name: K1000034-019 Acquired: 1/6/2010 12:56:10 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0867	.0923	.0010	.0007	.5217	-.00002	.0067	.0000

#1	.0867	.0928	.0027	.0040	.5223	-.00003	.0061	-.0001
#2	.0868	.0918	-.0008	-.0025	.5211	-.00001	.0074	.0000

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7931	.8275	.0011	.0000	.0014	.0160	.0007	.2264

#1	.7955	.8302	.0014	.0001	.0015	.0183	.0014	.2274
#2	.7907	.8249	.0008	-.0001	.0013	.0137	-.0001	.2254

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2167	.0013	-.0007	.0013	.2871	.0041	-.0003	>900.0

#1	.2174	.0014	-.0007	.0010	.3044	.0040	-.0009	1165.
#2	.2160	.0013	-.0007	.0015	.2698	.0041	.0003	1182.

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0250	.0004	.0023	8.222	.5348	.3441	-.0071	.0006

#1	.0258	.0009	.0022	8.223	.5262	.3444	-.0075	.0003
#2	.0242	.0000	.0024	8.221	.5435	.3438	-.0067	.0010

Elem	Sr4077
Units	ppm
Avg	.01142

#1	.01124
#2	.01160

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1897.1	58094.	3583.8	514.92

#1	1896.3	57965.	3564.6	515.11
#2	1897.9	58224.	3602.9	514.74

Sample Name: K1000034-021 Acquired: 1/6/2010 12:59:25 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0821	.0898	.0010	.0025	.3275	.00001	.0069	.0000	.3707
#1	.0813	.0877	.0012	.0032	.3303	.00000	.0070	.0000	.3689
#2	.0828	.0918	.0008	.0019	.3246	.00002	.0069	.0000	.3713

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795	Mg2852	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3921	.0009	-.0004	.0014	.0173	-.0001	.1971	.1884	.0014
#1	.3936	.0008	-.0003	.0014	.0178	-.0017	.1976	.1918	.0013
#2	.3906	.0010	-.0004	.0014	.0169	.0015	.1967	.1850	.0015

Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0011	.2825	.0010	-.0002	>900.0	.0256	.0001	.0019
#1	.0004	.0012	.2537	.0028	-.0001	1159.	.0253	.0002	.0019
#2	-.0005	.0009	.3112	-.0008	-.0002	1149.	.0258	.0000	.0021

Elem	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.976	.4925	.4077	-.0042	.0004	.00900
#1	7.955	.5063	.4148	-.0037	.0009	.00909
#2	7.997	.4787	.4006	-.0048	-.0002	.00892

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1908.5	58381.	3594.8	516.44
#1	1909.4	58217.	3620.4	515.97
#2	1907.6	58546.	3569.2	516.92

Sample Name: K1000034-022 Acquired: 1/6/2010 13:02:41 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0168	F .0173	.0004	.0007	.0026	-.00007	F .0065	.0000
#1	.0168	.0163	.0006	-.0004	.0025	-.00003	.0071	-.0002
#2	.0168	.0182	.0002	.0018	.0027	-.00012	.0059	.0001
Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2073	.2196	F .0007	.0000	.0014	F .0118	.0022	.1853
#1	.2100	.2201	.0008	-.0001	.0009	.0103	.0008	.1858
#2	.2046	.2191	.0007	.0001	.0019	.0134	.0037	.1848
Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1776	.0017	.0001	.0011	.2534	.0042	-.0007	>900.0
#1	.1781	.0017	.0004	.0008	.2674	.0041	-.0015	1232.
#2	.1771	.0018	-.0002	.0014	.2394	.0043	.0000	1226.
Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0249	.0003	F .0013	11.48	.4804	-.0004	-.0054	.0016
#1	.0248	.0003	.0010	11.47	.4754	-.0004	-.0064	.0019
#2	.0251	.0003	.0016	11.49	.4855	-.0003	-.0043	.0013
Elem	Sr4077							
Units	ppm							
Avg	.00378							
#1	.00385							
#2	.00371							
Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	1891.1	57961.	3614.9	510.82				
#1	1894.3	58204.	3604.6	512.23				
#2	1887.8	57718.	3625.2	509.40				

Sample Name: K1000034-023 Acquired: 1/6/2010 13:05:58 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/2

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0174	F .0157	-.0008	.0013	.0030	-.00005	F .0039	.0000

#1	.0169	.0145	-.0002	-.0016	.0031	-.00015	.0020	.0000
#2	.0178	.0169	-.0013	.0041	.0029	.00004	.0059	.0000

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2013	.2037	F .0006	-.0005	.0021	F .0082	-.0008	.0698

#1	.2059	.2040	.0008	-.0006	.0020	.0090	.0004	.0679
#2	.1968	.2034	.0004	-.0003	.0022	.0073	-.0020	.0718

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0656	.0011	-.0002	.0013	.3473	.0033	-.0005	>900.0

#1	.0617	.0011	.0004	.0014	.3832	.0038	-.0011	1031.
#2	.0694	.0011	-.0008	.0013	.3113	.0027	.0000	1010.

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0259	.0002	F .0042	2.866	.7271	.0001	-.0099	.0001

#1	.0255	-.0001	.0052	2.873	.7182	.0000	-.0107	-.0014
#2	.0263	.0006	.0032	2.858	.7360	.0001	-.0091	.0017

Elem	Sr4077
Units	ppm
Avg	.00149

#1	.00154
#2	.00144

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1907.4	58606.	3592.2	521.85

#1	1911.2	58565.	3603.0	524.15
#2	1903.7	58647.	3581.4	519.56

Sample Name: RB Acquired: 1/6/2010 13:09:16 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	F .0010	.0041	.0018	F -.0002	-.00003	F -.0009	.0001

#1	-.0001	.0016	.0042	.0039	-.0002	-.00007	-.0014	.0000
#2	.0007	.0005	.0041	-.0003	-.0002	.00002	-.0004	.0001

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0036	.0024	F -.0001	-.0004	-.0006	F .0023	-.0001	.0002

#1	-.0025	.0024	-.0002	-.0005	-.0007	.0053	.0002	.0001
#2	.0098	.0023	.0000	-.0003	-.0005	-.0007	-.0004	.0002

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0024	.0000	.0000	.0003	.0335	-.0036	-.0001	1.064

#1	-.0014	.0000	.0000	.0001	.0295	-.0039	.0008	1.079
#2	-.0033	.0000	.0000	.0005	.0375	-.0033	-.0010	1.049

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	-.0004	F .0003	-.0068	.0024	-.0001	.0004	.0002

#1	.0009	-.0003	.0002	-.0062	.0024	-.0001	.0013	.0005
#2	-.0004	-.0005	.0004	-.0073	.0024	.0000	-.0005	-.0001

Elem	Sr4077
Units	ppm
Avg	-.00003

#1	.00006
#2	-.00012

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2141.8	67273.	3749.3	664.69

#1	2137.3	67044.	3741.5	665.35
#2	2146.3	67502.	3757.1	664.04

Sample Name: CCVA6 Acquired: 1/6/2010 13:12:04 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2523	.2407	.2501	.2479	.2541	.24921	.2468	.2495	.2538
Stddev	.0010	.0026	.0001	.0003	.0016	.00095	.0004	.0023	.0073
%RSD	.4126	1.074	.0426	.1350	.6350	.38000	.1668	.9139	2.870
#1	.2530	.2388	.2500	.2481	.2553	.24854	.2471	.2511	.2486
#2	.2516	.2425	.2502	.2476	.2530	.24988	.2465	.2479	.2589
Check ?	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass	None
Value Range									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2578	.2502	.2507	.2492	.2510	.2499	.1987	.2458	.2391
Stddev	.0002	.0001	.0025	.0009	.0011	.0016	.0082	.0009	.0035
%RSD	.0882	.0373	1.013	.3645	.4362	.6468	4.103	.3735	1.471
#1	.2579	.2503	.2525	.2486	.2518	.2487	.1929	.2464	.2416
#2	.2576	.2502	.2489	.2498	.2503	.2510	.2044	.2451	.2366
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	None	Chk Pass	None
Value Range									

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1896
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2539	.2330	.2522	.2495	2.546	.2460	.2489	.9707	.2494
Stddev	.0009	.0040	.0028	.0013	.076	.0019	.0015	.0361	.0026
%RSD	.3613	1.708	1.105	.5071	2.987	.7568	.5966	3.722	1.023
#1	.2533	.2358	.2541	.2504	2.600	.2473	.2479	.9962	.2512
#2	.2546	.2302	.2502	.2486	2.492	.2446	.2500	.9451	.2476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass
Value Range									

Sample Name: CCVA6 Acquired: 1/6/2010 13:12:04 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2512	.2472	.0012	.1126	.2532	.2506	-.0014	.00007
Stddev	.0011	.0000	.0045	.0015	.0002	.0018	.0006	.00014
%RSD	.4275	.0015	369.0	1.375	.0714	.7363	47.11	199.06

#1	.2504	.2472	.0044	.1137	.2530	.2519	-.0009	.00017
#2	.2519	.2472	-.0020	.1115	.2533	.2493	-.0018	-.00003

Check ? Value Range	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass	None	None
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Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2142.8	67181.	3699.2	664.34
Stddev	12.8	158.	15.4	1.84
%RSD	.59647	.23478	.41496	.27768

#1	2133.8	67069.	3710.1	663.04
#2	2151.9	67292.	3688.3	665.64

Sample Name: CCVB6 Acquired: 1/6/2010 13:15:04 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209

Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3150
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.499	9.816	.0033	1.006	10.25	.00010	-.0016	.0002	9.870
Stddev	.020	.054	.0012	.000	.06	.00013	.0003	.0000	.020
%RSD	.2713	.5506	37.59	.0347	.6092	130.82	19.51	7.722	.2270

#1	7.484	9.854	.0024	1.006	10.20	.00019	-.0018	.0002	9.890
#2	7.513	9.778	.0042	1.006	10.29	.00001	-.0014	.0002	9.850

Check ?	None	Chk Pass	None	Chk Pass	Chk Pass	None	None	None	Chk Pass
Value									
Range									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2850
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.06	-.0004	.0006	.0003	9.671	.0012	9.319	9.613	9.590
Stddev	.32	.0000	.0003	.0008	.026	.0010	.022	.011	.080
%RSD	3.180	7.921	60.75	275.2	.2645	83.16	.2386	.1174	.9010

#1	10.28	-.0004	.0008	.0009	9.689	.0005	9.335	9.621	9.530
#2	9.832	-.0004	.0003	-.0003	9.653	.0020	9.303	9.605	9.650

Check ?	None	None	None	None	Chk Pass	None	Chk Pass	None	Chk Pass
Value									
Range									

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1890
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0000	-.0001	.0009	9.975	-.0021	.0003	10.24	.0000
Stddev	.0001	.0002	.0001	.0002	.174	.0010	.0016	.11	.0020
%RSD	33.27	697.0	56.02	25.32	1.740	49.81	549.3	1.088	352.0

#1	.0004	-.0001	-.0002	.0011	9.852	-.0028	.0015	10.17	.0020
#2	.0002	.0002	-.0001	.0007	10.10	-.0014	-.0009	10.32	-.0000

Check ?	None	None	None	None	Chk Pass	None	None	Chk Pass	None
Value									
Range									

Sample Name: CCVB6 Acquired: 1/6/2010 13:15:04 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209

Comment:

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0004	9.981	9.267	.0004	.0001	.9830	1.0028
Stddev	.0005	.0001	.098	.089	.0001	.0007	.0141	.0084
%RSD	1254.	15.37	.9837	.9639	36.31	562.4	1.433	.84022
#1	-.0003	.0003	9.911	9.204	.0003	.0006	.9731	.99685
#2	.0004	.0004	10.05	9.330	.0005	-.0003	.9930	1.0088

Check ?	None	None	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2110.2	65334.	3702.7	637.57
Stddev	.1	7.	35.1	.79
%RSD	.00603	.01056	.94877	.12346
#1	2110.3	65339.	3677.9	637.01
#2	2110.1	65329.	3727.6	638.13

Sample Name: CCB6 Acquired: 1/6/2010 13:18:09 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209

Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0008	-.0006	-.0021	.0009	.00005	-.0015	.0001
Stddev	.0000	.0011	.0035	.0019	.0003	.00001	.0014	.0001
%RSD	6.197	134.4	641.1	91.94	34.76	27.331	93.63	52.51

#1	.0005	.0000	.0020	-.0007	.0011	.00006	-.0025	.0001
#2	.0005	.0015	-.0031	-.0034	.0007	.00004	-.0005	.0002

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0038	.0008	-.0002	.0000	-.0006	.0030	-.0014	.0090
Stddev	.0065	.0001	.0002	.000	.0006	.0020	.0007	.0525
%RSD	169.8	13.31	88.36	2211.	93.09	66.01	48.25	583.0

#1	-.0008	.0009	-.0003	-.0001	-.0002	.0044	-.0009	.0461
#2	.0084	.0007	-.0001	.0001	-.0010	.0016	-.0019	-.0281

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
High Limit								
Low Limit								

Elem	Mg2795	Mg2852	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.0004	.0000	-.0002	-.0005	.0003	.0478	-.0039
Stddev	.0000	.0027	.0000	.0039	.0001	.0001	.0303	.0024
%RSD	5.225	698.8	419.8	2003.	11.82	25.77	63.37	61.62

#1	.0006	.0023	.0000	.0025	-.0005	.0004	.0264	-.0022
#2	.0007	-.0015	.0000	-.0029	-.0004	.0003	.0692	-.0055

Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB6 Acquired: 1/6/2010 13:18:09 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Ag3280	Na5895	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0017	F .4739	.0001	.0002	.0000	.0020	-.0154	.0000
Stddev	.0012	.0004	.0005	.0003	.000	.0052	.0102	.0001
%RSD	73.69	.0928	498.5	179.8	231.4	264.0	66.30	7190.
#1	-.0008	.4736	.0005	.0000	.0000	-.0017	-.0227	.0000
#2	-.0025	.4742	-.0003	.0004	-.0001	.0056	-.0082	.0001

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.2000						
Low Limit		-.2000						

Elem	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.0008	-.0001	.00001
Stddev	.0017	.0009	.00010
%RSD	208.5	597.4	1309.8
#1	.0004	.0005	.00008
#2	-.0020	-.0008	-.00006

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2137.9	66912.	3748.6	663.81
Stddev	2.5	56.	10.6	.80
%RSD	.11525	.08440	.28206	.12120
#1	2139.6	66872.	3756.1	663.24
#2	2136.2	66952.	3741.1	664.38

Sample Name: K0912614-MB Acquired: 1/6/2010 13:20:58 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	.0029	.0010	-.0038	.0002	-.00003	-.0005	.0001

#1	.0009	.0034	.0013	-.0035	.0003	-.00003	-.0010	.0001
#2	.0011	.0025	.0008	-.0041	.0001	-.00004	.0000	.0002

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	.0081	.0000	-.0006	-.0002	.0090	.0004	.0003

#1	-.0039	.0082	-.0003	-.0005	.0000	.0087	-.0001	.0004
#2	.0028	.0081	.0003	-.0006	-.0005	.0093	.0010	.0003

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	.0000	-.0008	.0006	-.0085	-.0003	-.0011	F .3705

#1	-.0012	-.0001	-.0009	.0006	-.0298	-.0019	-.0009	.3658
#2	.0003	.0001	-.0006	.0006	.0127	.0012	-.0013	.3753

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0003	.0004	.0912	-.0060	.0001	-.0025	-.0012

#1	.0009	.0003	.0002	.0927	.0034	.0001	-.0021	-.0009
#2	-.0001	.0002	.0007	.0898	-.0154	.0002	-.0029	-.0015

Elem	Sr4077
Units	ppm
Avg	.00004

#1	-.00006
#2	.00015

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2099.2	65851.	3668.9	650.68

#1	2098.3	65860.	3644.0	651.44
#2	2100.1	65843.	3693.8	649.93

Sample Name: LCSW Acquired: 1/6/2010 13:23:34 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.874	2.538	2.436	5.149	.12235	.9566	1.217	12.09

#1	4.871	2.538	2.439	5.133	.12273	.9563	1.213	12.00
#2	4.877	2.539	2.434	5.166	.12198	.9568	1.222	12.19

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.03	.5102	1.253	.6193	2.408	2.507	11.96	1.269

#1	12.23	.5115	1.250	.6197	2.404	2.492	11.94	1.273
#2	11.83	.5089	1.257	.6188	2.412	2.522	11.98	1.265

Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.024	1.235	12.45	2.321	.6119	12.41	F .0011	1.293

#1	1.020	1.229	12.44	2.327	.6116	12.37	.0015	1.298
#2	1.028	1.241	12.46	2.316	.6122	12.44	.0006	1.288

Elem	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.250	.1557	-.0124	.0001	2.560	-.0001	.00063

#1	1.237	.1547	-.0090	.0001	2.544	-.0003	.00071
#2	1.263	.1567	-.0158	.0001	2.576	.0001	.00056

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2096.8	65738.	3736.4	630.17

#1	2101.7	65695.	3742.8	633.46
#2	2092.0	65781.	3729.9	626.89

Sample Name: K0912614-001 Acquired: 1/6/2010 13:26:34 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0934	.0944	.0034	.0034	.0447	-.00002	F .0305	.0000
#1	.0931	.0918	.0028	.0054	.0446	-.00001	.0311	.0000
#2	.0936	.0970	.0040	.0014	.0448	-.00002	.0300	.0000
Elem	Ca3158	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 41.36	F .0007	.0000	.0019	.1452	.0010	2.722	2.678
#1	41.36	.0005	-.0001	.0026	.1472	.0002	2.718	2.664
#2	41.37	.0009	.0002	.0012	.1432	.0017	2.726	2.693
Elem	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0086	.0119	.0011	3.300	-.0005	-.0002	3.978	-.0002
#1	.0085	.0119	.0014	3.212	.0037	-.0003	3.989	-.0003
#2	.0087	.0119	.0008	3.387	-.0048	-.0001	3.967	-.0001
Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	F .0046	.3531	2.511	.0045	-.0006	.0006	.23355
#1	.0011	.0047	.3574	2.509	.0045	-.0001	-.0004	.23295
#2	.0016	.0046	.3487	2.513	.0044	-.0012	.0016	.23414
Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	2094.6	65580.	3684.1	642.69				
#1	2097.2	65638.	3690.2	643.90				
#2	2092.1	65522.	3677.9	641.48				

Sample Name: K0912614-002 Acquired: 1/6/2010 13:30:07 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0645	.0608	.0071	.0013	.0084	-.00001	F .0186	.0001
#1	.0646	.0615	.0057	-.0005	.0082	-.00003	.0190	.0001
#2	.0643	.0600	.0085	.0030	.0085	.00001	.0181	.0000
Elem	Ca3158	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 26.95	F .0001	-.0005	.0013	.0722	.0007	1.765	1.750
#1	27.05	.0002	-.0005	.0014	.0708	.0002	1.768	1.735
#2	26.85	.0000	-.0006	.0011	.0735	.0012	1.763	1.765
Elem	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0408	.0059	.0006	1.783	.0019	.0006	4.186	-.0005
#1	.0406	.0060	.0008	1.727	.0045	-.0002	4.133	-.0006
#2	.0411	.0058	.0005	1.839	-.0008	.0015	4.238	-.0004
Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	F .0075	.3215	1.885	.0016	-.0019	.0012	.11013
#1	.0007	.0074	.3185	1.856	.0015	-.0022	.0011	.11092
#2	.0002	.0076	.3245	1.915	.0016	-.0015	.0013	.10934
Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	2087.3	65833.	3701.5	645.60				
#1	2089.1	65834.	3660.1	648.86				
#2	2085.6	65832.	3742.9	642.34				

Sample Name: K0912614-002D Acquired: 1/6/2010 13:33:38 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0651	.0637	.0035	-.0011	.0085	-.00008	F .0144	.0000
#1	.0649	.0656	.0020	-.0019	.0083	-.00008	.0132	.0000
#2	.0653	.0619	.0051	-.0003	.0087	-.00008	.0156	.0000
Elem	Ca3158	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 27.37	F .0001	-.0001	.0014	.0745	.0009	1.792	1.750
#1	27.34	.0002	-.0001	.0009	.0727	.0018	1.788	1.752
#2	27.40	.0001	.0000	.0019	.0764	.0000	1.796	1.748
Elem	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0411	.0060	.0007	1.820	-.0033	-.0009	4.177	-.0004
#1	.0410	.0059	.0005	1.795	-.0041	-.0009	4.184	-.0007
#2	.0411	.0062	.0009	1.844	-.0026	-.0008	4.169	.0000
Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	F .0083	.2922	1.875	.0013	-.0019	.0005	.11124
#1	.0012	.0086	.2955	1.883	.0014	-.0019	.0006	.11120
#2	.0007	.0079	.2888	1.866	.0012	-.0019	.0003	.11128
Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	2088.1	65410.	3646.9	645.14				
#1	2086.3	65020.	3663.3	643.08				
#2	2089.9	65801.	3630.5	647.20				

Sample Name: K0912614-002L Acquired: 1/6/2010 13:37:10 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/5

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0135	F .0128	.0022	-.0045	F .0016	.00001	F .0018	.0000
#1	.0134	.0129	.0004	-.0044	.0013	.00000	.0025	.0001
#2	.0136	.0127	.0041	-.0046	.0019	.00002	.0011	.0000

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.264	5.420	F .0003	-.0001	-.0002	F .0155	-.0001	.3495
#1	5.236	5.368	.0003	-.0003	-.0003	.0137	.0005	.3476
#2	5.293	5.472	.0002	.0000	-.0002	.0173	-.0007	.3514

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3434	.0080	.0012	.0004	.3519	-.0030	.0001	.9831
#1	.3430	.0081	.0014	.0001	.3178	-.0047	.0001	.9967
#2	.3437	.0080	.0009	.0008	.3859	-.0013	.0001	.9695

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	-.0001	F .0034	.0590	.3499	.0002	-.0001	.0010
#1	-.0004	.0004	.0032	.0623	.3518	.0002	-.0007	.0012
#2	.0001	-.0006	.0035	.0557	.3480	.0003	.0006	.0007

Elem	Sr4077
Units	ppm
Avg	.02142
#1	.02153
#2	.02131

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2132.1	66712.	3679.9	663.94
#1	2133.5	66728.	3711.7	664.14
#2	2130.7	66696.	3648.1	663.73

Sample Name: K0912614-002S Acquired: 1/6/2010 13:40:21 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.028	.4907	.9841	2.059	.04816	.9862	.0490	F 36.86

#1	2.034	.4905	.9843	2.044	.04813	.9882	.0488	36.77
#2	2.022	.4909	.9839	2.075	.04819	.9841	.0493	36.95

Elem	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2029	.5005	.2425	1.041	.5048	11.26	.5472	1.057

#1	.2023	.4997	.2428	1.035	.5012	11.18	.5452	1.056
#2	.2036	.5014	.2421	1.047	.5084	11.34	.5492	1.058

Elem	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4936	11.85	.9345	.0490	13.95	.0008	.5190	.5008

#1	.4931	11.75	.9355	.0501	13.87	.0006	.5169	.5000
#2	.4942	11.95	.9336	.0479	14.02	.0011	.5210	.5015

Elem	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3254	1.934	.0019	1.021	.0012	.11125

#1	.3175	1.925	.0021	1.020	-.0005	.10970
#2	.3333	1.943	.0017	1.022	.0029	.11280

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2051.3	64316.	3691.3	619.71

#1	2050.1	64427.	3680.0	619.13
#2	2052.6	64205.	3702.6	620.28

Sample Name: K0912614-003 Acquired: 1/6/2010 13:43:45 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0110	F .0093	.0019	-.0017	.0054	.00001	F .0071	.0000
#1	.0109	.0083	-.0004	-.0016	.0054	-.00002	.0072	.0001
#2	.0110	.0104	.0042	-.0019	.0055	.00004	.0071	-.0001
Elem	Ca3158	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 28.55	F .0003	-.0002	.0006	F .0149	.0004	1.228	1.218
#1	28.37	.0004	-.0002	.0005	.0150	.0014	1.223	1.220
#2	28.73	.0002	-.0003	.0007	.0147	-.0006	1.233	1.216
Elem	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0090	.0004	.0006	.6265	.0011	.0007	4.394	-.0009
#1	.0089	.0008	.0005	.5820	.0009	-.0001	4.402	-.0004
#2	.0090	.0000	.0008	.6710	.0013	.0014	4.385	-.0015
Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	F .0073	.3071	1.659	.0003	-.0015	.0008	.09085
#1	.0006	.0072	.3064	1.660	.0002	-.0015	.0007	.09089
#2	.0004	.0074	.3078	1.659	.0004	-.0015	.0010	.09082
Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	2076.3	65788.	3711.6	643.44				
#1	2076.9	65952.	3730.2	642.97				
#2	2075.8	65623.	3693.0	643.92				

Sample Name: K0912614-004 Acquired: 1/6/2010 13:47:18 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0276	.0297	.0007	-.0011	.0109	-.00010	.0075	.0000
#1	.0277	.0299	.0014	-.0019	.0108	-.00012	.0072	.0000
#2	.0276	.0296	.0001	-.0003	.0109	-.00008	.0078	.0000
Elem	Ca3158	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	37.90	.0006	-.0001	.0018	.0271	-.0007	.7876	.7694
#1	37.83	.0007	.0000	.0016	.0237	-.0004	.7874	.7732
#2	37.97	.0005	-.0001	.0021	.0306	-.0009	.7878	.7656
Elem	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016	.0018	.0003	1.455	-.0012	.0004	5.236	.0007
#1	.0016	.0021	.0004	1.492	-.0027	-.0005	5.243	-.0007
#2	.0016	.0015	.0002	1.419	.0002	.0013	5.229	.0020
Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0013	.3564	1.759	.0010	-.0007	.0008	.07250
#1	.0004	.0012	.3531	1.749	.0011	.0002	.0016	.07247
#2	.0006	.0013	.3598	1.770	.0009	-.0016	.0000	.07253
Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	2068.6	64953.	3667.8	638.34				
#1	2068.3	64839.	3672.0	638.52				
#2	2068.9	65068.	3663.7	638.15				

Sample Name: K0912614-005 Acquired: 1/6/2010 13:50:50 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0043	.0052	-.0001	-.0013	.0076	.00002	.0055	.0005	36.45
#1	.0042	.0054	.0012	-.0016	.0075	-.00002	.0048	.0006	36.59
#2	.0043	.0051	-.0015	-.0010	.0076	.00005	.0062	.0004	36.31

Elem	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795	Mg2852	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	-.0001	.0277	.0074	.0065	3.038	3.004	.0044	.0020
#1	-.0005	.0002	.0284	.0102	.0062	3.045	2.999	.0044	.0025
#2	.0002	-.0004	.0270	.0045	.0068	3.031	3.010	.0043	.0016

Elem	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062	P_2149
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.2312	.0036	.0002	4.357	.0009	.0007	.1573	.3163
#1	.0008	.2012	.0028	.0007	4.354	.0013	.0004	.1562	.3154
#2	.0003	.2613	.0045	-.0003	4.360	.0006	.0009	.1584	.3172

Elem	Si2516	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm
Avg	2.836	.0003	.0005	.0008	.26875
#1	2.830	.0003	-.0002	.0001	.26853
#2	2.843	.0003	.0013	.0015	.26897

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2076.6	65628.	3687.4	639.72
#1	2080.7	65660.	3681.8	641.30
#2	2072.4	65596.	3693.0	638.15

Sample Name: CCVA7 Acquired: 1/6/2010 13:54:21 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2520	.2355	.2520	.2479	.2541	.24757	.2447	.2504
Stddev	.0016	.0008	.0021	.0016	.0004	.00148	.0007	.0007
%RSD	.6294	.3589	.8485	.6353	.1597	.59971	.2987	.2784

#1	.2509	.2349	.2505	.2468	.2538	.24862	.2452	.2500
#2	.2531	.2361	.2535	.2490	.2544	.24652	.2441	.2509

Check ?	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2407	.2585	.2508	.2527	.2456	.2448	.2479	.2055
Stddev	.0134	.0001	.0006	.0007	.0037	.0049	.0006	.0186
%RSD	5.570	.0391	.2288	.2681	1.509	2.013	.2532	9.036

#1	.2502	.2585	.2504	.2522	.2482	.2483	.2474	.1923
#2	.2313	.2584	.2512	.2532	.2430	.2413	.2483	.2186

Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	None
Value Range								

Elem	Mg2795	Mg2852	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2431	.2433	.2552	.2365	.2548	.2502	2.487	.2524
Stddev	.0010	.0023	.0001	.0046	.0005	.0014	.061	.0029
%RSD	.4184	.9514	.0506	1.963	.1883	.5415	2.435	1.167

#1	.2438	.2417	.2552	.2332	.2545	.2493	2.444	.2503
#2	.2424	.2450	.2551	.2398	.2552	.2512	2.530	.2544

Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value Range								

Sample Name: CCVA7 Acquired: 1/6/2010 13:54:21 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Ag3280	Na5895	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2493	.4555	.2509	.2522	.2489	-.0005	.1165	.2513
Stddev	.0011	.0041	.0023	.0001	.0011	.0075	.0288	.0004
%RSD	.4261	.9074	.9128	.0251	.4282	1387.	24.68	.1512
#1	.2486	.4526	.2493	.2523	.2481	-.0058	.0962	.2510
#2	.2501	.4585	.2525	.2522	.2496	.0047	.1369	.2515

Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value Range								

Elem	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2507	-.0005	-.00002
Stddev	.0007	.0012	.00007
%RSD	.2595	239.1	312.49
#1	.2502	-.0014	-.00007
#2	.2512	.0004	.00003

Check ?	Chk Pass	None	None
Value Range			

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2135.8	67015.	3752.9	662.59
Stddev	2.8	325.	58.6	1.10
%RSD	.13096	.48449	1.5622	.16648
#1	2133.8	67245.	3711.4	661.81
#2	2137.8	66786.	3794.3	663.37

Sample Name: CCVB7 Acquired: 1/6/2010 13:57:21 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.509	9.809	.0007	.9983	10.29	.00011	-.0009	.0002	9.824
Stddev	.013	.053	.0018	.0008	.04	.00002	.0006	.0001	.042
%RSD	.1720	.5422	240.2	.0817	.4125	16.413	63.49	39.17	.4266
#1	7.518	9.847	-.0005	.9977	10.32	.00012	-.0005	.0003	9.794
#2	7.500	9.772	.0020	.9989	10.26	.00010	-.0013	.0002	9.853
Check ? Value Range	None	Chk Pass	None	Chk Pass	Chk Pass	None	None	None	Chk Pass

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.978	-.0002	.0002	.0002	9.697	.0010	9.276	9.607	9.735
Stddev	.023	.0001	.0001	.0000	.032	.0005	.050	.039	.027
%RSD	.2279	31.09	68.10	9.283	.3309	49.18	.5436	.4092	.2748
#1	9.994	-.0002	.0003	.0002	9.674	.0013	9.240	9.579	9.716
#2	9.962	-.0003	.0001	.0002	9.719	.0006	9.312	9.634	9.754
Check ? Value Range	None	None	None	None	Chk Pass	None	Chk Pass	None	Chk Pass

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0021	.0001	.0010	10.18	-.0017	-.0002	10.29	.0003
Stddev	.0000	.0015	.0002	.0001	.05	.0009	.0002	.10	.0004
%RSD	17.32	70.17	198.1	7.609	.4904	53.56	62.34	.9680	111.6
#1	.0002	.0032	.0000	.0010	10.21	-.0024	-.0004	10.22	.0001
#2	.0003	.0011	.0002	.0011	10.14	-.0011	-.0001	10.36	.0006
Check ? Value Range	None	None	None	None	Chk Pass	None	None	Chk Pass	None

Sample Name: CCVB7 Acquired: 1/6/2010 13:57:21 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209

Comment:

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0005	9.949	9.388	.0005	.0014	1.013	1.0086
Stddev	.0002	.0001	.015	.012	.0001	.0005	.001	.0012
%RSD	87.35	19.98	.1505	.1267	19.13	35.62	.1303	.11664

#1	.0001	.0005	9.960	9.397	.0004	.0018	1.014	1.0094
#2	.0003	.0006	9.939	9.380	.0006	.0011	1.012	1.0077

Check ?	None	None	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2090.5	65549.	3772.7	631.95
Stddev	1.2	277.	7.2	1.27
%RSD	.05849	.42266	.19096	.20063

#1	2089.6	65745.	3767.6	631.05
#2	2091.3	65353.	3777.8	632.84

Sample Name: CCB7 Acquired: 1/6/2010 14:00:27 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	.0018	.0039	-.0001	.0012	.00006	-.0014	.0001	.0025
Stddev	.0006	.0023	.0060	.0031	.0005	.00004	.0011	.0001	.0074
%RSD	55.45	129.6	151.9	2295.	40.97	75.815	76.26	123.2	299.6

#1	.0015	.0001	-.0003	.0020	.0015	.00009	-.0022	.0000	.0077
#2	.0007	.0034	.0081	-.0023	.0008	.00003	-.0007	.0001	-.0028

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	.0001	.0001	-.0003	.0020	-.0003	-.0415	.0010	-.0002
Stddev	.0001	.0001	.0002	.0010	.0007	.0004	.0089	.0000	.0008
%RSD	6.900	210.7	116.9	306.2	33.06	117.3	21.33	4.516	377.1

#1	.0013	.0001	.0003	-.0011	.0015	-.0001	-.0353	.0010	-.0008
#2	.0012	.0000	.0000	.0004	.0025	-.0006	-.0478	.0009	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0001	-.0003	.0006	-.0018	-.0014	.0002	.1657	-.0005
Stddev	.0001	.0001	.0004	.0001	.0145	.0001	.0006	.0000	.0004
%RSD	267.2	142.3	137.3	13.13	797.1	8.831	339.5	.0224	72.79

#1	.0000	-.0002	.0000	.0006	.0084	-.0015	-.0003	.1657	-.0008
#2	.0001	.0000	-.0006	.0005	-.0121	-.0013	.0006	.1657	-.0003

Check ? Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB7 Acquired: 1/6/2010 14:00:27 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0000	-.0024	-.0116	.0000	-.0002	.0012	.00014
Stddev	.0000	.0005	.0011	.0096	.000	.0005	.0013	.00009
%RSD	1.093	1556.	48.38	82.54	70.08	265.0	108.7	64.979
#1	.0004	-.0003	-.0032	-.0183	.0000	-.0005	.0003	.00008
#2	.0004	.0004	-.0015	-.0048	.0000	.0002	.0021	.00021

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2110.6	66328.	3710.6	655.87
Stddev	2.6	88.	27.7	1.03
%RSD	.12180	.13206	.74661	.15669
#1	2108.8	66266.	3691.0	655.14
#2	2112.5	66390.	3730.2	656.60

Sample Name: K0912614-006 Acquired: 1/6/2010 14:03:15 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0449	.0413	.0052	-.0014	F .0006	.00001	F .0001	.0000

#1	.0446	.0421	.0051	.0014	.0005	.00001	.0005	.0001
#2	.0451	.0406	.0053	-.0042	.0006	.00001	-.0002	.0000

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.122	9.522	F -.0003	-.0001	.0006	.0591	-.0010	.8967

#1	9.159	9.642	-.0006	.0004	.0011	.0575	-.0011	.9003
#2	9.086	9.401	.0000	-.0005	.0002	.0607	-.0008	.8932

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8751	.0044	-.0008	.0005	.1730	-.0002	.0000	3.614

#1	.8724	.0045	-.0012	.0005	.0817	-.0007	-.0002	3.594
#2	.8778	.0043	-.0004	.0005	.2643	.0004	.0001	3.634

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0006	F .0003	.3905	.8010	.0004	-.0015	-.0007

#1	.0001	.0011	.0004	.3979	.7870	.0004	-.0016	-.0010
#2	.0009	.0001	.0002	.3831	.8150	.0005	-.0014	-.0004

Elem	Sr4077
Units	ppm
Avg	.02577

#1	.02584
#2	.02569

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2094.5	66051.	3680.1	650.90

#1	2100.1	65895.	3648.0	651.94
#2	2089.0	66208.	3712.3	649.85

Sample Name: K0911474-006 Acquired: 1/6/2010 14:06:29 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0011	F -.0009	.0048	.0001	F -.0006	-.00017	F -.0003	.0000

#1	-.0011	-.0013	.0042	-.0023	-.0003	-.00021	-.0005	.0000
#2	-.0010	-.0005	.0054	.0024	-.0009	-.00014	-.0001	.0000

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0018	-.0038	F .0000	-.0003	-.0256	F -.0008	.0006	-.0001

#1	-.0078	-.0037	.0000	-.0004	-.0298	.0018	.0018	-.0001
#2	.0041	-.0038	.0001	-.0002	-.0214	-.0033	-.0007	-.0001

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0021	.0000	-.0001	.0001	.1327	.0021	-.0013	.0350

#1	-.0015	.0000	.0001	.0001	.1532	-.0005	-.0008	.0294
#2	-.0027	.0000	-.0003	.0001	.1122	.0046	-.0018	.0405

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0002	F -.0004	.0005	-.0097	.0001	.0004	-.0001

#1	.0000	.0004	-.0004	.0011	-.0125	-.0001	.0005	-.0003
#2	-.0002	.0000	-.0004	.0000	-.0068	.0003	.0004	.0001

Elem	Sr4077
Units	ppm
Avg	-.00005

#1	.00010
#2	-.00021

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	*****	*****	6349.1	1622.2

#1	5334.1	-----	6089.7	1627.8
#2	-----	-----	6608.5	1616.7

Sample Name: K0912614-007 Acquired: 1/6/2010 14:09:05 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0420	.0380	.0016	-.0009	F .0009	.00005	F -.0005	.0000

#1	.0419	.0385	-.0024	-.0001	.0008	-.00001	-.0002	.0000
#2	.0420	.0375	.0056	-.0017	.0010	.00010	-.0008	-.0001

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.089	9.036	F .0003	-.0002	.0002	.0569	-.0009	.8929

#1	9.073	8.961	.0003	-.0001	.0002	.0546	-.0013	.8930
#2	9.105	9.110	.0003	-.0004	.0002	.0592	-.0005	.8927

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8691	.0041	-.0009	.0005	.1922	-.0002	.0006	3.633

#1	.8730	.0040	-.0003	.0003	.1303	.0001	.0011	3.637
#2	.8653	.0041	-.0014	.0007	.2540	-.0005	.0001	3.629

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	.0001	F .0007	.3100	.7983	.0003	-.0009	.0000

#1	.0022	-.0002	.0006	.3130	.8068	.0003	-.0006	-.0001
#2	.0001	.0005	.0007	.3071	.7898	.0003	-.0011	.0002

Elem	Sr4077
Units	ppm
Avg	.02588

#1	.02606
#2	.02570

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2090.8	66105.	3686.9	646.84

#1	2094.1	66241.	3697.8	647.44
#2	2087.6	65968.	3675.9	646.25

Sample Name: K0912614-008 Acquired: 1/6/2010 14:12:16 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0029	F .0038	.0066	-.0028	F .0003	-.00001	F -.0016	.0000

#1	.0028	.0033	.0097	-.0039	.0006	-.00006	-.0007	.0000
#2	.0030	.0043	.0035	-.0017	.0000	.00004	-.0026	-.0001

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6273	.6557	F .0002	.0000	.0000	F .0164	.0007	.1236

#1	.6295	.6570	.0003	-.0002	-.0004	.0145	.0002	.1240
#2	.6252	.6544	.0001	.0001	.0003	.0183	.0012	.1232

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1221	.0010	-.0004	.0004	.0846	.0019	-.0002	.3883

#1	.1215	.0010	-.0004	.0003	.0851	.0036	.0004	.3778
#2	.1227	.0011	-.0004	.0006	.0841	.0001	-.0008	.3988

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	.0002	F .0006	.3626	.0094	-.0001	-.0018	-.0001

#1	.0000	.0006	.0006	.3621	.0101	-.0002	-.0026	.0004
#2	.0020	-.0002	.0006	.3630	.0086	-.0001	-.0011	-.0007

Elem	Sr4077
Units	ppm
Avg	.00430

#1	.00420
#2	.00440

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2097.7	66191.	3693.8	646.66

#1	2098.1	66328.	3692.3	647.72
#2	2097.4	66054.	3695.4	645.61

Sample Name: K0912614-001 Acquired: 1/6/2010 14:15:22 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: DISS

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0160	.0204	.0042	-.0001	.0435	-.00006	F .0272	-.0001
#1	.0159	.0187	.0050	-.0006	.0436	-.00005	.0282	.0000
#2	.0161	.0220	.0034	.0004	.0434	-.00006	.0262	-.0002

Elem	Ca3158	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 41.16	F -.0002	.0002	.0009	.0201	.0000	2.643	2.577
#1	41.18	-.0003	.0002	.0006	.0201	.0010	2.643	2.589
#2	41.15	-.0001	.0003	.0011	.0200	-.0011	2.643	2.565

Elem	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0056	.0127	.0007	3.170	.0010	-.0009	3.727	.0011
#1	.0055	.0127	.0006	3.152	-.0003	-.0012	3.755	.0013
#2	.0056	.0128	.0008	3.188	.0023	-.0007	3.698	.0010

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	F .0051	.2574	2.329	.0007	-.0030	.0019	.23379
#1	.0009	.0050	.2569	2.326	.0008	-.0033	.0012	.23458
#2	.0004	.0053	.2580	2.331	.0006	-.0027	.0026	.23300

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2060.8	64900.	3625.0	634.88
#1	2059.6	64705.	3636.0	635.09
#2	2061.9	65095.	3613.9	634.68

Sample Name: K0912614-002 Acquired: 1/6/2010 14:18:54 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: DISS

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0092	F .0081	.0075	-.0023	.0081	.00006	F .0191	.0000

#1	.0089	.0110	.0066	-.0038	.0078	.00005	.0201	.0000
#2	.0094	.0052	.0084	-.0008	.0083	.00007	.0182	.0001

Elem	Ca3158	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 29.79	F .0003	.0017	.0007	F .0147	.0006	1.899	1.858

#1	29.71	.0004	.0020	.0006	.0160	.0005	1.897	1.853
#2	29.86	.0001	.0014	.0008	.0134	.0007	1.901	1.862

Elem	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0444	.0060	.0007	1.949	.0020	-.0013	4.290	-.0003

#1	.0444	.0058	.0006	1.978	.0026	.0008	4.285	-.0019
#2	.0445	.0061	.0008	1.920	.0014	-.0035	4.294	.0014

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	.0189	.2878	1.983	.0001	-.0002	.0024	.12163

#1	.0013	.0188	.2840	1.976	.0000	-.0012	.0033	.12105
#2	.0006	.0191	.2915	1.990	.0003	.0009	.0014	.12220

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2073.9	65438.	3654.7	640.04

#1	2081.3	65411.	3656.4	643.10
#2	2066.4	65464.	3653.0	636.99

Sample Name: K0912614-003 Acquired: 1/6/2010 14:22:26 Type: Unk
Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
Comment: DISS

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0101	F .0089	.0010	.0007	.0051	.00002	F .0057	.0000

#1	.0100	.0110	.0011	.0019	.0051	.00008	.0047	.0000
#2	.0102	.0067	.0009	-.0006	.0051	-.00003	.0066	.0000

Elem	Ca3158	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 27.11	F .0001	.0013	.0006	F .0123	-.0002	1.202	1.187

#1	27.05	-.0004	.0014	.0003	.0113	-.0010	1.201	1.179
#2	27.17	.0006	.0011	.0008	.0133	.0005	1.204	1.194

Elem	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0101	.0003	.0007	.6872	.0000	-.0001	4.091	-.0004

#1	.0102	.0008	.0008	.6665	.0008	-.0006	4.061	-.0001
#2	.0101	-.0001	.0006	.7080	-.0007	.0005	4.120	-.0006

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	F .0063	.3015	1.609	.0003	-.0015	.0004	.08815

#1	.0008	.0065	.3013	1.599	.0005	-.0017	-.0006	.08769
#2	.0002	.0062	.3016	1.620	.0001	-.0012	.0015	.08861

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2073.3	65161.	3664.1	640.82

#1	2076.3	64951.	3653.0	641.37
#2	2070.2	65370.	3675.2	640.27

Sample Name: K0911474-006 Acquired: 1/6/2010 14:26:00 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0119	F .0102	.0033	-.0014	F .0006	-.00006	.1916	.0001

#1	.0120	.0117	.0030	-.0045	.0009	-.00006	.1933	.0002
#2	.0117	.0087	.0037	.0016	.0004	-.00006	.1898	.0000

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0559	.0496	F .0014	.0000	.0064	.0207	-.0003	.0151

#1	.0626	.0496	.0012	-.0001	.0067	.0193	-.0001	.0149
#2	.0493	.0496	.0015	.0000	.0061	.0221	-.0004	.0152

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0140	.0009	.0001	.0013	.0434	.0202	-.0003	.1662

#1	.0139	.0009	.0000	.0013	.0198	.0215	-.0006	.1568
#2	.0141	.0009	.0002	.0014	.0670	.0188	-.0001	.1757

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0130	.0005	.0103	.0367	.0543	.0007	-.0012	-.0011

#1	.0128	.0005	.0101	.0368	.0555	.0008	-.0010	-.0012
#2	.0132	.0005	.0104	.0365	.0531	.0005	-.0014	-.0010

Elem	Sr4077
Units	ppm
Avg	.00014

#1	-.00007
#2	.00035

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2134.1	66646.	3699.9	670.07

#1	2126.4	66296.	3678.0	667.43
#2	2141.7	66995.	3721.7	672.70

Sample Name: K0912614-004 Acquired: 1/6/2010 14:29:05 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: DISS

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0130	.0154	-.0005	.0020	.0102	-.00002	.0065	-.0001

#1	.0130	.0153	.0002	.0009	.0105	-.00011	.0053	.0000
#2	.0129	.0156	-.0012	.0030	.0100	.00006	.0077	-.0001

Elem	Ca3158	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	35.19	-.0004	.0023	.0007	.0110	-.0007	.7265	.7117

#1	35.27	-.0001	.0023	.0009	.0104	-.0007	.7283	.7161
#2	35.11	-.0007	.0022	.0005	.0117	-.0007	.7246	.7073

Elem	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0043	.0001	.0009	1.348	-.0002	-.0005	4.787	.0005

#1	.0043	.0003	.0008	1.343	.0006	-.0010	4.779	.0006
#2	.0044	-.0001	.0010	1.352	-.0010	.0000	4.794	.0004

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0013	.2867	1.592	.0004	-.0019	-.0001	.06773

#1	.0005	.0014	.2870	1.586	.0003	-.0021	.0005	.06823
#2	.0009	.0012	.2863	1.599	.0004	-.0017	-.0006	.06724

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2068.3	65481.	3659.8	638.85

#1	2066.2	65563.	3654.8	637.64
#2	2070.4	65400.	3664.7	640.06

Sample Name: K0912614-005 Acquired: 1/6/2010 14:32:38 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: DISS

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0030	F .0062	.0041	.0004	.0081	-.00006	F .0061	.0005

#1	.0032	.0078	.0019	.0018	.0083	-.00001	.0066	.0006
#2	.0029	.0046	.0064	-.0010	.0078	-.00012	.0056	.0005

Elem	Ca3158	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 37.79	F .0005	.0000	.0284	F .0121	.0063	3.138	3.064

#1	37.90	.0009	.0002	.0286	.0117	.0064	3.147	3.061
#2	37.67	.0000	-.0003	.0283	.0126	.0061	3.129	3.067

Elem	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0047	.0009	.0011	.2187	-.0015	.0001	4.314	-.0003

#1	.0047	.0010	.0009	.2303	-.0016	.0001	4.294	-.0002
#2	.0047	.0008	.0013	.2071	-.0013	.0000	4.334	-.0004

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.1608	.3404	2.893	.0004	-.0003	.0004	.28084

#1	.0005	.1611	.3408	2.887	.0004	.0004	.0001	.28093
#2	.0008	.1606	.3400	2.898	.0004	-.0010	.0008	.28075

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2063.8	65167.	3619.5	636.21

#1	2064.7	65275.	3608.3	635.25
#2	2062.9	65060.	3630.7	637.16

Sample Name: CCVA8 Acquired: 1/6/2010 14:36:10 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209

Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2539	.2399	.2496	.2459	.2610	.24739	.2440	.2521	.2533
Stddev	.0000	.0031	.0039	.0014	.0015	.00010	.0002	.0004	.0085
%RSD	.0145	1.306	1.563	.5893	.5678	.04096	.0936	.1498	3.369

#1	.2539	.2377	.2468	.2449	.2621	.24732	.2442	.2524	.2472
#2	.2539	.2421	.2523	.2470	.2600	.24746	.2439	.2519	.2593

Check ?	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2629	.2527	.2521	.2470	.2480	.2511	.1988	.2445	.2373
Stddev	.0018	.0005	.0003	.0006	.0036	.0017	.0025	.0027	.0039
%RSD	.6897	.2154	.1009	.2271	1.446	.6938	1.246	1.106	1.638

#1	.2642	.2530	.2523	.2466	.2455	.2523	.1971	.2464	.2401
#2	.2616	.2523	.2519	.2474	.2505	.2498	.2006	.2425	.2346

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	None	Chk Pass	None
Value									
Range									

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2556	.2321	.2536	.2510	2.529	.2480	.2496	.3757	.2494
Stddev	.0004	.0012	.0001	.0012	.029	.0027	.0017	.0085	.0000
%RSD	.1660	.5345	.0510	.4598	1.145	1.081	.6987	2.266	.0143

#1	.2559	.2313	.2535	.2502	2.509	.2461	.2508	.3818	.2494
#2	.2553	.2330	.2537	.2519	2.550	.2499	.2483	.3697	.2494

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass
Value									
Range									

Sample Name: CCVA8 Acquired: 1/6/2010 14:36:10 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2530	.2496	.0005	.1020	.2537	.2503	.0000	.00027
Stddev	.0015	.0009	.0010	.0143	.0001	.0014	.001	.00014
%RSD	.5908	.3644	204.4	14.06	.0465	.5710	2156.	52.714
#1	.2520	.2502	.0012	.0919	.2536	.2493	-.0005	.00017
#2	.2541	.2489	-.0002	.1121	.2538	.2513	.0005	.00037
Check ? Value Range	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass	None	None

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2125.9	66601.	3667.3	660.13
Stddev	6.5	45.	2.9	1.99
%RSD	.30408	.06802	.07998	.30135
#1	2121.3	66633.	3665.2	658.72
#2	2130.5	66569.	3669.3	661.54

Sample Name: CCVB8 Acquired: 1/6/2010 14:39:10 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.594	9.780	.0017	1.003	10.43	.00002	-.0007	.0001	9.860
Stddev	.019	.028	.0045	.001	.02	.00004	.0000	.0000	.016
%RSD	.2536	.2886	257.4	.1279	.2113	265.83	4.383	9.351	.1635

#1	7.580	9.760	.0049	1.002	10.41	-.00001	-.0008	.0001	9.849
#2	7.608	9.800	-.0014	1.004	10.44	.00005	-.0007	.0001	9.871

Check ?	None	Chk Pass	None	Chk Pass	Chk Pass	None	None	None	Chk Pass
Value Range									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.950	-.0002	.0002	.0004	9.675	.0009	9.190	9.582	9.529
Stddev	.025	.0000	.0001	.0002	.035	.0024	.002	.003	.014
%RSD	.2561	23.04	57.53	46.72	.3581	281.3	.0177	.0292	.1434

#1	9.968	-.0002	.0001	.0005	9.699	-.0009	9.189	9.584	9.519
#2	9.932	-.0001	.0003	.0002	9.650	.0026	9.191	9.580	9.538

Check ?	None	None	None	None	Chk Pass	None	Chk Pass	None	Chk Pass
Value Range									

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0012	.0001	.0009	10.14	-.0039	-.0007	9.883	.0004
Stddev	.0001	.0004	.0004	.0002	.01	.0032	.0005	.051	.0009
%RSD	36.57	36.74	583.5	24.87	.1101	81.94	79.16	.5144	267.1

#1	.0002	.0015	.0003	.0007	10.15	-.0062	-.0010	9.847	-.0003
#2	.0003	.0009	-.0002	.0011	10.13	-.0016	-.0003	9.918	.0010

Check ?	None	None	None	None	Chk Pass	None	None	Chk Pass	None
Value Range									

Sample Name: CCVB8 Acquired: 1/6/2010 14:39:10 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0010	9.943	9.200	.0005	.0032	.9866	1.0231
Stddev	.0003	.0003	.022	.002	.0002	.0004	.0006	.0026
%RSD	53.43	33.54	.2218	.0215	30.46	11.27	.0603	.25754
#1	.0008	.0008	9.928	9.199	.0007	.0029	.9862	1.0213
#2	.0003	.0012	9.959	9.202	.0004	.0034	.9871	1.0250
Check ? Value Range	None	None	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2083.7	64920.	3685.4	633.45
Stddev	.3	184.	2.9	2.33
%RSD	.01600	.28349	.07879	.36844
#1	2083.4	64789.	3683.4	635.10
#2	2083.9	65050.	3687.5	631.80

Sample Name: CCB8 Acquired: 1/6/2010 14:42:14 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209

Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	.0016	.0013	.0014	.0017	.00002	-.0021	.0001	.0035
Stddev	.0003	.0026	.0004	.0033	.0000	.00003	.0003	.0001	.0034
%RSD	17.95	159.6	27.68	228.3	2.960	220.85	11.81	196.1	96.25

#1	.0016	-.0002	.0015	.0037	.0017	.00004	-.0020	.0002	.0059
#2	.0013	.0034	.0010	-.0009	.0016	-.00001	-.0023	.0000	.0011

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0022	.0000	-.0001	-.0003	.0001	-.0001	-.0556	.0013	.0003
Stddev	.0000	.0000	.0002	.0002	.0038	.0002	.0066	.0001	.0034
%RSD	.7825	132.0	123.3	54.65	4582.	253.2	11.86	3.868	1061.

#1	.0022	.0000	-.0003	-.0004	-.0026	-.0003	-.0603	.0013	.0027
#2	.0022	.0000	.0000	-.0002	.0027	.0001	-.0509	.0013	-.0021

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0006	.0000	.0004	.0066	-.0025	.0002	.1057	.0002
Stddev	.0001	.0000	.001	.0001	.0144	.0025	.0004	.0032	.0003
%RSD	68.78	8.642	90360.	37.27	218.8	97.52	159.5	3.037	129.2

#1	.0000	.0005	.0005	.0005	.0168	-.0043	.0005	.1080	.0005
#2	.0001	.0006	-.0005	.0003	-.0036	-.0008	.0000	.1035	.0000

Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Sample Name: CCB8 Acquired: 1/6/2010 14:42:14 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	-.0002	.0016	.0029	-.0002	-.0002	.0001	.00003
Stddev	.0002	.0001	.0029	.0075	.0001	.0021	.0011	.00006
%RSD	86.80	46.59	181.8	259.1	70.37	1082.	1617.	213.54
#1	.0004	-.0003	-.0005	.0082	-.0001	.0013	-.0007	.00007
#2	.0001	-.0002	.0036	-.0024	-.0002	-.0017	.0009	-.00001

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2115.2	66210.	3674.1	660.37
Stddev	4.0	221.	50.9	1.26
%RSD	.19033	.33447	1.3846	.19131
#1	2118.1	66366.	3710.0	659.48
#2	2112.4	66053.	3638.1	661.27

Sample Name: K0911474-006 Acquired: 1/6/2010 14:45:03 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: MS

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0116	.0111	.0005	-.0012	.0007	.00000	.1960	.0001	.0482

#1	.0117	.0128	.0010	-.0016	.0008	.00004	.1947	.0001	.0533
#2	.0115	.0093	.0001	-.0008	.0006	-.00004	.1974	.0001	.0430

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795	Mg2852	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0430	.0015	.0001	.0069	.0174	.0009	.0148	.0124	.0008

#1	.0430	.0013	.0000	.0064	.0210	.0002	.0147	.0110	.0008
#2	.0431	.0017	.0001	.0074	.0139	.0016	.0148	.0138	.0008

Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	.0015	.0455	.0208	.0000	.1721	.0125	-.0001	.0099

#1	-.0001	.0017	.0460	.0199	.0014	.1767	.0137	-.0002	.0101
#2	-.0008	.0014	.0450	.0217	-.0014	.1674	.0113	-.0001	.0097

Elem	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1008	.0560	.0006	-.0005	-.0005	.00007

#1	.0999	.0613	.0006	-.0010	-.0011	.00007
#2	.1017	.0507	.0005	.0000	.0001	.00007

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2126.9	67172.	3730.3	669.74

#1	2129.4	67173.	3741.2	670.12
#2	2124.3	67171.	3719.5	669.36

Sample Name: K0911474-006 Acquired: 1/6/2010 14:48:11 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: BOTTLE

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0113	.0114	.0028	-.0001	.0008	-.00002	.1977	.0002
#1	.0111	.0116	.0024	.0001	.0009	.00006	.1983	.0002
#2	.0114	.0113	.0031	-.0003	.0006	-.00010	.1971	.0002
Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0437	.0420	.0005	-.0001	.0064	.0099	.0002	.0147
#1	.0392	.0423	.0001	.0001	.0064	.0083	-.0003	.0148
#2	.0482	.0417	.0010	-.0003	.0063	.0115	.0007	.0146
Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0134	.0009	-.0004	.0013	.0858	.0227	.0005	.1846
#1	.0121	.0009	-.0007	.0016	.1149	.0222	.0006	.1733
#2	.0146	.0009	.0000	.0010	.0567	.0233	.0005	.1959
Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0132	.0003	.0101	.0235	.0405	.0005	-.0007	.0002
#1	.0129	.0003	.0101	.0245	.0488	.0003	-.0010	.0000
#2	.0135	.0003	.0100	.0225	.0323	.0006	-.0004	.0003
Elem	Sr4077							
Units	ppm							
Avg	.00009							
#1	-.00012							
#2	.00029							
Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	2135.1	67422.	3724.9	674.86				
#1	2138.0	67429.	3716.6	675.42				
#2	2132.2	67414.	3733.2	674.30				

Sample Name: K0912614-006 Acquired: 1/6/2010 14:51:17 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: DISS

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0395	.0383	.0025	.0015	.0008	.00001	.0000	.0001	9.101
#1	.0392	.0371	.0005	-.0008	.0007	.00002	.0014	.0002	9.099
#2	.0397	.0395	.0044	.0039	.0009	-.00001	-.0013	-.0001	9.103

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795	Mg2852	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.407	.0000	.0010	.0008	.0518	.0001	.8910	.8666	.0055
#1	9.402	.0002	.0009	.0010	.0552	.0006	.8922	.8623	.0055
#2	9.412	-.0002	.0012	.0006	.0484	-.0004	.8897	.8710	.0056

Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	.0002	.1490	.0013	-.0015	3.546	-.0001	.0005	.0171
#1	-.0003	.0001	.1752	.0042	-.0021	3.540	.0005	.0006	.0168
#2	-.0007	.0003	.1227	-.0015	-.0010	3.552	-.0006	.0005	.0175

Elem	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2906	.7972	.0005	-.0011	-.0011	.02611
#1	.2840	.7768	.0006	.0000	-.0010	.02623
#2	.2972	.8177	.0005	-.0022	-.0012	.02599

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2073.1	65451.	3652.3	645.48
#1	2073.0	65235.	3627.7	644.41
#2	2073.3	65667.	3676.9	646.55

Sample Name: K0912614-007 Acquired: 1/6/2010 14:54:30 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: DISS

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0375	.0360	.0002	-.0024	.0007	-.00004	.0008	.0000

#1	.0372	.0362	.0015	-.0038	.0009	-.00005	.0014	.0000
#2	.0379	.0357	-.0011	-.0009	.0005	-.00003	.0002	.0000

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.812	9.084	.0000	.0009	.0004	.0455	.0002	.8656

#1	8.776	8.932	.0001	.0010	.0003	.0420	.0008	.8654
#2	8.848	9.236	.0000	.0009	.0004	.0491	-.0005	.8658

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8338	.0045	-.0004	.0005	.1630	-.0004	-.0010	3.414

#1	.8370	.0045	-.0004	.0004	.1743	-.0017	.0009	3.451
#2	.8305	.0045	-.0005	.0005	.1517	.0008	-.0028	3.377

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0004	.0004	.3284	.7419	.0003	.0003	.0014

#1	-.0010	.0008	.0005	.3334	.7446	.0004	.0011	.0017
#2	.0014	-.0001	.0003	.3235	.7392	.0003	-.0004	.0011

Elem	Sr4077
Units	ppm
Avg	.02516

#1	.02504
#2	.02528

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2083.8	65315.	3643.5	646.76

#1	2086.6	65306.	3667.9	647.45
#2	2080.9	65323.	3619.2	646.07

Sample Name: K0912614-008 Acquired: 1/6/2010 14:57:42 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: DISS

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018	.0010	.0010	-.0031	.0002	-.00005	-.0016	.0000
#1	.0021	-.0010	.0020	-.0043	.0001	-.00002	-.0024	.0000
#2	.0016	.0029	.0000	-.0019	.0002	-.00008	-.0009	.0000
Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7135	.7499	-.0002	.0003	-.0001	.0105	-.0001	.1408
#1	.7127	.7524	-.0005	.0002	-.0004	.0111	-.0002	.1405
#2	.7143	.7475	.0000	.0004	.0001	.0100	.0000	.1411
Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1378	.0012	-.0001	.0001	-.0065	-.0001	.0019	.3614
#1	.1369	.0013	-.0003	.0003	-.0305	-.0013	.0021	.3597
#2	.1386	.0012	.0000	-.0001	.0175	.0011	.0018	.3631
Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	.0003	.0010	.2510	.0113	.0001	-.0006	.0004
#1	.0002	-.0001	.0009	.2485	.0077	.0002	-.0015	.0003
#2	.0022	.0008	.0012	.2536	.0149	.0000	.0003	.0004
Elem	Sr4077							
Units	ppm							
Avg	.00481							
#1	.00469							
#2	.00492							
Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	2100.4	66214.	3660.5	652.89				
#1	2101.7	66215.	3664.1	650.72				
#2	2099.1	66214.	3656.9	655.06				

Sample Name: RB Acquired: 1/6/2010 15:00:48 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	-.0003	.0019	.0014	.0000	.00007	-.0013	.0000

#1	.0004	-.0001	-.0013	.0001	-.0001	.00005	-.0018	.0001
#2	.0002	-.0005	.0052	.0026	.0001	.00010	-.0008	.0000

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049	.0028	.0000	-.0003	-.0001	.0004	-.0003	.0001

#1	-.0096	.0027	.0000	-.0006	.0003	.0047	.0006	.0002
#2	.0194	.0028	.0001	-.0001	-.0005	-.0038	-.0013	.0001

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0022	.0000	-.0002	.0005	-.0011	-.0006	.0006	.0479

#1	-.0020	.0001	.0000	.0007	-.0289	.0031	-.0003	.0416
#2	-.0023	.0000	-.0003	.0004	.0267	-.0043	.0015	.0542

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0001	.0004	.0021	-.0174	-.0001	-.0001	-.0003

#1	.0009	-.0001	.0006	.0074	-.0314	-.0001	.0004	-.0015
#2	-.0002	.0003	.0002	-.0033	-.0034	-.0001	-.0006	.0009

Elem	Sr4077
Units	ppm
Avg	-.00002

#1	-.00008
#2	.00003

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2100.8	65762.	3650.1	656.20

#1	2102.0	66000.	3681.2	656.13
#2	2099.6	65524.	3619.1	656.26

Sample Name: R0907049-MB Acquired: 1/6/2010 15:03:37 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.0013	.0005	-.0002	.0000	.00000	-.0020	.0001

#1	.0007	.0011	.0019	-.0008	.0001	-.00001	-.0010	.0002
#2	.0005	.0016	-.0009	.0004	-.0001	.00002	-.0030	.0000

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024	.0023	.0002	-.0003	-.0002	.0027	.0010	.0000

#1	.0039	.0023	.0001	.0000	.0004	.0041	.0015	.0001
#2	.0009	.0023	.0004	-.0005	-.0008	.0014	.0006	.0000

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0011	.0001	-.0005	.0004	.0189	-.0010	-.0005	.0432

#1	-.0019	.0000	-.0006	.0007	.0447	-.0006	-.0004	.0410
#2	-.0003	.0001	-.0005	.0002	-.0070	-.0014	-.0005	.0455

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	.0001	-.0003	F .1862	-.0055	.0000	.0003	-.0014

#1	.0008	.0005	-.0002	.1827	-.0164	.0000	.0002	-.0014
#2	.0012	-.0003	-.0003	.1898	.0053	-.0001	.0004	-.0015

Elem	Sr4077
Units	ppm
Avg	-.00004

#1	-.00015
#2	.00007

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2096.9	65791.	3681.7	650.43

#1	2101.1	65758.	3678.4	653.88
#2	2092.7	65825.	3685.0	646.98

Sample Name: LCSW Acquired: 1/6/2010 15:06:26 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.881	2.544	2.430	5.218	.12269	.9850	1.235	12.21

#1	4.861	2.535	2.429	5.202	.12252	.9840	1.232	12.20
#2	4.902	2.553	2.431	5.234	.12287	.9859	1.238	12.22

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.20	.5117	1.264	.6219	2.410	2.532	11.85	1.266

#1	12.27	.5147	1.256	.6184	2.409	2.521	11.80	1.274
#2	12.13	.5088	1.271	.6254	2.411	2.543	11.90	1.259

Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.046	1.247	12.48	2.366	.6200	12.25	F -.0007	1.295

#1	1.036	1.243	12.35	2.373	.6197	12.24	-.0005	1.302
#2	1.055	1.251	12.61	2.359	.6203	12.27	-.0008	1.288

Elem	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.277	.1928	-.0114	.0000	2.578	-.0004	.00074

#1	1.263	.1908	-.0270	.0002	2.555	-.0003	.00092
#2	1.290	.1948	.0042	-.0001	2.602	-.0005	.00055

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2066.3	64992.	3656.0	622.18

#1	2073.0	64758.	3652.6	625.44
#2	2059.6	65227.	3659.3	618.93

Sample Name: R0907049-006 Acquired: 1/6/2010 15:09:26 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0093	F .0108	.0026	.0060	.0146	-.00004	.0527	.0001

#1	.0090	.0123	.0045	.0038	.0149	-.00004	.0523	.0000
#2	.0095	.0092	.0007	.0082	.0144	-.00004	.0532	.0001

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3082	.3385	F .0009	-.0003	.0023	.0219	.0009	.0346

#1	.3070	.3400	.0011	-.0007	.0020	.0220	.0007	.0348
#2	.3094	.3370	.0007	.0001	.0026	.0217	.0011	.0343

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0301	.0006	-.0001	.0024	.6040	.0146	-.0013	>900.0

#1	.0318	.0006	-.0003	.0024	.6470	.0122	-.0013	1924.
#2	.0285	.0006	.0001	.0025	.5610	.0170	-.0013	1918.

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0093	.0000	.0131	.1973	.4510	-.0016	-.0193	.0027

#1	.0102	.0001	.0133	.1997	.4542	-.0015	-.0187	.0037
#2	.0083	-.0002	.0129	.1949	.4478	-.0017	-.0199	.0017

Elem	Sr4077
Units	ppm
Avg	.01260

#1	.01301
#2	.01219

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1801.4	54967.	3525.1	487.21

#1	1805.8	55065.	3552.4	486.98
#2	1796.9	54870.	3497.8	487.44

Sample Name: R0907049-006D Acquired: 1/6/2010 15:12:45 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0086	F .0100	.0027	.0078	.0142	-.00002	.0533	.0000

#1	.0082	.0086	.0053	.0086	.0142	-.00002	.0535	.0000
#2	.0090	.0115	.0002	.0071	.0142	-.00001	.0530	.0001

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3203	.3356	F .0019	-.0003	.0025	F .0170	.0009	.0344

#1	.3192	.3354	.0020	-.0004	.0027	.0143	.0004	.0343
#2	.3213	.3357	.0018	-.0002	.0022	.0196	.0014	.0345

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0295	.0006	-.0002	.0024	.5921	.0170	.0002	>900.0

#1	.0292	.0006	-.0007	.0023	.5792	.0147	.0005	1936.
#2	.0298	.0006	.0003	.0025	.6051	.0193	-.0002	1902.

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0085	.0001	.0115	.2214	.4498	-.0017	-.0193	.0020

#1	.0080	-.0002	.0112	.2208	.4666	-.0016	-.0190	.0024
#2	.0089	.0004	.0117	.2220	.4329	-.0017	-.0196	.0016

Elem	Sr4077
Units	ppm
Avg	.01209

#1	.01200
#2	.01218

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1801.4	55062.	3506.7	488.63

#1	1806.8	55108.	3523.2	490.78
#2	1795.9	55017.	3490.2	486.48

Sample Name: CCVA9 Acquired: 1/6/2010 15:16:03 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2583	.2408	.2514	.2481	.2658	.24621	.2437	.2545	.2558
Stddev	.0009	.0025	.0039	.0038	.0000	.00101	.0007	.0002	.0016
%RSD	.3361	1.041	1.539	1.541	.0182	.40822	.2788	.0723	.6238
#1	.2576	.2426	.2486	.2454	.2658	.24550	.2442	.2544	.2547
#2	.2589	.2391	.2541	.2508	.2659	.24692	.2432	.2547	.2570
Check ?	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass	None
Value Range									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2712	.2542	.2570	.2473	.2407	.2510	.2520	.2473	.2367
Stddev	.0017	.0008	.0006	.0017	.0048	.0004	.0047	.0004	.0003
%RSD	.6252	.3136	.2326	.6739	1.986	.1792	1.880	.1535	.1089
#1	.2700	.2548	.2566	.2485	.2373	.2513	.2553	.2475	.2365
#2	.2724	.2537	.2574	.2462	.2441	.2507	.2486	.2470	.2369
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	None	Chk Pass	None
Value Range									

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2586	.2350	.2621	.2548	2.530	.2520	.2545	.8985	.2551
Stddev	.0017	.0005	.0003	.0003	.037	.0052	.0005	.0354	.0015
%RSD	.6766	.2274	.1027	.1189	1.447	2.046	.1802	3.935	.6064
#1	.2574	.2353	.2623	.2546	2.556	.2484	.2548	.9235	.2540
#2	.2598	.2346	.2619	.2550	2.504	.2557	.2542	.8735	.2562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass
Value Range									

Sample Name: CCVA9 Acquired: 1/6/2010 15:16:03 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2564	.2541	-.0019	.1131	.2560	.2546	-.0017	.00006
Stddev	.0006	.0004	.0016	.0173	.0008	.0027	.0021	.00006
%RSD	.2348	.1766	86.24	15.33	.3264	1.042	126.5	110.61
#1	.2560	.2544	-.0030	.1009	.2554	.2527	-.0032	.00010
#2	.2569	.2538	-.0007	.1254	.2566	.2564	-.0002	.00001

Check ? Value Range	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass	None	None
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Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2095.3	65861.	3613.8	651.66
Stddev	4.2	10.	7.1	.51
%RSD	.20114	.01456	.19539	.07813
#1	2092.3	65854.	3608.8	651.30
#2	2098.2	65868.	3618.8	652.02

Sample Name: CCVB9 Acquired: 1/6/2010 15:19:02 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.639	9.823	.0026	.9985	10.55	.00006	-.0005	.0002	9.990
Stddev	.018	.060	.0015	.0010	.07	.00005	.0000	.0000	.007
%RSD	.2391	.6102	59.00	.0954	.6262	75.547	2.102	18.41	.0720

#1	7.626	9.781	.0037	.9991	10.60	.00009	-.0005	.0002	9.995
#2	7.652	9.866	.0015	.9978	10.51	.00003	-.0005	.0003	9.985

Check ?	None	Chk Pass	None	Chk Pass	Chk Pass	None	None	None	Chk Pass
Value									
Range									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.36	-.0003	.0001	.0004	9.741	.0001	9.403	9.672	9.494
Stddev	.17	.0001	.0001	.0004	.042	.0012	.182	.006	.060
%RSD	1.664	52.77	56.25	98.58	.4316	1775.	1.933	.0651	.6345

#1	10.48	-.0002	.0002	.0001	9.771	.0009	9.275	9.668	9.452
#2	10.24	-.0004	.0001	.0007	9.712	-.0008	9.532	9.677	9.537

Check ?	None	None	None	None	Chk Pass	None	Chk Pass	None	Chk Pass
Value									
Range									

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0003	-.0001	.0010	10.01	-.0054	-.0008	10.08	.0015
Stddev	.0000	.0004	.0003	.0003	.07	.0017	.0004	.16	.0007
%RSD	5.439	141.1	233.6	34.25	.7365	32.34	47.03	1.590	47.83

#1	.0003	.0006	-.0004	.0012	10.06	-.0041	-.0005	9.971	.0010
#2	.0003	.0000	.0001	.0007	9.957	-.0066	-.0011	10.20	.0021

Check ?	None	None	None	None	Chk Pass	None	None	Chk Pass	None
Value									
Range									

Sample Name: CCVB9 Acquired: 1/6/2010 15:19:02 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0010	9.910	9.121	.0003	.0022	.9796	1.0362
Stddev	.000	.0002	.037	.089	.0000	.0017	.0078	.0020
%RSD	2532.	17.43	.3703	.9732	1.321	77.15	.7987	.19115
#1	.0001	.0011	9.884	9.184	.0003	.0010	.9741	1.0376
#2	-.0001	.0009	9.935	9.058	.0003	.0034	.9851	1.0348
Check ? Value Range	None	None	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2064.0	64733.	3605.3	627.44
Stddev	2.5	63.	21.2	2.23
%RSD	.11935	.09792	.58669	.35465
#1	2065.7	64778.	3590.3	625.87
#2	2062.2	64689.	3620.2	629.02

Sample Name: CCB9 Acquired: 1/6/2010 15:22:07 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0015	.0009	-.0016	.0008	.00002	.0000	.0001
Stddev	.0004	.0011	.0042	.0015	.0000	.00004	.000	.0001
%RSD	316.8	73.38	485.6	97.41	2.849	204.82	955.9	66.63

#1	.0004	.0022	.0039	-.0005	.0008	.00005	.0001	.0001
#2	-.0002	.0007	-.0021	-.0027	.0008	-.00001	-.0001	.0002

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	.0007	-.0002	-.0002	-.0008	.0039	.0008	-.0313
Stddev	.0050	.0002	.0002	.0006	.0004	.0039	.0010	.0049
%RSD	414.8	24.38	86.07	259.1	46.32	100.9	126.7	15.81

#1	.0048	.0008	-.0001	.0002	-.0005	.0066	.0015	-.0348
#2	-.0024	.0005	-.0004	-.0006	-.0010	.0011	.0001	-.0278

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
High Limit								
Low Limit								

Elem	Mg2795	Mg2852	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	-.0025	.0000	-.0019	-.0006	.0001	.0361	-.0011
Stddev	.0001	.0007	.0000	.0007	.0002	.0001	.0259	.0038
%RSD	23.31	27.00	260.4	34.89	43.14	40.66	71.77	349.1

#1	.0005	-.0020	.0000	-.0023	-.0007	.0001	.0544	-.0038
#2	.0004	-.0030	.0000	-.0014	-.0004	.0002	.0178	.0016

Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB9 Acquired: 1/6/2010 15:22:07 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Ag3280	Na5895	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	F .2532	.0003	.0002	-.0002	-.0002	-.0022	-.0001
Stddev	.0024	.0216	.0006	.0004	.0002	.0034	.0051	.0000
%RSD	235.9	8.515	208.3	188.8	90.05	2116.	236.3	1.112
#1	.0027	.2684	-.0001	-.0001	-.0001	.0022	.0015	-.0001
#2	-.0007	.2379	.0007	.0005	-.0003	-.0026	-.0058	-.0001

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.2000						
Low Limit		-.2000						

Elem	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.0013	-.0015	-.00006
Stddev	.0009	.0009	.00002
%RSD	68.45	63.83	28.071
#1	-.0020	-.0021	-.00005
#2	-.0007	-.0008	-.00008

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2079.0	65426.	3622.0	652.26
Stddev	3.4	331.	14.3	.52
%RSD	.16250	.50554	.39430	.07950
#1	2076.6	65660.	3611.9	652.62
#2	2081.4	65192.	3632.1	651.89

Sample Name: R0907049-006L Acquired: 1/6/2010 15:24:56 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment: 1/5

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0026	F .0044	.0003	-.0001	.0026	.00006	F .0104	.0000
#1	.0029	.0047	-.0015	-.0014	.0023	.00007	.0104	.0001
#2	.0024	.0041	.0020	.0011	.0030	.00005	.0104	.0000

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0613	.0716	F .0001	-.0001	.0011	F .0055	-.0015	.0071
#1	.0608	.0713	.0000	-.0002	.0012	.0041	-.0020	.0071
#2	.0618	.0718	.0002	.0000	.0009	.0069	-.0009	.0072

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0053	.0002	-.0004	.0009	.1524	.0021	.0000	428.3
#1	.0048	.0002	-.0003	.0008	.1409	.0001	.0009	436.2
#2	.0057	.0001	-.0006	.0010	.1639	.0042	-.0009	420.4

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	.0001	F .0028	.0384	.0818	-.0007	-.0025	-.0006
#1	.0002	.0006	.0028	.0430	.0845	-.0009	-.0036	.0001
#2	.0021	-.0004	.0028	.0339	.0792	-.0006	-.0015	-.0013

Elem	Sr4077
Units	ppm
Avg	.00248
#1	.00261
#2	.00235

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1964.9	60211.	3588.9	558.76
#1	1959.6	60340.	3586.8	556.36
#2	1970.3	60081.	3590.9	561.16

Sample Name: R0907049-006S Acquired: 1/6/2010 15:28:15 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158	Ca3933
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.878	.4411	.9812	2.087	.04414	.9315	.0472	.3068	.3401
#1	1.867	.4407	.9791	2.103	.04391	.9290	.0471	.3013	.3414
#2	1.889	.4415	.9834	2.071	.04437	.9341	.0473	.3123	.3388

Elem	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795	Mg2852	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2032	.4712	.2203	.9568	.5035	.0344	.0277	.4981	1.036
#1	.2032	.4699	.2190	.9571	.4990	.0344	.0274	.4994	1.033
#2	.2032	.4725	.2215	.9565	.5079	.0344	.0279	.4968	1.039

Elem	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062	P_2149
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4644	.5550	1.014	.0443	>900.0	.0074	.5269	.5752	.2201
#1	.4620	.5225	1.011	.0435	1878.	.0069	.5295	.5736	.2206
#2	.4669	.5875	1.018	.0451	1897.	.0079	.5243	.5768	.2197

Elem	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm
Avg	.4445	-.0017	.9230	.0027	.01258
#1	.4607	-.0017	.9212	.0021	.01281
#2	.4284	-.0016	.9248	.0033	.01234

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1801.1	55101.	3494.7	482.93
#1	1807.6	54913.	3498.6	484.04
#2	1794.6	55290.	3490.8	481.82

Sample Name: R0907049-007 Acquired: 1/6/2010 15:31:27 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0100	F .0087	.0058	.0011	.0217	-.00005	.0579	.0000

#1	.0099	.0092	.0055	.0011	.0215	-.00002	.0574	.0000
#2	.0100	.0082	.0060	.0011	.0219	-.00009	.0585	.0001

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5920	.6324	F .0004	-.0002	.0025	F .0113	.0012	.0812

#1	.5900	.6319	.0009	-.0002	.0026	.0121	.0014	.0814
#2	.5939	.6329	-.0001	-.0001	.0025	.0105	.0010	.0809

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0815	.0005	-.0001	.0062	.1764	.0111	.0012	2.237

#1	.0806	.0005	.0003	.0061	.2089	.0114	.0016	2.248
#2	.0825	.0005	-.0005	.0063	.1440	.0108	.0008	2.226

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0038	.0002	.0388	.2032	.0580	.0000	-.0096	-.0007

#1	.0043	.0000	.0385	.2074	.0611	.0001	-.0081	-.0004
#2	.0032	.0003	.0392	.1990	.0548	-.0001	-.0111	-.0010

Elem	Sr4077
Units	ppm
Avg	.00102

#1	.00102
#2	.00103

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2064.4	66116.	3770.1	664.10

#1	2064.5	65803.	3755.1	665.72
#2	2064.4	66429.	3785.1	662.48

Sample Name: R0907046-006 Acquired: 1/6/2010 15:34:34 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	F .0008	.0036	-.0015	F .0003	-.00003	F -.0009	-.0001

#1	.0011	.0021	.0041	-.0006	.0002	-.00006	-.0008	-.0001
#2	.0008	-.0006	.0031	-.0023	.0004	.00001	-.0009	-.0001

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0061	.0091	F -.0001	-.0001	-.0005	F .0030	.0002	.0007

#1	.0042	.0091	.0000	-.0003	-.0002	.0013	.0003	.0006
#2	.0080	.0091	-.0002	.0002	-.0008	.0047	.0002	.0008

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0010	.0001	-.0004	.0003	.0460	-.0012	.0004	.4191

#1	-.0004	.0002	-.0004	.0005	.1092	-.0025	.0000	.4297
#2	-.0017	.0001	-.0004	.0002	-.0172	.0001	.0008	.4085

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.0005	F .0005	.2365	-.0063	-.0001	-.0012	-.0008

#1	.0004	.0007	.0004	.2407	-.0019	.0000	-.0002	-.0011
#2	.0014	.0003	.0006	.2322	-.0106	-.0002	-.0022	-.0005

Elem	Sr4077
Units	ppm
Avg	.00002

#1	.00010
#2	-.00006

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2084.3	65166.	3599.3	648.08

#1	2083.8	65078.	3608.1	650.45
#2	2084.8	65254.	3590.4	645.72

Sample Name: RB Acquired: 1/6/2010 15:37:22 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	F .0016	-.0018	-.0017	F .0003	-.00004	F -.0018	.0001

#1	-.0002	.0023	-.0017	.0002	.0000	-.00009	-.0015	.0001
#2	.0006	.0009	-.0019	-.0035	.0005	.00001	-.0021	.0000

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0091	.0023	F -.0005	-.0005	-.0003	F .0057	-.0004	.0001

#1	.0077	.0022	-.0004	-.0009	.0001	.0077	-.0005	.0002
#2	.0105	.0024	-.0005	-.0002	-.0006	.0038	-.0003	.0001

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0004	.0000	-.0004	.0001	.0390	-.0039	-.0004	.3197

#1	-.0003	.0001	-.0007	.0005	.0247	-.0019	-.0008	.3162
#2	-.0004	.0000	-.0001	-.0003	.0533	-.0060	-.0001	.3233

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.0005	F .0004	-.0003	-.0084	.0001	-.0004	-.0009

#1	.0008	.0004	.0003	-.0035	-.0092	.0001	.0003	-.0003
#2	.0011	.0006	.0004	.0029	-.0077	.0001	-.0012	-.0014

Elem	Sr4077
Units	ppm
Avg	.00009

#1	.00019
#2	-.00002

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2104.6	66542.	3650.8	657.34

#1	2110.8	66451.	3670.2	659.13
#2	2098.5	66633.	3631.5	655.56

Sample Name: K091281-MB Acquired: 1/6/2010 15:40:11 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0031	F .0036	.0010	-.0025	F -.0001	-.00012	F -.0001	-.0003

#1	.0033	.0042	.0020	-.0010	.0002	-.00015	-.0006	-.0002
#2	.0030	.0030	.0001	-.0039	-.0004	-.00009	.0004	-.0003

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0067	.0072	F .0010	-.0004	.0000	F -.0009	.0010	.0009

#1	.0168	.0071	.0014	-.0006	.0004	.0014	.0003	.0008
#2	-.0033	.0073	.0006	-.0002	-.0003	-.0031	.0017	.0009

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0007	.0001	-.0007	.0006	.0100	.0015	.0004	.3239

#1	-.0004	.0001	-.0008	.0008	-.0022	-.0012	.0008	.3206
#2	.0018	.0001	-.0005	.0005	.0221	.0043	.0000	.3273

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0002	F -.0005	-.0019	-.0159	-.0003	-.0032	-.0009

#1	-.0002	.0002	-.0004	-.0010	-.0145	-.0004	-.0019	-.0005
#2	.0009	.0001	-.0006	-.0028	-.0174	-.0002	-.0045	-.0012

Elem	Sr4077
Units	ppm
Avg	-.00013

#1	-.00013
#2	-.00012

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2074.6	65895.	3643.4	648.24

#1	2077.4	65621.	3632.2	649.80
#2	2071.7	66169.	3654.7	646.68

Sample Name: LCSW Acquired: 1/6/2010 15:43:00 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.495	.9051	-.0022	4.118	.08579	F -.0006	.0927	.0261

#1	3.501	.8997	-.0016	4.133	.08616	.0000	.0925	.0324
#2	3.489	.9105	-.0028	4.102	.08542	-.0011	.0929	.0199

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0183	.3934	.9944	.4812	1.842	.9321	.0028	F .0000

#1	.0184	.3922	.9898	.4829	1.851	.9318	.0028	-.0011
#2	.0182	.3945	.9991	.4796	1.833	.9324	.0028	.0011

Elem	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9819	-.0010	.9686	.0109	.0040	.0932	.2479	.0011

#1	.9775	-.0005	.9663	.0223	.0052	.0931	.2623	.0007
#2	.9863	-.0015	.9708	-.0006	.0029	.0932	.2334	.0015

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.002	.9112	-.0092	.0053	-.0003	.0033	-.0018	.00011

#1	.9970	.9084	-.0059	.0010	-.0003	.0032	-.0012	-.00003
#2	1.008	.9141	-.0124	.0097	-.0002	.0034	-.0023	.00025

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2069.3	65861.	3635.7	644.50

#1	2066.2	66209.	3648.7	642.49
#2	2072.3	65513.	3622.7	646.52

Sample Name: K0912481-001 Acquired: 1/6/2010 15:45:59 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1067	.1007	.0052	-.0045	.2337	-.00016	F .0016	-.0001

#1	.1060	.1002	.0052	-.0028	.2313	-.00015	.0019	-.0002
#2	.1074	.1012	.0052	-.0063	.2361	-.00016	.0013	.0000

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.381	3.576	.1482	.0014	.6256	.2096	.8008	.0510

#1	3.357	3.501	.1475	.0015	.6281	.2060	.7972	.0509
#2	3.406	3.652	.1488	.0013	.6231	.2131	.8043	.0511

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0516	.0020	.0008	.0279	.1922	.0035	.0001	.4543

#1	.0504	.0021	.0009	.0280	.1742	.0026	.0005	.4572
#2	.0528	.0020	.0008	.0278	.2103	.0043	-.0003	.4514

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0096	.0010	.1136	.0227	.2276	.0054	-.0022	-.0002

#1	.0097	.0009	.1133	.0188	.2225	.0053	-.0026	.0000
#2	.0096	.0010	.1140	.0265	.2326	.0056	-.0018	-.0003

Elem	Sr4077
Units	ppm
Avg	.00466

#1	.00464
#2	.00468

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2093.0	67456.	3743.4	659.05

#1	2098.9	67488.	3771.3	660.12
#2	2087.2	67423.	3715.4	657.99

Sample Name: K0912481-002 Acquired: 1/6/2010 15:49:09 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0346	.0316	.0062	-.0037	F .0006	-.00019	F .0011	-.0004
#1	.0346	.0325	.0070	-.0036	.0011	-.00016	.0015	-.0004
#2	.0347	.0306	.0055	-.0038	.0002	-.00022	.0007	-.0004

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1525	.1644	F .0010	-.0009	.0012	.0361	.0000	.0227
#1	.1550	.1646	.0011	-.0009	.0010	.0360	.0008	.0228
#2	.1499	.1642	.0009	-.0010	.0013	.0362	-.0009	.0226

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0201	.0007	-.0006	.0007	.0217	.0041	.0001	.2942
#1	.0194	.0006	-.0003	.0002	-.0338	.0035	.0008	.2934
#2	.0207	.0008	-.0010	.0011	.0772	.0047	-.0007	.2950

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.692	.0004	.0113	.0005	.0372	.0041	-.0059	-.0012
#1	2.688	.0002	.0112	-.0009	.0447	.0040	-.0071	-.0014
#2	2.695	.0005	.0114	.0019	.0298	.0042	-.0046	-.0011

Elem	Sr4077
Units	ppm
Avg	.00080
#1	.00085
#2	.00076

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2066.2	66117.	3657.9	648.01
#1	2071.1	66190.	3612.2	647.75
#2	2061.2	66044.	3703.5	648.27

Sample Name: K0912481-002D Acquired: 1/6/2010 15:52:16 Type: Unk
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0366	.0347	.0059	-.0045	.0007	-.00016	.0009	-.0001

#1	.0366	.0372	.0056	-.0049	.0008	-.00014	.0011	-.0002
#2	.0366	.0323	.0061	-.0041	.0005	-.00017	.0006	.0000

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0846	.0897	.0046	-.0009	.0003	.0803	.0046	.0108

#1	.0791	.0898	.0045	-.0008	.0005	.0785	.0057	.0108
#2	.0901	.0895	.0047	-.0010	.0000	.0821	.0035	.0108

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0098	.0008	-.0005	.0007	.0500	.0028	-.0006	.2746

#1	.0100	.0008	-.0002	.0008	.0569	.0030	-.0007	.2833
#2	.0096	.0008	-.0008	.0006	.0431	.0027	-.0005	.2658

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.676	.0005	.0361	.0062	.2756	.0023	-.0060	-.0009

#1	1.669	.0009	.0356	.0072	.2698	.0022	-.0052	-.0007
#2	1.682	.0000	.0366	.0053	.2814	.0024	-.0068	-.0011

Elem	Sr4077
Units	ppm
Avg	.00266

#1	.00268
#2	.00264

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2063.5	66198.	3691.1	646.38

#1	2065.4	66293.	3698.6	648.37
#2	2061.5	66103.	3683.6	644.39

Sample Name: CCVA10 Acquired: 1/6/2010 15:55:22 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2550	.2369	.2570	.2486	.2618	.24875	.2475	.2537	.2722
Stddev	.0001	.0014	.0020	.0072	.0003	.00250	.0016	.0009	.0048
%RSD	.0537	.6055	.7887	2.881	.1001	1.0060	.6610	.3523	1.772

#1	.2549	.2359	.2584	.2536	.2620	.24698	.2486	.2530	.2688
#2	.2551	.2380	.2555	.2435	.2616	.25052	.2463	.2543	.2756

Check ?	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2701	.2543	.2564	.2501	.2465	.2518	.1588	.2437	.2390
Stddev	.0009	.0020	.0008	.0011	.0013	.0015	.0148	.0004	.0053
%RSD	.3335	.7902	.3125	.4590	.5335	.5927	9.342	.1762	2.208

#1	.2695	.2557	.2569	.2493	.2455	.2507	.1693	.2440	.2428
#2	.2707	.2528	.2558	.2509	.2474	.2528	.1483	.2434	.2353

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	None	Chk Pass	None
Value									
Range									

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2566	.2279	.2600	.2533	2.563	.2483	.2560	.4867	.2573
Stddev	.0009	.0032	.0003	.0005	.105	.0047	.0005	.0114	.0028
%RSD	.3607	1.393	.1274	.1880	4.098	1.880	.1799	2.350	1.099

#1	.2560	.2302	.2598	.2529	2.637	.2516	.2556	.4948	.2593
#2	.2573	.2257	.2602	.2536	2.488	.2450	.2563	.4786	.2553

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass
Value									
Range									

Sample Name: CCVA10 Acquired: 1/6/2010 15:55:22 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2544	.2548	-.0021	.1182	.2547	.2555	-.0011	.00021
Stddev	.0006	.0024	.0031	.0027	.0002	.0002	.0010	.00027
%RSD	.2495	.9560	150.4	2.284	.0665	.0633	97.95	131.77
#1	.2548	.2565	.0001	.1163	.2546	.2553	-.0018	.00040
#2	.2539	.2531	-.0043	.1201	.2549	.2556	-.0003	.00001

Check ?	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass	None	None
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2121.3	66875.	3666.0	656.07
Stddev	2.1	31.	53.6	4.42
%RSD	.09674	.04662	1.4626	.67350
#1	2122.8	66853.	3704.0	652.94
#2	2119.9	66897.	3628.1	659.19

Sample Name: CCVB10 Acquired: 1/6/2010 15:58:21 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.538	9.662	.0004	1.000	10.61	.00009	-.0006	.0002	9.836
Stddev	.009	.013	.0043	.002	.07	.00004	.0003	.0000	.003
%RSD	.1168	.1313	1099.	.2440	.6449	42.127	41.18	.6094	.0277

#1	7.532	9.671	.0034	.9983	10.66	.00007	-.0008	.0002	9.838
#2	7.544	9.653	-.0026	1.002	10.56	.00012	-.0004	.0002	9.834

Check ?	None	Chk Pass	None	Chk Pass	Chk Pass	None	None	None	Chk Pass
Value									
Range									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.22	.0001	.0005	-.0001	9.622	.0027	9.122	9.517	9.564
Stddev	.13	.0003	.0001	.0007	.024	.0006	.082	.020	.025
%RSD	1.298	327.5	21.56	966.7	.2469	21.47	.9001	.2111	.2669

#1	10.13	.0003	.0004	-.0006	9.639	.0032	9.064	9.503	9.582
#2	10.32	-.0001	.0005	.0004	9.605	.0023	9.180	9.531	9.546

Check ?	None	None	None	None	Chk Pass	None	Chk Pass	None	Chk Pass
Value									
Range									

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0002	-.0005	.0011	10.29	-.0002	-.0006	10.02	-.0003
Stddev	.0001	.0005	.0005	.0004	.14	.0016	.0016	.01	.0002
%RSD	32.81	221.6	107.5	32.79	1.401	671.3	276.3	.0695	58.01

#1	.0002	.0006	-.0009	.0013	10.39	-.0013	-.0017	10.03	-.0004
#2	.0003	-.0001	-.0001	.0008	10.19	.0009	.0006	10.02	-.0002

Check ?	None	None	None	None	Chk Pass	None	None	Chk Pass	None
Value									
Range									

Sample Name: CCVB10 Acquired: 1/6/2010 15:58:21 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0007	9.948	9.211	.0006	.0004	.9937	1.0436
Stddev	.0001	.0003	.032	.116	.0001	.0001	.0009	.0082
%RSD	28.86	44.16	.3163	1.263	25.00	23.18	.0892	.78713

#1	.0003	.0009	9.926	9.293	.0005	.0005	.9943	1.0494
#2	.0005	.0005	9.970	9.129	.0007	.0004	.9931	1.0378

Check ?	None	None	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2079.7	65042.	3671.2	630.81
Stddev	3.6	32.	11.3	2.09
%RSD	.17212	.04961	.30711	.33183

#1	2082.3	65019.	3679.2	632.29
#2	2077.2	65065.	3663.2	629.33

Sample Name: CCB10 Acquired: 1/6/2010 16:01:27 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0006	.0027	-.0008	.0007	.00001	-.0017	.0000	-.0078
Stddev	.0001	.0006	.0008	.0013	.0004	.00000	.0000	.000	.0026
%RSD	17.66	103.5	31.72	159.4	52.04	53.141	1.427	58.94	33.57

#1	.0007	.0002	.0033	.0001	.0010	.00000	-.0017	.0000	-.0060
#2	.0006	.0010	.0021	-.0017	.0005	.00001	-.0017	.0000	-.0097

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	.0003	-.0001	-.0005	.0033	.0000	-.0303	.0007	-.0007
Stddev	.0000	.0001	.0007	.0001	.0027	.000	.0558	.0000	.0026
%RSD	2.512	20.55	496.3	14.73	82.81	33050.	184.4	4.193	365.0

#1	.0010	.0003	-.0006	-.0005	.0014	.0002	.0092	.0007	.0011
#2	.0010	.0002	.0004	-.0006	.0052	-.0002	-.0697	.0007	-.0025

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0014	-.0003	.0008	.0335	-.0012	-.0002	.1378	.0002
Stddev	.0000	.0019	.0001	.0002	.0522	.0019	.0023	.0024	.0001
%RSD	184.6	134.8	26.02	29.05	155.9	158.2	1233.	1.721	47.98

#1	.0000	.0001	-.0004	.0006	-.0034	.0001	.0014	.1361	.0001
#2	.0000	.0028	-.0003	.0009	.0704	-.0026	-.0018	.1394	.0002

Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Sample Name: CCB10 Acquired: 1/6/2010 16:01:27 Type: QC
 Method: 2009D(v18) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 185388 File Name: 010610A Database: 1209

Comment:

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	-.0002	.0045	-.0113	-.0001	.0000	-.0004	.00005
Stddev	.0001	.0002	.0017	.0051	.0001	.000	.0007	.00003
%RSD	158.6	119.8	38.85	45.14	98.64	589.3	176.2	58.333
#1	-.0001	-.0003	.0057	-.0150	.0000	.0002	.0001	.00003
#2	.0000	.0000	.0032	-.0077	-.0001	-.0003	-.0009	.00007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2094.4	66069.	3665.9	650.53
Stddev	.4	56.	59.7	.35
%RSD	.02101	.08491	1.6294	.05314
#1	2094.8	66029.	3623.6	650.77
#2	2094.1	66108.	3708.1	650.28

Sample List

Num	Label	Type	Weight	Volume	Dilution	Rack	Row	Column	Height
1	Cal. Blk	Blank	0 kg	0 ml	1.00	0	1	1	145
2	Cal. Stn	Fully Quant Standard	0 kg	0 ml	1.00	0	1	2	145
3	ICV1	Unknown	0 kg	0 ml	1.00	0	1	3	145
4	CCV1	Unknown	0 kg	0 ml	1.00	0	1	2	145
5	ICB1	Unknown	0 kg	0 ml	1.00	0	1	1	145
6	CCB1	Unknown	0 kg	0 ml	1.00	0	1	1	145
7	WATER CRA	Unknown	0 kg	0 ml	1.00	0	1	8	145
8	ICSA	Unknown	0 kg	0 ml	1.00	0	1	5	145
9	ICSAB	Unknown	0 kg	0 ml	1.00	0	1	6	145
10	R0907046-MB	Unknown	0 kg	0 ml	1.00	1	1	1	145
11	LCSW R0907046	Unknown	0 kg	0 ml	1.00	1	1	2	145
12	LCSW R0907046D	Unknown	0 kg	0 ml	1.00	1	1	3	145
13	R0907046-006	Unknown	0 kg	0 ml	1.00	1	1	4	145
14	R0907046-006 1/5L	Unknown	0 kg	0 ml	1.00	1	1	5	145
15	R0907046-006 +20A	Unknown	0 kg	0 ml	1.00	1	1	6	145
16	CCV2	Unknown	0 kg	0 ml	1.00	0	1	2	145
17	CCB2	Unknown	0 kg	0 ml	1.00	0	1	1	145

Instrument Setup - Configurations

Configuration Name - acqmet11
 Description - PQExcell CCT Sim Default
 Date - 7:58:33 1/14/10
 Maximum Uptake Time - 0
 Maximum Washout Time - 0
 S-Option Pump Running - No
 Plasma Screen Forward - No
 Makeup Gas On - No
 Use CCT - No
 Use Accessory Gas - No

Setting	Value
Extraction	-470.00
Lens1	5.00
Lens2	-75.00
Lens3	-5.00
Pole Bias	3.50
Sampling Depth	370.00
Horizontal	-35.00
Vertical	55.00
Cool	13.00
Auxiliary	0.60
Nebuliser	0.78
Forward power	1,365.00
HT1 Voltage	1,900.00
HT2 Voltage	2,600.00
D1	-32.00
Focus	14.00
	0.00
	0.00

Configuration Name - acqmet11
 Description - PQExcell CCT Sim Default
 Date - 7:58:33 1/14/10
 Maximum Uptake Time - 0
 Maximum Washout Time - 0
 S-Option Pump Running - No
 Plasma Screen Forward - No
 Makeup Gas On - No
 Use CCT - No
 Use Accessory Gas - No

Setting	Value
Extraction	-470.00
Lens1	5.00
Lens2	-75.00
Lens3	-5.00
Pole Bias	3.50
Sampling Depth	370.00
Horizontal	-35.00
Vertical	55.00

Mass	Mass DAC	Peak Width (AMU)	Error (AMU)	Include
6.015	1290	0.715	-0.021	TRUE
7.016	1543	0.767	-0.028	TRUE
9.012	2050	0.766	-0.031	TRUE
23.985	5875	0.715	0.03	TRUE
24.986	6122	0.715	0	TRUE
25.983	6382	0.715	0.025	TRUE
26.982	6635	0.766	0.02	TRUE
44.956	11216	0.766	0.047	TRUE
45.953	11463	0.766	0.02	TRUE
50.944	12724	0.766	-0.017	TRUE
51.94	12984	0.766	0.008	TRUE
52.941	13244	0.766	0.03	TRUE
53.949	13491	0.766	-0.009	TRUE
55.935	13998	0.766	-0.002	TRUE
56.935	14258	0.766	0.019	TRUE
57.934	14505	0.766	-0.01	TRUE
58.933	14759	0.817	-0.011	TRUE
63.929	16033	0.817	-0.002	TRUE
75.92	19075	0.817	-0.045	TRUE
112.904	28499	0.817	-0.022	TRUE
114.904	29006	0.817	-0.031	TRUE
128.905	32581	0.816	0.001	TRUE
131.905	33348	0.816	0.012	TRUE
139.905	35382	0.765	-0.005	TRUE
141.908	35896	0.816	0.009	TRUE
205.974	52224	0.714	0.001	TRUE
206.976	52477	0.765	-0.009	TRUE
207.977	52737	0.765	0.01	TRUE
208.98	52997	0.765	0.026	TRUE
238.051	60401	0.713	-0.014	TRUE

Run	Label	TimeStamp	209Bi	7Li	9Be	59Co	115In	208Pb
1	Stability 01-14-10	1/14/2010 8:03:33 A	(P)0.167	(P)25815.475	(P)8155.661	(P)39630.928	(P)46719.776	(P)14011.037
2	Stability 01-14-10	1/14/2010 8:04:35 A	(P)0.333	(P)26805.961	(P)8587.581	(P)42047.834	(P)48500.365	(P)14803.001
3	Stability 01-14-10	1/14/2010 8:05:37 A	(P)0.333	(P)26936.038	(P)8785.201	(P)42942.155	(P)48658.738	(P)15251.471
4	Stability 01-14-10	1/14/2010 8:06:39 A	(P)0.333	(P)27045.412	(P)8694.645	(P)43245.417	(P)48666.426	(P)15347.241
5	Stability 01-14-10	1/14/2010 8:07:41 A	(P)0.500	(P)26924.182	(P)8726.331	(P)43678.393	(P)49004.585	(P)15635.722
	Mean of Stability 01-14	1/14/2010 8:03:33 A	(P)0.333	(P)26705.414	(P)8589.884	(P)42308.945	(P)48309.978	(P)15009.694
	SD of Stability 01-14-1		(P)0.118	(P)504.665	(P)253.129	(P)1611.930	(P)907.766	(P)633.313
	%RSD of Stability 01		(P)35.355	(P)1.890	(P)2.947	(P)3.810	(P)1.879	(P)4.219

Run	Label	TimeStamp	209Bi	230Th	238U
1	Stability 01-14-10	1/14/2010 8:03:33 A	(P)27192.023	(P)0.000	(P)23097.494
2	Stability 01-14-10	1/14/2010 8:04:35 A	(P)25751.524	(P)0.000	(P)24248.565
3	Stability 01-14-10	1/14/2010 8:05:37 A	(P)25614.444	(P)0.167	(P)25030.411
4	Stability 01-14-10	1/14/2010 8:06:39 A	(P)25666.037	(P)0.000	(P)25340.622
5	Stability 01-14-10	1/14/2010 8:07:41 A	(P)25614.612	(P)0.167	(P)25768.387
	Mean of Stability 01-14	1/14/2010 8:03:33 A	(P)25967.728	(P)0.067	(P)24697.096
	SD of Stability 01-14-1		(P)686.688	(P)0.091	(P)1052.710
	%RSD of Stability 01		(P)2.644	(P)136.931	(P)4.262

Instrument ID: K-ICP-MS-02

Experiment: 01-14-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #186276



Sample Name:		Cal. Bik			Mean	SD	%RSD
TimeStamp		1/14/10 8:24					
Thallium	203	-0.0001	-0.0012	0.0013	0	0.0012	0
Thallium	205	0.0006	0.0008	-0.0014	0	0.0012	0

**Internal Standard
Factors:**

Lutetium	175	0.977	1.002	1.022	0.977	n/a	n/a
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Instrument ID: K-ICP-MS-02

Experiment: 01-14-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #186276

Sample Name:		Cal. Stn			Mean	SD	%RSD
TimeStamp		1/14/10 8:26					
Thallium	203	25.08	24.97	24.95	25	0.0713	0.2851
Thallium	205	24.99	24.86	25.15	25	0.1437	0.5748

**Internal Standard
Factors:**

Lutetium	175	1.005	1.006	1.017	1.005	n/a	n/a
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Instrument ID: K-ICP-MS-02

Experiment: 01-14-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #186276

Sample Name:		ICV1			Mean	SD	%RSD
TimeStamp		1/14/10 8:31					
Thallium	203	25.9	25.98	26.35	26.08	0.2413	0.9255
Thallium	205	25.8	26.46	26.48	26.25	0.388	1.478

**Internal Standard
Factors:**

Lutetium	175	0.981	1.017	1.037	0.981	n/a	n/a
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Instrument ID: K-ICP-MS-02

Experiment: 01-14-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #186276

Sample Name:		CCV1			Mean	SD	%RSD
TimeStamp		1/14/10 8:34					
Thallium	203	24.95	25.07	25.3	25.11	0.1823	0.7261
Thallium	205	25.13	25.16	25.52	25.27	0.2181	0.8631

**Internal Standard
Factors:**

Lutetium	175	1.016	1.032	1.054	1.016	n/a	n/a
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Instrument ID: K-ICP-MS-02
Experiment: 01-14-10A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #186276

Sample Name:		ICB1			Mean	SD	%RSD
TimeStamp		1/14/10 8:38					
Thallium	203	0.0117	0.012	0.0079	0.0105	0.0023	21.55
Thallium	205	0.011	0.0094	0.0082	0.0095	0.0014	15.08

**Internal Standard
Factors:**

Lutetium	175	1.099	1.073	1.079	1.099	n/a	n/a
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Instrument ID: K-ICP-MS-02
Experiment: 01-14-10A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #186276

Sample Name:		CCB1			Mean	SD	%RSD
TimeStamp		1/14/10 8:40					
Thallium	203	0.0056	0.0097	0.0065	0.0073	0.0022	29.93
Thallium	205	0.0063	0.0059	0.0067	0.0063	0.0004	6.209

**Internal Standard
Factors:**

Lutetium	175	1.059	1.079	1.095	1.059	n/a	n/a
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Instrument ID: K-ICP-MS-02

Experiment: 01-14-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #186276

Sample Name:		WATER CRA			Mean	SD	%RSD
TimeStamp		1/14/10 8:42					
Thallium	203	0.0235	0.0285	0.0256	0.0259	0.0025	9.647
Thallium	205	0.0218	0.0265	0.0214	0.0233	0.0028	12.22

**Internal Standard
Factors:**

Lutetium	175	1.051	1.134	1.094	1.051	n/a	n/a
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Instrument ID: K-ICP-MS-02
Experiment: 01-14-10A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #186276

Sample Name:		ICSA			Mean	SD	%RSD
TimeStamp		1/14/10 8:44					
Thallium	203	0.0711	0.0696	0.0719	0.0709	0.0011	1.584
Thallium	205	0.0671	0.0698	0.0637	0.0669	0.0031	4.575

**Internal Standard
Factors:**

Lutetium	175	1.106	1.142	1.172	1.106	n/a	n/a
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Instrument ID: K-ICP-MS-02

Experiment: 01-14-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #186276

Sample Name:		ICSAB			Mean	SD	%RSD
TimeStamp		1/14/10 8:47					
Thallium	203	0.0613	0.0793	0.0773	0.0726	0.0099	13.58
Thallium	205	0.0723	0.0726	0.0786	0.0745	0.0035	4.745

**Internal Standard
Factors:**

Lutetium	175	1.101	1.131	1.147	1.101	n/a	n/a
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Instrument ID: K-ICP-MS-02
Experiment: 01-14-10A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #186276

Sample Name:		R0907046-MB			Mean	SD	%RSD
TimeStamp		1/14/10 8:50					
Thallium	203	-0.0014	0.0037	-0.0008	0.0005	0.0028	548.5
Thallium	205	0.0005	-0.0004	0.0009	0.0004	0.0006	183.7

**Internal Standard
Factors:**

Lutetium	175	1.06	1.098	1.093	1.06 n/a	n/a
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Instrument ID: K-ICP-MS-02
Experiment: 01-14-10A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #186276

Sample Name:		LCSW R0907046			Mean	SD	%RSD
TimeStamp		1/14/10 8:52					
Thallium	203	20.26	20.71	20.74	20.57	0.2715	1.32
Thallium	205	20.58	20.99	20.7	20.76	0.2101	1.012

**Internal Standard
Factors:**

Lutetium	175	1.067	1.099	1.102	1.067	n/a	n/a
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Instrument ID: K-ICP-MS-02

Experiment: 01-14-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #186276

Sample Name:		LCSW R0907046D			Mean	SD	%RSD
TimeStamp		1/14/10 8:55					
Thallium	203	20.39	20.67	20.72	20.59	0.179	0.8693
Thallium	205	20.6	20.67	20.85	20.71	0.1293	0.6243

**Internal Standard
Factors:**

Lutetium	175	1.057	1.096	1.108	1.057	n/a	n/a
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Instrument ID: K-ICP-MS-02
Experiment: 01-14-10A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #186276

Sample Name:		R0907046-006			Mean	SD	%RSD
TimeStamp		1/14/10 8:58					
Thallium	203	0.007	0.0085	0.005	0.0068	0.0018	26.25
Thallium	205	0.0054	0.0066	0.0054	0.0058	0.0007	11.43

**Internal Standard
Factors:**

Lutetium	175	1.059	1.093	1.109	1.059	n/a	n/a
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Instrument ID: K-ICP-MS-02

Experiment: 01-14-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #186276

Sample Name:		R0907046-006 1/5L			Mean	SD	%RSD
TimeStamp		1/14/10 9:00					
Thallium	203	-0.0017	0.0012	0.0005	0	0.0015	9765
Thallium	205	0.0001	-0.0009	-0.0027	-0.0012	0.0014	123.6

**Internal Standard
Factors:**

Lutetium	175	1.096	1.104	1.113	1.096	n/a	n/a
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Instrument ID: K-ICP-MS-02

Experiment: 01-14-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #186276

Sample Name:		R0907046-006 +20A			Mean	SD	%RSD
TimeStamp		1/14/10 9:02					
Thallium	203	18.71	22.53	21.51	20.92	1.979	9.459
Thallium	205	18.83	22.45	21.33	20.87	1.853	8.877

**Internal Standard
Factors:**

Lutetium	175	1.017	1.147	1.134	1.017	n/a	n/a
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Instrument ID: K-ICP-MS-02
Experiment: 01-14-10A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #186276

Sample Name:		CCV2			Mean	SD	%RSD
TimeStamp		1/14/10 9:06					
Thallium	203	26.04	25.95	25.91	25.97	0.0679	0.2613
Thallium	205	26.44	25.95	25.96	26.11	0.2803	1.074

**Internal Standard
Factors:**

Lutetium	175	1.049	1.068	1.084	1.049	n/a	n/a
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Instrument ID: K-ICP-MS-02
Experiment: 01-14-10A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #186276

Sample Name:		CCB2			Mean	SD	%RSD
TimeStamp		1/14/10 9:09					
Thallium	203	0.0148	0.0072	0.0102	0.0107	0.0038	35.55
Thallium	205	0.0118	0.0114	0.0093	0.0108	0.0013	12.46

**Internal Standard
Factors:**

Lutetium	175	1.067	1.079	1.095	1.067 n/a	n/a
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Columbia Analytical Services

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client: Northgate Environmental
Project Name: Tronox LLC Henderson
Project No.: 2027.001

Service Request: R0907046

<u>Sample Name:</u>	<u>Lab Code:</u>
<u>RSAK7-0.5BR</u>	<u>R0907046-001</u>
<u>RSAK7-0.5BRD</u>	<u>R0907046-001D</u>
<u>RSAK7-0.5BRS</u>	<u>R0907046-001S</u>
<u>RSAJ2-0.5BR</u>	<u>R0907046-004</u>
<u>SA207-0.5BR</u>	<u>R0907046-007</u>
<u>SA207-0.5BRD</u>	<u>R0907046-007D</u>
<u>SA207-0.5BRS</u>	<u>R0907046-007S</u>
<u>Method Blank</u>	<u>R0907046-MB</u>
<u>Method Blank</u>	<u>R0907046-MB2</u>

Comments:

Approved By: 3C

Date: 1/22/10

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	Northgate Environmental	Service Request:	R0907046
Project No.:	2027.001	Date Collected:	12/10/09
Project Name:	Tronox LLC Henderson	Date Received:	12/11/09
Matrix:	SOIL	Units:	mg/Kg
		Basis:	DRY

Sample Name:	RSAK7-0.5BR	Lab Code:	R0907046-001
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Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Lead	6010B	2.1	0.4	2.0	12/23/09	12/28/09	13.7		*
Silver	6010B	0.5	0.2	2.0	12/23/09	12/28/09	0.2	U	
Thallium	6020	0.020	0.003	5.0	12/23/09	12/29/09	0.094		

% Solids: 96.2

Comments:

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

ICV Source: Inorganic Ventures

CCV Source: CAS MIXED

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Barium	5000	4929	99	10000	9763	98	9419	94	6010B
Chromium	500	504	101	250	248	99	245	98	6010B
Lead	2500	2462	98	250	247	99	248	99	6010B
Silver	625	599	96	250	250	100	249	100	6010B
Thallium	25.0	24.1	96	25.0	25.6	102	24.5	98	6020

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

ICV Source: Inorganic Ventures

CCV Source: CAS MIXED

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Barium				10000	9460	95	9728	97	6010B
Chromium				250	245	98	243	97	6010B
Lead				250	248	99	247	99	6010B
Silver				250	251	100	250	100	6010B
Thallium				25.0	24.7	99	24.2	97	6020

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

ICV Source: Inorganic Ventures

CCV Source: CAS MIXED

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Barium				10000	9726	97	9495	95	6010B
Chromium				250	246	98	246	98	6010B
Lead				250	247	99	246	98	6010B
Silver				250	252	101	253	101	6010B

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

ICV Source: Inorganic Ventures

CCV Source: CAS MIXED

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Thallium	25.0	25.5	102	25.0	24.6	98	24.8	99	6020

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

ICV Source: Inorganic Ventures

CCV Source: CAS MIXED

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Thallium				25.0	24.5	98	25.1	100	6020

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

ICV Source: Inorganic Ventures

CCV Source: CAS MIXED

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Thallium				25.0	24.7	99			6020

Metals

- 2b -

CRDL STANDARD FOR AA AND ICP

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	Initial		Final		
				True	Found	%R	Found	%R
Barium				5.0	4.8	96		
Chromium				5.0	4.4	88		
Lead				10.0			11.1	111
Silver				2.0			2.6	130
Thallium				0.04	0.041	102		

Metals

- 2b -

CRDL STANDARD FOR AA AND ICP

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	Initial			Final	
				True	Found	%R	Found	%R
Thallium				0.04	0.051	128		

Metals

- 3 -

BLANKS

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

Concentration Units: ug/L

Analyte	Initial Calib. Blank		Continuing Calibration Blank						Method
		C	1	C	2	C	3	C	
Barium	0.30	U	0.30	U	0.40	B	0.60	B	6010B
Chromium	1.0	U	1.0	U	1.0	U	1.0	U	6010B
Lead	2.0	U	2.0	U	2.0	U	2.0	U	6010B
Silver	1.0	U	1.0	U	1.0	U	1.0	U	6010B
Thallium	0.006	U	0.006	U	0.006	U	0.006	U	6020

Metals

- 3 -

BLANKS

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

Concentration Units: ug/L

Analyte	Initial Calib. Blank	Continuing Calibration Blank						Method	
		C	1	C	2	C	3		C
Barium			0.70	B	0.30	U	0.40	B	6010B
Chromium			1.0	U	1.0	U	1.0	U	6010B
Lead			2.0	U	2.0	U	2.0	U	6010B
Silver			1.0	U	1.0	U	1.0	U	6010B
Thallium			0.006	B					6020

Metals

- 3 -

BLANKS

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

Concentration Units: ug/L

Analyte	Initial Calib. Blank		Continuing Calibration Blank						Method
		C	1	C	2	C	3	C	
Thallium	0.006	U	0.006	U	0.006	B	0.006	U	6020

Metals

- 3 -

BLANKS

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

Concentration Units: ug/L

Analyte	Initial Calib. Blank	Continuing Calibration Blank						Method
		C	1	C	2	C	3	
Thallium			0.006	U	0.006	U		6020

Metals

- 4 -

ICP INTERFERENCE CHECK SAMPLE

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

ICP ID Number: K-ICP-MS-02

ICS Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Thallium	0.0		0.1	0.1				

80-120% control criteria is not applicable to interfering elements (Al,Ca,Fe,Mg).

Metals

- 4 -

ICP INTERFERENCE CHECK SAMPLE

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

ICP ID Number: K-ICP-AES-03

ICS Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Barium		500	0	492	98			
Chromium		500	0	482	96			
Lead		1000	5	996	100			
Silver		1000	0	933	93			

80-120% control criteria is not applicable to interfering elements (Al,Ca,Fe,Mg).

Metals

- 4 -

ICP INTERFERENCE CHECK SAMPLE

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

ICP ID Number: K-ICP-MS-02

ICS Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Thallium	0.0		0.1	0.1				

80-120% control criteria is not applicable to interfering elements (Al,Ca,Fe,Mg).

Metals

- 5A -

SPIKE SAMPLE RECOVERY

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Units: MG/KG

Project Name: Tronox LLC Henderson

Basis: DRY

Matrix: SOIL

% Solids: 96.2

Sample Name: RSAK7-0.5BRS

Lab Code: R0907046-001S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Barium	75 - 125	532		178		411.68	86.0		6010B
Chromium	75 - 125	50.1		10.1		41.17	97.2		6010B
Lead	75 - 125	117		13.7		102.92	100.4		6010B
Silver	75 - 125	9.7		0.2	U	10.29	94.3		6010B
Thallium	75 - 125	100		0.094		103.95	96.1		6020

An empty field in the Control Limit column indicates the control limit is not applicable

Metals

- 5A -

SPIKE SAMPLE RECOVERY

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Units: MG/KG

Project Name: Tronox LLC Henderson

Basis: DRY

Matrix: SOIL

% Solids: 94.9

Sample Name: SA207-0.5BRS

Lab Code: R0907046-007S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Thallium	75 - 125	105		0.175		105.37	99.5		6020

An empty field in the Control Limit column indicates the control limit is not applicable

Metals

- 7 -

LABORATORY CONTROL SAMPLE

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

Aqueous LCS Source:

Solid LCS Source: ERA D065-540

Analyte	Aqueous: ug/L			Solid: mg/kg				
	True	Found	%R	True	Found	C	Limits	%R
Barium				432	414		81 119	95.8
Chromium				144	145		80 119	100.7
Lead				104	107		79 121	102.9
Silver				76.4	80.8		66 134	105.8
Thallium				247	229		79 120	92.7

Metals

- 7 -

LABORATORY CONTROL SAMPLE

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

Aqueous LCS Source:

Solid LCS Source: ERA D065-540

Analyte	Aqueous: ug/L			Solid: mg/kg				
	True	Found	%R	True	Found	C	Limits	%R
Thallium				247	260		79 120	105.3

Metals

- 9 -

ICP SERIAL DILUTIONS

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Units: UG/L

Project Name: Tronox LLC Henderson

Sample Name: RSAK7-0.5BRL

Lab Code: R0907046-001L

Analyte	Initial Sample Result (I)	Serial Dilution Result (S)	% Difference	Q	M
Barium	865.1	938.0	8.4		P
Chromium	48.9	55.0	12.5	E	P
Lead	66.5	71.5	7.5		P
Silver	1.0 U	5.0 U			P
Thallium	0.185	0.257	39		MS

Metals

- 9 -

ICP SERIAL DILUTIONS

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Units: UG/L

Project Name: Tronox LLC Henderson

Sample Name: Batch QC1L

Lab Code: R0907171-004L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Thallium	0.646	0.466	28		MS

Metals

- 10 -

DETECTION LIMITS

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

ICP/ICP-MS ID #: K-ICP-MS-02

GFAA ID #:

AA ID #:

Analyte	Isotope	Back-ground	MRL ug/L	MDL ug/L	M
Thallium	205		0.040	0.006	MS

Comments:

Metals

- 10 -

DETECTION LIMITS

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

ICP/ICP-MS ID #:

GFAA ID #:

AA ID #:

Analyte	Wave-length (nm)	Back-ground	MRL ug/L	MDL ug/L	M
Barium	455.4		10.0	0.30	P
Chromium	267.7		10.0	1.0	P
Lead	220.3		10.0	2.0	P
Silver	328.1		2.5	1.0	P

Comments:

Metals

- 11A -

ICP INTERELEMENT CORRECTION FACTORS

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

ICP ID Number: K-ICP-AES-03

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Co
Aluminum	394.401	0.0000000	0.0000670	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000400	0.0000000	-0.0000400	0.0000000	0.0000000
Arsenic	189.042	0.0000390	0.0000000	-0.0000760	0.0000000	0.0000000
Barium	455.403	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000070	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	-0.0001260	0.0000000	0.0012990
Cadmium	226.502	0.0000000	0.0000000	0.0001210	0.0000000	-0.0001520
Calcium	393.366	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000040	0.0000080	0.0000000
Cobalt	230.786	0.0000000	0.0000000	0.0000170	0.0000000	0.0000000
Copper	327.396	0.0000000	0.0000000	0.0000080	0.0000000	0.0002940
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000680	0.0000000	0.0000290	0.0000000	0.0000000
Lithium	670.784	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	285.213	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.03	0.0000000	0.0000000	-0.0000080	0.0000000	0.0000000
Nickel	221.647	0.0000080	0.0000000	0.0000120	0.0000000	-0.0000960
Phosphorus	214.914	-0.0012840	0.0000000	0.0011150	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silicon	251.611	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	407.771	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0047240
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	336.121	0.0000000	0.0000130	0.0000000	0.0000000	0.0000230
Vanadium	292.402	0.0000000	0.0000000	0.0000290	0.0000000	0.0000000
Zinc	206.2	0.0000000	0.0000000	-0.0000540	0.0000000	0.0000000

Comments:

Metals

- 11B -

ICP INTERELEMENT CORRECTION FACTORS

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

ICP ID Number: K-ICP-AES-03

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Mn	Mo	Ni	Si
Aluminum	394.401	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0175150	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0004620	0.0000000	0.0006670	0.0000000	0.0000000
Barium	455.403	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	-0.0000290	-0.0001980	-0.0000220	0.0000000
Boron	249.678	0.0002640	0.0000000	-0.0005900	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000240	0.0000000	0.0000000
Calcium	393.366	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0001240	0.0000000	0.0000000	0.0000000
Cobalt	230.786	-0.0000340	0.0001060	-0.0082640	0.0002190	0.0000000
Copper	327.396	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	-0.0023650	0.0000000	0.0005320
Lithium	670.784	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	285.213	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.03	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	221.647	-0.0003740	0.0001080	0.0000000	0.0000000	0.0003870
Phosphorus	214.914	0.0000000	-0.0009470	0.0075330	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.0	0.0000000	0.0010320	0.0000000	0.0000000	0.0000000
Silicon	251.611	0.0000000	0.0000000	0.0071110	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000520	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	407.771	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0003510	0.0010860	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	336.121	0.0000000	0.0000000	0.0000540	0.0001230	0.0000000
Vanadium	292.402	0.0000000	0.0000000	-0.0103660	0.0000000	0.0000000
Zinc	206.2	-0.0001350	0.0000000	0.0001870	0.0000000	0.0000000

Comments:

Metals

- 11B -

ICP INTERELEMENT CORRECTION FACTORS

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

ICP ID Number: K-ICP-AES-03

Analyte	Wave-length (nm)	Interelement Correction Factors for:			
		Ti	V		
Aluminum	394.401	0.0000000	0.0000000		
Antimony	206.833	0.0005270	0.0000000		
Arsenic	189.042	0.0000000	0.0000000		
Barium	455.403	0.0000000	0.0000000		
Beryllium	234.861	0.0000000	0.0000000		
Boron	249.678	0.0000000	0.0000000		
Cadmium	226.502	0.0000660	0.0000000		
Calcium	393.366	0.0000000	0.0000000		
Chromium	267.716	0.0000000	-0.0000660		
Cobalt	230.786	0.0000000	0.0000000		
Copper	327.396	0.0001000	0.0000000		
Iron	259.94	0.0000000	0.0000000		
Lead	220.353	-0.0005720	0.0000000		
Lithium	670.784	0.0000000	0.0000000		
Magnesium	285.213	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000		
Molybdenum	202.03	0.0000000	0.0000000		
Nickel	221.647	-0.0019510	0.0000000		
Phosphorus	214.914	0.0000000	-0.0053970		
Potassium	766.491	0.0000000	0.0000000		
Selenium	196.0	0.0000000	0.0000000		
Silicon	251.611	0.0000000	0.0000000		
Silver	328.068	0.0000000	0.0000590		
Sodium	589.592	0.0000000	0.0000000		
Strontium	407.771	0.0000000	0.0000000		
Thallium	190.856	-0.0007260	-0.0030470		
Tin	189.989	-0.0005630	0.0000000		
Titanium	336.121	0.0000000	0.0000210		
Vanadium	292.402	0.0007120	0.0000000		
Zinc	206.2	0.0000000	0.0000000		

Comments:

Metals

-12-

ICP LINEAR RANGES (QUARTERLY)

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

ICP ID Number: K-ICP-AES-03

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Barium	15.000	90000	6010B
Chromium	15.000	45000	6010B
Lead	15.000	90000	6010B
Silver	15.000	1800	6010B

Comments:

Metals

-12-

ICP LINEAR RANGES (QUARTERLY)

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

ICP ID Number: K-ICP-MS-02

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Thallium	15.000	450	6020

Comments:

Metals
-13-
PREPARATION LOG

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

Method: P

Sample ID	Preparation Date	Initial Weight (g)	Final Volume (mL)
LCSS	12/23/09	1.00	100.0
R0907046-001	12/23/09	1.01	100.0
R0907046-001D	12/23/09	1.02	100.0
R0907046-001S	12/23/09	1.01	100.0
R0907046-004	12/23/09	1.00	100.0
R0907046-007	12/23/09	1.00	100.0
R0907046-MB	12/23/09	1.00	100.0

Metals
-13-
PREPARATION LOG

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

Method: MS

Sample ID	Preparation Date	Initial Weight (g)	Final Volume (mL)
LCSS	12/23/09	1.02	100.0
R0907046-001	12/23/09	1.02	100.0
R0907046-001D	12/23/09	1.00	100.0
R0907046-001S	12/23/09	1.00	100.0
R0907046-MB	12/23/09	1.00	100.0

Metals

-13-

PREPARATION LOG

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

Method: MS

Sample ID	Preparation Date	Initial Weight (g)	Final Volume (mL)
LCSS2	01/15/10	1.01	100.0
R0907046-007	01/15/10	1.01	100.0
R0907046-007D	01/15/10	1.02	100.0
R0907046-007S	01/15/10	1.00	100.0
R0907046-MB2	01/15/10	1.00	100.0

Metals

- 14 -

ANALYSIS RUN LOG

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

Instrument ID Number: K-ICP-AES-03

Method: P

Start Date: 12/28/09

End Date: 12/28/09

Sample No.	D/F	Time	% R	Analytes																											
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K E	S E	A G	N A	T L	V L	Z N	C N				
BLK	1	09:37				X				X			X									X									
STD A	1	09:40								X			X									X									
STD B	1	09:43				X																									
ICV1	1	09:47				X				X			X									X									
ZZZZZ	1	09:50																													
ICB1	1	09:53				X				X			X									X									
CCV1	1	09:57								X			X									X									
CCV1	1	10:01				X																									
CCB1	1	10:06				X				X			X									X									
CRA1	1	10:11				X				X																					
CRA1	1	10:14											X									X									
ICS-A1	1	10:17				X				X			X									X									
ICS-AB1	1	10:20				X				X			X									X									
ZZZZZ	1	10:25																													
ZZZZZ	1	10:28																													
ZZZZZ	1	10:30																													
ZZZZZ	1	10:33																													
ZZZZZ	1	10:37																													
ZZZZZ	1	10:40																													
CCV2	1	10:44								X			X									X									
CCV2	1	10:47				X																									
CCB2	1	10:50				X				X			X									X									
ZZZZZ	1	10:53																													
ZZZZZ	1	10:56																													
ZZZZZ	1	10:59																													
ZZZZZ	1	11:02																													
ZZZZZ	1	11:05																													
ZZZZZ	1	11:09																													
ZZZZZ	1	11:12																													
ZZZZZ	1	11:16																													
ZZZZZ	1	11:19																													
ZZZZZ	1	11:23																													

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Metals

- 14 -

ANALYSIS RUN LOG

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

Instrument ID Number: K-ICP-AES-03

Method: P

Start Date: 12/28/09

End Date: 12/28/09

Sample No.	D/F	Time	% R	Analytes																									
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K I	S E	A G	N A	T L	V L	Z N	C N		
CCV3	1	11:26								X			X								X								
CCV3	1	11:29				X																							
CCB3	1	11:32				X			X			X									X								
CCV4	1	11:36							X			X									X								
CCV4	1	11:39				X																							
CCB4	1	11:42				X			X			X									X								
ZZZZZZ	1	11:45																											
ZZZZZZ	1	11:47																											
ZZZZZZ	1	11:50																											
ZZZZZZ	1	11:54																											
ZZZZZZ	1	11:57																											
ZZZZZZ	1	12:00																											
ZZZZZZ	1	12:03																											
ZZZZZZ	1	12:07																											
ZZZZZZ	1	12:10																											
R0907046-MB	2	12:14				X			X			X									X								
CCV5	1	12:17							X			X									X								
CCV5	1	12:20				X																							
CCB5	1	12:23				X			X			X									X								
LCSS	2	12:26				X			X			X									X								
R0907046-001	2	12:29										X									X								
R0907046-001D	2	12:32				X			X			X									X								
R0907046-001L	10	12:36				X			X			X									X								
R0907046-001S	2	12:39				X			X			X									X								
R0907046-004	2	12:43				X			X																				
R0907046-007	2	12:46				X			X			X									X								
ZZZZZZ	1	12:51																											
ZZZZZZ	1	12:53																											
ZZZZZZ	1	12:56																											
CCV6	1	12:59							X			X									X								
CCV6	1	13:02				X																							
CCB6	1	13:05				X			X			X									X								

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Metals
- 14 -
ANALYSIS RUN LOG

Client: Northgate Environmental

Service Request: R0907046

Project No.: 2027.001

Project Name: Tronox LLC Henderson

Instrument ID Number: K-ICP-MS-02

Method: MS

Start Date: 01/19/10

End Date: 01/19/10

Sample No.	D/F	Time	% R	Analytes																											
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N				
ZZZZZZ	5	18:57																													
ZZZZZZ	25	19:01																													
ZZZZZZ	5	19:08																													
ZZZZZZ	5	19:13																													
ZZZZZZ	5	19:17																													
ZZZZZZ	5	19:21																													
ZZZZZZ	5	19:25																													
ZZZZZZ	5	19:29																													
CCV4	1	19:34																									X				
CCB4	1	19:41																									X				
R0907046-007	5	19:45																									X				
R0907046-007D	5	19:49																									X				
R0907046-007S	25	19:53																									X				
CCV5	1	19:58																									X				
CCB5	1	20:06																									X				

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Northgate Environmental
Project: Tronox LLC Henderson/2027.001
Sample Matrix: Soil

Analysis Method: 160.3 Modified

Service Request: R0907046
Date Collected: 12/10/09 - 12/14/09
Date Received: 12/11/09 - 12/15/09

Units: Percent
Basis: NA

Solids, Total

Sample Name	Lab Code	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed
RSAK7-0.5BR	R0907046-001	96.2	1.0	1	NA	12/31/09 11:30
RSAJ6-0.5BR	R0907046-002	92.4	1.0	1	NA	12/31/09 11:30
RSAK3-0.5BR	R0907046-003	94.7	1.0	1	NA	12/31/09 11:30
RSAJ2-0.5BR	R0907046-004	94.3	1.0	1	NA	12/31/09 11:30
SA207-0.5BR	R0907046-007	94.9	1.0	1	NA	12/31/09 11:30
Method Blank	R0907046-MB1	ND U	1.0	1	NA	12/31/09 11:30
Method Blank	R0907046-MB2	ND U	1.0	1	NA	12/31/09 11:30

Columbia Analytical Services
Metals Digestion Sheet

Service Request Number(s): R0907046
 Star Lims Run No.: 103185
 Method: EPA 3050B Analysis for: ICP ICP-MS GFAA
 Flame AA Other

Sample	Initial Weight (g)	Dry	Wet	Initial Volume(ml)	Final Volume (ml)	Matrix
R0907046 Blank			x		1.00	10% HNO ₃
-LSS	1.00					
-1	1.01					
-1b	1.02					
-1c	1.06					
-4	1.00					
-7	1.00					
LSS 12/23/09						

Balance I.D.: 2 Date Balance Checked 12/23/09
 Lot # Acids Used: HNO₃ Hik084 HCl 30092801 H₂O, 49192923 HF _____
 Hot Block Temp: 95°C
 LCSS (circle appropriate) ERA CLP Soil Lot # D065-540 Other: _____

GFAA LCSW = GFLCSW, MET1-80-J, _____ mL Time Digestion Started: 11:22
 ICP LCSW = QCP-CICV-1, MET1-79-E, _____ mL Initial Reflux Time: 15 min.
 QCP-CICV-2, MET1-77-M, _____ mL Secondary Reflux Time: 30 min.
 QCP-CICV-3, MET1-80-O, _____ mL HCL Reflux Time (if needed): 15 min.
 SS6, MET1-80-K, _____ mL

SPIKE INFO
 SS1-MET1-79-M, 2.00 mls added SS4-MET1-76-B _____ mls added SS7-MET1-78-H _____ mls added
 SS5-MET1-79-Q, 1.00 mls added 200.8 1000ppb Stock (MS12-90-A) _____ mls added
 SS6-MET1-80-K, 1.00 mls added Ag 1000ppb Stock (MS13-38-C) _____ mls added

Additional spikes: _____
 Comments: _____

Analyst [Signature] Date 12/23/09
 Reviewer [Signature] Date 12/28/09

metdig_3050B.xls

Columbia Analytical Services
Metals Digestion Sheet

Service Request Number(s): 20907046
 Star Lims Run No.: 103185
 Method: EPA 3050B Analysis for: ICP ICP-MS GFAA
 Flame AA Other

Sample	Initial Weight (g)	Dry	Wet	Initial Volume(ml)	Final Volume (ml)	Matrix
* <u>R0907046 Blank</u>			X		<u>1.66</u>	<u>IC10H10O3</u>
<u>-LWS</u>	<u>1.02</u>					
<u>-1</u>	<u>1.02</u>					
<u>-10</u>	<u>1.00</u>					
<u>-15</u>	<u>1.00</u>					
<u>LWS 12/23/09</u>						

Balance I.D.: 2 Date Balance Checked 12/23/09
 Lot # Acids Used: HNO3 114024 HCl _____ H2O2 49102943 HF _____
 Hot Block Temp: 95C
 LCSS (circle appropriate) ERA CLP Soil Lot # D065-540 Other: _____

GFAA LCSW = GFLCSW, MET1-80-J, _____ mL Time Digestion Started: 11:22
 ICP LCSW = QCP-CICV-1, MET1-79-E, _____ mL Initial Reflux Time: 15 min.
 QCP CICV-2, MET1-77-M, _____ mL Secondary Reflux Time: 30 min.
 QCP CICV-3, MET1-80-O, _____ mL HCL Reflux Time (if needed): _____ min.
 SS6, MET1-80-K, _____ mL

SPIKE INFO

SS1-MET1-79-M, 0.00 mls added SS4-MET1-76-B _____ mls added SS7-MET1-78-H _____ mls added
 SS5-MET1-79-Q, 1.00 mls added 200.8 1000ppb Stock (MS12-90-A) _____ mls added
 SS6-MET1-80-K, 1.00 mls added Ag 1000ppb Stock (MS13-38-C) _____ mls added

Additional spikes: _____

Comments: _____

Analyst [Signature] Date 12/23/09
 Reviewer [Signature] Date 12/28/09

metdig_3050B.xls

METALS SPIKE FORM

Service Request # 20907046

Q.C. Sample # 20907046-1, -4 WS 12/3/09

Circle type of digest: GFAA ICP FAA ICP-MS Other: _____ Initials / Date: VSR, 12/3/09
 Circle type of sample: Soil Water Misc. Sludge Oil Other: _____

Solution Name	Element	mLs of 1000ppm Solution	Final Volume	Solution Conc. mg/L	Enter mLs Added
SS1-MET1-79-M	HNO3	50.0	1000ml	-	200
	Al	100*	1000ml	200	
	Ag	100*	1000ml	5	
	Ba	100*	1000ml	200	
	Be	100*	1000ml	5	
	Cd	100*	1000ml	5	
	Co	100*	1000ml	50	
	Cr	100*	1000ml	20	
	Cu	100*	1000ml	25	
	Fe	100*	1000ml	100	
	Pb	100*	1000ml	50	
	Mn	100*	1000ml	50	
	Ni	100*	1000ml	50	
	Sb	50	1000ml	50	
	V	100*	1000ml	50	
Zn	100*	1000ml	50		
SS4-MET1-76-B	HNO3	25.0	500ml	-	Expires: 05/01/2010
	As	2.0	500ml	4	
	Cd	2.0	500ml	4	
	Pb	2.0	500ml	4	
	Se	2.0	500ml	4	
	Tl	2.0	500ml	4	
	Cu	2.0	500ml	4	
SS5-MET1-79-Q	HNO3	25.0	500ml	-	Expires: 4/2010
	As	50.0	500ml	100	
	Se	50.0	500ml	100	
	Tl	50.0	500ml	100	
SS6-MET1-80-K	HNO3	25	500ml	-	Expires: 05/2010
	B	50	500ml	100	
	Mo	50	500ml	100	
SS7-MET1-78-H	HNO3	10.0	200ml	-	Expires: 7/01/2010
	K**	20	200ml	1000	
	Na**	20	200ml	1000	
	Mg**	20	200ml	1000	
	Ca**	20	200ml	1000	
GFLCSW (MET1-80-J)	HNO3	10.0	1000ml	-	Expires: 3/29/10
	As, Pb, Se, Tl	5.0	1000ml	2.5	
	Cd	-	-	1.25	
	Cu	2.5	1000ml	2.5	
QCP-CICV-1 (MET1-79-E)	Ca, Mg, Na, K	no dilution	-	2500	Expires: 07/01/10
	Al, Ba	no dilution	-	1000	
	Fe	no dilution	-	500	
	Co, Mn, Ni, V, Zn	no dilution	-	250	
	Cu, Ag	no dilution	-	125	
	Cr	no dilution	-	100	
QCP-CICV-2 (MET1-77-M)	Sb	no dilution	-	500	Expires: 10/01/10
	Be	no dilution	-	25	
QCP-CICV-3 (MET1-80-O)	As, Pb, Se, Tl	no dilution	-	500	Expires: 7/1/10
	Cd	no dilution	-	250	
QCP-CICV-3 (MET1-80-O)	As, Pb, Se, Tl	no dilution	-	500	Expires: 12/1/10
	Cd	no dilution	-	250	

* Denotes volume of mixed stock standard.

** Denotes 10,000 ppm individual stock standards.

Standard	mLs of standard	ppm	Logbook #	Exp. Date

Columbia Analytical Services
Metals Digestion Sheet

WS11/14/10

Service Request Number(s): R0907146, R0907146-71 Redigest R0907046-Redigest

Star Lims Run No.: 10903R

Method: EPA 3050B Analysis for: ICP ICP-MS GFAA
Flame AA Other

Sample	Initial Weight (g)	Dry	Wet	Initial Volume(ml)	Final Volume (ml)	Matrix
-Blank			*		100	10% HNO ₃
-LCSW						
-LCS5	1.01					
R0907171-1	1.01					
-2	1.01					
-3	1.01					
-4	1.00					
-4b	1.00					
-4s	1.01					
R0907146-3	1.00					
-4	1.02					
-5	1.02					
^{0.05} -6s	1.01					
-9	1.00					
-14	1.01					
-14b	1.00					
-14s	1.00					
-16	1.00					
-19	1.00					
-20	1.02					
-21	1.01					
-22	1.00					
-23	1.02					
R0907046-7	1.01					
-7b	1.02					
-7s	1.00					

Balance I.D.: 28 Date Balance Checked 1/14/10
Lot # Acids Used: HNO₃ Hickory HCl H₂O₂ 49192943 HF

Hot Block Temp: 95°C
LCSS (circle appropriate) ERA CLP Soil Lot # D065-540 Other:

GFAA LCSW = GFLCSW, MET1-80-J, mL Time Digestion Started: 1:00
ICP LCSW = QCP-CICV-1, MET1-79-E, mL Initial Reflux Time: 15 min.
QCP-CICV-2, MET1-80-N, mL Secondary Reflux Time: 30 min.
QCP-CICV-3, MET1-80-O, mL HCL Reflux Time (if needed): min.
SS6, MET1-80-K, mL

SPIKE INFO
SS1-MET1-81-B, 2.00 mls added SS4-MET1-76-B mls added SS7-MET1-78-H mls added
SS5-MET1-79-Q, 1.00 mls added 200.8 1000ppb Stock (MS12-90-A) mls added
SS6-MET1-80-K, 1.00 mls added Ag 1000ppb Stock (MS13-38-C) mls added

Additional spikes: 0.5 mls Ti 1000ppm, 0.5 mls Sr 1000ppm, 0.5 mls Sn 1000ppm 200 mls V, Pt, W 10 ppm

Comments:

Analyst Willy J. Munn Date 1/15/10
Reviewer BJS Date 1/18/10

metdig_3050B.xls

METALS SPIKE FORM

Service Request # R0907046 - Redigest
 Q.C. Sample # 07046-7

Circle type of digest: GFAA ICP FAA ICP-MS Other: _____ Initials / Date: WS, 1/15/10
 Circle type of sample: Soil Water Misc. Sludge Oil Other: _____

Solution Name	Element	mLs of 1000ppm Solution	Final Volume	Solution Conc. mg/L	Enter mis Added
SS1-MET1-81-B	HNO3	50.0	1000ml	-	200
	Al	100**	1000ml	200	
	Ag	100**	1000ml	5	
	Ba	100**	1000ml	200	
	Be	100**	1000ml	5	
	Cd	100**	1000ml	5	
	Co	100**	1000ml	50	
	Cr	100**	1000ml	20	
	Cu	100**	1000ml	25	
	Fe	100**	1000ml	100	
	Pb	100**	1000ml	50	
	Mn	100**	1000ml	50	
	Ni	100**	1000ml	50	
	Sb	50	1000ml	50	
V	100**	1000ml	50		
Zn	100**	1000ml	50		
SS4-MET1-76-B	HNO3	25.0	500ml	-	Expires: 4/2010
	As	2.0	500ml	4	
	Cd	2.0	500ml	4	
	Pb	2.0	500ml	4	
	Se	2.0	500ml	4	
	Tl	2.0	500ml	4	
SS5-MET1-79-Q	HNO3	25.0	500ml	-	Expires: 05/2010
	As	50.0	500ml	100	
	Se	50.0	500ml	100	
	Tl	50.0	500ml	100	
SS6-MET1-80-K	HNO3	25	500ml	-	Expires: 7/01/2010
	B	50	500ml	100	
	Mo	50	500ml	100	
SS7-MET1-78-H	HNO3	10.0	200ml	-	Expires: 3/29/10
	K**	20	200ml	1000	
	Na**	20	200ml	1000	
	Mg**	20	200ml	1000	
	Ca**	20	200ml	1000	
GFCLCSW (MET1-80-J)	HNO3	10.0	1000ml	-	Expires: 07/01/10
	As, Pb, Se, Tl	5.0	1000ml	2.5	
	Cd	-	-	1.25	
	Cu	2.5	1000ml	2.5	
QCP-CICV-1 (MET1-79-E)	Ca, Mg, Na, K	no dilution	-	2500	Expires: 10/01/10
	Al, Ba	no dilution	-	1000	
	Fe	no dilution	-	500	
	Co, Mn, Ni, V, Zn	no dilution	-	250	
	Cu, Ag	no dilution	-	125	
	Cr	no dilution	-	100	
	Be	no dilution	-	25	
QCP-CICV-2 (MET1-80-N)	Sb	no dilution	-	500	Expires: 12/10
QCP-CICV-3 (MET1-80-O)	As, Pb, Se, Tl	no dilution	-	500	Expires: 12/1/10
	Cd	no dilution	-	250	

* Denotes volume of mixed stock standard.
 ** Denotes 10,000 ppm individual stock standards.

Standard	mis of standard	ppm	Logbook #	Exp. Date

Service Request # R091070A6
Instrument ID# K-ICP-AES-03

ICP-OES Data Review Form

	Yes	No
1. Standardization completed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. ICV within 10 % of true value	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. ICB below MRL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. CRI standard analyzed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. ICS standards within 20% of true value	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. All preceding CCVs within 10 % of true value	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Following CCV within 10 % of true value	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Bracketing CCBs below MRL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. Method Blank below MRL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. MS-MSD or Dup-MS and LCS within CAS control limits	<input type="checkbox"/>	<input checked="" type="checkbox"/>
11. All analytes within instrument linear range	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12. Adequate rinse out time allowed between samples to eliminate memory effect	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Comments:

StarLIMS Run # 184411

Saved under 122809AICP03

Do not report Cd, Li by 200.7.

NR Mg2852 after CCB5.

High RPD for Cr(52)+Pb(53). Heterogeneous sample - coarse sand.

Primary Review by mmr

Date 12/28/09

Secondary Review by SL

Date 12/29/09

Sample Name: BLK Acquired: 12/28/2009 9:37:32 Type: Cal
 Method: 2009D(v12) Mode: IR Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0016	-7.311	.1356	.1467	.0029	-2.5460	15.67
Stddev	.0002	1.013	.1791	.2263	.0009	.7800	1.67
%RSD	13.20	13.86	132.1	154.3	31.85	30.637	10.67

#1	.0017	-6.595	.2622	.3067	.0022	-3.0975	14.49
#2	.0014	-8.028	.0089	-.0133	.0035	-1.9944	16.85

Elem	Cd2265	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0008	.0016	.1357	.0000	.0001	-185.2	.0008
Stddev	.0004	.0003	.0001	.0001	.0004	2.1	.0003
%RSD	52.10	17.25	.0374	179.6	275.9	1.156	40.59

#1	-.0011	.0018	.1357	.0001	.0004	-186.7	.0010
#2	-.0005	.0014	.1357	.0000	-.0001	-183.7	.0006

Elem	Pb2203	Mg2790	Mg2795	Mg2852	Mn2576	Mn2605	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0014	-.0001	.0009	-.3000	.0001	.0000	-.0002
Stddev	.0006	.0000	.0003	.2828	.0000	.0000	.0002
%RSD	42.50	24.40	39.35	94.28	10.45	123.9	101.5

#1	-.0010	-.0001	.0006	-.1000	.0001	.0001	.0000
#2	-.0018	-.0001	.0011	-.5000	.0002	.0000	-.0003

Elem	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0011	32.52	-.9300	-14.82	8.647	.0013	-.0001
Stddev	.0003	10.78	.4855	4.99	3.431	.0003	.0001
%RSD	28.94	33.15	52.21	33.67	39.68	20.51	44.41

#1	.0009	24.90	-1.273	-11.29	6.221	.0015	-.0001
#2	.0013	40.15	-.5867	-18.35	11.07	.0011	-.0002

Sample Name: BLK Acquired: 12/28/2009 9:37:32 Type: Cal
 Method: 2009D(v12) Mode: IR Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0006	.9333	26.35	.0014	-.0026	-13.18	-.00132
Stddev	.0001	.8580	1.70	.0001	.0005	.78	.00099
%RSD	20.23	91.92	6.440	4.768	21.37	5.904	74.804
#1	.0005	1.540	27.55	.0015	-.0022	-13.73	-.00202
#2	.0007	.3267	25.15	.0014	-.0030	-12.63	-.00062
Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306			
Units	Cts/S	Cts/S	Cts/S	Cts/S			
Avg	1688.7	55935.	6619.8	569.81			
Stddev	4.5	123.	13.3	2.53			
%RSD	.26482	.21963	.20065	.44343			
#1	1691.9	56022.	6610.4	571.60			
#2	1685.6	55848.	6629.2	568.02			

*www
12/28/09*

Sample Name: STD A Acquired: 12/28/2009 9:40:39 Type: Cal
 Method: 2009D(v12) Mode: IR Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment: ICP6-90-C

Elem	Al1670	Sb2068	Be2348	B_2496	Cd2265	Ca3933	Cr2677	Co2307
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.3593	175.8	19209.	1309.	2.341	13.41	.0812	.8278
Stddev	.0001	.6	77.	1.	.004	.07	.0000	.0011
%RSD	.0201	.3415	.40319	.0766	.1759	.4894	.0161	.1364

#1	.3594	175.4	19154.	1310.	2.338	13.36	.0811	.8286
#2	.3593	176.2	19264.	1308.	2.343	13.45	.0812	.8270

Elem	Cu3273	Pb2203	Mg2795	Mn2576	Mn2605	Mo2020	Ni2216	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6675.	.5469	3.923	.4282	.0240	.7014	.9003	102.3
Stddev	41.	.0021	.025	.0006	.0001	.0022	.0003	1.4
%RSD	.6127	.3900	.6280	.1440	.2981	.3157	.0382	1.415

#1	6646.	.5454	3.906	.4278	.0241	.6999	.9000	103.3
#2	6704.	.5484	3.941	.4286	.0240	.7030	.9005	101.3

Elem	Ag3280	Sn1899	V_2924	Zn2062	Ti3361	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	6802.	.3570	.0981	1.712	.4162	.3636
Stddev	22.	.0013	.0002	.005	.0003	.0007
%RSD	.3254	.3506	.2493	.2874	.0812	.2017

#1	6786.	.3578	.0980	1.709	.4159	.3641
#2	6817.	.3561	.0983	1.716	.4164	.3631

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1692.1	55803.	6705.8	568.86
Stddev	3.0	117.	43.1	1.95
%RSD	.17998	.20999	.64269	.34308

#1	1694.2	55720.	6736.3	570.24
#2	1689.9	55886.	6675.3	567.48

Sample Name: STD B Acquired: 12/28/2009 9:43:52 Type: Cal
 Method: 2009D(v12) Mode: IR Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment: ICP6-88-C

Elem	Al3944	As1890	Ba4554	Ca3158	Fe2599	Mg2790	Mg2852
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	R 68160.	399.5	R 160.9	2.406	4.440	.3921	R 61050.
Stddev	698.	1.2	3.0	.011	.021	.0003	456.
%RSD	1.024	.2948	1.851	.4379	.4769	.0850	.7464

#1	68660.	398.7	158.8	2.399	4.425	.3924	61380.
#2	67670.	400.4	163.0	2.414	4.455	.3919	60730.

Elem	K_7664	Na5895	P_2149	Si2516	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	11050.	28700.	3260.	8340.	19240.	28.951
Stddev	117.	336.	10.	32.	270.	.084
%RSD	1.054	1.170	.3078	.3798	1.401	.28951

#1	11130.	28940.	3253.	8363.	19430.	29.010
#2	10970.	28460.	3268.	8318.	19050.	28.892

Int. Std.	Y_2243	Y_3600-2
Units	Cts/S	Cts/S
Avg	1691.9	6726.3
Stddev	.5	54.9
%RSD	.02794	.81650

#1	1692.2	6765.1
#2	1691.5	6687.4

Sample Name: ICV1 Acquired: 12/28/2009 9:47:27 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment: ICP6-83-B

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.830	2.484	2.462	4.929	.12740	.0007	F 1.186	12.09
Stddev	.049	.008	.002	.010	.00059	.0001	.004	.06
%RSD	1.005	.3302	.0602	.1988	.46386	9.080	.3197	.5062

#1	4.796	2.478	2.463	4.922	.12698	.0007	1.183	12.05
#2	4.864	2.489	2.461	4.936	.12782	.0008	1.189	12.13

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass
Value							1.250	
Range							-5.000%	

Elem	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2852	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5041	1.234	.6196	2.496	2.462	12.11	12.64	1.267
Stddev	.0026	.005	.0074	.011	.023	.07	.08	.010
%RSD	.5216	.4345	1.196	.4216	.9417	.5854	.6502	.7578

#1	.5059	1.230	.6143	2.488	2.445	12.06	12.59	1.274
#2	.5022	1.238	.6248	2.503	2.478	12.16	12.70	1.260

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.248	1.989	1.222	12.72	2.406	.5994	12.48	-.0001
Stddev	.001	.009	.003	.02	.005	.0049	.07	.0002
%RSD	.0480	.4602	.2373	.1514	.1976	.8231	.5949	158.7

#1	1.247	1.982	1.220	12.71	2.409	.5960	12.43	-.0002
#2	1.248	1.995	1.224	12.74	2.403	.6029	12.54	.0000

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value								
Range								

Sample Name: ICV1 Acquired: 12/28/2009 9:47:27 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment: ICP6-83-B

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.277	1.273	-.0051	.0225	2.028	2.514	.0017	.00061
Stddev	.011	.008	.0006	.0023	.010	.020	.0006	.00001
%RSD	.8493	.5969	11.80	10.32	.5011	.7884	32.83	1.3741
#1	1.284	1.268	-.0047	.0242	2.036	2.500	.0013	.00061
#2	1.269	1.279	-.0055	.0209	2.021	2.528	.0021	.00062

Check ? Value Range	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass	None	None
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Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1700.2	55308.	6980.6	550.00
Stddev	4.5	472.	14.5	3.87
%RSD	.26628	.85363	.20796	.70445
#1	1703.4	54974.	6970.3	552.74
#2	1697.0	55642.	6990.8	547.26

Sample Name: ICVB1 Acquired: 12/28/2009 9:50:32 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment: ICP6-80-C

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9733	.9814	.0020	.0021	.0003	-.00002	1.994	.0001
Stddev	.0042	.0029	.0005	.0019	.0000	.00005	.004	.0000
%RSD	.4313	.3004	26.03	89.76	17.61	277.84	.1764	12.84

#1	.9703	.9793	.0017	.0034	.0002	.00002	1.991	.0001
#2	.9763	.9835	.0024	.0008	.0003	-.00006	1.996	.0002

Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None
Value Range								

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.061	4.942	-.0003	-.0002	-.0009	9.964	.0015	4.955
Stddev	.038	.141	.0003	.0001	.0001	.046	.0013	.016
%RSD	.7587	2.863	102.1	43.37	13.62	.4623	82.54	.3188

#1	5.034	4.842	-.0006	-.0001	-.0008	9.931	.0006	4.944
#2	5.088	5.042	-.0001	-.0002	-.0010	9.996	.0024	4.966

Check ?	None	Chk Pass	None	None	None	None	None	None
Value Range								

Elem	Mg2795	Mg2852	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.996	5.157	9.771	9.961	.0007	.0003	-.0050	-.0035
Stddev	.016	.023	.009	.001	.0004	.0001	.0236	.0039
%RSD	.3210	.4445	.0941	.0075	50.84	33.60	473.2	111.5

#1	4.985	5.141	9.765	9.961	.0010	.0003	.0117	-.0007
#2	5.008	5.174	9.778	9.962	.0005	.0004	-.0217	-.0063

Check ?	Chk Pass	None	None	None	None	None	None	None
Value Range								

Sample Name: ICVB1 Acquired: 12/28/2009 9:50:32 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment: ICP6-80-C

Elem	Ag3280	Na5895	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0048	5.081	.0002	.0008	5.023	5.191	.0006
Stddev	.0004	.0001	.004	.0001	.0000	.004	.006	.0001
%RSD	50.65	1.955	.0799	58.35	4.965	.0860	.1090	15.77

#1	.0005	.0049	5.078	.0002	.0007	5.026	5.195	.0006
#2	.0010	.0047	5.084	.0001	.0008	5.020	5.187	.0005

Check ?	None	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value Range								

Elem	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.0005	2.098	1.9859
Stddev	.0022	.004	.0090
%RSD	468.3	.2108	.45461

#1	-.0020	2.095	1.9796
#2	.0011	2.101	1.9923

Check ?	None	Chk Pass	Chk Pass
Value Range			

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1711.6	55927.	6876.5	562.41
Stddev	2.2	97.	22.8	.39
%RSD	.12908	.17327	.33179	.06929

#1	1713.2	55859.	6892.6	562.68
#2	1710.1	55996.	6860.4	562.13

Sample Name: ICB Acquired: 12/28/2009 9:53:43 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	-.0019	.0049	.0011	-.0002	.00000	.0025	.0000	-.0004
Stddev	.0000	.0014	.0006	.0027	.0000	.0000	.0010	.0001	.0074
%RSD	9.680	76.53	12.34	237.1	6.004	2857.7	40.69	296.7	1979.

#1	-.0004	-.0009	.0045	.0030	-.0002	-.00003	.0032	.0000	.0048
#2	-.0004	-.0029	.0053	-.0008	-.0002	.00002	.0017	.0001	-.0056

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	-.0001	-.0001	-.0015	.0015	.0009	.0025	.0002	.0008
Stddev	.0000	.0003	.0001	.0004	.0004	.0018	.0084	.0001	.0007
%RSD	14.71	677.9	112.3	27.45	23.38	204.6	341.0	34.97	95.31

#1	.0004	-.0003	.0000	-.0018	.0018	.0021	-.0035	.0003	.0002
#2	.0003	.0002	-.0002	-.0012	.0013	-.0004	.0084	.0002	.0013

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0004	.0004	-.0002	-.0067	.0028	.0004	.0079	.0000
Stddev	.0001	.0001	.0001	.0001	.0087	.0035	.0001	.0050	.0001
%RSD	205.0	14.83	31.31	50.53	130.8	124.4	26.46	62.85	372.1

#1	.0001	.0003	.0003	-.0003	-.0005	.0003	.0005	.0114	-.0001
#2	.0000	.0004	.0004	-.0001	-.0128	.0053	.0003	.0044	.0001

Check ? Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: ICB Acquired: 12/28/2009 9:53:43 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209

Comment:

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	.0002	-0.0005	-0.0047	.0000	.0000	-0.0001	.00008
Stddev	.0002	.0001	.0016	.0075	.0000	.0004	.0017	.00000
%RSD	212.9	62.11	291.9	159.5	310.1	2676.	1808.	5.2647
#1	.0000	.0003	-0.0016	.0006	.0001	-0.0003	-0.0013	.00008
#2	-0.0002	.0001	.0006	-0.0100	.0000	.0003	.0011	.00009

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1715.3	56649.	6896.8	578.57
Stddev	3.5	5.	80.4	1.18
%RSD	.20539	.00830	1.1659	.20424
#1	1717.7	56646.	6839.9	577.74
#2	1712.8	56652.	6953.6	579.41

Sample Name: CCVA1 Acquired: 12/28/2009 9:57:02 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2477	.2404	.2526	.2488	.2448	.25035	.2487	.2454	.2469
Stddev	.0008	.0017	.0021	.0038	.0008	.00014	.0031	.0006	.0047
%RSD	.3186	.7011	.8259	1.516	.3439	.05727	1.258	.2344	1.900

#1	.2482	.2404	.2497	.2502	.2454	.25039	.2525	.2449	.2451
#2	.2480	.2395	.2547	.2431	.2442	.25024	.2476	.2462	.2480
#3	.2480	.2390	.2529	.2510	.2440	.25054	.2497	.2454	.2528
#4	.2465	.2428	.2530	.2507	.2457	.25023	.2451	.2451	.2417

Check ?	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2468	.2475	.2439	.2473	.2475	.2465	.2453	.2462	.2613
Stddev	.0009	.0017	.0006	.0008	.0038	.0013	.0136	.0003	.0012
%RSD	.3560	.6899	.2313	.3149	1.541	.5138	5.541	.1180	.4474

#1	.2469	.2475	.2436	.2478	.2455	.2456	.2479	.2461	.2628
#2	.2474	.2458	.2445	.2468	.2521	.2455	.2599	.2464	.2609
#3	.2455	.2468	.2433	.2480	.2435	.2466	.2466	.2459	.2600
#4	.2472	.2498	.2442	.2464	.2490	.2482	.2270	.2465	.2615

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	None	Chk Pass	None
Value									
Range									

Sample Name: CCVA1 Acquired: 12/28/2009 9:57:02 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2516	.2529	.2463	.2461	2.539	.2532	.2498	.2655	.2441
Stddev	.0007	.0005	.0003	.0002	.013	.0020	.0012	.0095	.0017
%RSD	.2820	.2128	.1261	.0934	.5086	.7796	.4882	3.592	.7015
#1	.2509	.2531	.2466	.2463	2.522	.2516	.2506	.2745	.2423
#2	.2512	.2536	.2460	.2459	2.539	.2527	.2484	.2548	.2429
#3	.2518	.2523	.2460	.2458	2.552	.2561	.2511	.2600	.2458
#4	.2525	.2527	.2464	.2462	2.545	.2524	.2492	.2724	.2453

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2484	.2447	-.0041	.1239	.2469	.2451	.0009	.00002
Stddev	.0009	.0014	.0039	.0023	.0004	.0031	.0010	.00004
%RSD	.3600	.5874	95.38	1.848	.1693	1.255	111.6	235.65
#1	.2491	.2439	-.0007	.1220	.2467	.2438	.0018	.00001
#2	.2473	.2443	-.0091	.1258	.2475	.2415	.0018	.00006
#3	.2491	.2438	-.0054	.1259	.2465	.2471	-.0001	-.00003
#4	.2481	.2468	-.0013	.1219	.2469	.2482	.0002	.00003

Check ?	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass	None	None
Value								
Range								

Sample Name: CCVA1 Acquired: 12/28/2009 9:57:02 Type: QC
Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
Comment:

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1723.5	56629.	6987.0	579.81
Stddev	2.0	225.	36.4	2.40
%RSD	.11375	.39805	.52158	.41471
#1	1726.2	56741.	7017.1	581.67
#2	1722.6	56420.	6941.7	580.72
#3	1723.7	56891.	7016.0	580.56
#4	1721.6	56463.	6973.4	576.28

Sample Name: CCVB1 Acquired: 12/28/2009 10:01:17 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.356	9.949	.0036	.9941	9.763	.00000	.0001	.0001
Stddev	.018	.072	.0013	.0034	.135	.00011	.0010	.0001
%RSD	.2465	.7201	36.57	.3393	1.378	5533.5	1626.	63.19
#1	7.343	10.03	.0047	.9985	9.587	.00010	.0008	.0000
#2	7.358	9.973	.0019	.9949	9.789	.00009	-.0010	.0001
#3	7.344	9.937	.0046	.9919	9.913	-.00011	.0011	.0002
#4	7.381	9.857	.0031	.9910	9.765	-.00007	-.0006	.0002

Check ?	None	Chk Pass	None	Chk Pass	Chk Pass	None	None	None
Value								
Range								

Elem	Ca3158	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.961	-.0005	-.0002	-.0002	9.896	.0001	10.16	10.47
Stddev	.025	.0006	.0001	.0004	.026	.0016	.03	.06
%RSD	.2505	118.1	87.36	200.1	.2604	2011.	.2708	.5395
#1	9.953	-.0009	-.0002	-.0004	9.888	-.0009	10.15	10.50
#2	9.949	.0003	.0000	-.0001	9.865	-.0012	10.15	10.52
#3	9.944	-.0007	-.0002	-.0005	9.904	.0000	10.14	10.46
#4	9.998	-.0005	-.0002	.0003	9.926	.0024	10.20	10.39

Check ?	Chk Pass	None	None	None	Chk Pass	None	Chk Pass	Chk Pass
Value								
Range								

Sample Name: CCVB1 Acquired: 12/28/2009 10:01:17 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	-.0001	.0000	.0001	10.22	.0026	.0002	10.43
Stddev	.0001	.0007	.000	.0002	.06	.0015	.0002	.07
%RSD	22.45	791.6	1175.	227.0	.6015	57.60	113.2	.7085

#1	.0005	.0002	-.0003	-.0001	10.25	.0025	.0001	10.50
#2	.0003	.0007	.0001	.0002	10.29	.0005	.0005	10.49
#3	.0004	-.0009	.0002	.0004	10.21	.0035	.0001	10.38
#4	.0005	-.0004	.0000	-.0001	10.14	.0039	.0001	10.35

Check ?	None	None	None	None	Chk Pass	None	None	Chk Pass
Value Range								

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0001	.0006	9.894	10.18	.0007	-.0004	F 1.061
Stddev	.001	.0002	.0002	.039	.04	.0002	.0011	.007
%RSD	18120.	279.3	32.74	.3923	.3898	26.35	295.3	.6808

#1	-.0010	-.0003	.0003	9.925	10.19	.0008	-.0001	1.066
#2	.0002	.0002	.0007	9.840	10.22	.0005	.0010	1.065
#3	.0008	.0000	.0007	9.919	10.18	.0006	-.0014	1.061
#4	-.0001	-.0003	.0008	9.893	10.13	.0009	-.0010	1.050

Check ?	None	None	None	Chk Pass	Chk Pass	None	None	Chk Fail
Value Range								1.000 5.000%

Sample Name: CCVB1 Acquired: 12/28/2009 10:01:17 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem Sr4077
 Units ppm
 Avg .99366
 Stddev .00142
 %RSD .14318

#1 .99504
 #2 .99472
 #3 .99271
 #4 .99219

Check ? Chk Pass
 Value
 Range

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1703.0	55786.	7003.3	555.98
Stddev	2.4	166.	51.3	1.07
%RSD	.14035	.29738	.73293	.19241

#1	1703.2	56028.	7027.3	557.21
#2	1704.3	55761.	7056.1	554.61
#3	1704.8	55679.	6993.0	555.97
#4	1699.5	55677.	6936.7	556.12

Sample Name: CCB1 Acquired: 12/28/2009 10:06:21 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209

Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	-.0009	.0036	.0012	.0001	.00003	-.0007	-.0001	.0065
Stddev	.0002	.0002	.0034	.0022	.0001	.00005	.0000	.0001	.0067
%RSD	95.73	17.67	92.39	175.8	132.1	193.41	4.206	92.18	103.6
#1	-.0001	-.0008	.0060	.0028	.0002	.00007	-.0006	-.0001	.0112
#2	-.0004	-.0010	.0013	-.0003	.0000	-.00001	-.0007	.0000	.0017

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	-.0002	-.0001	-.0010	.0021	.0014	-.0021	.0003	.0011
Stddev	.0000	.0001	.0000	.0009	.0020	.0002	.0099	.0001	.0007
%RSD	7.632	47.17	41.00	93.04	94.46	15.95	482.9	24.81	68.57
#1	.0005	-.0001	-.0001	-.0017	.0035	.0015	.0050	.0003	.0016
#2	.0005	-.0002	-.0001	-.0003	.0007	.0012	-.0091	.0002	.0006

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0003	.0003	-.0004	-.0035	.0048	.0001	.0095	-.0001
Stddev	.000	.0011	.0001	.0004	.0391	.0031	.0000	.0025	.0006
%RSD	2597.	313.8	28.01	100.2	1104.	64.77	45.15	26.70	421.6
#1	-.0001	.0004	.0003	-.0006	.0241	.0026	.0001	.0113	-.0006
#2	.0000	-.0011	.0002	-.0001	-.0312	.0070	.0001	.0077	.0003

Check ? Chk Pass None Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Sample Name: CCB1 Acquired: 12/28/2009 10:06:21 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0002	-.0002	-.0126	.0002	.0012	.0010	.00006
Stddev	.0005	.0001	.0071	.0020	.0002	.0010	.0002	.00005
%RSD	231.5	52.52	3153.	15.57	97.16	87.80	22.74	84.327

#1	.0006	.0002	-.0053	-.0140	.0000	.0004	.0009	.00009
#2	-.0002	.0001	.0048	-.0112	.0003	.0019	.0012	.00002

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1716.7	56659.	6887.4	576.98
Stddev	3.4	64.	30.0	.42
%RSD	.19716	.11215	.43487	.07244

#1	1714.3	56614.	6908.6	576.69
#2	1719.1	56704.	6866.2	577.28

Sample Name: CRI Acquired: 12/28/2009 10:11:27 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment: ICP6-80-A

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0499	.0481	.0532	.0998	.0048	.00543	.0490	.0048	.0493
Stddev	.0002	.0009	.0022	.0018	.0001	.00008	.0011	.0001	.0018
%RSD	.3917	1.866	4.104	1.822	1.093	1.5008	2.335	2.487	3.612

#1	.0500	.0488	.0517	.0985	.0048	.00549	.0482	.0047	.0505
#2	.0497	.0475	.0548	.1010	.0048	.00537	.0498	.0049	.0480

Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0499	.0044	.0095	.0099	.0201	.0511	.0053	.0200	.0221
Stddev	.0001	.0001	.0001	.0006	.0002	.0005	.0044	.0001	.0007
%RSD	.2830	2.003	.9047	5.954	1.168	1.059	83.85	.3188	3.252

#1	.0498	.0045	.0095	.0095	.0200	.0507	.0022	.0201	.0226
#2	.0500	.0043	.0096	.0103	.0203	.0514	.0084	.0200	.0216

Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value Range									

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049	.0044	.0098	.0197	.4064	.1039	.0103	.2049	.0495
Stddev	.0000	.0007	.0000	.0001	.0065	.0002	.0002	.0021	.0013
%RSD	.9965	15.04	.1011	.4257	1.611	.1756	2.239	1.012	2.640

#1	.0049	.0048	.0098	.0196	.4110	.1040	.0101	.2035	.0485
#2	.0049	.0039	.0098	.0197	.4017	.1038	.0105	.2064	.0504

Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

Sample Name: CRI Acquired: 12/28/2009 10:11:27 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment: ICP6-80-A

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0099	.0098	.1893	.4064	.0103	.2003	.0118	.00990
Stddev	.0003	.0001	.0057	.0077	.0001	.0007	.0003	.00004
%RSD	3.002	.5190	3.011	1.904	1.136	.3484	2.872	.39236
#1	.0101	.0098	.1852	.4009	.0104	.1998	.0121	.00988
#2	.0097	.0098	.1933	.4119	.0102	.2008	.0116	.00993

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 Value
 Range

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1715.5	56440.	6967.9	577.00
Stddev	.8	166.	85.4	.32
%RSD	.04598	.29474	1.2254	.05501
#1	1716.1	56322.	6907.5	576.77
#2	1715.0	56557.	7028.3	577.22

Sample Name: CRI Acquired: 12/28/2009 10:14:32 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment: ICAP ICP6-85-B 0.1/10

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	.0023	.0126	.0119	.0020	.00027	.0093	.0004	.0055
Stddev	.0000	.0006	.0004	.0028	.0000	.00007	.0001	.0000	.0051
%RSD	.7198	25.88	3.538	23.61	2.207	25.122	1.261	1.605	93.09
#1	.0017	.0019	.0129	.0139	.0020	.00022	.0093	.0004	.0019
#2	.0016	.0027	.0123	.0099	.0020	.00032	.0094	.0004	.0091
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value Range									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0050	.0018	.0008	.0013	.0109	.0111	-.0064	.0022	.0019
Stddev	.0000	.0001	.0003	.0000	.0011	.0006	.0143	.0001	.0004
%RSD	.0503	7.599	32.14	3.935	10.51	5.192	224.7	4.193	20.55
#1	.0050	.0017	.0010	.0013	.0117	.0115	.0038	.0022	.0022
#2	.0050	.0019	.0006	.0012	.0101	.0107	-.0165	.0021	.0016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	None
Value Range									

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.0007	.0021	.0021	.0882	.0202	.0026	.2096	.0096
Stddev	.0000	.0006	.0002	.0000	.0209	.0022	.0004	.0084	.0011
%RSD	.0315	89.36	11.00	1.150	23.64	11.10	15.50	4.002	11.59
#1	.0006	.0011	.0019	.0021	.1030	.0218	.0023	.2155	.0088
#2	.0006	.0002	.0023	.0021	.0735	.0186	.0028	.2036	.0104
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range									

Sample Name: CRI Acquired: 12/28/2009 10:14:32 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment: ICAP ICP6-85-B 0.1/10

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0021	.0021	.0142	.0442	.0013	.0110	.0113	.00021
Stddev	.0006	.0003	.0012	.0012	.0000	.0000	.0007	.00002
%RSD	29.23	13.90	8.114	2.687	1.976	.1479	6.501	7.8299

#1	.0026	.0018	.0134	.0434	.0013	.0110	.0118	.00019
#2	.0017	.0023	.0150	.0451	.0013	.0110	.0108	.00022

Check ? Value Range	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1713.5	56700.	6958.6	574.75
Stddev	.5	87.	11.7	.02
%RSD	.03191	.15328	.16820	.00328

#1	1713.9	56762.	6966.8	574.74
#2	1713.1	56639.	6950.3	574.76

Sample Name: ICSA Acquired: 12/28/2009 10:17:14 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment: ICP6-90-B

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.48	477.6	.0131	-.0104	.0004	-.00026	.0097	.0052
Stddev	.05	2.0	.0006	.0031	.0000	.00007	.0025	.0003
%RSD	.2074	.4223	4.895	29.47	3.539	28.416	25.52	5.048

#1	24.44	476.2	.0136	-.0082	.0004	-.00021	.0114	.0050
#2	24.52	479.0	.0127	-.0125	.0004	-.00032	.0079	.0054

Check ? Value Range	None	Chk Pass	None	None	None	None	None	None
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Elem	Ca3158	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	457.0	.0000	.0011	.0091	178.9	.0045	515.1	431.6
Stddev	8.9	.000	.0001	.0001	.7	.0012	1.5	2.6
%RSD	1.954	1775.	8.749	1.578	.4015	27.31	.2816	.6090

#1	450.7	-.0001	.0012	.0092	178.4	.0054	516.2	429.7
#2	463.3	.0001	.0011	.0090	179.4	.0036	514.1	433.4

Check ? Value Range	Chk Pass	None	None	None	Chk Pass	None	Chk Pass	None
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Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0204	.0141	-.0014	-.0002	.0005	-.0049	-.0004	.0245
Stddev	.0001	.0001	.0001	.0001	.0152	.0106	.0002	.0006
%RSD	.4430	.5628	7.159	51.18	2855.	216.9	49.71	2.559

#1	.0205	.0142	-.0014	-.0001	-.0102	.0026	-.0002	.0250
#2	.0204	.0141	-.0013	-.0003	.0113	-.0124	-.0005	.0241

Check ? Value Range	None	None	None	None	None	None	None	None
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Sample Name: ICSA Acquired: 12/28/2009 10:17:14 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment: ICP6-90-B

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0030	.0021	.0131	.0758	-.0262	.0106	-.0038	.0122
Stddev	.0023	.0005	.0001	.0018	.0001	.0001	.0020	.0004
%RSD	76.16	25.22	.6846	2.437	.3222	.7873	53.12	3.275

#1	.0046	.0018	.0132	.0771	-.0262	.0106	-.0024	.0119
#2	.0014	.0025	.0130	.0745	-.0261	.0107	-.0052	.0124

Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Elem	Sr4077
Units	ppm
Avg	.00612
Stddev	.00008
%RSD	1.2952

#1	.00617
#2	.00606

Check ?	None
Value	
Range	

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1516.6	49318.	6723.2	450.50
Stddev	5.1	82.	53.0	.06
%RSD	.33373	.16728	.78862	.01328

#1	1520.2	49376.	6760.7	450.46
#2	1513.0	49260.	6685.8	450.54

Sample Name: ICSAB Acquired: 12/28/2009 10:20:57 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment: ICP6-88-A

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.61	478.2	.9190	-.0186	.4919	.47237	.0081	.8857	478.9
Stddev	.09	.5	.0024	.0000	.0017	.00287	.0010	.0022	12.2
%RSD	.3506	.1055	.2597	.1506	.3533	.60855	12.25	.2459	2.556

#1	24.55	478.5	.9206	-.0185	.4932	.47440	.0074	.8842	487.5
#2	24.67	477.8	.9173	-.0186	.4907	.47034	.0088	.8873	470.2

Check ? Value Range	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
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Elem	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2852	Mn2576	Mn2605
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4816	.4489	.4752	181.3	.9957	525.6	432.7	.4922	.5167
Stddev	.0002	.0005	.0073	.8	.0035	.2	6.1	.0011	.0002
%RSD	.0497	.1094	1.538	.4607	.3493	.0293	1.400	.2185	.0293

#1	.4815	.4485	.4803	181.9	.9932	525.4	428.4	.4915	.5166
#2	.4818	.4492	.4700	180.7	.9981	525.7	437.0	.4930	.5168

Check ? Value Range	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
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Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0016	.8700	-.0147	.0040	.9329	.0136	.0045	.5039	1.000
Stddev	.0005	.0000	.0104	.0039	.0124	.0056	.0007	.0016	.001
%RSD	28.52	.0045	71.17	97.20	1.333	41.50	16.02	.3102	.1002

#1	-.0019	.8700	-.0073	.0067	.9417	.0096	.0050	.5051	.9997
#2	-.0013	.8700	-.0221	.0012	.9241	.0176	.0040	.5028	1.001

Check ? Value Range	None	Chk Pass	None	None	Chk Pass	None	None	Chk Pass	Chk Pass
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Sample Name: ICSAB Acquired: 12/28/2009 10:20:57 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment: ICP6-88-A

Elem	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1040	-.0092	.0598	-.0023	.0132	.00600
Stddev	.0091	.0005	.0000	.0013	.0000	.00003
%RSD	8.704	5.584	.0522	54.58	.2349	.46421

#1	.1104	-.0096	.0598	-.0032	.0132	.00598
#2	.0976	-.0088	.0598	-.0014	.0132	.00602

Check ?	None	None	None	None	None	None
Value						
Range						

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1512.4	49217.	6654.7	449.77
Stddev	1.1	242.	29.8	1.05
%RSD	.07480	.49188	.44759	.23262

#1	1513.2	49388.	6633.6	450.51
#2	1511.6	49046.	6675.8	449.03

Sample Name: RB Acquired: 12/28/2009 10:25:24 Type: Unk
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	F .0006	.0004	.0027	F .0000	.00004	F .0000	.0000
#1	-.0004	.0003	.0009	.0039	.0000	-.00002	.0011	.0000
#2	.0003	.0009	-.0001	.0014	.0000	.00011	-.0011	.0001
Elem	Ca3158	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0005	F -.0009	-.0002	-.0013	F .0063	-.0003	F .0020	-.0001
#1	-.0024	-.0010	.0000	-.0011	.0077	-.0001	.0029	-.0001
#2	.0013	-.0009	-.0005	-.0015	.0049	-.0004	.0011	-.0001
Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	-.0001	.0136	.0036	.0004	.0021	.0004	.0001
#1	-.0003	-.0001	.0277	.0039	.0005	-.0033	.0004	-.0002
#2	-.0002	-.0001	-.0006	.0034	.0004	.0075	.0003	.0004
Elem	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	F .0017	-.0003	-.0114	.0001	.0012	.0011	-.00001	
#1	.0019	-.0020	-.0156	.0002	.0005	.0009	.00004	
#2	.0016	.0013	-.0071	.0001	.0020	.0013	-.00007	
Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	1741.3	57489.	7060.7	581.18				
#1	1741.0	57380.	7035.7	581.17				
#2	1741.5	57599.	7085.8	581.19				

Sample Name: K0912282-MB Acquired: 12/28/2009 10:28:05 Type: Unk
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	-.0013	.0011	.0025	.0001	-.00001	-.0007	.0000
#1	-.0003	-.0018	.0011	.0008	.0001	-.00007	.0003	-.0001
#2	.0002	-.0007	.0011	.0042	.0001	.00004	-.0016	.0001
Elem	Ca3158	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0059	-.0001	-.0003	-.0014	.0001	.0001	.0008	.0000
#1	.0003	-.0001	-.0006	-.0014	-.0010	.0002	.0015	.0000
#2	.0116	-.0002	-.0001	-.0015	.0012	-.0001	.0001	.0000
Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	-.0002	.0301	.0034	.0005	-.0045	-.0007	-.0003
#1	-.0001	.0000	.0354	.0052	.0009	.0020	-.0002	-.0005
#2	-.0001	-.0003	.0249	.0017	.0000	-.0111	-.0012	-.0001
Elem	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	.0001	F .2383	-.0126	.0003	.0002	.0008	.00005	
#1	.0000	.2374	-.0117	.0003	.0005	.0009	.00002	
#2	.0002	.2392	-.0136	.0003	-.0001	.0008	.00008	
Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	1759.8	57940.	7041.8	580.99				
#1	1760.1	58129.	7084.5	579.67				
#2	1759.6	57751.	6999.2	582.31				

Sample Name: LCSW Acquired: 12/28/2009 10:30:37 Type: Unk
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.900	2.528	2.511	4.877	.12761	1.011	1.194	12.16
#1	4.893	2.529	2.505	4.884	.12780	1.007	1.191	12.19
#2	4.908	2.528	2.517	4.870	.12742	1.016	1.197	12.13
Elem	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5009	1.216	.6273	2.456	2.496	12.98	1.230	.9960
#1	.5024	1.215	.6254	2.469	2.489	13.01	1.237	.9943
#2	.4994	1.217	.6291	2.442	2.503	12.95	1.222	.9977
Elem	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.201	12.80	2.414	.6161	12.82	F -.0011	1.250	1.274
#1	1.199	12.85	2.421	.6134	12.83	-.0013	1.259	1.267
#2	1.203	12.74	2.406	.6187	12.82	-.0009	1.241	1.282
Elem	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077		
Units	ppm	ppm	ppm	ppm	ppm	ppm		
Avg	.2365	-.0122	.0004	2.516	.0005	.00053		
#1	.2301	-.0083	.0004	2.511	-.0001	.00053		
#2	.2429	-.0162	.0004	2.522	.0011	.00053		
Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	1744.0	56818.	7085.1	561.21				
#1	1744.8	56653.	7089.0	562.21				
#2	1743.2	56983.	7081.2	560.20				

Sample Name: K0912282-001 Acquired: 12/28/2009 10:33:41 Type: Unk
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7549	.7998	.0001	.0019	.0355	.00002	.1663	.0000

#1	.7527	.8007	.0006	.0024	.0356	.00011	.1663	.0000
#2	.7572	.7989	-.0005	.0015	.0355	-.00006	.1663	.0000

Elem	Ca3158	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 53.16	F .0008	.0004	.0029	8.438	.0020	F 21.58	1.888

#1	53.11	.0008	.0001	.0029	8.432	.0020	21.47	1.886
#2	53.21	.0008	.0006	.0029	8.443	.0019	21.70	1.889

Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.0009	13.73	.0054	.0003	119.5	.0007	.0024

#1	.0012	.0012	13.68	.0068	.0000	118.9	.0005	.0025
#2	.0006	.0005	13.77	.0039	.0006	120.0	.0010	.0023

Elem	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0110	.4158	15.19	.0343	-.0008	.0086	.38278

#1	.0109	.4125	15.18	.0339	.0002	.0091	.38277
#2	.0110	.4191	15.20	.0347	-.0018	.0081	.38280

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1681.2	55007.	7063.6	524.77

#1	1686.2	55019.	7052.3	524.99
#2	1676.3	54995.	7074.9	524.55

Sample Name: K0912282-001D Acquired: 12/28/2009 10:37:12 Type: Unk

Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000

User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209

Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7670	.8089	.0022	.0048	.0359	.00002	.1651	.0002	53.19

#1	.7652	.8029	.0018	.0053	.0357	.00003	.1645	.0002	53.09
#2	.7689	.8150	.0026	.0043	.0361	.00000	.1657	.0002	53.30

Elem	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576	Mo2020	Ni2216
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	.0003	.0036	8.487	.0027	21.80	1.897	.0006	.0012

#1	.0004	.0003	.0037	8.472	.0023	21.91	1.902	.0006	.0012
#2	.0008	.0002	.0035	8.502	.0032	21.69	1.892	.0005	.0012

Elem	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062	P_2149	Si2516
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.86	.0028	.0004	120.5	-.0007	.0022	.0106	.4225	15.35

#1	13.96	.0020	.0005	121.7	.0007	.0022	.0106	.4196	15.42
#2	13.77	.0036	.0002	119.3	-.0020	.0022	.0106	.4254	15.28

Elem	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm
Avg	.0350	-.0008	.0085	.38532

#1	.0348	-.0011	.0089	.38507
#2	.0353	-.0004	.0081	.38558

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1663.9	54544.	7079.9	520.33

#1	1664.4	54388.	7145.6	520.73
#2	1663.4	54700.	7014.1	519.93

Sample Name: K0912282-001S Acquired: 12/28/2009 10:40:42 Type: Unk

Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000

User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209

Comment:

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.936	.4895	1.005	2.006	.05035	1.177	.0479	F 54.49

#1	2.927	.4877	1.002	2.009	.05052	1.180	.0478	54.36
#2	2.945	.4914	1.007	2.003	.05018	1.175	.0480	54.62

Elem	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2004	.4869	.2479	9.669	.5100	F 22.02	2.429	1.007

#1	.2000	.4862	.2491	9.670	.5087	22.10	2.429	1.004
#2	.2007	.4875	.2468	9.667	.5113	21.94	2.430	1.010

Elem	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4786	13.95	.9478	.0486	121.0	.0001	.5119	.5269

#1	.4781	14.03	.9454	.0486	121.6	-.0001	.5114	.5244
#2	.4791	13.88	.9502	.0487	120.4	.0003	.5124	.5294

Elem	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4441	15.89	.0439	1.007	.0089	.39334

#1	.4424	15.96	.0435	.9994	.0085	.39311
#2	.4458	15.82	.0442	1.015	.0093	.39358

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1662.8	54475.	6996.5	520.90

#1	1662.1	54449.	7040.0	522.32
#2	1663.4	54501.	6952.9	519.48

Sample Name: CCVA2 Acquired: 12/28/2009 10:44:06 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209

Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2426	.2323	.2535	.2558	.2433	.25299	.2454	.2443	.2393
Stddev	.0002	.0010	.0043	.0027	.0008	.00054	.0015	.0013	.0048
%RSD	.0922	.4292	1.711	1.070	.3485	.21510	.5951	.5134	2.012
#1	.2424	.2330	.2504	.2577	.2427	.25338	.2464	.2434	.2359
#2	.2427	.2316	.2566	.2538	.2439	.25261	.2444	.2451	.2427
Check ?	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass	None
Value Range									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2456	.2454	.2444	.2477	.2476	.2476	.2607	.2457	.2655
Stddev	.0009	.0012	.0016	.0003	.0038	.0001	.0068	.0007	.0020
%RSD	.3725	.4732	.6454	.1409	1.546	.0283	2.618	.2803	.7384
#1	.2450	.2462	.2433	.2480	.2503	.2476	.2559	.2452	.2641
#2	.2463	.2446	.2456	.2475	.2449	.2477	.2655	.2462	.2669
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	None	Chk Pass	None
Value Range									

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2486	.2573	.2434	.2445	2.588	.2536	.2489	.2667	.2509
Stddev	.0008	.0002	.0006	.0006	.024	.0007	.0011	.0003	.0003
%RSD	.3391	.0928	.2522	.2295	.9337	.2615	.4586	.0938	.1116
#1	.2492	.2571	.2430	.2441	2.606	.2531	.2497	.2669	.2511
#2	.2480	.2574	.2439	.2449	2.571	.2541	.2481	.2665	.2507
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass
Value Range									

Sample Name: CCVA2 Acquired: 12/28/2009 10:44:06 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2443	.2508	-.0050	.1189	.2453	.2454	.0003	.00008
Stddev	.0004	.0014	.0091	.0027	.0007	.0009	.0009	.00004
%RSD	.1668	.5695	181.6	2.276	.2960	.3498	324.6	48.940

#1	.2440	.2498	-.0114	.1170	.2458	.2448	-.0004	.00005
#2	.2446	.2519	.0014	.1208	.2448	.2460	.0009	.00011

Check ?	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass	None	None
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1757.9	57626.	7151.5	580.80
Stddev	9.9	35.	37.2	2.66
%RSD	.56492	.06059	.52029	.45777

#1	1764.9	57651.	7177.9	582.68
#2	1750.9	57601.	7125.2	578.92

Sample Name: CCVB2 Acquired: 12/28/2009 10:47:05 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.231	9.550	.0043	1.000	9.419	.00003	.0001	.0002	9.760
Stddev	.027	.098	.0013	.005	.227	.00007	.0013	.0000	.018
%RSD	.3710	1.026	30.39	.4733	2.414	226.74	957.8	16.12	.1884

#1	7.212	9.481	.0034	.9971	9.580	-.00002	-.0008	.0002	9.773
#2	7.250	9.619	.0053	1.004	9.258	.00008	.0011	.0002	9.747

Check ?	None	Chk Pass	None	Chk Pass	Chk Pass	None	None	None	Chk Pass
Value Range									

Elem	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2852	Mn2576	Mn2605
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0003	-.0011	9.747	.0013	10.05	10.55	.0004	-.0009
Stddev	.0009	.0000	.0001	.024	.0000	.04	.06	.0000	.0002
%RSD	363.4	10.99	12.83	.2437	1.647	.4379	.6030	9.398	27.76

#1	-.0008	.0003	-.0010	9.764	.0013	10.08	10.51	.0004	-.0011
#2	.0004	.0003	-.0012	9.730	.0013	10.02	10.60	.0004	-.0007

Check ?	None	None	None	Chk Pass	None	Chk Pass	Chk Pass	None	None
Value Range									

Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0003	10.42	-.0003	-.0001	10.57	-.0008	.0002	.0007
Stddev	.0002	.0000	.10	.0016	.0003	.08	.0006	.0002	.0002
%RSD	606.6	4.600	1.005	450.5	411.3	.7169	74.40	126.0	27.28

#1	-.0001	.0003	10.35	.0008	.0002	10.52	-.0012	.0004	.0006
#2	.0002	.0003	10.49	-.0015	-.0003	10.63	-.0004	.0000	.0009

Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value Range									

Sample Name: CCVB2 Acquired: 12/28/2009 10:47:05 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.952	10.31	.0009	-.0005	1.066	.96972
Stddev	.054	.06	.0002	.0003	.009	.00220
%RSD	.5454	.5868	18.41	49.94	.8078	.22717

#1	9.914	10.27	.0010	-.0003	1.059	.96816
#2	9.991	10.36	.0008	-.0007	1.072	.97128

Check ?	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1728.9	56479.	7220.2	555.64
Stddev	6.3	243.	57.9	1.24
%RSD	.36308	.43056	.80152	.22315

#1	1733.4	56307.	7179.3	556.52
#2	1724.5	56650.	7261.1	554.76

Sample Name: CCB2 Acquired: 12/28/2009 10:50:21 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	-.0021	.0012	.0019	.0004	.00002	-.0003	.0000	.0030
Stddev	.0002	.0014	.0021	.0003	.0001	.00006	.0006	.0000	.0016
%RSD	50.16	66.82	168.5	16.57	20.77	328.27	224.7	49.37	54.87

#1	-.0002	-.0011	-.0002	.0016	.0005	-.00003	-.0007	.0000	.0018
#2	-.0004	-.0031	.0027	.0021	.0004	.00006	.0002	.0000	.0041

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	-.0003	-.0005	-.0014	.0002	.0004	-.0002	.0005	.0015
Stddev	.0001	.0002	.0001	.0000	.0011	.0001	.0090	.0001	.0005
%RSD	17.04	57.22	24.48	3.051	572.4	15.37	3884.	15.98	31.34

#1	.0006	-.0002	-.0004	-.0015	-.0006	.0005	-.0066	.0005	.0019
#2	.0005	-.0004	-.0006	-.0014	.0010	.0004	.0062	.0004	.0012

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0002	.0002	-.0003	.0204	.0029	.0004	.0098	.0002
Stddev	.0000	.0006	.0000	.0000	.0042	.0025	.0000	.0028	.0020
%RSD	89.57	368.9	2.506	11.43	20.79	85.94	3.030	28.55	1206.

#1	.0000	.0006	.0002	-.0003	.0174	.0047	.0004	.0118	.0016
#2	.0000	-.0003	.0002	-.0004	.0234	.0011	.0004	.0078	-.0012

Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Sample Name: CCB2 Acquired: 12/28/2009 10:50:21 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	.0000	-0.0054	-0.0154	.0002	.0007	.0007	.00007
Stddev	.0001	.0001	.0022	.0022	.0000	.0019	.0004	.00001
%RSD	50.10	886.2	41.37	14.36	3.440	269.3	54.84	18.181

#1	-0.0002	-0.0001	-0.0070	-0.0138	.0002	.0021	.0004	.00008
#2	-0.0001	.0001	-0.0038	-0.0170	.0002	-0.0007	.0010	.00006

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1751.4	57380.	7109.5	591.22
Stddev	3.2	46.	26.8	1.59
%RSD	.18483	.08103	.37627	.26897

#1	1753.6	57413.	7128.4	592.35
#2	1749.1	57348.	7090.6	590.10

Sample Name: K0912282-002 Acquired: 12/28/2009 10:53:03 Type: Unk
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.533	-.0009	.0066	.0458	.00014	F .0435	.0002	7.752
#1	3.500	-.0017	.0074	.0457	.00009	.0431	.0002	7.723
#2	3.566	-.0001	.0059	.0458	.00018	.0438	.0002	7.781
Elem	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0025	.0019	.0089	10.18	.0038	3.291	.5112	.0010
#1	.0025	.0018	.0085	10.17	.0028	3.292	.5138	.0009
#2	.0024	.0020	.0093	10.20	.0048	3.290	.5087	.0011
Elem	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0026	19.65	.0049	.0003	9.432	-.0003	.0096	.0472
#1	.0024	19.57	.0070	.0002	9.393	-.0016	.0094	.0474
#2	.0028	19.72	.0028	.0003	9.470	.0010	.0099	.0469
Elem	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077		
Units	ppm	ppm	ppm	ppm	ppm	ppm		
Avg	1.004	14.29	.1300	-.0008	.0049	.06355		
#1	1.001	14.28	.1308	-.0006	.0053	.06329		
#2	1.008	14.30	.1293	-.0010	.0046	.06382		
Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	1728.9	56799.	7164.7	564.45				
#1	1731.2	56752.	7156.4	564.25				
#2	1726.5	56847.	7172.9	564.65				

Sample Name: K0912282-003 Acquired: 12/28/2009 10:56:10 Type: Unk
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7539	.8021	.0027	.0065	.0238	.00008	F .0235	.0001

#1	.7539	.8102	.0017	.0090	.0236	.00014	.0231	.0001
#2	.7539	.7940	.0037	.0039	.0239	.00003	.0239	.0001

Elem	Ca3158	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.039	F .0015	.0010	.0048	4.326	.0017	3.672	.5097

#1	9.054	.0017	.0008	.0053	4.328	.0012	3.671	.5085
#2	9.025	.0014	.0012	.0043	4.323	.0021	3.674	.5109

Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0016	9.397	.0044	-.0001	8.891	.0013	.0066

#1	.0002	.0016	9.378	.0029	-.0004	8.853	.0012	.0066
#2	.0000	.0017	9.416	.0058	.0002	8.929	.0015	.0066

Elem	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0215	.4969	6.958	.0496	.0005	.0044	.05928

#1	.0214	.5021	6.964	.0496	.0002	.0053	.05927
#2	.0216	.4917	6.952	.0497	.0008	.0035	.05929

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1739.7	56652.	7075.9	569.83

#1	1739.7	56677.	7079.6	567.64
#2	1739.8	56628.	7072.2	572.02

Sample Name: K0912282-004 Acquired: 12/28/2009 10:59:18 Type: Unk
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.183	.0031	.0057	.0555	.00012	.0564	.0005	14.10	.0060

#1	7.211	.0002	.0062	.0555	.00006	.0576	.0004	14.06	.0066
#2	7.155	.0060	.0051	.0555	.00017	.0551	.0005	14.14	.0055

Elem	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576	Mo2020	Ni2216	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0031	.0126	18.16	.0064	7.688	.8125	.0002	.0044	16.55

#1	.0029	.0124	18.13	.0071	7.727	.8158	.0002	.0044	16.65
#2	.0033	.0128	18.19	.0058	7.650	.8091	.0003	.0044	16.45

Elem	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	.0005	34.20	.0003	.0153	.0668	1.205	19.79	.3196

#1	.0002	.0004	34.41	.0004	.0153	.0667	1.202	19.88	.3208
#2	.0020	.0007	33.99	.0001	.0154	.0670	1.209	19.70	.3185

Elem	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.0002	.0083	.09555

#1	.0005	.0080	.09582
#2	-.0009	.0085	.09529

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1730.5	56756.	7351.3	554.39

#1	1728.2	56507.	7390.4	553.46
#2	1732.8	57006.	7312.3	555.32

Sample Name: K0912282-005 Acquired: 12/28/2009 11:02:29 Type: Unk
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.881	.0034	.0001	.0509	.00017	F .0475	.0003	F 20.63
#1	7.944	.0052	-.0004	.0508	.00017	.0475	.0001	20.56
#2	7.818	.0015	.0007	.0510	.00018	.0475	.0004	20.70
Elem	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0066	.0042	.0176	15.43	.0065	5.641	.7628	.0018
#1	.0070	.0045	.0178	15.39	.0058	5.656	.7626	.0018
#2	.0062	.0039	.0175	15.47	.0071	5.626	.7630	.0017
Elem	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0060	10.07	.0028	.0002	19.60	-.0008	.0204	.0626
#1	.0059	10.11	.0061	.0003	19.65	-.0003	.0208	.0619
#2	.0060	10.03	-.0004	.0002	19.55	-.0012	.0201	.0633
Elem	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077		
Units	ppm	ppm	ppm	ppm	ppm	ppm		
Avg	.6725	19.43	.3997	-.0009	.0062	.12191		
#1	.6672	19.51	.4000	-.0005	.0074	.12187		
#2	.6777	19.36	.3994	-.0012	.0050	.12196		
Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	1737.1	56559.	7333.9	560.85				
#1	1730.1	56636.	7377.8	561.53				
#2	1744.1	56482.	7290.0	560.17				

Sample Name: K0912282-006 Acquired: 12/28/2009 11:05:50 Type: Unk
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0920	.0984	.0024	.0064	.0115	.00011	.1053	.0000

#1	.0917	.0981	.0014	.0070	.0116	.00008	.1039	.0000
#2	.0923	.0987	.0034	.0057	.0115	.00014	.1067	.0001

Elem	Ca3158	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 30.56	F .0001	.0053	.0031	7.673	.0009	17.92	1.616

#1	30.53	.0002	.0050	.0029	7.673	.0018	17.96	1.616
#2	30.59	.0000	.0056	.0033	7.672	.0000	17.88	1.616

Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0033	8.880	.0028	.0001	101.3	.0001	.0014

#1	.0001	.0034	8.923	.0041	.0001	101.3	-.0009	.0011
#2	.0004	.0033	8.837	.0016	.0001	101.2	.0012	.0017

Elem	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0151	.4260	13.59	.0072	.0002	.0060	.15579

#1	.0154	.4247	13.61	.0073	.0006	.0059	.15598
#2	.0148	.4274	13.57	.0072	-.0003	.0061	.15561

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1703.2	55457.	7147.0	540.28

#1	1705.7	55264.	7156.0	540.00
#2	1700.8	55651.	7138.0	540.56

Sample Name: K0912282-007 Acquired: 12/28/2009 11:09:25 Type: Unk
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4790	.5282	.0022	.0105	.0745	.00006	.1220	.0003

#1	.4787	.5260	.0020	.0100	.0742	.00006	.1202	.0003
#2	.4794	.5305	.0025	.0110	.0749	.00005	.1238	.0003

Elem	Ca3158	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 49.45	F .0016	.0024	.0186	5.145	.0032	14.15	.7326

#1	49.44	.0014	.0026	.0187	5.130	.0035	14.03	.7298
#2	49.46	.0018	.0022	.0186	5.159	.0030	14.27	.7354

Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	.0051	29.66	.0049	.0009	48.94	-.0001	.0056

#1	.0009	.0050	29.37	.0017	.0011	48.38	.0006	.0058
#2	.0012	.0053	29.95	.0080	.0006	49.49	-.0007	.0054

Elem	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0144	1.104	14.39	.0197	-.0008	.0076	.21631

#1	.0146	1.099	14.30	.0195	.0004	.0081	.21530
#2	.0143	1.108	14.48	.0199	-.0020	.0070	.21732

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1693.7	56052.	7369.1	539.74

#1	1692.8	56137.	7323.6	539.82
#2	1694.6	55966.	7414.6	539.67

Sample Name: K0912282-008 Acquired: 12/28/2009 11:12:50 Type: Unk
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.927	.0021	.0083	.2420	.00008	.0857	.0006	F 111.0

#1	1.932	-.0005	.0074	.2424	.00004	.0861	.0005	110.7
#2	1.921	.0047	.0092	.2417	.00011	.0853	.0007	111.3

Elem	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0022	.0034	.0198	10.69	.0091	F 23.28	2.553	.0008

#1	.0020	.0031	.0198	10.64	.0098	23.51	2.550	.0008
#2	.0023	.0037	.0199	10.74	.0084	23.04	2.557	.0008

Elem	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049	73.95	.0072	.0006	42.76	.0010	.0055	.1589

#1	.0048	74.74	.0101	.0008	43.37	.0003	.0059	.1592
#2	.0051	73.16	.0044	.0005	42.16	.0017	.0051	.1587

Elem	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.920	20.42	.0592	-.0010	.0130	.44738

#1	2.911	20.60	.0586	-.0025	.0140	.44755
#2	2.929	20.24	.0597	.0005	.0120	.44721

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1669.8	54897.	7392.8	525.94

#1	1674.7	54736.	7486.9	526.23
#2	1664.8	55058.	7298.6	525.65

Sample Name: K0912282-009 Acquired: 12/28/2009 11:16:15 Type: Unk
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1406	.1482	.0042	.0028	.0579	.00000	.1933	.0002

#1	.1402	.1464	.0046	.0006	.0578	-.00002	.1935	.0002
#2	.1409	.1499	.0038	.0051	.0579	.00002	.1931	.0002

Elem	Ca3158	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 57.80	F -.0008	.0000	.0010	.2359	.0012	17.09	.0464

#1	57.52	-.0008	-.0001	.0013	.2333	.0022	17.04	.0466
#2	58.07	-.0008	.0001	.0008	.2384	.0002	17.15	.0463

Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0018	4.679	.0019	.0004	55.97	-.0013	.0008

#1	.0001	.0016	4.702	.0052	.0002	55.85	-.0019	.0005
#2	.0003	.0020	4.656	-.0013	.0007	56.09	-.0008	.0011

Elem	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0021	.3081	3.371	.0049	-.0013	.0109	.44230

#1	.0022	.3099	3.366	.0048	-.0016	.0103	.44133
#2	.0020	.3063	3.375	.0050	-.0010	.0115	.44326

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1704.7	55577.	7145.8	546.45

#1	1703.8	55622.	7152.5	547.14
#2	1705.7	55533.	7139.2	545.76

Sample Name: K0912282-010 Acquired: 12/28/2009 11:19:40 Type: Unk
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1664	.1762	.0015	.0029	.0149	.00003	.2881	.0000	20.70

#1	.1671	.1782	.0030	.0037	.0150	.00004	.2912	.0001	20.70
#2	.1657	.1742	.0000	.0022	.0148	.00002	.2851	-.0001	20.69

Elem	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576	Mo2020	Ni2216
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0010	.0000	1.673	.0011	65.86	.2849	.0000	.0009

#1	-.0008	.0009	-.0003	1.666	.0010	65.59	.2837	-.0001	.0013
#2	.0014	.0010	.0003	1.680	.0011	66.14	.2861	.0001	.0005

Elem	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062	P_2149	Si2516
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.90	-.0007	.0004	661.7	-.0019	.0004	.0033	.2651	4.330

#1	24.05	-.0033	.0005	663.4	-.0015	.0004	.0036	.2644	4.304
#2	23.76	.0019	.0002	660.0	-.0022	.0004	.0031	.2659	4.357

Elem	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm
Avg	.0045	-.0015	.0089	.37569

#1	.0044	-.0019	.0101	.37609
#2	.0046	-.0011	.0077	.37529

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1619.0	51346.	6853.3	481.02

#1	1622.4	51561.	6839.9	482.10
#2	1615.7	51131.	6866.8	479.95

Sample Name: K0912282-011 Acquired: 12/28/2009 11:23:20 Type: Unk
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4395	.4463	.0011	.0014	.0110	.00017	F .0449	.0001

#1	.4385	.4458	.0014	.0004	.0110	.00019	.0443	.0002
#2	.4405	.4469	.0008	.0024	.0109	.00015	.0455	-.0001

Elem	Ca3158	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.57	F -.0001	.0045	.0011	.4445	.0018	4.422	.1772

#1	12.57	.0001	.0042	.0011	.4472	.0019	4.418	.1779
#2	12.56	-.0003	.0047	.0010	.4417	.0017	4.425	.1764

Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0081	2.555	.0049	-.0002	18.18	-.0005	.0001

#1	-.0002	.0079	2.590	.0037	.0001	18.11	.0006	-.0001
#2	.0002	.0083	2.521	.0062	-.0004	18.24	-.0016	.0003

Elem	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0557	.3054	12.47	.0060	.0006	.0101	.05475

#1	.0562	.3013	12.52	.0062	.0002	.0101	.05487
#2	.0553	.3096	12.42	.0059	.0010	.0102	.05463

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1755.5	57019.	7235.0	575.08

#1	1757.8	56859.	7210.2	573.56
#2	1753.1	57180.	7259.9	576.60

Sample Name: CCVA3 Acquired: 12/28/2009 11:26:28 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2446	.2407	.2570	.2542	.2400	.25765	.2490	.2439	.2391
Stddev	.0001	.0000	.0003	.0016	.0008	.00074	.0020	.0010	.0002
%RSD	.0535	.0142	.1348	.6313	.3294	.28592	.8004	.3987	.0854

#1	.2445	.2406	.2573	.2531	.2394	.25713	.2476	.2432	.2392
#2	.2447	.2407	.2568	.2554	.2405	.25817	.2504	.2446	.2389

Check ?	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass	None
Value Range									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2438	.2449	.2436	.2503	.2440	.2482	.2565	.2440	.2699
Stddev	.0003	.0005	.0008	.0009	.0010	.0038	.0059	.0003	.0012
%RSD	.1218	.2168	.3402	.3504	.4267	1.544	2.281	.1271	.4407

#1	.2436	.2453	.2430	.2496	.2433	.2455	.2524	.2443	.2690
#2	.2440	.2446	.2442	.2509	.2447	.2509	.2607	.2438	.2707

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	None	Chk Pass	None
Value Range									

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2495	.2593	.2422	.2441	2.614	.2559	.2505	.3034	.2504
Stddev	.0004	.0016	.0013	.0003	.075	.0001	.0016	.0057	.0020
%RSD	.1690	.6081	.5310	.1419	2.866	.0361	.6256	1.877	.7893

#1	.2498	.2604	.2413	.2444	2.667	.2558	.2494	.2993	.2490
#2	.2492	.2582	.2431	.2439	2.561	.2560	.2516	.3074	.2518

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass
Value Range									

Sample Name: CCVA3 Acquired: 12/28/2009 11:26:28 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2444	.2508	-.0008	.1197	.2458	.2494	.0021	.00000
Stddev	.0012	.0018	.0020	.0029	.0007	.0032	.0002	.0000
%RSD	.4962	.7274	248.9	2.399	.2822	1.281	7.258	44.864

#1	.2453	.2495	-.0022	.1177	.2463	.2472	.0023	.00000
#2	.2436	.2521	.0006	.1218	.2453	.2517	.0020	.00000

Check ?	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass	None	None
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1779.3	57975.	7348.4	590.02
Stddev	1.7	205.	21.9	2.25
%RSD	.09414	.35301	.29827	.38191

#1	1780.4	57830.	7363.9	591.61
#2	1778.1	58120.	7332.9	588.42

Sample Name: CCVB3 Acquired: 12/28/2009 11:29:27 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.270	9.921	.0009	1.008	9.460	.00004	-.0017	.0001	9.769
Stddev	.010	.079	.0018	.007	.013	.00007	.0019	.0001	.007
%RSD	.1359	.7937	192.7	.6875	.1365	180.87	110.4	49.60	.0732
#1	7.263	9.865	.0022	1.004	9.451	-.00001	-.0004	.0001	9.774
#2	7.277	9.977	-.0003	1.013	9.469	.00008	-.0030	.0002	9.764
Check ?	None	Chk Pass	None	Chk Pass	Chk Pass	None	None	None	Chk Pass
Value									
Range									

Elem	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2852	Mn2576	Mn2605
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0004	-.0006	9.717	.0014	10.07	10.70	.0004	-.0008
Stddev	.0010	.0002	.0001	.020	.0004	.05	.06	.0000	.0005
%RSD	751.9	39.17	12.70	.2059	29.16	.4975	.5855	1.251	66.97
#1	.0006	.0006	-.0006	9.732	.0017	10.03	10.66	.0005	-.0004
#2	-.0008	.0003	-.0005	9.703	.0011	10.10	10.75	.0004	-.0011
Check ?	None	None	None	Chk Pass	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	-.0001	10.50	.0021	.0005	10.70	-.0009	.0002	.0005
Stddev	.0002	.0002	.05	.0027	.0004	.14	.0010	.0001	.0001
%RSD	119.9	256.0	.4837	127.3	87.96	1.261	119.5	43.95	16.07
#1	-.0003	.0001	10.46	.0041	.0002	10.61	-.0016	.0003	.0005
#2	.0000	-.0002	10.53	.0002	.0008	10.80	-.0001	.0002	.0006
Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Sample Name: CCVB3 Acquired: 12/28/2009 11:29:27 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209

Comment:

Elem	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.14	10.40	.0007	-.0012	1.073	.96345
Stddev	.01	.07	.0002	.0006	.008	.00066
%RSD	.0744	.6273	26.49	49.34	.7715	.06866

#1	10.15	10.36	.0008	-.0016	1.067	.96392
#2	10.14	10.45	.0006	-.0008	1.079	.96299

Check ?	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1759.1	57062.	7328.6	565.72
Stddev	3.4	288.	52.9	.74
%RSD	.19073	.50396	.72169	.13074

#1	1761.5	56858.	7291.2	566.24
#2	1756.8	57265.	7366.0	565.20

Sample Name: CCB3 Acquired: 12/28/2009 11:32:43 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0007	-.0010	.0029	.0006	-.00008	-.0016	.0000
Stddev	.000	.0009	.0015	.0016	.0001	.00008	.0017	.000
%RSD	864.9	139.3	150.7	55.41	15.80	105.74	109.0	42.74

#1	.0001	-.0013	-.0020	.0017	.0006	-.00014	-.0004	-.0001
#2	-.0001	.0000	.0001	.0040	.0005	-.00002	-.0028	.0000

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020	.0006	-.0002	-.0001	-.0012	.0043	.0009	-.0200
Stddev	.0026	.0000	.0006	.0003	.0007	.0005	.0014	.0018
%RSD	129.6	3.383	343.9	203.5	56.79	10.95	160.2	9.247

#1	.0002	.0006	.0002	-.0003	-.0007	.0047	-.0001	-.0187
#2	.0038	.0006	-.0006	.0001	-.0017	.0040	.0019	-.0213

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
High Limit								
Low Limit								

Elem	Mg2795	Mg2852	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0026	.0000	-.0002	.0001	-.0004	.0122	.0029
Stddev	.0001	.0011	.0001	.0009	.0003	.0001	.0234	.0014
%RSD	11.14	41.85	208.1	528.1	294.6	27.06	191.4	47.92

#1	.0008	.0019	.0000	-.0008	-.0001	-.0003	-.0043	.0019
#2	.0006	.0034	.0001	.0005	.0004	-.0005	.0287	.0038

Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB3 Acquired: 12/28/2009 11:32:43 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Ag3280	Na5895	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0278	.0001	.0001	.0001	-.0007	-.0146	.0001
Stddev	.0000	.0003	.0002	.0006	.0001	.0043	.0049	.0000
%RSD	2.827	.9341	166.3	1049.	52.40	636.6	33.87	49.93
#1	.0007	.0276	.0003	-.0004	.0001	-.0037	-.0180	.0001
#2	.0007	.0280	.0000	.0005	.0002	.0024	-.0111	.0000

Check ?	High Limit	Low Limit	High Limit	Low Limit	High Limit	Low Limit	High Limit	Low Limit
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass

Elem	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0007	.0010	.00009
Stddev	.0000	.0017	.00006
%RSD	4.202	178.4	62.300
#1	.0008	.0022	.00013
#2	.0007	-.0003	.00005

Check ?	High Limit	Low Limit	High Limit	Low Limit
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1781.9	58308.	7298.9	592.22
Stddev	3.9	208.	137.1	.66
%RSD	.21834	.35733	1.8788	.11091
#1	1784.6	58161.	7201.9	592.69
#2	1779.1	58456.	7395.9	591.76

Sample Name: CCVA4 Acquired: 12/28/2009 11:36:16 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2430	.2409	.2580	.2556	.2394	.25487	.2488	.2421	.2453
Stddev	.0009	.0038	.0004	.0030	.0010	.00105	.0034	.0001	.0083
%RSD	.3853	1.570	.1586	1.182	.4083	.41212	1.370	.0215	3.368

#1	.2424	.2436	.2583	.2534	.2401	.25413	.2512	.2420	.2511
#2	.2437	.2382	.2577	.2577	.2387	.25561	.2463	.2421	.2394

Check ?	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass	None
Value Range									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2425	.2430	.2411	.2491	.2440	.2466	.2545	.2439	.2676
Stddev	.0001	.0001	.0002	.0002	.0058	.0006	.0056	.0007	.0042
%RSD	.0350	.0600	.0712	.0753	2.377	.2331	2.182	.2757	1.557

#1	.2426	.2429	.2409	.2492	.2399	.2462	.2506	.2435	.2705
#2	.2425	.2431	.2412	.2490	.2481	.2470	.2585	.2444	.2646

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	None	Chk Pass	None
Value Range									

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2457	.2566	.2413	.2419	2.595	.2577	.2502	.2890	.2486
Stddev	.0007	.0029	.0003	.0010	.005	.0002	.0006	.0029	.0000
%RSD	.2670	1.117	.1044	.4004	.1951	.0794	.2302	1.010	.0086

#1	.2453	.2586	.2411	.2412	2.599	.2578	.2506	.2869	.2486
#2	.2462	.2545	.2415	.2426	2.592	.2575	.2498	.2910	.2486

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass
Value Range									

Sample Name: CCVA4 Acquired: 12/28/2009 11:36:16 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209

Comment:

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2428	.2481	-.0070	.1199	.2430	.2437	.0023	.00001
Stddev	.0014	.0019	.0091	.0025	.0006	.0002	.0028	.00004
%RSD	.5655	.7538	130.6	2.053	.2539	.0828	124.1	726.30
#1	.2419	.2468	-.0134	.1182	.2435	.2436	.0003	.00004
#2	.2438	.2494	-.0005	.1217	.2426	.2438	.0042	-.00003

Check ?	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass	None	None
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1792.4	58170.	7288.4	593.74
Stddev	4.9	165.	94.3	.30
%RSD	.27562	.28312	1.2937	.05134
#1	1788.9	58054.	7355.0	593.53
#2	1795.9	58287.	7221.7	593.96

Sample Name: CCVB4 Acquired: 12/28/2009 11:39:13 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.270	9.889	.0020	1.022	9.728	.00002	.0001	.0002	9.814
Stddev	.053	.041	.0002	.001	.042	.00000	.0001	.0001	.008
%RSD	.7291	.4108	8.282	.1301	.4318	24.286	71.55	44.89	.0829

#1	7.308	9.917	.0019	1.021	9.757	.00002	.0000	.0001	9.809
#2	7.233	9.860	.0021	1.023	9.698	.00002	.0001	.0002	9.820

Check ?	None	Chk Pass	None	Chk Pass	Chk Pass	None	None	None	Chk Pass
Value									
Range									

Elem	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2852	Mn2576	Mn2605
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	.0006	-.0017	9.791	.0031	10.03	10.66	.0004	-.0004
Stddev	.0003	.0004	.0005	.010	.0003	.01	.03	.0000	.0015
%RSD	48.00	64.40	30.67	.1043	10.73	.1426	.2632	9.007	346.0

#1	-.0004	.0009	-.0013	9.799	.0028	10.02	10.64	.0004	.0006
#2	-.0007	.0003	-.0021	9.784	.0033	10.04	10.68	.0005	-.0015

Check ?	None	None	None	Chk Pass	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0000	10.43	.0019	.0007	10.48	-.0017	.0003	.0007
Stddev	.0002	.0000	.01	.0006	.0003	.04	.0003	.0002	.0001
%RSD	58.11	3748.	.0664	33.20	43.00	.4245	17.62	72.90	20.84

#1	.0002	.0000	10.42	.0015	.0005	10.45	-.0015	.0005	.0006
#2	.0005	.0000	10.43	.0024	.0009	10.52	-.0019	.0001	.0008

Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value									
Range									

Sample Name: CCVB4 Acquired: 12/28/2009 11:39:13 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.11	10.42	.0009	-.0004	1.057	.96540
Stddev	.01	.05	.0001	.0009	.008	.00376
%RSD	.0791	.4375	6.584	207.7	.7188	.38997

#1	10.11	10.39	.0008	-.0010	1.052	.96274
#2	10.12	10.45	.0009	.0002	1.062	.96806

Check ?	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1764.4	56738.	7249.7	569.99
Stddev	3.9	272.	13.0	.97
%RSD	.22268	.47912	.17975	.17015

#1	1761.7	56930.	7240.5	569.30
#2	1767.2	56546.	7258.9	570.68

Sample Name: CCB4 Acquired: 12/28/2009 11:42:29 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209

Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0008	.0007	.0040	.0007	.00005	-.0014	.0001	-.0028
Stddev	.0002	.0022	.0014	.0013	.0001	.00001	.0004	.0002	.0031
%RSD	133.5	265.8	192.8	33.73	12.68	11.135	30.02	209.4	110.5

#1	.0000	.0023	.0017	.0030	.0007	.00005	-.0017	.0000	-.0050
#2	-.0002	-.0007	-.0003	.0049	.0006	.00005	-.0011	.0002	-.0006

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	-.0001	-.0002	-.0019	.0026	-.0005	.0023	.0008	.0011
Stddev	.0002	.0001	.0003	.0003	.0005	.0006	.0152	.0002	.0000
%RSD	18.83	41.12	134.8	15.28	18.20	122.8	664.0	21.85	4.041

#1	.0010	-.0002	.0000	-.0017	.0029	-.0001	-.0085	.0009	.0011
#2	.0008	-.0001	-.0004	-.0021	.0022	-.0009	.0130	.0007	.0012

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0001	.0001	.0001	-.0046	.0032	.0004	.0190	-.0007
Stddev	.0000	.0001	.0002	.0001	.0268	.0020	.0004	.0059	.0001
%RSD	247.6	49.09	412.2	75.12	578.2	61.12	97.73	31.03	7.729

#1	.0000	.0001	-.0001	.0001	-.0236	.0018	.0001	.0149	-.0007
#2	.0000	.0002	.0002	.0000	.0143	.0046	.0006	.0232	-.0007

Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Sample Name: CCB4 Acquired: 12/28/2009 11:42:29 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209

Comment:

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0001	-.0003	-.0146	.0002	.0005	.0001	.00004
Stddev	.0002	.0001	.0063	.0038	.0003	.0002	.0015	.00001
%RSD	151.7	120.0	1816.	26.18	122.8	51.68	1240.	25.692
#1	.0000	.0000	.0041	-.0173	.0004	.0003	.0012	.00004
#2	.0002	.0001	-.0048	-.0119	.0000	.0006	-.0009	.00003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1774.0	57963.	7305.2	590.58
Stddev	3.6	365.	13.3	2.23
%RSD	.20320	.63030	.18266	.37835
#1	1771.4	57704.	7295.7	592.16
#2	1776.5	58221.	7314.6	589.00

Sample Name: K0912102-MB Acquired: 12/28/2009 11:45:12 Type: Unk
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0011	.0032	.0010	.0001	-.00003	-.0014	.0000

#1	.0002	.0004	.0026	-.0012	.0001	-.00004	-.0004	.0000
#2	.0004	.0018	.0038	.0031	.0000	-.00002	-.0023	.0001

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	.0022	.0006	-.0004	F -.0021	.0030	-.0002	.0002

#1	.0007	.0022	.0003	-.0001	-.0023	.0017	-.0001	.0002
#2	.0027	.0021	.0009	-.0008	-.0020	.0044	-.0003	.0002

Elem	Mg2852	Mn2576	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	-.0001	.0000	.0001	.0103	.0016	.0003	.0203

#1	-.0002	-.0001	.0000	.0000	-.0027	.0016	.0005	.0188
#2	.0008	.0000	.0000	.0002	.0232	.0016	.0001	.0218

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.0004	F .0023	F .2279	-.0118	.0003	-.0004	.0014

#1	.0006	.0005	.0024	.2285	-.0107	.0004	.0013	.0015
#2	.0012	.0004	.0023	.2272	-.0130	.0003	-.0021	.0013

Elem	Sr4077
Units	ppm
Avg	.00004

#1	.00005
#2	.00003

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1785.4	58068.	7329.6	590.27

#1	1783.2	57926.	7418.0	588.92
#2	1787.5	58211.	7241.2	591.61

Sample Name: LCSW Acquired: 12/28/2009 11:47:46 Type: Unk
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.873	2.507	2.500	4.780	.12611	1.010	1.173	11.86	.4914

#1	4.890	2.502	2.494	4.784	.12616	1.006	1.169	11.81	.4921
#2	4.855	2.511	2.506	4.775	.12605	1.014	1.176	11.91	.4907

Elem	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576	Mo2020	Ni2216	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.192	.6201	2.393	2.435	13.25	1.210	.9841	1.183	12.89

#1	1.188	.6217	2.396	2.431	13.29	1.214	.9799	1.181	12.95
#2	1.197	.6185	2.389	2.438	13.20	1.206	.9882	1.186	12.82

Elem	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.410	.6146	13.01	.0017	1.230	1.247	.2423	-.0123	.0004

#1	2.396	.6176	13.09	.0020	1.233	1.245	.2385	-.0142	.0004
#2	2.423	.6115	12.93	.0014	1.227	1.248	.2461	-.0105	.0003

Elem	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.469	.0016	.00057

#1	2.460	.0008	.00056
#2	2.478	.0025	.00059

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1756.7	57226.	7374.2	567.37

#1	1759.5	57344.	7413.5	566.69
#2	1753.8	57107.	7334.9	568.04

Sample Name: K0912102-001 Acquired: 12/28/2009 11:50:51 Type: Unk
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5872	.5920	.0024	.0030	.0090	-.00003	F .0068	.0001

#1	.5882	.5899	.0018	.0035	.0090	-.00005	.0065	.0001
#2	.5863	.5942	.0031	.0025	.0091	.00000	.0072	.0001

Elem	Ca3158	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.10	F .0025	.0033	.0042	.7430	.0017	3.266	.0113

#1	13.12	.0023	.0035	.0043	.7440	-.0008	3.248	.0114
#2	13.08	.0026	.0032	.0040	.7420	.0043	3.283	.0112

Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	.0020	.7144	.0020	.0014	3.100	.0000	.0025

#1	.0008	.0018	.6838	.0026	.0015	3.071	-.0003	.0029
#2	.0007	.0021	.7450	.0014	.0013	3.129	.0003	.0021

Elem	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0055	.2991	7.714	.0235	-.0014	.0021	.04802

#1	.0055	.2884	7.674	.0237	.0003	.0024	.04813
#2	.0055	.3099	7.755	.0234	-.0030	.0018	.04791

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1764.6	57658.	7356.6	587.07

#1	1763.2	57668.	7293.5	589.44
#2	1766.1	57648.	7419.7	584.70

Sample Name: K0912102-001D Acquired: 12/28/2009 11:54:01 Type: Unk
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5785	.5778	.0011	.0033	.0088	-.00001	F .0060	.0000

#1	.5779	.5733	.0012	.0022	.0088	-.00007	.0058	.0000
#2	.5791	.5823	.0010	.0045	.0089	.00005	.0063	-.0001

Elem	Ca3158	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.96	F .0023	.0035	.0041	.7418	.0010	3.276	.0110

#1	13.02	.0030	.0031	.0039	.7446	.0015	3.246	.0111
#2	12.89	.0016	.0039	.0043	.7390	.0006	3.306	.0109

Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0020	.7409	.0030	.0017	3.133	-.0002	.0019

#1	.0004	.0017	.7450	.0041	.0017	3.085	-.0001	.0019
#2	.0003	.0023	.7368	.0020	.0017	3.181	-.0003	.0019

Elem	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0044	.3010	7.721	.0233	-.0011	.0021	.04740

#1	.0044	.3002	7.698	.0230	-.0011	.0025	.04744
#2	.0045	.3018	7.744	.0235	-.0012	.0017	.04736

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1769.7	57705.	7453.2	588.29

#1	1771.4	57385.	7369.1	587.39
#2	1767.9	58026.	7537.3	589.19

Sample Name: K0912102-001S Acquired: 12/28/2009 11:57:11 Type: Unk

Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000

User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209

Comment:

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.546	.5027	1.019	1.955	.05126	1.010	.0478	F 22.48

#1	2.527	.4993	1.023	1.961	.05102	1.009	.0477	22.52
#2	2.565	.5061	1.015	1.949	.05150	1.011	.0479	22.44

Elem	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2007	.4866	.2501	1.684	.4994	13.96	.5046	.9931

#1	.2013	.4862	.2490	1.686	.4991	14.06	.5041	.9886
#2	.2001	.4869	.2511	1.682	.4998	13.87	.5050	.9976

Elem	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4793	11.18	.9731	.0503	13.65	-.0013	.5041	.5065

#1	.4778	11.22	.9702	.0504	13.70	-.0018	.5037	.5080
#2	.4809	11.13	.9760	.0502	13.60	-.0008	.5046	.5051

Elem	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077		
Units	ppm	ppm	ppm	ppm	ppm	ppm		
Avg	.2875	7.744	.0224	1.006	.0032	.04748		

#1	.2926	7.773	.0226	1.005	.0030	.04774		
#2	.2823	7.714	.0221	1.006	.0034	.04723		

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	1747.1	56981.	7355.4	564.18				

#1	1753.1	56918.	7372.7	565.41				
#2	1741.2	57044.	7338.1	562.95				

Sample Name: K0912102-001 Acquired: 12/28/2009 12:00:34 Type: Unk
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment: DISS

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0790	.0772	.0032	-.0003	.0051	.00003	F .0071	.0000

#1	.0789	.0791	.0012	-.0011	.0050	.00007	.0066	.0000
#2	.0791	.0752	.0051	.0006	.0051	-.00002	.0077	.0000

Elem	Ca3158	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.72	F .0002	.0005	.0009	.0947	.0010	3.040	.0016

#1	12.67	.0001	.0004	.0006	.0954	.0019	3.044	.0016
#2	12.77	.0004	.0006	.0013	.0940	.0001	3.037	.0015

Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0002	.6126	.0045	-.0003	3.055	.0000	.0009

#1	.0007	.0004	.6173	.0050	-.0002	3.055	.0000	.0005
#2	.0007	.0000	.6079	.0040	-.0004	3.055	.0001	.0013

Elem	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0017	.2805	6.776	.0035	-.0014	.0018	.04587

#1	.0016	.2796	6.776	.0036	-.0002	.0022	.04591
#2	.0019	.2813	6.776	.0033	-.0026	.0014	.04584

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1765.5	57755.	7423.1	586.80

#1	1764.2	57677.	7470.8	588.64
#2	1766.8	57833.	7375.5	584.96

Sample Name: K0912027-001 Acquired: 12/28/2009 12:03:43 Type: Unk
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment: 1/100 DIL

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	F -0.0013	.0027	.0007	F .0005	.00010	F .0475	.0001

#1	-0.0004	-0.0012	.0004	-0.0010	.0004	.00005	.0474	.0001
#2	-0.0006	-0.0015	.0050	.0023	.0006	.00016	.0477	.0000

Elem	Ca3158	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.977	F .0000	-0.0004	-0.0013	F .0044	.0009	11.42	.0039

#1	3.973	.0003	-0.0004	-0.0014	.0054	.0010	11.41	.0038
#2	3.981	-0.0003	-0.0003	-0.0013	.0033	.0008	11.43	.0039

Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	-0.0001	3.311	.0024	.0003	98.02	.0009	.0003

#1	.0005	-0.0004	3.301	.0014	.0001	97.79	.0002	.0001
#2	.0003	.0003	3.322	.0035	.0004	98.26	.0016	.0004

Elem	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0005	.0088	.2936	.0002	.0005	.0030	.10320

#1	.0005	.0077	.2939	.0004	.0031	.0041	.10307
#2	.0006	.0099	.2934	.0000	-0.0020	.0019	.10332

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1742.0	56512.	7283.5	554.88

#1	1742.6	56384.	7291.7	555.02
#2	1741.4	56639.	7275.4	554.73

Sample Name: K0912027-001D Acquired: 12/28/2009 12:07:03 Type: Unk
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment: 1/100 DIL

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	F -.0015	.0035	.0019	F .0007	.00005	F .0446	.0000
#1	.0000	-.0021	.0029	-.0002	.0008	.00007	.0446	.0000
#2	.0001	-.0010	.0041	.0039	.0007	.00004	.0446	.0001
Elem	Ca3158	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.913	F -.0003	-.0002	-.0012	F .0032	.0003	11.30	.0039
#1	3.931	-.0002	.0001	-.0009	.0036	.0000	11.19	.0039
#2	3.895	-.0004	-.0005	-.0015	.0028	.0007	11.41	.0039
Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	-.0002	3.242	-.0024	.0001	96.27	.0001	.0003
#1	.0002	-.0002	3.203	.0004	-.0003	95.03	.0005	.0000
#2	.0004	-.0002	3.281	-.0052	.0006	97.51	-.0004	.0005
Elem	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	F .0002	.0114	.2890	.0000	.0019	.0033	.10194	
#1	.0002	.0077	.2885	.0001	.0016	.0027	.10179	
#2	.0003	.0151	.2896	-.0002	.0021	.0039	.10209	
Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	1737.8	56456.	7276.3	552.30				
#1	1740.2	56240.	7190.7	553.24				
#2	1735.3	56673.	7361.8	551.36				

Sample Name: K0912027-001S Acquired: 12/28/2009 12:10:23 Type: Unk
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment: 1/100 DIL

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0196	F .0188	.0068	.0152	.0200	.00056	.0554	.0005
#1	.0194	.0177	.0070	.0163	.0200	.00057	.0560	.0005
#2	.0198	.0199	.0066	.0140	.0199	.00055	.0547	.0004
Elem	Ca3158	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.017	F .0015	.0049	.0005	F .0127	.0070	11.45	.0087
#1	4.018	.0012	.0049	.0002	.0127	.0073	11.43	.0088
#2	4.016	.0018	.0048	.0007	.0127	.0067	11.46	.0087
Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0099	.0049	3.353	.0111	.0007	96.35	.0003	.0054
#1	.0100	.0049	3.345	.0166	.0010	95.65	-.0007	.0051
#2	.0098	.0049	3.361	.0055	.0005	97.05	.0014	.0056
Elem	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	F .0052	.0089	.3985	.0002	.0103	.0017	.10161	
#1	.0052	.0072	.4009	.0001	.0104	.0017	.10170	
#2	.0052	.0106	.3962	.0002	.0102	.0017	.10152	
Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	1741.4	56450.	7307.9	556.72				
#1	1746.2	56524.	7281.4	556.83				
#2	1736.5	56375.	7334.5	556.62				

Sample Name: R0907046-MB Acquired: 12/28/2009 12:14:33 Type: Unk
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment: 1/2 DIL

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	.0013	.0050	-.0007	.0002	-.00002	-.0019	-.0001

#1	.0017	.0016	.0048	-.0009	.0002	-.00001	-.0024	-.0001
#2	.0012	.0011	.0053	-.0005	.0001	-.00003	-.0014	-.0001

Elem	Ca3158	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0061	.0006	-.0003	-.0017	.0069	.0007	.0028	F .0007

#1	.0087	.0004	-.0001	-.0016	.0070	.0005	.0037	.0006
#2	.0035	.0008	-.0005	-.0018	.0067	.0008	.0019	.0008

Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-.0002	.0282	.0022	.0006	.0277	F .0217	.0000

#1	.0002	-.0004	.0360	.0040	.0004	.0263	.0217	-.0001
#2	.0000	-.0001	.0205	.0004	.0008	.0290	.0217	.0000

Elem	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0050	-.0164	.0000	-.0022	.0003	.00003

#1	.0005	.0074	-.0165	.0002	-.0020	-.0002	.00002
#2	.0003	.0025	-.0164	-.0001	-.0025	.0008	.00005

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1806.1	58988.	7503.5	595.30

#1	1811.7	58858.	7536.7	595.63
#2	1800.5	59117.	7470.3	594.96

Sample Name: CCVA5 Acquired: 12/28/2009 12:17:15 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2463	.2350	.2572	.2569	.2410	.25836	.2488	.2428	.2470
Stddev	.0023	.0001	.0002	.0001	.0004	.00149	.0021	.0006	.0016
%RSD	.9273	.0506	.0768	.0548	.1645	.57603	.8554	.2532	.6339

#1	.2447	.2349	.2570	.2568	.2413	.25731	.2473	.2423	.2481
#2	.2479	.2351	.2573	.2570	.2407	.25941	.2503	.2432	.2459

Check ?	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass	None
Value Range									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2442	.2457	.2413	.2490	.2432	.2469	.2473	.2448	.2743
Stddev	.0004	.0008	.0012	.0018	.0010	.0007	.0063	.0000	.0002
%RSD	.1524	.3367	.5035	.7329	.4310	.2854	2.550	.0025	.0886

#1	.2445	.2451	.2405	.2477	.2439	.2464	.2518	.2448	.2745
#2	.2439	.2463	.2422	.2503	.2424	.2474	.2428	.2448	.2741

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	None	Chk Pass	None
Value Range									

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2497	.2616	.2427	.2424	2.660	.2574	.2524	.2862	.2466
Stddev	.0007	.0014	.0009	.0005	.022	.0025	.0000	.0065	.0017
%RSD	.2697	.5193	.3814	.1925	.8242	.9767	.0129	2.286	.6969

#1	.2493	.2626	.2420	.2421	2.645	.2592	.2524	.2908	.2454
#2	.2502	.2606	.2433	.2428	2.676	.2556	.2523	.2816	.2479

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass
Value Range									

Sample Name: CCVA5 Acquired: 12/28/2009 12:17:15 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2462	.2489	-.0030	.1267	.2445	.2467	.0019	.00003
Stddev	.0014	.0007	.0046	.0019	.0010	.0016	.0012	.00007
%RSD	.5495	.2714	153.7	1.481	.4276	.6406	60.73	222.93

#1	.2452	.2485	.0003	.1280	.2438	.2456	.0011	.00008
#2	.2471	.2494	-.0063	.1254	.2453	.2478	.0027	-.00002

Check ?	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass	None	None
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1800.3	58590.	7411.1	598.06
Stddev	4.1	214.	5.0	1.58
%RSD	.22991	.36455	.06808	.26484

#1	1803.2	58439.	7407.5	599.18
#2	1797.3	58741.	7414.6	596.94

Sample Name: CCVB5 Acquired: 12/28/2009 12:20:14 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209

Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.317	10.13	.0000	1.035	9.726	.00004	-.0003	.0000	9.794
Stddev	.037	.06	.001	.006	.215	.00001	.0013	.000	.015
%RSD	.5121	.5788	3959.	.5458	2.210	18.844	396.9	5670.	.1574

#1	7.290	10.09	.0003	1.039	9.878	.00004	-.0012	-.0001	9.783
#2	7.343	10.18	-.0003	1.031	9.574	.00003	.0006	.0001	9.805

Check ?	None	Chk Pass	None	Chk Pass	Chk Pass	None	None	None	Chk Pass
Value Range									

Elem	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2852	Mn2576	Mn2605
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0006	.0000	-.0012	9.752	.0009	10.06	10.89	.0004	-.0008
Stddev	.0005	.0004	.0006	.007	.0001	.00	.14	.0001	.0008
%RSD	82.06	986.3	46.16	.0774	10.68	.0224	1.276	31.27	101.9

#1	-.0010	-.0002	-.0016	9.746	.0009	10.06	10.79	.0004	-.0013
#2	-.0003	.0003	-.0008	9.757	.0010	10.05	10.99	.0003	-.0002

Check ?	None	None	None	Chk Pass	None	Chk Pass	Chk Pass	None	None
Value Range									

Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	-.0001	10.57	.0059	.0003	10.69	.0001	-.0004	.0008
Stddev	.0003	.0002	.12	.0005	.0006	.16	.0007	.0002	.0001
%RSD	81.89	155.6	1.120	8.058	170.1	1.455	572.7	38.64	10.82

#1	.0002	-.0002	10.48	.0056	.0007	10.58	.0007	-.0003	.0007
#2	.0006	.0000	10.65	.0063	-.0001	10.80	-.0004	-.0005	.0009

Check ?	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value Range									

Sample Name: CCVB5 Acquired: 12/28/2009 12:20:14 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.23	10.58	.0008	-.0008	1.080	.96420
Stddev	.01	.11	.0000	.0001	.016	.00508
%RSD	.1051	1.066	.8335	17.52	1.494	.52670
#1	10.24	10.50	.0008	-.0007	1.069	.96061
#2	10.22	10.66	.0008	-.0010	1.091	.96780

Check ?	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1772.9	57296.	7398.7	574.26
Stddev	5.5	367.	72.2	1.71
%RSD	.30877	.64120	.97628	.29857
#1	1776.8	57036.	7347.6	575.48
#2	1769.0	57555.	7449.8	573.05

Sample Name: CCB5 Acquired: 12/28/2009 12:23:30 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0008	-.0010	.0016	-.0006	.0002	-.00004	-.0031	.0000
Stddev	.0002	.0008	.0021	.0023	.0000	.00012	.0019	.0000
%RSD	24.52	75.50	130.3	370.8	.4973	296.84	61.55	2.991

#1	-.0007	-.0005	.0031	-.0022	.0002	-.00012	-.0017	.0000
#2	-.0010	-.0015	.0001	.0010	.0002	.00004	-.0044	.0000

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032	.0001	-.0002	.0000	-.0017	.0013	-.0004	-.0141
Stddev	.0056	.0001	.0003	.0000	.0000	.0007	.0005	.0296
%RSD	176.6	55.60	162.6	18.83	1.643	49.52	137.4	209.5

#1	-.0008	.0001	.0000	.0000	-.0017	.0018	-.0008	-.0351
#2	.0071	.0001	-.0004	.0000	-.0018	.0009	.0000	.0068

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
High Limit								
Low Limit								

Elem	Mg2795	Mg2852	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0010	-.0002	-.0008	.0001	-.0003	.0175	.0008
Stddev	.0001	.0011	.0000	.0008	.0001	.0001	.0117	.0022
%RSD	34.68	112.4	20.01	108.8	104.3	19.70	66.85	285.6

#1	.0003	.0017	-.0001	-.0014	.0000	-.0003	.0092	-.0008
#2	.0002	.0002	-.0002	-.0002	.0002	-.0004	.0257	.0023

Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB5 Acquired: 12/28/2009 12:23:30 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Ag3280	Na5895	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0122	-.0004	.0003	.0003	-.0065	-.0166	.0003
Stddev	.0006	.0026	.0003	.0003	.0005	.0019	.0034	.0000
%RSD	170.6	21.22	70.18	125.4	204.4	28.63	20.50	6.992
#1	-.0001	.0104	-.0002	.0000	.0007	-.0052	-.0142	.0003
#2	.0008	.0140	-.0006	.0005	-.0001	-.0078	-.0190	.0003

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.0002	.0018	.00005
Stddev	.0003	.0013	.00001
%RSD	187.8	73.67	13.417
#1	-.0004	.0008	.00005
#2	.0001	.0027	.00004

Check ? Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1792.0	58212.	7318.6	600.08
Stddev	.3	113.	.8	.75
%RSD	.01912	.19489	.01152	.12569
#1	1792.3	58293.	7318.0	599.54
#2	1791.8	58132.	7319.2	600.61

Sample Name: LCSS Acquired: 12/28/2009 12:26:12 Type: Unk
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment: 1/2 DIL

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	43.98	.4369	.4647	2.072	.31079	.5259	.4329	45.07	.7248
#1	44.40	.4387	.4664	2.070	.31125	.5307	.4333	44.98	.7246
#2	43.56	.4350	.4630	2.073	.31033	.5211	.4324	45.15	.7249

Elem	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576	Mo2020	Ni2216	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9352	1.271	80.97	.5346	21.79	2.442	.3091	.9749	22.28
#1	.9372	1.279	80.95	.5337	21.86	2.437	.3088	.9755	22.30
#2	.9332	1.262	81.00	.5356	21.73	2.446	.3095	.9743	22.25

Elem	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9554	.4042	3.829	.7689	.8981	1.496	4.215	11.57	2.174
#1	.9543	.4067	3.828	.7699	.8978	1.500	4.215	11.60	2.178
#2	.9565	.4016	3.830	.7679	.8985	1.493	4.214	11.54	2.171

Elem	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	1.282	.0503	.61843
#1	1.284	.0511	.61860
#2	1.280	.0494	.61826

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1848.1	60284.	7818.6	560.47
#1	1849.0	60296.	7842.7	560.26
#2	1847.2	60272.	7794.4	560.67

Sample Name: R0907046-001 Acquired: 12/28/2009 12:29:20 Type: Unk
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment: 1/2 DIL

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 37.68	.0051	.0275	.8651	.00274	.1903	.0013	F 117.9

#1	37.79	.0057	.0278	.8649	.00284	.1906	.0013	117.4
#2	37.57	.0044	.0273	.8653	.00265	.1901	.0013	118.4

Elem	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0489	.0446	.1015	F 59.50	.0665	F 55.49	4.481	.0076

#1	.0491	.0446	.1018	59.19	.0658	55.62	4.464	.0078
#2	.0487	.0445	.1012	59.81	.0673	55.36	4.498	.0074

Elem	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0652	10.29	.0007	-.0015	7.391	.0251	.1702	.2092

#1	.0650	10.30	.0026	-.0018	7.448	.0252	.1693	.2082
#2	.0654	10.28	-.0011	-.0011	7.333	.0250	.1712	.2102

Elem	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.389	5.738	3.255	-.0069	.0676	.68899

#1	8.372	5.734	3.249	-.0077	.0680	.68869
#2	8.407	5.742	3.261	-.0062	.0672	.68929

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1870.3	60799.	7988.9	542.86

#1	1870.2	60904.	8038.1	544.83
#2	1870.3	60694.	7939.7	540.89

Sample Name: R0907046-001D Acquired: 12/28/2009 12:32:45 Type: Unk

Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000

User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209

Comment: 1/2 DIL

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 40.10	.0036	.0387	.8531	.00269	.2489	.0016	F 148.5

#1	40.29	.0033	.0419	.8546	.00270	.2494	.0015	148.1
#2	39.91	.0038	.0355	.8517	.00267	.2484	.0017	148.9

Elem	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0831	.0463	.1101	F 64.75	.1143	F 71.06	4.981	.0107

#1	.0831	.0459	.1115	64.67	.1154	71.33	4.988	.0110
#2	.0831	.0467	.1087	64.84	.1132	70.79	4.973	.0103

Elem	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0729	11.02	.0036	-.0006	8.898	.0260	.1871	.2284

#1	.0726	11.04	-.0006	-.0005	8.909	.0267	.1863	.2287
#2	.0732	11.00	.0077	-.0007	8.887	.0252	.1880	.2281

Elem	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077		
Units	ppm	ppm	ppm	ppm	ppm	ppm		
Avg	7.321	10.01	3.367	-.0052	.0717	1.0432		

#1	7.322	10.02	3.368	-.0064	.0715	1.0439		
#2	7.320	10.00	3.365	-.0040	.0719	1.0424		

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	1837.6	59794.	7969.2	529.06				

#1	1843.0	59820.	7986.0	529.58				
#2	1832.2	59767.	7952.4	528.54				

Sample Name: R0907046-001L Acquired: 12/28/2009 12:36:22 Type: Unk

Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000

User: admin ^{SP 1122110} StarLIMS#: 184411 File Name: 122809A Database: 1209

Comment: 1/2 DIL

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.347	.0031	.0083	.1876	.00070	F .0400	.0003	F 25.57

#1	7.378	.0020	.0116	.1876	.00074	.0404	.0003	25.55
#2	7.315	.0041	.0050	.1876	.00065	.0396	.0003	25.60

Elem	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0110	.0096	.0193	13.18	.0143	11.42	.9917	.0015

#1	.0104	.0097	.0193	13.19	.0139	11.41	.9869	.0012
#2	.0115	.0096	.0192	13.18	.0148	11.43	.9966	.0018

Elem	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0150	2.097	.0031	-.0003	1.495	.0049	.0362	.0436

#1	.0149	2.085	-.0003	-.0001	1.494	.0040	.0362	.0435
#2	.0150	2.108	.0064	-.0004	1.497	.0059	.0362	.0437

Elem	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077		
Units	ppm	ppm	ppm	ppm	ppm	ppm		
Avg	1.777	1.166	.7006	-.0006	.0140	.14849		

#1	1.767	1.169	.6993	-.0008	.0133	.14849		
#2	1.787	1.163	.7019	-.0004	.0147	.14849		

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	1809.6	58767.	7557.4	582.41				

#1	1813.8	58877.	7568.0	581.56				
#2	1805.4	58656.	7546.8	583.26				

Sample Name: R0907046-001S Acquired: 12/28/2009 12:39:51 Type: Unk
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment: 1/2 DIL

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 42.32	.2050	.5126	2.583	.05338	.6816	.0440	F 108.2

#1	42.28	.2082	.5128	2.585	.05378	.6829	.0441	108.3
#2	42.36	.2019	.5124	2.581	.05298	.6803	.0438	108.0

Elem	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2434	.4858	.3843	F 65.42	.5679	F 65.55	5.530	.4490

#1	.2438	.4880	.3836	65.52	.5660	65.42	5.521	.4512
#2	.2431	.4835	.3850	65.31	.5697	65.67	5.539	.4468

Elem	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5031	9.929	.4408	.0473	7.283	.0266	.6259	.7131

#1	.5055	9.934	.4432	.0483	7.269	.0271	.6269	.7113
#2	.5007	9.923	.4383	.0463	7.298	.0261	.6249	.7148

Elem	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077	
Units	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	9.233	4.607	2.823	.4852	.0684	.67774	

#1	9.269	4.593	2.828	.4855	.0678	.67780	
#2	9.196	4.621	2.818	.4849	.0691	.67769	

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1884.5	61354.	8086.7	540.99

#1	1881.9	61299.	8077.0	542.64
#2	1887.2	61409.	8096.4	539.34

Sample Name: R0907046-004 Acquired: 12/28/2009 12:43:18 Type: Unk
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment: 1/2 DIL

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 33.83	.0066	.0489	.8269	.00209	.7461	.0021	F 125.4
#1	33.79	.0075	.0513	.8282	.00208	.7408	.0020	125.1
#2	33.88	.0058	.0464	.8256	.00210	.7513	.0022	125.7
Elem	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6986	.0310	.1479	F 45.09	.4506	265.2	1.973	.0074
#1	.6989	.0308	.1476	45.01	.4476	264.5	1.980	.0075
#2	.6983	.0312	.1482	45.17	.4536	265.9	1.966	.0074
Elem	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0659	12.76	.0001	.0007	4.613	.0294	.1514	.2551
#1	.0653	12.81	.0019	.0008	4.628	.0292	.1522	.2535
#2	.0664	12.72	-.0017	.0007	4.598	.0296	.1505	.2567
Elem	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077		
Units	ppm	ppm	ppm	ppm	ppm	ppm		
Avg	4.113	8.059	2.505	-.0048	.0721	1.3211		
#1	4.106	8.041	2.508	-.0048	.0731	1.3212		
#2	4.119	8.077	2.502	-.0048	.0712	1.3210		
Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	1733.7	57015.	7661.5	509.46				
#1	1738.1	56835.	7690.0	513.03				
#2	1729.3	57195.	7633.0	505.90				

Sample Name: R0907046-007 Acquired: 12/28/2009 12:46:44 Type: Unk
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment: 1/2 DIL

Elem	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.22	.0072	.0201	.5584	.00104	.0670	.0015	F 551.1

#1	12.23	.0108	.0227	.5586	.00102	.0683	.0017	556.7
#2	12.21	.0036	.0175	.5582	.00106	.0657	.0013	545.4

Elem	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0397	.0258	.1107	F 33.54	.0773	368.6	6.491	.0056

#1	.0398	.0258	.1105	33.53	.0756	367.8	6.487	.0058
#2	.0395	.0258	.1109	33.54	.0790	369.4	6.495	.0054

Elem	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0436	8.569	-.0015	.0003	6.364	.0251	.1004	.2329

#1	.0436	8.589	.0021	.0002	6.373	.0251	.1000	.2344
#2	.0435	8.549	-.0052	.0004	6.354	.0250	.1008	.2313

Elem	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.461	6.944	1.504	-.0040	.0469	.63521

#1	2.475	6.970	1.503	-.0027	.0482	.63459
#2	2.447	6.917	1.506	-.0052	.0457	.63583

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1624.5	53061.	7319.1	466.85

#1	1631.8	53079.	7339.7	467.95
#2	1617.3	53044.	7298.5	465.75

Sample Name: K0912475-MB Acquired: 12/28/2009 12:51:15 Type: Unk
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment: 9/10

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	-.0006	.0039	.0036	.0000	-.00001	.0003	.0001

#1	.0002	.0002	.0019	.0040	.0000	.00000	.0011	.0000
#2	.0004	-.0014	.0058	.0033	.0000	-.00002	-.0006	.0001

Elem	Ca3158	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018	.0002	-.0003	-.0011	.0018	.0007	.0012	.0001

#1	-.0025	.0006	-.0004	-.0011	.0016	.0009	.0002	.0000
#2	.0061	-.0002	-.0002	-.0011	.0021	.0006	.0023	.0001

Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0005	.0215	.0006	.0005	.0025	-.0004	-.0006

#1	.0000	.0008	.0174	-.0006	.0009	.0071	-.0006	-.0005
#2	.0000	.0002	.0255	.0018	.0000	-.0021	-.0003	-.0006

Elem	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	-.0015	-.0048	.0003	.0007	.0000	-.00002

#1	.0002	.0011	-.0031	.0003	.0003	.0005	.00000
#2	.0004	-.0040	-.0064	.0003	.0012	-.0005	-.00004

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1813.1	59114.	7544.1	607.72

#1	1816.8	58947.	7502.6	607.20
#2	1809.4	59280.	7585.5	608.24

Sample Name: K0912475-001 Acquired: 12/28/2009 12:53:56 Type: Unk
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment: 9/10

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0037	F .0029	.0000	.0024	F .0001	.00006	F .0000	.0001
#1	.0034	.0030	.0004	.0024	.0000	.00006	-.0008	.0001
#2	.0040	.0027	-.0003	.0023	.0001	.00006	.0008	.0001

Elem	Ca3158	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.0017	F .0011	.0000	-.0017	F .0063	.0008	F .0012	.0001
#1	.0005	.0015	.0003	-.0018	.0066	.0013	.0020	.0001
#2	-.0039	.0008	-.0003	-.0017	.0060	.0003	.0004	.0002

Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0010	.8291	.0033	.0005	.2754	.4290	.0003
#1	.0009	.0011	.8589	.0001	.0004	.2808	.4275	.0007
#2	.0005	.0009	.7993	.0066	.0007	.2700	.4304	.0000

Elem	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0005	.4983	-.0064	.0007	.0000	.0007	.00001
#1	.0006	.4933	-.0023	.0007	-.0005	.0019	.00000
#2	.0005	.5033	-.0106	.0006	.0004	-.0005	.00002

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1787.1	57866.	7510.8	601.46
#1	1789.8	57833.	7551.4	600.78
#2	1784.4	57899.	7470.1	602.13

Sample Name: K0912475-001D Acquired: 12/28/2009 12:56:39 Type: Unk
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment: 9/10

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0034	F -.0007	.0017	.0035	F .0003	.00005	F -.0010	.0001
#1	.0032	-.0023	.0018	.0039	.0004	.00007	-.0017	.0001
#2	.0036	.0008	.0016	.0031	.0002	.00003	-.0002	.0002
Elem	Ca3158	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2852	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .0031	F .0014	-.0003	-.0017	F .0067	.0018	F .0018	.0001
#1	.0047	.0017	-.0004	-.0018	.0081	.0019	.0007	.0001
#2	.0016	.0011	-.0002	-.0016	.0052	.0017	.0030	.0001
Elem	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0010	.8021	.0020	.0007	.2829	.4307	-.0002
#1	.0003	.0011	.7984	.0022	.0007	.2824	.4265	-.0004
#2	.0003	.0009	.8057	.0019	.0007	.2835	.4348	.0000
Elem	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707	Sr4077	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Avg	F .0006	.5033	-.0131	.0004	-.0002	.0000	.00005	
#1	.0003	.5010	-.0091	.0004	-.0009	.0006	.00002	
#2	.0009	.5057	-.0170	.0004	.0005	-.0006	.00007	
Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306				
Units	Cts/S	Cts/S	Cts/S	Cts/S				
Avg	1803.0	58276.	7571.4	602.59				
#1	1807.0	58135.	7516.9	604.84				
#2	1799.1	58416.	7626.0	600.34				

Sample Name: CCVA6 Acquired: 12/28/2009 12:59:20 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2446	.2407	.2583	.2573	.2405	.26001	.2524	.2446	.2473
Stddev	.0003	.0022	.0008	.0003	.0006	.00074	.0005	.0004	.0042
%RSD	.1206	.8982	.3093	.1103	.2491	.28563	.1861	.1515	1.710

#1	.2448	.2422	.2578	.2571	.2400	.25948	.2521	.2448	.2503
#2	.2444	.2391	.2589	.2575	.2409	.26053	.2528	.2443	.2443

Check ?	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2795	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2417	.2462	.2430	.2515	.2436	.2461	.2507	.2458	.2754
Stddev	.0008	.0009	.0002	.0008	.0028	.0005	.0163	.0004	.0004
%RSD	.3462	.3494	.0832	.3080	1.163	.2043	6.484	.1524	.1284

#1	.2411	.2468	.2432	.2509	.2456	.2465	.2392	.2455	.2756
#2	.2423	.2456	.2429	.2520	.2416	.2458	.2622	.2460	.2751

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	None	Chk Pass	None
Value									
Range									

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2486	.2636	.2428	.2438	2.645	.2621	.2533	.2703	.2484
Stddev	.0009	.0021	.0000	.0004	.010	.0033	.0007	.0020	.0018
%RSD	.3482	.7872	.0049	.1612	.3628	1.247	.2572	.7311	.7429

#1	.2480	.2651	.2428	.2441	2.651	.2644	.2529	.2717	.2497
#2	.2492	.2621	.2428	.2435	2.638	.2598	.2538	.2689	.2471

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass
Value									
Range									

Sample Name: CCVA6 Acquired: 12/28/2009 12:59:20 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209

Comment:

Elem	V_2924	Zn2062	P_2149	Si2516	Ti3361	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2451	.2516	-.0017	.1294	.2450	.2480	.0008	.00002
Stddev	.0011	.0012	.0007	.0034	.0001	.0001	.0009	.00002
%RSD	.4588	.4763	39.93	2.640	.0475	.0257	101.3	135.42
#1	.2443	.2525	-.0012	.1270	.2449	.2481	.0002	.00004
#2	.2459	.2508	-.0021	.1318	.2451	.2480	.0015	.00000

Check ?	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass	None	None
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1795.8	58566.	7410.1	595.15
Stddev	4.8	146.	4.4	1.84
%RSD	.26986	.24911	.05950	.30944
#1	1792.3	58463.	7406.9	593.84
#2	1799.2	58670.	7413.2	596.45

Sample Name: CCVB6 Acquired: 12/28/2009 13:02:18 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.301	9.927	.0005	1.033	9.495	-.00010	.0001	.0002
Stddev	.006	.099	.0019	.002	.010	.00000	.0002	.0001
%RSD	.0817	.9941	407.1	.1941	.1041	1.7419	216.2	62.54

#1	7.297	9.858	.0018	1.031	9.488	-.00010	.0002	.0001
#2	7.305	9.997	-.0009	1.034	9.502	-.00009	.0000	.0003

Check ?	None	Chk Pass	None	Chk Pass	Chk Pass	None	None	None
Value								
Range								

Elem	Ca3158	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.823	-.0003	-.0001	-.0018	9.788	.0017	9.946	F 11.06
Stddev	.005	.0002	.0002	.0003	.030	.0003	.021	.00
%RSD	.0510	59.41	167.7	14.78	.3044	19.49	.2160	.0244

#1	9.827	-.0004	.0000	-.0020	9.767	.0019	9.931	11.06
#2	9.820	-.0002	-.0003	-.0016	9.809	.0014	9.961	11.06

Check ?	Chk Pass	None	None	None	Chk Pass	None	Chk Pass	Chk Fail
Value								10.00
Range								10.00%

Elem	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	-.0008	.0001	-.0001	10.72	.0010	.0004	10.78
Stddev	.0000	.0009	.0003	.0002	.01	.0007	.0003	.03
%RSD	11.82	112.0	346.5	150.4	.1315	73.61	70.92	.2810

#1	.0004	-.0002	.0003	-.0003	10.71	.0015	.0002	10.76
#2	.0004	-.0015	-.0001	.0000	10.73	.0005	.0006	10.81

Check ?	None	None	None	None	Chk Pass	None	None	Chk Pass
Value								
Range								

Sample Name: CCVB6 Acquired: 12/28/2009 13:02:18 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361	Ti1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	-.0002	.0008	10.25	10.75	.0010	.0007	1.090
Stddev	.0006	.0004	.0001	.02	.05	.0001	.0020	.003
%RSD	109.0	198.8	8.327	.2108	.4458	13.14	262.1	.2653
#1	.0010	.0001	.0007	10.23	10.71	.0009	.0021	1.088
#2	.0001	-.0005	.0008	10.26	10.78	.0011	-.0006	1.092
Check ? Value Range	None	None	None	Chk Pass	Chk Pass	None	None	Chk Pass

Elem	Sr4077
Units	ppm
Avg	.97071
Stddev	.00032
%RSD	.03275
#1	.97048
#2	.97093

Check ?
Value
Range

Chk Pass

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1776.5	57442.	7488.1	576.75
Stddev	4.2	12.	27.1	.87
%RSD	.23851	.02022	.36151	.15107
#1	1779.5	57434.	7468.9	577.36
#2	1773.5	57450.	7507.2	576.13

Sample Name: CCB6 Acquired: 12/28/2009 13:05:35 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Al1670	Al3944	Sb2068	As1890	Ba4554	Be2348	B_2496	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	-.0024	.0024	.0042	.0004	-.00006	-.0023	.0000
Stddev	.0000	.0035	.0002	.0005	.0000	.00002	.0008	.0000
%RSD	3.991	146.3	8.471	12.45	7.267	38.438	35.91	426.1
#1	-.0004	.0001	.0025	.0045	.0004	-.00008	-.0029	.0000
#2	-.0004	-.0049	.0023	.0038	.0004	-.00005	-.0017	.0000

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ca3158	Ca3933	Cr2677	Co2307	Cu3273	Fe2599	Pb2203	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0011	.0003	-.0007	-.0003	-.0016	.0034	.0011	-.0038
Stddev	.0014	.0001	.0003	.0003	.0004	.0013	.0003	.0043
%RSD	121.6	27.62	41.27	77.20	21.92	37.91	23.93	111.6
#1	-.0002	.0003	-.0009	-.0002	-.0019	.0044	.0013	-.0008
#2	-.0021	.0002	-.0005	-.0005	-.0014	.0025	.0009	-.0068

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
High Limit								
Low Limit								

Elem	Mg2795	Mg2852	Mn2576	Mn2605	Mo2020	Ni2216	K_7664	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0000	.0000	-.0006	.0004	-.0002	-.0124	.0004
Stddev	.0001	.0002	.000	.0002	.0002	.0004	.0118	.0053
%RSD	22.70	2121.	108.6	33.61	43.79	165.0	95.32	1413.
#1	.0005	.0001	.0000	-.0008	.0002	-.0005	-.0040	-.0033
#2	.0004	-.0001	-.0001	-.0005	.0005	.0000	-.0207	.0041

Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: CCB6 Acquired: 12/28/2009 13:05:35 Type: QC
 Method: 2009D(v12) Mode: CONC Corr. Factor: 1.000000
 User: admin StarLIMS#: 184411 File Name: 122809A Database: 1209
 Comment:

Elem	Ag3280	Na5895	Sn1899	V_2924	Zn2062	P_2149	Si2516	Ti3361
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0025	.0001	.0000	-.0001	-.0009	-.0110	.0002
Stddev	.000	.0031	.0010	.000	.0001	.0030	.0026	.0001
%RSD	3455.	123.9	747.2	573.2	115.0	348.6	23.96	29.09

#1	.0000	.0047	-.0006	-.0002	.0000	.0013	-.0091	.0003
#2	.0000	.0003	.0009	.0001	-.0002	-.0030	-.0129	.0002

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ti1908	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0009	.0006	.00007
Stddev	.0015	.0007	.00000
%RSD	167.4	112.3	.79887

#1	.0020	.0011	.00007
#2	-.0002	.0001	.00007

Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3600-2	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1799.6	58429.	7423.1	601.49
Stddev	.3	48.	16.6	.23
%RSD	.01869	.08198	.22388	.03814

#1	1799.8	58395.	7411.3	601.65
#2	1799.4	58463.	7434.8	601.33

Service Request # R0907046 (#1) _____
 Calibration _____ 122909C _____
 QC in calibration _____ 122909C _____
 QC Service Request # R0907046 _____
 STARLIMS Batch # 184541 _____

ICP-MS Data Review Form

	Yes	No	NA
1. Appropriate standardization completed	<u> X </u>	<u> </u>	<u> </u>
2. ICV within 10 % of true value	<u> X </u>	<u> </u>	<u> </u>
3. CCV's in control	<u> X </u>	<u> </u>	<u> </u>
4. CCB's and/or ICB's below MRL	<u> X </u>	<u> </u>	<u> </u>
5. Method blank below MRL	<u> X </u>	<u> </u>	<u> </u>
6. LCS in control	<u> X </u>	<u> </u>	<u> </u>
7. Spike and duplicate in control	<u> X </u>	<u> </u>	<u> </u>
8. All analytes within instrument linear range	<u> X </u>	<u> </u>	<u> </u>
9. Adequate rinse out time allowed	<u> X </u>	<u> </u>	<u> </u>
10. Internal standards in control	<u> X </u>	<u> </u>	<u> </u>
11. Interferences checked	<u> X </u>	<u> </u>	<u> </u>
12. Se over MRL	<u> </u>	<u> </u>	<u> X </u>
13. CRA run	<u> X </u>	<u> </u>	<u> </u>
14. ICSA and ICSAB in control	<u> X </u>	<u> </u>	<u> </u>
15. Serial dilution run	<u> X </u>	<u> </u>	<u> </u>
16. Post spike in control	<u> X </u>	<u> </u>	<u> </u>

Comments: Pipetting error post spike is +30ppb,

Primary Review by *Q* Date 12/30/09
 Secondary Review by *SL* Date 12/30/09

R:\icp\misc\data review forms\PQ ExCell review form

Sample List

Num	Label	Type	Weight	Volume	Dilution	Rack	Row	Column	Height
1	Cal. Blk	Blank	0 kg	0 ml	1.00	0	1	1	145
2	Cal. Stn	Fully Quant Standard	0 kg	0 ml	1.00	0	1	2	145
3	ICV1	Unknown	0 kg	0 ml	1.00	0	1	3	145
4	CCV1	Unknown	0 kg	0 ml	1.00	0	1	2	145
5	ICB1	Unknown	0 kg	0 ml	1.00	0	1	1	145
6	CCB1	Unknown	0 kg	0 ml	1.00	0	1	1	145
7	WATER CRA	Unknown	0 kg	0 ml	1.00	0	1	4	145
8	ICSA	Unknown	0 kg	0 ml	1.00	0	1	5	145
9	ICSAB	Unknown	0 kg	0 ml	1.00	0	1	6	145
10	K0912023-MB	Unknown	0 kg	0 ml	1.00	1	1	1	145
11	LCSW K0912023	Unknown	0 kg	0 ml	1.00	1	1	2	145
12	K0912023-004	Unknown	0 kg	0 ml	1.00	1	1	3	145
13	K0912023-004 1/5L	Unknown	0 kg	0 ml	1.00	1	1	4	145
14	K0912023-004 +20A	Unknown	0 kg	0 ml	1.00	1	1	5	145
15	K0912023-004S	Unknown	0 kg	0 ml	1.00	1	1	6	145
16	K0912023-004SD	Unknown	0 kg	0 ml	1.00	1	1	7	145
17	CCV2	Unknown	0 kg	0 ml	1.00	0	1	2	145
18	CCB2	Unknown	0 kg	0 ml	1.00	0	1	1	145
19	K0912023-005	Unknown	0 kg	0 ml	1.00	1	1	8	145
20	K0912023-006	Unknown	0 kg	0 ml	1.00	1	1	9	145
21	K0912023-007 1/2,500	Unknown	0 kg	0 ml	1.00	1	1	10	145
22	K0912023-004 DISS	Unknown	0 kg	0 ml	1.00	1	1	11	145
23	K0912023-005 DISS	Unknown	0 kg	0 ml	1.00	1	1	12	145
24	K0912023-006 DISS	Unknown	0 kg	0 ml	1.00	1	2	1	145
25	SOIL CRA	Unknown	0 kg	0 ml	1.00	0	1	7	145
26	R0907046-MB 1/5	Unknown	0 kg	0 ml	1.00	1	2	2	145
27	LCSS R0907046 1/50	Unknown	0 kg	0 ml	1.00	1	2	3	145
28	CCV3	Unknown	0 kg	0 ml	1.00	0	1	2	145
29	CCB3	Unknown	0 kg	0 ml	1.00	0	1	1	145
30	R0907046-001 1/5	Unknown	0 kg	0 ml	1.00	1	2	4	145
31	R0907046-001 1/5D	Unknown	0 kg	0 ml	1.00	1	2	5	145
32	R0907046-001 1/25L	Unknown	0 kg	0 ml	1.00	1	2	6	145
33	R0907046-001 1/5 +50A	Unknown	0 kg	0 ml	1.00	1	2	7	145
34	R0907046-001 125S	Unknown	0 kg	0 ml	1.00	1	2	8	145
35	K0912422-MB 1/5	Unknown	0 kg	0 ml	1.00	1	2	9	145
36	LCSW K09012422 1/25	Unknown	0 kg	0 ml	1.00	1	2	10	145
37	K0912422-001 1/5	Unknown	0 kg	0 ml	1.00	1	2	11	145
38	K0912422-001 1/5D	Unknown	0 kg	0 ml	1.00	1	2	12	145
39	K0912422-001 1/25L	Unknown	0 kg	0 ml	1.00	1	3	1	145
40	CCV4	Unknown	0 kg	0 ml	1.00	0	1	2	145
41	CCB4	Unknown	0 kg	0 ml	1.00	0	1	1	145
42	K0912422-001 1/5 +50A	Unknown	0 kg	0 ml	1.00	1	3	2	145
43	K0912422-001 1/25S	Unknown	0 kg	0 ml	1.00	1	3	3	145
44	K0912429-001 1/5	Unknown	0 kg	0 ml	1.00	1	3	4	145
45	K0912179-MB	Unknown	0 kg	0 ml	1.00	1	3	5	145
46	LCSW K0912179	Unknown	0 kg	0 ml	1.00	1	3	6	145
47	K0912179-018	Unknown	0 kg	0 ml	1.00	1	3	7	145
48	K0912179-018D	Unknown	0 kg	0 ml	1.00	1	3	8	145

49	K0912179-018 1/5L	Unknown	0 kg	0 ml	1.00	1	3	9	145
50	K0912179-018 +20A	Unknown	0 kg	0 ml	1.00	1	3	10	145
51	K0912179-018S	Unknown	0 kg	0 ml	1.00	1	3	11	145
52	CCV5	Unknown	0 kg	0 ml	1.00	0	1	2	145
53	CCB5	Unknown	0 kg	0 ml	1.00	0	1	1	145
54	K0912179-002	Unknown	0 kg	0 ml	1.00	1	3	12	145
55	K0912179-003	Unknown	0 kg	0 ml	1.00	1	4	1	145
56	K0912179-004	Unknown	0 kg	0 ml	1.00	1	4	2	145
57	K0912179-005	Unknown	0 kg	0 ml	1.00	1	4	3	145
58	K0912179-006	Unknown	0 kg	0 ml	1.00	1	4	4	145
59	K0912179-007	Unknown	0 kg	0 ml	1.00	1	4	5	145
60	K0912179-008	Unknown	0 kg	0 ml	1.00	1	4	6	145
61	K0912179-010	Unknown	0 kg	0 ml	1.00	1	4	7	145
62	K0912179-011	Unknown	0 kg	0 ml	1.00	1	4	8	145
63	K0912179-012	Unknown	0 kg	0 ml	1.00	1	4	9	145
64	CCV6	Unknown	0 kg	0 ml	1.00	0	1	2	145
65	CCB6	Unknown	0 kg	0 ml	1.00	0	1	1	145
66	K0912179-014	Unknown	0 kg	0 ml	1.00	1	4	11	145
67	K0912179-015	Unknown	0 kg	0 ml	1.00	1	4	12	145
68	K0912179-016	Unknown	0 kg	0 ml	1.00	1	5	1	145
69	K0912179-017	Unknown	0 kg	0 ml	1.00	1	5	2	145
70	K0912179-019	Unknown	0 kg	0 ml	1.00	1	5	3	145
71	K0912179-020	Unknown	0 kg	0 ml	1.00	1	5	4	145
72	K0912179-MB	Unknown	0 kg	0 ml	1.00	1	5	5	145
73	LCSW K0912179	Unknown	0 kg	0 ml	1.00	1	5	6	145
74	CCV7	Unknown	0 kg	0 ml	1.00	0	1	2	145
75	CCB7	Unknown	0 kg	0 ml	1.00	0	1	1	145
76	K0912179-030	Unknown	0 kg	0 ml	1.00	1	5	7	145
77	K0912179-030D	Unknown	0 kg	0 ml	1.00	1	5	8	145
78	K0912179-030 1/5L	Unknown	0 kg	0 ml	1.00	1	5	9	145
79	K0912179-030 +20A	Unknown	0 kg	0 ml	1.00	1	5	10	145
80	K0912179-030S	Unknown	0 kg	0 ml	1.00	1	5	11	145
81	K0912179-022	Unknown	0 kg	0 ml	1.00	1	5	12	145
82	K0912179-023	Unknown	0 kg	0 ml	1.00	2	1	1	145
83	K0912179-024	Unknown	0 kg	0 ml	1.00	2	1	2	145
84	K0912179-025	Unknown	0 kg	0 ml	1.00	2	1	3	145
85	K0912179-026	Unknown	0 kg	0 ml	1.00	2	1	4	145
86	CCV8	Unknown	0 kg	0 ml	1.00	0	1	2	145
87	CCB8	Unknown	0 kg	0 ml	1.00	0	1	1	145
88	K0912179-027	Unknown	0 kg	0 ml	1.00	2	1	5	145
89	K0912179-028	Unknown	0 kg	0 ml	1.00	2	1	6	145
90	K0912179-029	Unknown	0 kg	0 ml	1.00	2	1	7	145
91	K0912179-031	Unknown	0 kg	0 ml	1.00	2	1	8	145
92	K0912179-032	Unknown	0 kg	0 ml	1.00	2	1	9	145
93	K0912179-034	Unknown	0 kg	0 ml	1.00	2	1	10	145
94	K0912179-035	Unknown	0 kg	0 ml	1.00	2	1	11	145
95	K0912179-036	Unknown	0 kg	0 ml	1.00	2	1	12	145
96	K0912179-037	Unknown	0 kg	0 ml	1.00	2	2	1	145
97	K0912179-038	Unknown	0 kg	0 ml	1.00	2	2	2	145
98	CCV9	Unknown	0 kg	0 ml	1.00	0	1	2	145
99	CCB9	Unknown	0 kg	0 ml	1.00	0	1	1	145

100	K0912179-039	Unknown	0 kg	0 ml	1.00	2	2	3	145
101	K0912179-040	Unknown	0 kg	0 ml	1.00	2	2	4	145
102	K0912179-MB	Unknown	0 kg	0 ml	1.00	2	2	5	145
103	LCSW K0912179	Unknown	0 kg	0 ml	1.00	2	2	6	145
104	K0912179-048	Unknown	0 kg	0 ml	1.00	2	2	7	145
105	K0912179-048D	Unknown	0 kg	0 ml	1.00	2	2	8	145
106	K0912179-048 1/5	Unknown	0 kg	0 ml	1.00	2	2	9	145
107	K0912179-048 +20	Unknown	0 kg	0 ml	1.00	2	2	10	145
108	K0912179-048S	Unknown	0 kg	0 ml	1.00	2	2	11	145
109	CCV10	Unknown	0 kg	0 ml	1.00	0	1	2	145
110	CCB10	Unknown	0 kg	0 ml	1.00	0	1	1	145
111	K0912179-042	Unknown	0 kg	0 ml	1.00	2	2	12	145
112	K0912179-043	Unknown	0 kg	0 ml	1.00	2	3	1	145
113	K0912179-044	Unknown	0 kg	0 ml	1.00	2	3	2	145
114	K0912179-045	Unknown	0 kg	0 ml	1.00	2	3	3	145
115	K0912179-046	Unknown	0 kg	0 ml	1.00	2	3	4	145
116	K0912179-047	Unknown	0 kg	0 ml	1.00	2	3	5	145
117	K0912179-049	Unknown	0 kg	0 ml	1.00	2	3	6	145
118	K0912179-050	Unknown	0 kg	0 ml	1.00	2	3	7	145
119	K0912179-051	Unknown	0 kg	0 ml	1.00	2	3	8	145
120	K0912179-052	Unknown	0 kg	0 ml	1.00	2	3	9	145
121	CCV11	Unknown	0 kg	0 ml	1.00	0	1	2	145
122	CCB11	Unknown	0 kg	0 ml	1.00	0	1	1	145
123	K0912179-MB	Unknown	0 kg	0 ml	1.00	2	3	10	145
124	LCSW K0912179	Unknown	0 kg	0 ml	1.00	2	3	11	145
125	K0912179-002 DISS	Unknown	0 kg	0 ml	1.00	2	3	12	145
126	K0912179-002 DISSD	Unknown	0 kg	0 ml	1.00	2	4	1	145
127	K0912179-002 DISS	Unknown	0 kg	0 ml	1.00	2	4	2	145
128	^{1/51} K0912179-002 DISS	Unknown	0 kg	0 ml	1.00	2	4	3	145
129	^{1/20A} K0912179-002 DISSS	Unknown	0 kg	0 ml	1.00	2	4	4	145
130	K0912179-003 DISS	Unknown	0 kg	0 ml	1.00	2	4	5	145
131	K0912179-004 DISS	Unknown	0 kg	0 ml	1.00	2	4	6	145
132	K0912179-006 DISS	Unknown	0 kg	0 ml	1.00	2	4	7	145
133	CCV12	Unknown	0 kg	0 ml	1.00	0	1	2	145
134	CCB12	Unknown	0 kg	0 ml	1.00	0	1	1	145
135	K0912179-007 DISS	Unknown	0 kg	0 ml	1.00	2	4	8	145
136	K0912179-010 DISS	Unknown	0 kg	0 ml	1.00	2	4	9	145
137	K0912179-032 DISS	Unknown	0 kg	0 ml	1.00	2	4	10	145
138	K0912179-038 DISS	Unknown	0 kg	0 ml	1.00	2	4	11	145
139	K0912179-043 DISS	Unknown	0 kg	0 ml	1.00	2	4	12	145
140	CCV13	Unknown	0 kg	0 ml	1.00	0	1	2	145
141	CCB13	Unknown	0 kg	0 ml	1.00	0	1	1	145

Instrument Setup - Sample Configuration

Sample	Configuration	Date
All Samples	acqmet11	8:43:28 12/24/09

Instrument Setup - Configurations

Configuration Name - acqmet11
 Description - PQExcell CCT Sim Default
 Date - 8:43:28 12/24/09
 Maximum Uptake Time - 0
 Maximum Washout Time - 0
 S-Option Pump Running - No
 Plasma Screen Forward - No
 Makeup Gas On - No
 Use CCT - No
 Use Accessory Gas - No

Setting	Value
Extraction	-420.00
Lens1	-5.00
Lens2	-75.00
Lens3	5.00
Pole Bias	3.40
Sampling Depth	350.00
Horizontal	-80.00
Vertical	75.00
Cool	13.00
Auxiliary	0.60
Nebuliser	0.80
Forward power	1,360.00
HT1 Voltage	1,900.00
HT2 Voltage	2,600.00
D1	-34.00
Focus	12.00

Mass	Mass DAC	Peak Width (AMU)	Error (AMU)	Include
6.015	1289	0.716	-0.02	TRUE
7.016	1542	0.767	-0.026	TRUE
9.012	2049	0.767	-0.028	TRUE
23.985	5874	0.716	0.039	TRUE
24.986	6127	0.767	0.033	TRUE
25.983	6381	0.716	0.035	TRUE
45.953	11449	0.766	-0.013	TRUE
51.94	12977	0.817	0.005	TRUE
53.949	13484	0.817	-0.011	TRUE
55.935	13991	0.817	-0.004	TRUE
56.935	14251	0.817	0.017	TRUE
57.934	14504	0.766	0.013	TRUE
58.933	14758	0.817	0.012	TRUE
75.92	19074	0.817	-0.017	TRUE
77.919	19581	0.817	-0.024	TRUE
112.904	28490	0.868	-0.018	TRUE
114.904	28997	0.868	-0.027	TRUE
139.905	35374	0.816	0.006	TRUE
141.908	35887	0.765	0.016	TRUE
205.974	52215	0.765	0.005	TRUE
206.976	52475	0.765	0.023	TRUE
207.977	52722	0.765	-0.009	TRUE
208.98	52982	0.765	0.007	TRUE
238.051	60392	0.764	-0.016	TRUE

Excluded In Calib	Excluded In Results	Multi Element	Internal Standard	Standard Addition				
Uncorrected ICPS Per Mass		S-Calibration Has Edited Standard F-Interference Correction Failed	E-Calibration Edited T-Tripped	I-Invalid Calibration P-Pulse Counting	V-Valley Integration Failed M-Result Over Max			
Run	Label	TimeStamp	59Co	7Li	9Be	59Co	115In	208Pb
1	Stability 12/29/09	12/29/2009 9:53:14 A	(P)0.833	(P)9900.096	(P)3360.062	(P)24085.298	(P)20624.044	(P)6048.780
2	Stability 12/29/09	12/29/2009 9:54:16 A	(P)0.333	(P)9733.648	(P)3317.218	(P)24247.079	(P)21154.486	(P)6218.187
3	Stability 12/29/09	12/29/2009 9:55:18 A	(P)0.333	(P)9841.556	(P)3263.206	(P)24568.622	(P)21578.619	(P)6428.113
4	Stability 12/29/09	12/29/2009 9:56:20 A	(P)0.500	(P)9861.403	(P)3241.701	(P)24736.755	(P)21886.420	(P)6522.489
5	Stability 12/29/09	12/29/2009 9:57:22 A	(P)0.500	(P)9760.667	(P)3261.372	(P)24442.916	(P)21899.774	(P)6580.849
	Mean of Stability 12/29	12/29/2009 9:52:37 A	(P)0.500	(P)9819.474	(P)3288.712	(P)24416.134	(P)21428.669	(P)6359.684
	SD of Stability 12/29/09		(P)0.204	(P)69.946	(P)48.763	(P)257.293	(P)542.347	(P)221.802
	%RSD of Stability 12		(P)40.825	(P)0.712	(P)1.483	(P)1.054	(P)2.531	(P)3.488

Run	Label	TimeStamp	209Bi	238U	238U
1	Stability 12/29/09	12/29/2009 9:53:14 A	(P)9820.709	(P)0.000	(P)10335.739
2	Stability 12/29/09	12/29/2009 9:54:16 A	(P)10050.868	(P)0.000	(P)10548.395
3	Stability 12/29/09	12/29/2009 9:55:18 A	(P)10407.290	(P)0.000	(P)11044.439
4	Stability 12/29/09	12/29/2009 9:56:20 A	(P)10676.155	(P)0.000	(P)11187.380
5	Stability 12/29/09	12/29/2009 9:57:22 A	(P)10649.135	(P)0.167	(P)11218.405
	Mean of Stability 12/29	12/29/2009 9:52:37 A	(P)10320.832	(P)0.033	(P)10866.872
	SD of Stability 12/29/09		(P)375.671	(P)0.075	(P)400.425
	%RSD of Stability 12		(P)3.640	(P)223.607	(P)3.685

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		Cal. Blk			Mean	SD	%RSD
TimeStamp		12/29/09 14:23					
Arsenic	75	0.0766	-0.09	0.0134	0	0.0841	0
Cadmium	111	0.0002	0.001	-0.0013	0	0.0012	0
Cadmium	114	0.0006	-0.0023	0.0017	0	0.0021	0
Lead	206	0.0021	-0.0013	-0.0007	0	0.0018	0
Lead	207	-0.0031	0.0009	0.0023	0	0.0028	0
Lead	208	0.0006	-0.001	0.0004	0	0.0009	0
Molybdenum	95	-0.0049	0.0054	-0.0005	0	0.0052	0
Molybdenum	97	-0.0014	0.002	-0.0006	0	0.0018	0
Molybdenum	98	-0.003	0.0034	-0.0005	0	0.0032	0
Selenium	77	-0.1513	0.1676	-0.0163	0	0.1601	0
Selenium	78	0.0011	0.211	-0.2121	0	0.2116	0
Selenium	82	0.209	-0.2533	0.0442	0	0.2343	0
Thallium	203	-0.0001	0.0011	-0.0009	0	0.001	0
Thallium	205	0.0002	-0.0001	-0.0001	0	0.0002	0

**Internal Standard
 Factors:**

Rhodium	103	0.999	0.999	1.002	0.999 n/a	n/a
Indium	115	0.994	1.002	1.004	0.994 n/a	n/a
Lutetium	175	1.007	0.991	1.002	1.007 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		Cal. Stn			Mean	SD	%RSD
TimeStamp		12/29/09 14:25					
Arsenic	75	24.93	24.79	25.27	25	0.2474	0.9897
Cadmium	111	24.81	24.92	25.28	25	0.2457	0.9828
Cadmium	114	24.93	25.04	25.04	25	0.0622	0.2486
Lead	206	24.48	25.22	25.31	25	0.4552	1.821
Lead	207	24.49	24.95	25.56	25	0.533	2.132
Lead	208	24.46	25.17	25.38	25	0.4812	1.925
Molybdenum	95	24.66	24.95	25.39	25	0.3669	1.468
Molybdenum	97	24.83	24.78	25.4	25	0.3433	1.373
Molybdenum	98	24.46	25.07	25.47	25	0.5071	2.029
Selenium	77	25.23	25.21	24.56	25	0.3839	1.535
Selenium	78	25.57	24.69	24.74	25	0.4918	1.967
Selenium	82	24.9	24.47	25.63	25	0.5894	2.358
Thallium	203	24.64	24.99	25.37	25	0.3678	1.471
Thallium	205	24.78	25.2	25.02	25	0.2125	0.8501

**Internal Standard
 Factors:**

Rhodium	103	1	0.971	0.978	1	n/a	n/a
Indium	115	0.998	0.985	0.992	0.998	n/a	n/a
Lutetium	175	0.996	1	1.009	0.996	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:	ICV1	Mean	SD	%RSD
TimeStamp	12/29/09 14:31			
Arsenic 75	24.11	24.62	24.42	24.38 0.2543 1.043
Cadmium 111	12.18	12.15	11.95	12.09 0.1233 1.02
Cadmium 114	11.89	12.04	11.94	11.96 0.0723 0.6047
Lead 206	22.21	22.32	23.25	22.6 0.5732 2.537
Lead 207	24.96	25.05	25.5	25.17 0.2862 1.137
Lead 208	23.62	23.75	24.26	23.88 0.3397 1.423
Molybdenum 95	23.48	24.63	24.59	24.23 0.6553 2.704
Molybdenum 97	23.1	24.36	24.13	23.86 0.6724 2.818
Molybdenum 98	23.37	24.33	24.33	24.01 0.5541 2.307
Selenium 77	23.88	24.04	23.87	23.93 0.0956 0.3997
Selenium 78	24.72	23.79	23.78	24.1 0.5402 2.242
Selenium 82	25.12	24.78	24.9	24.93 0.1747 0.7007
Thallium 203	24.08	24.16	24.34	24.19 0.1305 0.5395
Thallium 205	24.04	23.94	24.25	24.08 0.1571 0.6525

Internal Standard Factors:

Rhodium 103	1.01	1.009	0.995	1.01 n/a n/a
Indium 115	1.021	1.002	0.997	1.021 n/a n/a
Lutetium 175	1.004	1.012	1.013	1.004 n/a n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		CCV1			Mean	SD	%RSD
TimeStamp		12/29/09 14:35					
Arsenic	75	26.78	24.33	25.43	25.51	1.228	4.815
Cadmium	111	26.83	24.89	25.18	25.63	1.046	4.08
Cadmium	114	27.04	24.7	24.9	25.55	1.296	5.074
Lead	206	27.23	25.12	24.99	25.78	1.257	4.875
Lead	207	26.82	24.96	25.08	25.62	1.041	4.062
Lead	208	27.04	25.05	24.86	25.65	1.206	4.703
Molybdenum	95	27.06	25.25	25.54	25.95	0.9744	3.754
Molybdenum	97	26.58	25.1	25.44	25.71	0.7747	3.013
Molybdenum	98	26.87	24.81	25.66	25.78	1.033	4.006
Selenium	77	27.03	25.4	24.03	25.49	1.502	5.893
Selenium	78	27.15	24.34	25.33	25.61	1.427	5.574
Selenium	82	26.64	24.1	25.61	25.45	1.282	5.039
Thallium	203	26.55	25.32	25.19	25.69	0.7504	2.921
Thallium	205	26.42	25.27	25	25.56	0.7532	2.946

**Internal Standard
 Factors:**

Rhodium	103	1.069	1.005	1.015	1.069	n/a	n/a
Indium	115	1.082	1.022	1.02	1.082	n/a	n/a
Lutetium	175	1.07	1.025	1.011	1.07	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:	ICB1				Mean	SD	%RSD
TimeStamp	12/29/09 14:40						
Arsenic	75	0.0914	0.0926	0.0051	0.063	0.0502	79.59
Cadmium	111	0.0003	0.0019	0.0011	0.0011	0.0008	70.49
Cadmium	114	-0.0005	0.0001	0.0025	0.0007	0.0016	231
Lead	206	0.0034	0.0018	0.0053	0.0035	0.0017	50.08
Lead	207	0.002	0.0001	0.0077	0.0033	0.004	121.1
Lead	208	0.0026	0.0013	0.0042	0.0027	0.0014	54.01
Molybdenum	95	0.1387	0.1327	0.1114	0.1276	0.0144	11.26
Molybdenum	97	0.1532	0.1187	0.1384	0.1368	0.0173	12.64
Molybdenum	98	0.1325	0.1285	0.1149	0.1253	0.0092	7.377
Selenium	77	-0.1744	-0.2177	-0.109	-0.167	0.0547	32.77
Selenium	78	0.2294	0.0577	0.4072	0.2314	0.1747	75.5
Selenium	82	0.2234	0.166	-0.1124	0.0923	0.1796	194.5
Thallium	203	0.0032	0.0019	0.0028	0.0027	0.0006	24.43
Thallium	205	0.0029	0.0032	0.0008	0.0023	0.0013	55.98

**Internal Standard
 Factors:**

Rhodium	103	1.043	1.042	1.045	1.043	n/a	n/a
Indium	115	1.046	1.032	1.041	1.046	n/a	n/a
Lutetium	175	1.03	1.021	1.034	1.03	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		CCB1			Mean	SD	%RSD
TimeStamp		12/29/09 14:43					
Arsenic	75	0.0491	0.0695	0.076	0.0648	0.014	21.64
Cadmium	111	0.0003	-0.0013	-0.0005	-0.0005	0.0008	161.3
Cadmium	114	-0.0026	-0.0016	0	-0.0014	0.0013	94.96
Lead	206	0.0008	0.0026	0.0015	0.0016	0.0009	56.65
Lead	207	0.0024	0.0036	0.0016	0.0025	0.001	39.05
Lead	208	0.0047	0	-0.0007	0.0013	0.0029	222
Molybdenum	95	0.0687	0.0562	0.0539	0.0596	0.008	13.37
Molybdenum	97	0.0875	0.0667	0.0561	0.0701	0.016	22.83
Molybdenum	98	0.0579	0.0603	0.0558	0.058	0.0022	3.878
Selenium	77	-0.2972	-0.2506	-0.3723	-0.3067	0.0614	20.02
Selenium	78	-0.3383	-0.6837	-0.5875	-0.5365	0.1783	33.23
Selenium	82	-0.0625	0.0841	-0.0182	0.0011	0.0752	6721
Thallium	203	0.0015	0.0023	0.0007	0.0015	0.0008	54.73
Thallium	205	0.0014	-0.0001	0.0009	0.0007	0.0008	103.5

**Internal Standard
 Factors:**

Rhodium	103	1.039	1.029	0.999	1.039	n/a	n/a
Indium	115	1.031	1.035	1.005	1.031	n/a	n/a
Lutetium	175	1.012	1.011	1.001	1.012	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		WATER CRA			Mean	SD	%RSD
TimeStamp		12/29/09 14:45					
Arsenic	75	0.5984	0.6166	0.6639	0.6263	0.0338	5.398
Cadmium	111	0.0232	0.0191	0.0151	0.0191	0.0041	21.28
Cadmium	114	0.0199	0.0231	0.0206	0.0212	0.0017	7.888
Lead	206	0.0254	0.0207	0.0269	0.0243	0.0033	13.38
Lead	207	0.0201	0.0318	0.0224	0.0247	0.0062	25.01
Lead	208	0.0211	0.0273	0.0221	0.0235	0.0033	14.17
Molybdenum	95	0.0727	0.0844	0.0836	0.0803	0.0065	8.145
Molybdenum	97	0.0995	0.0907	0.0905	0.0935	0.0052	5.515
Molybdenum	98	0.0795	0.0956	0.0849	0.0866	0.0082	9.455
Selenium	77	0.8902	1.184	0.6525	0.9088	0.2661	29.28
Selenium	78	0.8506	1.208	1.36	1.14	0.2613	22.93
Selenium	82	1.213	1.562	1.261	1.345	0.1892	14.07
Thallium	203	0.0194	0.0197	0.0201	0.0197	0.0003	1.764
Thallium	205	0.0168	0.0212	0.0181	0.0187	0.0023	12.2

**Internal Standard
 Factors:**

Rhodium	103	1.043	1.047	1.028	1.043 n/a	n/a
Indium	115	1.047	1.034	1.03	1.047 n/a	n/a
Lutetium	175	0.993	1.027	1.007	0.993 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		ICSA			Mean	SD	%RSD
TimeStamp		12/29/09 14:50					
Arsenic	75	0.037	0.1663	0.24	0.1478	0.1028	69.57
Cadmium	111	0.11	0.131	0.1395	0.1268	0.0152	11.99
Cadmium	114	0.0884	0.0881	0.089	0.0885	0.0005	0.5486
Lead	206	0.0969	0.0985	0.1128	0.1027	0.0088	8.543
Lead	207	0.1222	0.1185	0.112	0.1176	0.0052	4.41
Lead	208	0.1086	0.1084	0.1101	0.1091	0.0009	0.8093
Molybdenum	95	45.1	46.4	46.53	46.01	0.7901	1.717
Molybdenum	97	44.02	45.82	46.18	45.34	1.154	2.546
Molybdenum	98	44.67	46.73	47.23	46.21	1.356	2.935
Selenium	77	4.51	4.198	3.589	4.099	0.4685	11.43
Selenium	78	1.115	0.0323	0.8729	0.6733	0.5682	84.38
Selenium	82	-0.0024	0.4578	0.2088	0.2214	0.2303	104
Thallium	203	0.1074	0.0896	0.0728	0.0899	0.0173	19.24
Thallium	205	0.0993	0.0878	0.0757	0.0876	0.0118	13.43

**Internal Standard
 Factors:**

Rhodium	103	1.117	1.13	1.123	1.117 n/a	n/a
Indium	115	1.092	1.101	1.095	1.092 n/a	n/a
Lutetium	175	1.066	1.068	1.061	1.066 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		ICSAB			Mean	SD	%RSD
TimeStamp		12/29/09 14:53					
Arsenic	75	25.08	24.84	24.74	24.89	0.1769	0.7108
Cadmium	111	23.91	23.98	23.91	23.93	0.0393	0.1643
Cadmium	114	23.45	23.69	23.59	23.57	0.1245	0.528
Lead	206	0.1123	0.1285	0.1242	0.1217	0.0084	6.917
Lead	207	0.1186	0.1267	0.1484	0.1312	0.0154	11.73
Lead	208	0.1179	0.1233	0.1361	0.1258	0.0094	7.444
Molybdenum	95	46.71	48.79	48.18	47.89	1.069	2.232
Molybdenum	97	47.75	48.57	48.64	48.32	0.4982	1.031
Molybdenum	98	47.39	48.18	47.91	47.83	0.4027	0.8419
Selenium	77	27.98	29.4	28.21	28.53	0.7618	2.67
Selenium	78	25.29	25.37	25.3	25.32	0.047	0.1857
Selenium	82	22.72	23.51	23.18	23.14	0.4008	1.732
Thallium	203	0.0739	0.0753	0.0656	0.0716	0.0052	7.325
Thallium	205	0.0697	0.067	0.0639	0.0668	0.0029	4.306

**Internal Standard
 Factors:**

Rhodium	103	1.145	1.144	1.116	1.145	n/a	n/a
Indium	115	1.129	1.119	1.104	1.129	n/a	n/a
Lutetium	175	1.09	1.096	1.082	1.09	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		K0912023-MB			Mean	SD	%RSD
TimeStamp		12/29/09 14:58					
Arsenic	75	0.105	0.1518	0.0792	0.112	0.0368	32.88
Cadmium	111	0.0107	0.0082	0.0049	0.0079	0.0029	36.59
Cadmium	114	0.0033	0.0064	0.0045	0.0047	0.0015	32.81
Lead	206	0.0082	0.0104	0.0027	0.0071	0.004	56.22
Lead	207	0.0084	0.0112	0.0031	0.0076	0.0041	54.77
Lead	208	0.0065	0.0099	0.0039	0.0068	0.003	44.29
Molybdenum	95	0.1983	0.1966	0.1451	0.18	0.0302	16.8
Molybdenum	97	0.1876	0.151	0.1692	0.1693	0.0183	10.81
Molybdenum	98	0.179	0.1589	0.142	0.16	0.0185	11.58
Selenium	77	-0.0648	-0.3374	-0.2372	-0.2131	0.1379	64.71
Selenium	78	-0.0025	-0.443	-0.4515	-0.299	0.2568	85.88
Selenium	82	0.3333	0.2962	0.068	0.2325	0.1436	61.78
Thallium	203	0.0062	0.0042	0.0044	0.0049	0.0011	22.34
Thallium	205	0.0043	0.0026	0.0054	0.0041	0.0014	33.61

**Internal Standard
 Factors:**

Rhodium	103	1.058	1.039	1.013	1.058	n/a	n/a
Indium	115	1.051	1.044	1.021	1.051	n/a	n/a
Lutetium	175	1.035	1.051	1.016	1.035	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		LCSW K0912023			Mean	SD	%RSD
TimeStamp		12/29/09 15:05					
Arsenic	75	19.52	19.51	19.53	19.52	0.0127	0.0648
Cadmium	111	20.04	20.12	20.03	20.06	0.0517	0.2575
Cadmium	114	20.08	19.76	19.78	19.87	0.1844	0.9277
Lead	206	19.23	19.3	19.08	19.21	0.112	0.5833
Lead	207	19.37	19.38	19.28	19.35	0.0529	0.2733
Lead	208	19.18	19.15	19.07	19.13	0.0556	0.2908
Molybdenum	95	19.18	19.62	19.76	19.52	0.3045	1.56
Molybdenum	97	18.85	19.79	19.99	19.55	0.6081	3.111
Molybdenum	98	19.16	19.69	19.8	19.55	0.3437	1.758
Selenium	77	18.98	18.64	18.51	18.71	0.242	1.294
Selenium	78	19.7	19.51	18.7	19.3	0.5336	2.764
Selenium	82	19.69	19.05	18.61	19.11	0.5465	2.859
Thallium	203	19.34	19.03	19.32	19.23	0.1755	0.9128
Thallium	205	19.07	19.19	19.43	19.23	0.1839	0.9562

Internal Standard Factors:

Rhodium	103	1.028	1.017	1.001	1.028	n/a	n/a
Indium	115	1.029	1.016	1.011	1.029	n/a	n/a
Lutetium	175	1.025	1.004	0.993	1.025	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		K0912023-004			Mean	SD	%RSD
TimeStamp		12/29/09 15:09					
Arsenic	75	1.26	1.32	1.291	1.29	0.0302	2.34
Cadmium	111	0.1578	0.1414	0.1064	0.1352	0.0263	19.42
Cadmium	114	0.1382	0.1308	0.1014	0.1235	0.0195	15.77
Lead	206	0.0229	0.0191	0.0254	0.0225	0.0032	14.12
Lead	207	0.0246	0.0259	0.0297	0.0267	0.0026	9.848
Lead	208	0.0234	0.0207	0.0235	0.0225	0.0016	7.189
Molybdenum	95	0.7236	0.7184	0.6953	0.7125	0.0151	2.114
Molybdenum	97	0.6443	0.6587	0.6433	0.6487	0.0086	1.333
Molybdenum	98	0.6753	0.6464	0.6291	0.6503	0.0233	3.588
Selenium	77	0.6628	0.5612	0.6077	0.6106	0.0509	8.328
Selenium	78	1.425	1.64	1.375	1.48	0.141	9.528
Selenium	82	1.462	1.886	1.825	1.724	0.2291	13.29
Thallium	203	0.0092	0.0088	0.0098	0.0093	0.0005	5.412
Thallium	205	0.0114	0.0125	0.0082	0.0107	0.0022	20.67

**Internal Standard
 Factors:**

Rhodium	103	1.118	1.099	1.109	1.118	n/a	n/a
Indium	115	1.106	1.1	1.092	1.106	n/a	n/a
Lutetium	175	1.052	1.053	1.068	1.052	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		K0912023-004 1/5L			Mean	SD	%RSD
TimeStamp		12/29/09 15:12					
Arsenic	75	0.3879	0.353	0.2774	0.3394	0.0565	16.65
Cadmium	111	0.0289	0.0217	0.0239	0.0248	0.0037	14.82
Cadmium	114	0.0336	0.0214	0.0229	0.026	0.0067	25.69
Lead	206	0.0047	0.002	0.0082	0.005	0.0031	62.68
Lead	207	0.0107	0.0102	0.0078	0.0095	0.0015	16.26
Lead	208	0.007	0.0056	0.0075	0.0067	0.001	14.69
Molybdenum	95	0.15	0.1533	0.1612	0.1548	0.0058	3.718
Molybdenum	97	0.1692	0.1426	0.1535	0.1551	0.0134	8.619
Molybdenum	98	0.1637	0.1609	0.1611	0.1619	0.0015	0.9544
Selenium	77	-0.0815	-0.0789	-0.1292	-0.0965	0.0283	29.34
Selenium	78	0.4712	0.4061	0.1514	0.3429	0.169	49.29
Selenium	82	0.7255	0.5674	0.2072	0.5	0.2656	53.12
Thallium	203	0.0008	0.0032	0.0045	0.0028	0.0019	66.57
Thallium	205	0.0033	0.0008	0.0012	0.0018	0.0014	76.94

Internal Standard Factors:

Rhodium	103	1.048	1.044	1.045	1.048	n/a	n/a
Indium	115	1.052	1.051	1.04	1.052	n/a	n/a
Lutetium	175	1.054	1.033	1.036	1.054	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		K0912023-004 +20A			Mean	SD	%RSD
TimeStamp		12/29/09 15:14					
Arsenic	75	22.29	21.99	21.9	22.06	0.2045	0.927
Cadmium	111	19.92	19.59	19.28	19.6	0.3158	1.612
Cadmium	114	19.66	19.4	19.3	19.45	0.1863	0.9575
Lead	206	18.75	18.66	18.73	18.71	0.0475	0.2535
Lead	207	18.88	18.66	18.66	18.74	0.1247	0.6655
Lead	208	18.64	18.57	18.71	18.64	0.0682	0.3659
Molybdenum	95	21.11	21.07	21.63	21.27	0.3119	1.466
Molybdenum	97	20.99	21.09	21.84	21.31	0.4651	2.183
Molybdenum	98	20.9	21.08	21.5	21.16	0.3055	1.444
Selenium	77	20.21	20.58	20.5	20.43	0.1955	0.9568
Selenium	78	22.58	21.49	22.52	22.19	0.6145	2.769
Selenium	82	22.06	21.43	22.58	22.03	0.5772	2.621
Thallium	203	19.02	18.78	19.44	19.08	0.3326	1.743
Thallium	205	19.04	18.85	18.84	18.91	0.1156	0.6113

**Internal Standard
Factors:**

Rhodium	103	1.094	1.068	1.078	1.094	n/a	n/a
Indium	115	1.087	1.054	1.051	1.087	n/a	n/a
Lutetium	175	1.06	1.037	1.037	1.06	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		K0912023-004S			Mean	SD	%RSD
TimeStamp		12/29/09 15:18					
Arsenic	75	22.25	19.53	21.48	21.09	1.4	6.641
Cadmium	111	19.83	17.64	19.1	18.86	1.111	5.89
Cadmium	114	19.48	17.37	18.93	18.59	1.094	5.884
Lead	206	18.82	16.72	18.15	17.89	1.073	5.997
Lead	207	18.83	16.69	18.57	18.03	1.169	6.482
Lead	208	18.77	16.59	18.41	17.92	1.171	6.534
Molybdenum	95	21.62	19.57	21.73	20.97	1.218	5.806
Molybdenum	97	21.32	19.69	21.45	20.82	0.9816	4.715
Molybdenum	98	21.57	19.5	21.39	20.82	1.146	5.506
Selenium	77	21.9	18.49	19.58	19.99	1.742	8.714
Selenium	78	22.43	19.52	22.02	21.33	1.577	7.394
Selenium	82	22.27	18.59	21.22	20.7	1.9	9.181
Thallium	203	18.79	17.2	18.67	18.22	0.8876	4.871
Thallium	205	18.72	17.28	18.35	18.12	0.7478	4.127

**Internal Standard
Factors:**

Rhodium	103	1.117	1.049	1.091	1.117	n/a	n/a
Indium	115	1.107	1.036	1.075	1.107	n/a	n/a
Lutetium	175	1.073	0.999	1.047	1.073	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		K0912023-004SD			Mean	SD	%RSD
TimeStamp		12/29/09 15:22					
Arsenic	75	22.27	21.25	21.79	21.77	0.5094	2.34
Cadmium	111	20.44	18.68	18.7	19.27	1.01	5.242
Cadmium	114	20.31	18.77	18.78	19.29	0.8903	4.616
Lead	206	19.06	17.91	17.95	18.31	0.6558	3.582
Lead	207	19	18	17.86	18.28	0.6211	3.397
Lead	208	18.86	17.81	17.68	18.12	0.6487	3.581
Molybdenum	95	21.9	21.28	21.09	21.42	0.4208	1.964
Molybdenum	97	21.74	20.88	21.06	21.23	0.4547	2.142
Molybdenum	98	21.66	21.32	21.2	21.39	0.2405	1.124
Selenium	77	20.64	20.22	18.8	19.89	0.9611	4.832
Selenium	78	23.27	21.07	21.07	21.8	1.274	5.842
Selenium	82	22.19	21.42	21.38	21.66	0.4542	2.097
Thallium	203	18.79	18.33	18.13	18.42	0.3383	1.836
Thallium	205	18.87	18.06	18.15	18.36	0.4442	2.419

**Internal Standard
 Factors:**

Rhodium	103	1.144	1.115	1.099	1.144	n/a	n/a
Indium	115	1.138	1.097	1.079	1.138	n/a	n/a
Lutetium	175	1.084	1.047	1.034	1.084	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		CCV2			Mean	SD	%RSD
TimeStamp		12/29/09 15:26					
Arsenic	75	25.35	24.21	24.03	24.53	0.7123	2.903
Cadmium	111	24.89	25.06	24.78	24.91	0.1365	0.5479
Cadmium	114	24.5	24.78	24.52	24.6	0.1551	0.6304
Lead	206	24.56	24.59	24.24	24.46	0.1948	0.7964
Lead	207	24.19	24.39	24.61	24.4	0.2073	0.8495
Lead	208	24.23	24.39	24.49	24.37	0.1345	0.5519
Molybdenum	95	24.22	25.39	25.23	24.95	0.6365	2.552
Molybdenum	97	24.55	25.38	25.37	25.1	0.4785	1.906
Molybdenum	98	24.63	25.22	25.08	24.98	0.3043	1.218
Selenium	77	24.66	26.18	24.19	25.01	1.043	4.171
Selenium	78	24.84	24.82	24.06	24.57	0.4489	1.827
Selenium	82	25.78	23.41	23.85	24.34	1.263	5.189
Thallium	203	24.42	24.97	24.73	24.71	0.2771	1.121
Thallium	205	24.42	24.49	24.53	24.48	0.0577	0.2357

**Internal Standard
 Factors:**

Rhodium	103	1.006	1.001	0.982	1.006 n/a	n/a
Indium	115	1.008	0.989	0.987	1.008 n/a	n/a
Lutetium	175	1.015	1.02	1.007	1.015 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		CCB2			Mean	SD	%RSD
TimeStamp		12/29/09 15:33					
Arsenic	75	0.044	0.1419	0.0473	0.0777	0.0556	71.54
Cadmium	111	0.0056	0.0034	0.0042	0.0044	0.0011	25.4
Cadmium	114	0.0065	0.0032	0.008	0.0059	0.0024	41.47
Lead	206	0.0017	0.0041	0.0027	0.0028	0.0012	42.91
Lead	207	0.0092	0.0118	0.0023	0.0078	0.0049	63.17
Lead	208	0.0066	0.0063	0.004	0.0056	0.0014	24.89
Molybdenum	95	0.0819	0.0698	0.0903	0.0807	0.0103	12.75
Molybdenum	97	0.0847	0.0799	0.0907	0.0851	0.0054	6.338
Molybdenum	98	0.0892	0.0731	0.0855	0.0826	0.0084	10.22
Selenium	77	-0.2045	-0.3662	-0.1162	-0.229	0.1268	55.38
Selenium	78	-0.0758	0.4099	0.5504	0.2948	0.3286	111.4
Selenium	82	-0.0121	0.2532	0.0759	0.1057	0.1351	127.8
Thallium	203	0.0019	0.002	0.0025	0.0021	0.0003	13.1
Thallium	205	0.0018	0.0024	0.001	0.0018	0.0007	40.14

**Internal Standard
 Factors:**

Rhodium	103	1.02	1.028	1.035	1.02 n/a	n/a
Indium	115	1.016	1.04	1.037	1.016 n/a	n/a
Lutetium	175	1.014	1.049	1.048	1.014 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		K0912023-005			Mean	SD	%RSD
TimeStamp		12/29/09 15:36					
Arsenic	75	4.709	4.739	4.764	4.738	0.0277	0.5841
Cadmium	111	0.1915	0.1875	0.1847	0.1879	0.0034	1.797
Cadmium	114	0.1876	0.1648	0.1852	0.1792	0.0126	7.004
Lead	206	0.0873	0.0855	0.0768	0.0832	0.0056	6.759
Lead	207	0.0949	0.0831	0.0957	0.0912	0.0071	7.745
Lead	208	0.0872	0.087	0.081	0.0851	0.0035	4.122
Molybdenum	95	0.6614	0.7214	0.6721	0.685	0.032	4.673
Molybdenum	97	0.5809	0.6131	0.6329	0.609	0.0262	4.309
Molybdenum	98	0.5976	0.6119	0.6027	0.6041	0.0072	1.2
Selenium	77	0.6284	1.131	0.5684	0.7759	0.3089	39.81
Selenium	78	1.286	1.468	2.55	1.768	0.6834	38.65
Selenium	82	2.913	2.759	2.731	2.801	0.0983	3.507
Thallium	203	0.0162	0.012	0.0136	0.0139	0.0021	14.99
Thallium	205	0.0146	0.0132	0.0113	0.013	0.0016	12.5

**Internal Standard
 Factors:**

Rhodium	103	1.113	1.122	1.121	1.113	n/a	n/a
Indium	115	1.103	1.093	1.099	1.103	n/a	n/a
Lutetium	175	1.063	1.075	1.059	1.063	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		K0912023-006			Mean	SD	%RSD
TimeStamp		12/29/09 15:39					
Arsenic	75	1.321	1.345	1.172	1.279	0.0938	7.336
Cadmium	111	0.0471	0.0508	0.0431	0.047	0.0039	8.268
Cadmium	114	0.0433	0.0523	0.0415	0.0457	0.0058	12.64
Lead	206	0.0207	0.0236	0.0222	0.0222	0.0014	6.408
Lead	207	0.028	0.0227	0.0186	0.0231	0.0047	20.42
Lead	208	0.0199	0.023	0.0223	0.0217	0.0016	7.389
Molybdenum	95	0.5506	0.5603	0.5489	0.5533	0.0061	1.108
Molybdenum	97	0.5521	0.4822	0.5302	0.5215	0.0357	6.853
Molybdenum	98	0.5006	0.5469	0.5597	0.5357	0.0311	5.803
Selenium	77	0.3893	0.3817	0.4697	0.4136	0.0488	11.79
Selenium	78	0.6134	1.946	2.01	1.523	0.7887	51.78
Selenium	82	1.716	1.656	1.243	1.538	0.2575	16.74
Thallium	203	0.0106	0.0094	0.007	0.009	0.0018	19.95
Thallium	205	0.009	0.0079	0.0097	0.0089	0.0009	10.39

Internal Standard Factors:

Rhodium	103	1.101	1.113	1.102	1.101 n/a	n/a
Indium	115	1.081	1.088	1.081	1.081 n/a	n/a
Lutetium	175	1.059	1.071	1.044	1.059 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		K0912023-007 1/2,500			Mean	SD	%RSD
TimeStamp		12/29/09 15:41					
Arsenic	75	0.0586	0.121	0.1282	0.1026	0.0383	37.28
Cadmium	111	222.1	238.2	235.7	232	8.638	3.723
Cadmium	114	219.8	239	235.7	231.5	10.28	4.44
Lead	206	0.1095	0.1108	0.1134	0.1112	0.002	1.766
Lead	207	0.1224	0.1289	0.131	0.1274	0.0045	3.533
Lead	208	0.1218	0.1279	0.1291	0.1263	0.0039	3.081
Molybdenum	95	0.0451	0.0311	0.0288	0.035	0.0088	25.2
Molybdenum	97	0.0415	0.0316	0.0395	0.0376	0.0052	13.98
Molybdenum	98	0.028	0.0235	0.0302	0.0272	0.0034	12.61
Selenium	77	-0.0184	-0.1646	-0.2729	-0.1519	0.1277	84.03
Selenium	78	-0.0365	-0.1196	-0.4921	-0.2161	0.2426	112.3
Selenium	82	0.0757	0.2683	0.2178	0.1873	0.0999	53.34
Thallium	203	0.0022	0.0007	-0.0009	0.0007	0.0016	237.2
Thallium	205	-0.0011	-0.0001	-0.0004	-0.0005	0.0005	96.33

**Internal Standard
 Factors:**

Rhodium	103	0.971	0.982	0.954	0.971	n/a	n/a
Indium	115	0.98	0.986	0.963	0.98	n/a	n/a
Lutetium	175	0.988	1.009	1.015	0.988	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		K0912023-004 DISS			Mean	SD	%RSD
TimeStamp		12/29/09 15:44					
Arsenic	75	1.354	1.329	1.427	1.37	0.0509	3.716
Cadmium	111	0.1656	0.0973	0.0705	0.1111	0.049	44.11
Cadmium	114	0.179	0.0902	0.0695	0.1129	0.0582	51.51
Lead	206	0.028	0.0252	0.0223	0.0251	0.0028	11.25
Lead	207	0.0368	0.0233	0.0352	0.0318	0.0074	23.34
Lead	208	0.0297	0.027	0.0287	0.0285	0.0014	4.949
Molybdenum	95	0.5763	0.5629	0.5959	0.5784	0.0166	2.868
Molybdenum	97	0.505	0.5237	0.5524	0.527	0.0239	4.527
Molybdenum	98	0.5217	0.5168	0.5106	0.5164	0.0055	1.072
Selenium	77	0.0316	0.488	0.0562	0.1919	0.2567	133.7
Selenium	78	1.709	1.227	1.949	1.628	0.3678	22.59
Selenium	82	1.55	1.849	2.051	1.817	0.252	13.87
Thallium	203	0.0104	0.0127	0.0077	0.0103	0.0025	23.9
Thallium	205	0.0086	0.0113	0.0083	0.0094	0.0017	17.83

Internal Standard Factors:

Rhodium	103	1.081	1.077	1.076	1.081	n/a	n/a
Indium	115	1.079	1.069	1.066	1.079	n/a	n/a
Lutetium	175	1.084	1.088	1.077	1.084	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		K0912023-005 DISS			Mean	SD	%RSD
TimeStamp		12/29/09 15:47					
Arsenic	75	4.633	4.193	4.226	4.351	0.245	5.63
Cadmium	111	0.0235	0.0196	0.0204	0.0211	0.0021	9.763
Cadmium	114	0.0204	0.0201	0.0226	0.021	0.0014	6.673
Lead	206	0.0208	0.0264	0.0364	0.0278	0.0079	28.45
Lead	207	0.034	0.0201	0.0369	0.0303	0.0089	29.48
Lead	208	0.0289	0.0233	0.0323	0.0282	0.0045	16.11
Molybdenum	95	0.7137	0.6752	0.6169	0.6686	0.0487	7.29
Molybdenum	97	0.6532	0.6188	0.5759	0.616	0.0387	6.283
Molybdenum	98	0.617	0.5617	0.595	0.5912	0.0279	4.711
Selenium	77	1.203	1.077	0.9648	1.082	0.1192	11.02
Selenium	78	4.18	2.41	2.754	3.114	0.9386	30.14
Selenium	82	3.276	2.514	2.757	2.849	0.3896	13.68
Thallium	203	0.0108	0.0079	0.0069	0.0085	0.002	23.37
Thallium	205	0.0076	0.0063	0.006	0.0066	0.0008	12.37

**Internal Standard
 Factors:**

Rhodium	103	1.173	1.106	1.11	1.173 n/a	n/a
Indium	115	1.171	1.102	1.102	1.171 n/a	n/a
Lutetium	175	1.159	1.094	1.084	1.159 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		K0912023-006 DISS			Mean	SD	%RSD
TimeStamp		12/29/09 15:49					
Arsenic	75	1.422	1.322	1.251	1.332	0.0858	6.444
Cadmium	111	0.0779	0.6507	0.1323	0.287	0.3162	110.2
Cadmium	114	0.0661	0.6111	0.1645	0.2805	0.2905	103.5
Lead	206	0.011	0.0356	0.0161	0.0209	0.013	61.96
Lead	207	0.0203	0.0412	0.0161	0.0258	0.0134	51.94
Lead	208	0.0162	0.035	0.0159	0.0224	0.011	49.02
Molybdenum	95	0.5424	0.5856	0.586	0.5713	0.0251	4.388
Molybdenum	97	0.499	0.5443	0.586	0.5431	0.0435	8.01
Molybdenum	98	0.5328	0.5503	0.5432	0.5421	0.0088	1.621
Selenium	77	0.0367	0.6088	0.7278	0.4578	0.3695	80.72
Selenium	78	1.562	1.921	1.846	1.776	0.1897	10.68
Selenium	82	2.036	1.858	1.732	1.875	0.1531	8.163
Thallium	203	0.0118	0.0214	0.0111	0.0148	0.0057	38.82
Thallium	205	0.0094	0.0155	0.0089	0.0113	0.0037	32.69

**Internal Standard
 Factors:**

Rhodium	103	1.078	1.082	1.099	1.078 n/a	n/a
Indium	115	1.067	1.068	1.08	1.067 n/a	n/a
Lutetium	175	1.057	1.066	1.067	1.057 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		SOIL CRA			Mean	SD	%RSD
TimeStamp		12/29/09 15:52					
Arsenic	75	1.161	1.117	1.163	1.147	0.0257	2.242
Cadmium	111	0.0685	0.0454	0.0532	0.0557	0.0117	21.04
Cadmium	114	0.0597	0.0523	0.0573	0.0564	0.0038	6.659
Lead	206	0.1154	0.1061	0.1063	0.1093	0.0053	4.879
Lead	207	0.1296	0.1272	0.1153	0.124	0.0076	6.162
Lead	208	0.1182	0.11	0.1101	0.1128	0.0047	4.186
Molybdenum	95	0.1324	0.1225	0.111	0.122	0.0107	8.768
Molybdenum	97	0.1405	0.1265	0.1216	0.1295	0.0098	7.587
Molybdenum	98	0.139	0.1268	0.1276	0.1311	0.0068	5.208
Selenium	77	1.997	2.046	1.47	1.838	0.3196	17.39
Selenium	78	3.699	4.06	2.586	3.449	0.7682	22.28
Selenium	82	2.26	2.306	2.109	2.225	0.1032	4.64
Thallium	203	0.042	0.0364	0.0415	0.04	0.0031	7.826
Thallium	205	0.0382	0.0384	0.0449	0.0405	0.0038	9.428

**Internal Standard
 Factors:**

Rhodium	103	1.024	0.998	0.993	1.024	n/a	n/a
Indium	115	1.046	0.999	1.006	1.046	n/a	n/a
Lutetium	175	1.059	1.032	1.047	1.059	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		R0907046-MB 1/5			Mean	SD	%RSD
TimeStamp		12/29/09 15:56					
Arsenic	75	0.0671	0.1061	0.1397	0.1043	0.0363	34.8
Cadmium	111	0.0233	0.0241	0.0296	0.0257	0.0034	13.38
Cadmium	114	0.2201	0.2075	0.2224	0.2167	0.008	3.704
Lead	206	0.1007	0.101	0.1124	0.1047	0.0067	6.388
Lead	207	0.1133	0.1216	0.1249	0.1199	0.006	4.967
Lead	208	0.1073	0.1121	0.1229	0.1141	0.008	6.997
Molybdenum	95	0.1047	0.1203	0.0931	0.106	0.0137	12.88
Molybdenum	97	0.15	0.1045	0.0929	0.1158	0.0302	26.06
Molybdenum	98	0.1325	0.0992	0.0891	0.1069	0.0227	21.23
Selenium	77	-0.1943	-0.2603	-0.3441	-0.2662	0.0751	28.19
Selenium	78	1.098	1.443	1.388	1.31	0.1856	14.17
Selenium	82	0.068	0.1956	0.2402	0.1679	0.0894	53.22
Thallium	203	0.0025	0.0045	0.0029	0.0033	0.0011	32.36
Thallium	205	0.0021	0.0024	0.0027	0.0024	0.0003	11.55

**Internal Standard
 Factors:**

Rhodium	103	1.026	1.018	0.998	1.026	n/a	n/a
Indium	115	1.013	1.021	0.999	1.013	n/a	n/a
Lutetium	175	1.056	1.042	1.062	1.056	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

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Sample Name:		LCSS R0907046 1730A			Mean	SD	%RSD
TimeStamp		12/29/09 15:58					
Arsenic	75	17.19	17.7	18.18	17.69	0.4959	2.803
Cadmium	111	18.09	18.16	18.41	18.22	0.1707	0.9371
Cadmium	114	18.02	18.34	18.28	18.21	0.1712	0.9404
Lead	206	18.4	18.58	18.54	18.51	0.0926	0.5005
Lead	207	20.8	20.51	21.04	20.78	0.2644	1.272
Lead	208	19.89	19.8	19.97	19.89	0.0865	0.435
Molybdenum	95	9.227	10.32	10.51	10.02	0.6933	6.919
Molybdenum	97	9.372	10.13	10.36	9.952	0.515	5.175
Molybdenum	98	9.126	10.09	10.27	9.828	0.6138	6.246
Selenium	77	40.19	40.17	39.1	39.82	0.6243	1.568
Selenium	78	41.22	41.68	41.51	41.47	0.2346	0.5657
Selenium	82	39.9	40.83	41.36	40.7	0.7388	1.815
Thallium	203	46.65	46.9	46.96	46.83	0.1628	0.3477
Thallium	205	46.44	46.68	46.9	46.68	0.2278	0.4881

Internal Standard Factors:

Rhodium	103	1.003	1.004	1.002	1.003	n/a	n/a
Indium	115	0.995	0.988	1	0.995	n/a	n/a
Lutetium	175	1.005	1	1.005	1.005	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		CCV3			Mean	SD	%RSD
TimeStamp		12/29/09 16:03					
Arsenic	75	24.57	24.14	26.16	24.95	1.064	4.264
Cadmium	111	24.78	24.29	26.18	25.08	0.979	3.903
Cadmium	114	24.66	24.02	26.09	24.92	1.062	4.262
Lead	206	24.5	24.43	26.15	25.02	0.9734	3.89
Lead	207	24.72	24.01	25.84	24.86	0.9259	3.725
Lead	208	24.45	24.2	25.83	24.83	0.8787	3.539
Molybdenum	95	24.83	25.01	26.7	25.51	1.035	4.055
Molybdenum	97	24.24	25.04	27.21	25.5	1.54	6.04
Molybdenum	98	24.53	24.93	27.11	25.52	1.387	5.434
Selenium	77	23.8	24.47	25.93	24.73	1.092	4.414
Selenium	78	24.75	23.97	27.55	25.42	1.88	7.396
Selenium	82	24.55	24.54	24.84	24.64	0.171	0.694
Thallium	203	24.74	24.22	25.63	24.86	0.7168	2.883
Thallium	205	24.49	23.94	25.67	24.7	0.8866	3.589

**Internal Standard
 Factors:**

Rhodium	103	1.005	1.006	1.045	1.005	n/a	n/a
Indium	115	1.026	1.005	1.042	1.026	n/a	n/a
Lutetium	175	1.046	1.029	1.064	1.046	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		CCB3			Mean	SD	%RSD
TimeStamp		12/29/09 16:07					
Arsenic	75	0.0312	0.0506	0.1583	0.0801	0.0685	85.52
Cadmium	111	0.0027	0.0043	0.0129	0.0066	0.0055	82.51
Cadmium	114	0.0054	0.0054	0.0154	0.0087	0.0057	65.75
Lead	206	0.0054	0.0039	0.0014	0.0035	0.002	56.45
Lead	207	0.009	0.0057	0.0069	0.0072	0.0017	22.93
Lead	208	0.0047	0.0044	0.0049	0.0046	0.0003	5.41
Molybdenum	95	0.1828	0.1577	0.124	0.1548	0.0295	19.08
Molybdenum	97	0.1757	0.1481	0.1345	0.1528	0.021	13.75
Molybdenum	98	0.1846	0.1485	0.1265	0.1532	0.0293	19.15
Selenium	77	-0.0257	0.0108	-0.3528	-0.1226	0.2002	163.4
Selenium	78	0.9715	-0.1408	0.4274	0.4194	0.5562	132.6
Selenium	82	0.068	0.165	0.3184	0.1838	0.1263	68.7
Thallium	203	0.0012	0.0042	0.0089	0.0048	0.0039	80.78
Thallium	205	0.0032	0.0034	0.0032	0.0033	0.0001	3.097

**Internal Standard
Factors:**

Rhodium	103	1.056	1.031	1.03	1.056 n/a	n/a
Indium	115	1.054	1.055	1.044	1.054 n/a	n/a
Lutetium	175	1.064	1.061	1.059	1.064 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		R0907046-001 1/5			Mean	SD	%RSD
TimeStamp		12/29/09 16:10					
Arsenic	75	5.111	5.225	5.37	5.235	0.1298	2.479
Cadmium	111	0.2991	0.2982	0.2996	0.299	0.0007	0.2258
Cadmium	114	0.3447	0.3412	0.3554	0.3471	0.0074	2.138
Lead	206	17.27	17.22	17.18	17.23	0.0433	0.2515
Lead	207	19.22	19.38	19.34	19.31	0.085	0.4399
Lead	208	18.65	18.55	18.64	18.61	0.0574	0.3085
Molybdenum	95	2.992	3.06	3.155	3.069	0.082	2.671
Molybdenum	97	2.954	2.972	3.043	2.99	0.047	1.572
Molybdenum	98	2.945	2.952	3.002	2.967	0.0313	1.055
Selenium	77	3.126	2.502	2.361	2.663	0.4072	15.29
Selenium	78	1.884	1.969	1.692	1.848	0.1421	7.691
Selenium	82	0.6375	0.8413	0.7878	0.7555	0.1057	13.99
Thallium	203	0.1892	0.1898	0.1755	0.1848	0.0081	4.368
Thallium	205	0.1916	0.1765	0.187	0.185	0.0077	4.179

Internal Standard Factors:

Rhodium	103	1.069	1.061	1.068	1.069	n/a	n/a
Indium	115	1.059	1.058	1.062	1.059	n/a	n/a
Lutetium	175	1.05	1.053	1.041	1.05	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		R0907046-001 1/5D			Mean	SD	%RSD
TimeStamp		12/29/09 16:13					
Arsenic	75	4.749	5.222	5.153	5.041	0.2556	5.07
Cadmium	111	0.3383	0.4291	0.3531	0.3735	0.0488	13.05
Cadmium	114	0.4175	0.4793	0.4231	0.4399	0.0342	7.77
Lead	206	23.75	23.84	23.79	23.79	0.0456	0.1918
Lead	207	26.44	27.06	26.9	26.8	0.3249	1.212
Lead	208	25.84	25.88	25.68	25.8	0.1065	0.4127
Molybdenum	95	3.229	3.426	3.374	3.343	0.1023	3.059
Molybdenum	97	3.185	3.279	3.404	3.289	0.1101	3.347
Molybdenum	98	3.168	3.325	3.305	3.266	0.0854	2.614
Selenium	77	4.071	3.162	3.579	3.604	0.4546	12.61
Selenium	78	2.13	2.267	1.647	2.014	0.3257	16.17
Selenium	82	0.9253	1.019	0.8751	0.9398	0.0731	7.773
Thallium	203	0.2503	0.2584	0.2309	0.2465	0.0142	5.742
Thallium	205	0.2276	0.2431	0.2352	0.2353	0.0077	3.29

**Internal Standard
 Factors:**

Rhodium	103	1.062	1.083	1.062	1.062	n/a	n/a
Indium	115	1.073	1.059	1.053	1.073	n/a	n/a
Lutetium	175	1.062	1.069	1.049	1.062	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		R0907046-001 1/25L			Mean	SD	%RSD
TimeStamp		12/29/09 16:17					
Arsenic	75	1.246	1.401	1.128	1.258	0.1372	10.9
Cadmium	111	0.0691	0.0712	0.0718	0.0707	0.0015	2.055
Cadmium	114	0.0914	0.0877	0.0829	0.0874	0.0043	4.896
Lead	206	4.082	4.099	4.009	4.063	0.0478	1.176
Lead	207	4.445	4.569	4.588	4.534	0.0775	1.708
Lead	208	4.336	4.413	4.34	4.363	0.0437	1.001
Molybdenum	95	0.6079	0.6593	0.6475	0.6383	0.0269	4.218
Molybdenum	97	0.5727	0.6394	0.6128	0.6083	0.0336	5.522
Molybdenum	98	0.5735	0.6426	0.6265	0.6142	0.0361	5.882
Selenium	77	0.522	0.3074	0.6603	0.4965	0.1778	35.81
Selenium	78	1.058	1.735	0.1877	0.9938	0.7758	78.07
Selenium	82	0.2491	0.3706	0.0759	0.2319	0.1481	63.87
Thallium	203	0.0498	0.0437	0.0511	0.0482	0.004	8.213
Thallium	205	0.0517	0.0539	0.0484	0.0513	0.0028	5.406

**Internal Standard
 Factors:**

Rhodium	103	1.05	1.073	1.039	1.05	n/a	n/a
Indium	115	1.064	1.064	1.027	1.064	n/a	n/a
Lutetium	175	1.069	1.078	1.053	1.069	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

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Sample Name:		R0907046-001 1/5 +56A			Mean	SD	%RSD
TimeStamp		12/29/09 16:20					
Arsenic	75	35.92	35.52	33.79	35.08	1.133	3.23
Cadmium	111	29.16	29.68	28.08	28.97	0.8122	2.804
Cadmium	114	29.86	29.71	28.28	29.28	0.8752	2.989
Lead	206	45.61	45.78	44.63	45.34	0.6226	1.373
Lead	207	47.45	47.92	46	47.12	1.003	2.128
Lead	208	46.92	47.14	45.62	46.56	0.8197	1.761
Molybdenum	95	34.54	34.02	32.99	33.85	0.7926	2.341
Molybdenum	97	34.01	34.15	33.19	33.78	0.515	1.524
Molybdenum	98	33.74	34.43	33.05	33.74	0.6876	2.038
Selenium	77	32.25	32.86	30.39	31.84	1.29	4.053
Selenium	78	31.97	31.24	28.67	30.63	1.734	5.661
Selenium	82	29.84	29.82	28.69	29.45	0.663	2.251
Thallium	203	29.09	28.76	28.23	28.69	0.4334	1.51
Thallium	205	28.53	28.69	28.26	28.49	0.2178	0.7643

Internal Standard Factors:

Rhodium	103	1.06	1.054	1.017	1.06	n/a	n/a
Indium	115	1.038	1.025	0.997	1.038	n/a	n/a
Lutetium	175	1.035	1.026	1.016	1.035	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		R0907046-001 125S			Mean	SD	%RSD
TimeStamp		12/29/09 16:24					
Arsenic	75	39.06	42.1	40.69	40.62	1.521	3.745
Cadmium	111	4.167	4.533	4.329	4.343	0.1834	4.222
Cadmium	114	4.08	4.559	4.266	4.302	0.2411	5.604
Lead	206	36.68	41.3	39.92	39.3	2.375	6.044
Lead	207	44.79	48.98	48.1	47.29	2.21	4.672
Lead	208	41.05	45.27	44.08	43.47	2.175	5.004
Molybdenum	95	31.77	37.48	36.56	35.27	3.067	8.696
Molybdenum	97	31.66	36.8	36.76	35.07	2.96	8.438
Molybdenum	98	31.84	36.7	36.39	34.98	2.723	7.787
Selenium	77	39.36	43.19	40.51	41.02	1.96	4.779
Selenium	78	38.49	45.7	42.29	42.16	3.608	8.557
Selenium	82	40.66	42.13	41.2	41.33	0.7462	1.805
Thallium	203	37.15	40.29	38.45	38.63	1.578	4.085
Thallium	205	37.13	39.63	38.72	38.49	1.264	3.284

**Internal Standard
Factors:**

Rhodium	103	1.013	1.058	1.029	1.013	n/a	n/a
Indium	115	1.015	1.064	1.033	1.015	n/a	n/a
Lutetium	175	1.014	1.079	1.05	1.014	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		K0912422-MB 1/5			Mean	SD	%RSD
TimeStamp		12/29/09 16:28					
Arsenic	75	0.0765	0.0817	0.0797	0.0793	0.0026	3.323
Cadmium	111	0.0035	0.0019	0.0035	0.0029	0.0009	30.65
Cadmium	114	0.0088	0.0046	0.0078	0.0071	0.0022	30.75
Lead	206	0.0491	0.057	0.0534	0.0532	0.0039	7.422
Lead	207	0.0578	0.066	0.0576	0.0605	0.0048	7.99
Lead	208	0.0489	0.0523	0.0532	0.0514	0.0023	4.395
Molybdenum	95	0.6284	0.4852	0.3891	0.5009	0.1204	24.04
Molybdenum	97	0.5979	0.4756	0.387	0.4869	0.1059	21.76
Molybdenum	98	0.6166	0.4826	0.3847	0.4946	0.1164	23.54
Selenium	77	0.0064	0.1635	-0.0962	0.0246	0.1308	532.2
Selenium	78	1.476	1.416	1.098	1.33	0.2033	15.28
Selenium	82	0.165	0.3742	0.1573	0.2322	0.123	52.98
Thallium	203	0.0081	0.0043	0.0038	0.0054	0.0023	42.98
Thallium	205	0.0054	0.004	0.0036	0.0043	0.0009	21.02

**Internal Standard
 Factors:**

Rhodium	103	1.034	1.055	1.035	1.034	n/a	n/a
Indium	115	1.049	1.044	1.049	1.049	n/a	n/a
Lutetium	175	1.064	1.081	1.071	1.064	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		LCSW K09012422 1/25			Mean	SD	%RSD
TimeStamp		12/29/09 16:31					
Arsenic	75	72.21	74.21	72.9	73.11	1.018	1.392
Cadmium	111	3.887	3.967	3.966	3.94	0.0458	1.162
Cadmium	114	3.743	3.874	3.905	3.841	0.086	2.239
Lead	206	31.42	32.16	31.65	31.74	0.3793	1.195
Lead	207	38.98	39.36	39.35	39.23	0.2158	0.5502
Lead	208	35.31	36.23	35.84	35.79	0.4633	1.294
Molybdenum	95	68.33	72.52	73.96	71.6	2.93	4.091
Molybdenum	97	66.94	72	73.64	70.86	3.491	4.926
Molybdenum	98	67.35	72.7	73.34	71.13	3.291	4.627
Selenium	77	74.34	74.66	77.14	75.38	1.533	2.033
Selenium	78	73.1	76.73	76.3	75.37	1.983	2.631
Selenium	82	73.85	77.13	75.67	75.55	1.648	2.181
Thallium	203	37.66	47.45	54.35	46.49	8.384	18.03
Thallium	205	37.54	47.85	54.03	46.47	8.333	17.93

**Internal Standard
Factors:**

Rhodium	103	1.003	1.008	1.006	1.003	n/a	n/a
Indium	115	1.017	1.014	1.002	1.017	n/a	n/a
Lutetium	175	1.039	1.041	1.024	1.039	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		K0912422-001 1/5			Mean	SD	%RSD
TimeStamp		12/29/09 16:50					
Arsenic	75	0.0419	-0.0207	0.0051	0.0087	0.0314	360.1
Cadmium	111	0.0078	0.0028	0.0093	0.0066	0.0034	51.17
Cadmium	114	0.1328	0.1209	0.1315	0.1284	0.0065	5.095
Lead	206	0.0437	0.0573	0.0405	0.0472	0.0089	18.88
Lead	207	0.0554	0.0505	0.0587	0.0549	0.0041	7.477
Lead	208	0.0474	0.0482	0.0501	0.0486	0.0014	2.884
Molybdenum	95	0.0589	0.0621	0.0606	0.0605	0.0016	2.625
Molybdenum	97	0.0677	0.0597	0.0679	0.0651	0.0046	7.128
Molybdenum	98	0.0532	0.0667	0.0658	0.0619	0.0075	12.19
Selenium	77	0.0761	0.4287	0.4566	0.3205	0.2121	66.17
Selenium	78	1.404	2.16	0.9158	1.493	0.6268	41.98
Selenium	82	0.0932	0.1351	0.2348	0.1544	0.0727	47.12
Thallium	203	0.0648	0.0679	0.0404	0.0577	0.0151	26.14
Thallium	205	0.0569	0.0525	0.0464	0.0519	0.0053	10.16

**Internal Standard
 Factors:**

Rhodium	103	1.076	1.07	1.063	1.076	n/a	n/a
Indium	115	1.091	1.081	1.08	1.091	n/a	n/a
Lutetium	175	1.121	1.142	1.129	1.121	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		K0912422-001 1/5D			Mean	SD	%RSD
TimeStamp		12/29/09 16:56					
Arsenic	75	0.0699	0.1273	0.0443	0.0805	0.0425	52.84
Cadmium	111	0.0044	0.0101	0.0059	0.0068	0.0029	43.2
Cadmium	114	0.1369	0.13	0.1356	0.1342	0.0037	2.731
Lead	206	0.047	0.0503	0.0465	0.0479	0.0021	4.296
Lead	207	0.0659	0.0563	0.0563	0.0595	0.0055	9.278
Lead	208	0.0526	0.0526	0.0478	0.051	0.0028	5.467
Molybdenum	95	0.041	0.0403	0.0337	0.0384	0.004	10.47
Molybdenum	97	0.0485	0.0381	0.0355	0.0407	0.0069	16.91
Molybdenum	98	0.0527	0.0377	0.0382	0.0429	0.0085	19.88
Selenium	77	0.1432	0.17	0.0632	0.1255	0.0556	44.28
Selenium	78	1.504	1.575	1.345	1.475	0.118	8
Selenium	82	0.3441	0.5435	0.06	0.3158	0.243	76.93
Thallium	203	0.0267	0.0268	0.0233	0.0256	0.002	7.828
Thallium	205	0.0335	0.028	0.0303	0.0306	0.0028	9.002

**Internal Standard
 Factors:**

Rhodium	103	1.066	1.064	1.047	1.066	n/a	n/a
Indium	115	1.078	1.083	1.068	1.078	n/a	n/a
Lutetium	175	1.145	1.147	1.135	1.145	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		K0912422-001 1/25L			Mean	SD	%RSD
TimeStamp		12/29/09 16:59					
Arsenic	75	0.0881	0.1202	0.1465	0.1183	0.0293	24.77
Cadmium	111	0.0012	0.0027	0.0011	0.0017	0.0009	53.87
Cadmium	114	0.0211	0.0223	0.022	0.0218	0.0006	2.968
Lead	206	0.0335	0.032	0.0429	0.0362	0.0059	16.38
Lead	207	0.0387	0.0233	0.043	0.035	0.0104	29.63
Lead	208	0.0341	0.0324	0.0383	0.0349	0.003	8.56
Molybdenum	95	0.0034	0.0102	0.0164	0.01	0.0065	65.09
Molybdenum	97	0.0117	0.0198	0.0275	0.0196	0.0079	40.16
Molybdenum	98	0.0026	0.0064	0.0067	0.0052	0.0023	44.27
Selenium	77	-0.0597	-0.1953	-0.433	-0.2293	0.1889	82.38
Selenium	78	0.504	0.585	0.7203	0.6031	0.1093	18.12
Selenium	82	0.3091	0.2574	0.2158	0.2608	0.0468	17.93
Thallium	203	0.0085	0.0067	0.0094	0.0082	0.0014	16.94
Thallium	205	0.0047	0.0047	0.0072	0.0056	0.0014	25.51

**Internal Standard
 Factors:**

Rhodium	103	1.06	1.049	1.045	1.06 n/a	n/a
Indium	115	1.084	1.059	1.064	1.084 n/a	n/a
Lutetium	175	1.111	1.11	1.116	1.111 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		CCV4			Mean	SD	%RSD
TimeStamp		12/29/09 17:02					
Arsenic	75	25.41	24.7	24.68	24.93	0.4125	1.655
Cadmium	111	24.87	24.95	24.84	24.89	0.0523	0.2101
Cadmium	114	24.32	24.67	24.76	24.58	0.2336	0.9502
Lead	206	23.8	24.14	24.55	24.16	0.3769	1.56
Lead	207	23.6	24.32	24.16	24.03	0.376	1.565
Lead	208	23.42	24.18	24.39	24	0.5131	2.138
Molybdenum	95	23.9	24.79	25.39	24.69	0.7485	3.031
Molybdenum	97	23.88	24.79	25.53	24.73	0.8243	3.333
Molybdenum	98	24.03	24.82	25.15	24.67	0.5754	2.333
Selenium	77	23.1	23.53	23.98	23.53	0.4399	1.869
Selenium	78	24.83	25.78	24.52	25.04	0.6557	2.618
Selenium	82	24.87	24.24	24.22	24.44	0.3689	1.509
Thallium	203	24.44	24.45	24.75	24.54	0.1765	0.719
Thallium	205	23.83	24.45	24.39	24.22	0.3421	1.412

**Internal Standard
 Factors:**

Rhodium	103	1.045	1.031	1.026	1.045	n/a	n/a
Indium	115	1.06	1.052	1.036	1.06	n/a	n/a
Lutetium	175	1.075	1.081	1.079	1.075	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 12-29-09C
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #184541

Sample Name:		CCB4			Mean	SD	%RSD
TimeStamp		12/29/09 17:07					
Arsenic	75	0.0692	0.0242	-0.0061	0.0291	0.0379	130.2
Cadmium	111	0.0047	0.002	0.0019	0.0028	0.0016	56.53
Cadmium	114	0.0053	0.002	0.0011	0.0028	0.0022	77.83
Lead	206	0.0047	0.0052	0.0014	0.0037	0.0021	55.47
Lead	207	0.0044	-0.0001	0.0043	0.0028	0.0026	90.5
Lead	208	0.0051	0.0027	0.003	0.0036	0.0013	35.79
Molybdenum	95	0.1066	0.0956	0.0722	0.0915	0.0176	19.19
Molybdenum	97	0.0844	0.0815	0.0714	0.0791	0.0069	8.672
Molybdenum	98	0.0979	0.0928	0.0806	0.0904	0.0089	9.797
Selenium	77	-0.036	-0.2602	0.0673	-0.0763	0.1674	219.4
Selenium	78	1.729	0.3833	0.8579	0.9901	0.6826	68.94
Selenium	82	0.1918	-0.2167	0.0111	-0.0046	0.2047	4431
Thallium	203	0.0023	0.0067	0.0061	0.0051	0.0024	46.77
Thallium	205	0.0071	0.0049	0.0063	0.0061	0.0011	17.67

**Internal Standard
 Factors:**

Rhodium	103	1.129	1.068	1.034	1.129 n/a	n/a
Indium	115	1.128	1.072	1.032	1.128 n/a	n/a
Lutetium	175	1.145	1.111	1.092	1.145 n/a	n/a

(Sample # 7)

Service Request # R0907046 (01/07/10 Redigest)
Calibration _____ 011910A _____
QC in calibration __ 011910A _____
QC Service Request # R0907046 _____
STARLIMS Batch # 186276 _____

ICP-MS Data Review Form

	Yes	No	NA
1. Appropriate standardization completed	<u> X </u>	_____	_____
2. ICV within 10 % of true value	<u> X </u>	_____	_____
3. CCV's in control	<u> X </u>	_____	_____
4. CCB's and/or ICB's below MRL	<u> X </u>	_____	_____
5. Method blank below MRL	<u> X </u>	_____	_____
6. LCS in control	<u> X </u>	_____	_____
7. Spike and duplicate in control	<u> X </u>	<u> X </u>	_____
8. All analytes within instrument linear range	<u> X </u>	_____	_____
9. Adequate rinse out time allowed	<u> X </u>	_____	_____
10. Internal standards in control	<u> X </u>	_____	_____
11. Interferences checked	<u> X </u>	_____	_____
12. Se over MRL	_____	_____	<u> X </u>
13. CRA run	<u> X </u>	_____	_____
14. ICSA and ICSAB in control	<u> X </u>	_____	_____
15. Serial dilution run	<u> X </u>	_____	_____
16. Post spike in control	<u> X </u>	_____	_____

Comments: Only Cr & Tl to be reported so LCSW= 150% for W & Pt.
High RPD for W does not affect reported results.

Primary Review by _____
Secondary Review by Jp15

Date 1/19/10
Date 1/20/10

R:\icp\misc\data review forms\PQ ExCell review form

Sample List

Num	Label	Type	Weight	Volume	Dilution	Rack	Row	Column	Height
1	Cal. Blk	Blank	0 kg	0 ml	1.00	0	1	1	145
2	Cal. Stn	Fully Quant Standard	0 kg	0 ml	1.00	0	1	2	145
3	ICV1	Unknown	0 kg	0 ml	1.00	0	1	3	145
4	CCV1	Unknown	0 kg	0 ml	1.00	0	1	2	145
5	ICB1	Unknown	0 kg	0 ml	1.00	0	1	1	145
6	CCB1	Unknown	0 kg	0 ml	1.00	0	1	1	145
7	SOIL CRA	Unknown	0 kg	0 ml	1.00	0	1	4	145
8	W & Pt CRA @ 0.2 ppb	Unknown	0 kg	0 ml	1.00	0	1	7	145
9	ICSA	Unknown	0 kg	0 ml	1.00	0	1	5	145
10	ICSAB	Unknown	0 kg	0 ml	1.00	0	1	6	145
11	LCSS K09012258 1/50	Unknown	0 kg	0 ml	1.00	1	3	5	145
12	R0907171-MB 1/5	Unknown	0 kg	0 ml	1.00	1	1	1	145
13	LCSS R0907171 1/50	Unknown	0 kg	0 ml	1.00	1	1	2	145
14	LCSW R0907171 1/5	Unknown	0 kg	0 ml	1.00	1	1	3	145
15	R0907171-004 1/5	Unknown	0 kg	0 ml	1.00	1	1	4	145
16	R0907171-004 1/5D	Unknown	0 kg	0 ml	1.00	1	1	5	145
17	R0907171-004 1/25L	Unknown	0 kg	0 ml	1.00	1	1	6	145
18	R0907171-004 1/5 +50A	Unknown	0 kg	0 ml	1.00	1	1	7	145
19	R0907171-004 1/25S	Unknown	0 kg	0 ml	1.00	1	1	8	145
20	CCV2	Unknown	0 kg	0 ml	1.00	0	1	2	145
21	CCB2	Unknown	0 kg	0 ml	1.00	0	1	1	145
22	R0907171-001 1/5	Unknown	0 kg	0 ml	1.00	1	1	9	145
23	R0907171-002 1/5	Unknown	0 kg	0 ml	1.00	1	1	10	145
24	R0907171-003 1/5	Unknown	0 kg	0 ml	1.00	1	1	11	145
25	R0907146-001 1/5	Unknown	0 kg	0 ml	1.00	1	1	12	145
26	R0907146-004 1/5	Unknown	0 kg	0 ml	1.00	1	2	1	145
27	R0907146-005 1/5	Unknown	0 kg	0 ml	1.00	1	2	2	145
28	R0907146-008 1/5	Unknown	0 kg	0 ml	1.00	1	2	3	145
29	R0907146-009 1/5	Unknown	0 kg	0 ml	1.00	1	2	4	145
30	CCV3	Unknown	0 kg	0 ml	1.00	0	1	2	145
31	CCB3	Unknown	0 kg	0 ml	1.00	0	1	1	145
32	R0907146-014 1/5	Unknown	0 kg	0 ml	1.00	1	2	5	145
33	R0907146-014 1/5D	Unknown	0 kg	0 ml	1.00	1	2	6	145
34	R0907146-014 1/25S	Unknown	0 kg	0 ml	1.00	1	2	7	145
35	R0907146-016 1/5	Unknown	0 kg	0 ml	1.00	1	2	8	145
36	R0907146-019 1/5	Unknown	0 kg	0 ml	1.00	1	2	9	145
37	R0907146-020 1/5	Unknown	0 kg	0 ml	1.00	1	2	10	145
38	R0907146-021 1/5	Unknown	0 kg	0 ml	1.00	1	2	11	145
39	R0907146-022 1/5	Unknown	0 kg	0 ml	1.00	1	2	12	145
40	R0907146-023 1/5	Unknown	0 kg	0 ml	1.00	1	3	1	145
41	CCV4	Unknown	0 kg	0 ml	1.00	0	1	2	145
42	CCB4	Unknown	0 kg	0 ml	1.00	0	1	1	145
43	R0907046-007 1/5	Unknown	0 kg	0 ml	1.00	1	3	2	145
44	R0907046-007 1/5D	Unknown	0 kg	0 ml	1.00	1	3	3	145
45	R0907046-007 1/25S	Unknown	0 kg	0 ml	1.00	1	3	4	145
46	CCV5	Unknown	0 kg	0 ml	1.00	0	1	2	145
47	CCB5	Unknown	0 kg	0 ml	1.00	0	1	1	145

Instrument Setup - Configurations

Configuration Name - acqmet11
 Description - PQExcell CCT Sim Default
 Date - 14:30:21 1/19/10
 Maximum Uptake Time - 0
 Maximum Washout Time - 0
 S-Option Pump Running - No
 Plasma Screen Forward - No
 Makeup Gas On - No
 Use CCT - No
 Use Accessory Gas - No

Setting	Value
Extraction	-500.00
Lens1	5.00
Lens2	-75.00
Lens3	-40.00
Pole Bias	5.00
Sampling Depth	400.00
Horizontal	-25.00
Vertical	65.00
Cool	13.00
Auxiliary	0.80
Nebuliser	0.80
Forward power	1,365.00
HT1 Voltage	1,900.00
HT2 Voltage	2,600.00
D1	-32.00
Focus	20.00

Configuration Name - acqmet11
 Description - PQExcell CCT Sim Default
 Date - 14:30:21 1/19/10
 Maximum Uptake Time - 0
 Maximum Washout Time - 0
 S-Option Pump Running - No
 Plasma Screen Forward - No
 Makeup Gas On - No
 Use CCT - No
 Use Accessory Gas - No

Setting	Value
Extraction	-500.00
Lens1	5.00
Lens2	-75.00
Lens3	-40.00
Pole Bias	5.00
Sampling Depth	400.00
Horizontal	-25.00
Vertical	65.00
Cool	13.00
Auxiliary	0.80

Mass	Mass DAC	Peak Width (AMU)	Error (AMU)	Include
6.015	1286	0.818	-0.031	TRUE
7.016	1546	0.818	-0.01	TRUE
9.012	2059	0.767	0.011	TRUE
23.985	5863	0.767	-0.005	TRUE
24.986	6123	0.767	0.016	TRUE
25.983	6377	0.818	0.018	TRUE
26.982	6630	0.767	0.014	TRUE
51.94	12979	0.869	0.01	TRUE
53.949	13486	0.869	-0.006	TRUE
55.935	13993	0.869	0.001	TRUE
56.935	14247	0.817	-0.001	TRUE
57.934	14507	0.817	0.021	TRUE
58.933	14754	0.817	-0.007	TRUE
63.929	16028	0.817	0.004	TRUE
69.925	17555	0.868	0.008	TRUE
75.92	19076	0.868	-0.011	TRUE
77.919	19583	0.868	-0.018	TRUE
112.904	28486	0.868	-0.032	TRUE
114.904	28993	0.868	-0.04	TRUE
128.905	32575	0.817	0.024	TRUE
130.905	33082	0.817	0.015	TRUE
131.905	33335	0.868	0.008	TRUE
139.905	35370	0.817	-0.003	TRUE
141.908	35883	0.868	0.008	TRUE
155.923	39452	0.816	0.004	TRUE
205.974	52205	0.816	-0.005	TRUE
206.976	52465	0.816	0.014	TRUE
207.977	52718	0.765	0.006	TRUE
208.98	52972	0.816	-0.002	TRUE
238.051	60382	0.816	-0.01	TRUE

Excluded In Cabb	Excluded In Results	Peak	Area	Height	Mult Element	Net Count	Internal Standard	Standard Addition
Uncorrected ICPS Per Mass			S-Calibration Has Edited Standard F-Interference Correction Failed		E-Calibration Edited T-Tripped	I-Invalid Calibration P-Pulse Counting	V-Valley Integration Failed M-Result Over Max	
Run	Label	TimeStamp	58kg	7Li	9Be	59Co	115In	208Pb
1	Stability 01-19-10	1/19/2010 2:46:01 P	(P)17.167	(P)332147.450	(P)108454.790	(P)368964.020	(P)297839.790	(P)93387.622
2	Stability 01-19-10	1/19/2010 2:47:03 P	(P)17.333	(P)322495.770	(P)107471.400	(P)377019.870	(P)298276.420	(P)90455.830
3	Stability 01-19-10	1/19/2010 2:48:05 P	(P)20.167	(P)315972.170	(P)104928.150	(P)366353.160	(P)290655.070	(P)90240.128
4	Stability 01-19-10	1/19/2010 2:49:07 P	(P)19.000	(P)317014.060	(P)105932.980	(P)367252.040	(P)292832.920	(P)92683.545
5	Stability 01-19-10	1/19/2010 2:50:09 P	(P)17.833	(P)318453.960	(P)107155.380	(P)368360.140	(P)295193.380	(P)94512.456
	Mean of Stability 01-19	1/19/2010 2:46:01 P	(P)18.300	(P)321216.680	(P)106788.540	(P)369589.850	(P)294959.510	(P)92255.916
	SD of Stability 01-19-1		(P)1.266	(P)6593.886	(P)1375.710	(P)4273.482	(P)3255.885	(P)1861.405
	%RSD of Stability 01		(P)6.918	(P)2.053	(P)1.288	(P)1.156	(P)1.104	(P)2.018

Run	Label	TimeStamp	209Bi	235kg	238U
1	Stability 01-19-10	1/19/2010 2:46:01 P	(P)146038.380	(P)0.500	(P)146949.270
2	Stability 01-19-10	1/19/2010 2:47:03 P	(P)140558.460	(P)0.000	(P)138582.610
3	Stability 01-19-10	1/19/2010 2:48:05 P	(P)140654.880	(P)0.000	(P)139119.830
4	Stability 01-19-10	1/19/2010 2:49:07 P	(P)143838.180	(P)0.000	(P)138712.210
5	Stability 01-19-10	1/19/2010 2:50:09 P	(P)147320.270	(P)0.000	(P)145848.090
	Mean of Stability 01-19	1/19/2010 2:46:01 P	(P)143682.030	(P)0.100	(P)141842.400
	SD of Stability 01-19-1		(P)3071.397	(P)0.224	(P)4182.177
	%RSD of Stability 01		(P)2.138	(P)223.607	(P)2.948

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276



Sample Name:		Cal. Blk			Mean	SD	%RSD
TimeStamp		1/19/10 15:14					
Arsenic	75	-0.1074	0.0608	0.0466	0	0.0933	0
Beryllium	9	0.0009	0.0006	-0.0015	0	0.0013	0
Chromium	52	0.0129	-0.0326	0.0198	0	0.0285	0
Chromium	53	-0.0687	0.0337	0.035	0	0.0595	0
Cobalt	59	0.0002	-0.0003	0.0001	0	0.0003	0
Platinum	194	0.0001	0.0014	-0.0015	0	0.0015	0
Platinum	195	0.001	0.0005	-0.0015	0	0.0013	0
Platinum	196	-0.0003	-0.0007	0.001	0	0.0009	0
Selenium	77	0.2247	-0.1045	-0.1202	0	0.1948	0
Selenium	78	-0.0844	-0.0631	0.1475	0	0.1282	0
Selenium	82	-0.1688	0.1081	0.0608	0	0.1481	0
Thallium	203	0.0002	-0.0007	0.0004	0	0.0006	0
Thallium	205	-0.0001	0.0001	-0.0001	0	0.0001	0
Tungsten	182	0.0058	-0.0021	-0.0038	0	0.0051	0
Tungsten	183	0.0065	-0.0011	-0.0054	0	0.006	0
Tungsten	184	0.0044	-0.0026	-0.0018	0	0.0038	0
Uranium	238	-0.0004	0.002	-0.0016	0	0.0018	0

Internal Standard Factors:

Lithium	6	0.946	1.008	1.053	0.946	n/a	n/a
Scandium	45	1.021	0.978	1.002	1.021	n/a	n/a
Rhodium	103	1.015	0.986	1	1.015	n/a	n/a
Lutetium	175	1.019	0.992	0.99	1.019	n/a	n/a
Gold	197	0.997	1	1.002	0.997	n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 01-19-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #186276

Sample Name:	Cal. Stn				Mean	SD	%RSD
TimeStamp	1/19/10 15:17						
Arsenic	75	24.85	24.93	25.21	25	0.189	0.7558
Beryllium	9	24.97	24.72	25.3	25	0.2885	1.154
Chromium	52	24.45	24.52	26.03	25	0.8949	3.58
Chromium	53	24.52	24.88	25.6	25	0.5509	2.204
Cobalt	59	24.71	24.83	25.46	25	0.4064	1.625
Platinum	194	24.32	25.02	25.66	25	0.6685	2.674
Platinum	195	24.17	25.59	25.24	25	0.7439	2.976
Platinum	196	24.46	25.17	25.37	25	0.4773	1.909
Selenium	77	24.72	24.95	25.33	25	0.3064	1.226
Selenium	78	24.53	24.95	25.53	25	0.5016	2.006
Selenium	82	24.77	25.26	24.97	25	0.2436	0.9745
Thallium	203	25.04	25.16	24.81	25	0.1787	0.7146
Thallium	205	24.84	25.1	25.06	25	0.1364	0.5456
Tungsten	182	24.72	24.9	25.38	25	0.3396	1.358
Tungsten	183	24.77	24.46	25.77	25	0.6852	2.741
Tungsten	184	24.3	25.21	25.49	25	0.6186	2.474
Uranium	238	24.31	25.65	25.05	25	0.6717	2.687

Internal Standard

Factors:

Lithium	6	1.063	1.071	1.07	1.063	n/a	n/a
Scandium	45	1.021	0.996	1.023	1.021	n/a	n/a
Rhodium	103	0.992	0.942	0.928	0.992	n/a	n/a
Lutetium	175	1.015	0.928	0.901	1.015	n/a	n/a
Gold	197	0.942	0.911	0.854	0.942	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:		ICV1			Mean	SD	%RSD
TimeStamp		1/19/10 15:20					
Arsenic	75	25.54	25.4	25.38	25.44	0.0891	0.35
Beryllium	9	2.589	2.576	2.566	2.577	0.0115	0.4479
Chromium	52	9.939	9.949	9.94	9.943	0.0056	0.0559
Chromium	53	10.23	10.12	10.06	10.14	0.0865	0.8531
Cobalt	59	24.82	25.3	24.61	24.91	0.3518	1.412
Platinum	194	25.87	25.37	25.5	25.58	0.2618	1.023
Platinum	195	24.63	25.14	25.46	25.07	0.4201	1.676
Platinum	196	24.87	24.89	25.09	24.95	0.1207	0.4836
Selenium	77	26.43	25.9	26.3	26.21	0.2745	1.047
Selenium	78	25.63	25.82	25.67	25.71	0.1021	0.3971
Selenium	82	25.84	25.78	25.63	25.75	0.1125	0.4368
Thallium	203	26.34	25.44	26.26	26.02	0.5022	1.93
Thallium	205	25.81	25.16	25.58	25.52	0.3338	1.308
Tungsten	182	24.82	25.16	25.06	25.01	0.1751	0.7003
Tungsten	183	25.38	25.53	24.93	25.28	0.3121	1.235
Tungsten	184	26.41	26.04	25.87	26.11	0.2737	1.048
Uranium	238	25.16	25.45	25.74	25.45	0.2924	1.149

Internal Standard Factors:

Lithium	6	1.063	1.076	1.091	1.063	n/a	n/a
Scandium	45	1.019	1.003	0.999	1.019	n/a	n/a
Rhodium	103	0.998	0.972	0.964	0.998	n/a	n/a
Lutetium	175	1.011	0.967	0.966	1.011	n/a	n/a
Gold	197	0.979	0.932	0.937	0.979	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:		CCV1			Mean	SD	%RSD
TimeStamp		1/19/10 15:25					
Arsenic	75	24.75	24.49	24.44	24.56	0.1666	0.6783
Beryllium	9	25.55	24.69	24.47	24.9	0.5687	2.284
Chromium	52	24.22	24.93	24.21	24.45	0.4105	1.679
Chromium	53	24.2	24.93	24.17	24.43	0.4262	1.744
Cobalt	59	23.97	24.62	24.21	24.27	0.3297	1.359
Platinum	194	25.35	24.23	24.91	24.83	0.565	2.276
Platinum	195	24.85	24.13	24.87	24.62	0.4194	1.704
Platinum	196	24.58	25.43	24.94	24.98	0.4232	1.694
Selenium	77	24.94	25.17	24.35	24.82	0.4233	1.706
Selenium	78	24.65	25.03	24.18	24.62	0.4257	1.729
Selenium	82	24.52	24.8	24.16	24.49	0.3216	1.313
Thallium	203	24.74	24.54	24.89	24.72	0.1757	0.7106
Thallium	205	24.57	24.39	24.9	24.62	0.2591	1.053
Tungsten	182	24.9	24.27	25.01	24.73	0.4014	1.623
Tungsten	183	24.89	24.72	25.25	24.96	0.2705	1.084
Tungsten	184	25.39	24.95	25.47	25.27	0.2835	1.122
Uranium	238	24.27	23.69	23.5	23.82	0.4009	1.683

Internal Standard Factors:

Lithium	6	1.09	1.08	1.083	1.09	n/a	n/a
Scandium	45	1.041	1.03	0.998	1.041	n/a	n/a
Rhodium	103	1.041	0.978	0.974	1.041	n/a	n/a
Lutetium	175	1.073	0.958	0.964	1.073	n/a	n/a
Gold	197	1.003	0.929	0.92	1.003	n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 01-19-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #186276

Sample Name:		ICB1			Mean	SD	%RSD
TimeStamp		1/19/10 15:35					
Arsenic	75	-0.0598	-0.0764	-0.0653	-0.0672	0.0085	12.62
Beryllium	9	0.0045	-0.0011	0.001	0.0015	0.0028	188.3
Chromium	52	-0.0299	-0.0104	-0.026	-0.0221	0.0103	46.62
Chromium	53	0.0431	0.0546	0.0279	0.0419	0.0134	31.95
Cobalt	59	0.0021	0.0011	-0.0004	0.0009	0.0013	135.2
Platinum	194	0.0009	-0.0003	-0.0011	-0.0001	0.001	681
Platinum	195	0.0047	0.0021	0.0035	0.0035	0.0013	37.61
Platinum	196	0.0028	0.0035	0.0006	0.0023	0.0015	66.56
Selenium	77	0.2022	0.3752	0.1841	0.2538	0.1055	41.56
Selenium	78	0.2229	0.7155	0.4336	0.4573	0.2471	54.04
Selenium	82	-0.0748	0.0651	-0.1178	-0.0425	0.0956	225.2
Thallium	203	0.0026	0.0023	0.0032	0.0027	0.0005	17.4
Thallium	205	0.0025	0.0026	0.0024	0.0025	0.0001	3.361
Tungsten	182	0.081	0.08	0.0745	0.0785	0.0035	4.413
Tungsten	183	0.0821	0.082	0.0704	0.0781	0.0068	8.642
Tungsten	184	0.0881	0.0877	0.09	0.0886	0.0012	1.36
Uranium	238	-0.0031	-0.0034	-0.0041	-0.0035	0.0005	14.48

Internal Standard Factors:

Lithium	6	1.077	1.056	1.07	1.077 n/a	n/a
Scandium	45	1.12	1.087	1.045	1.12 n/a	n/a
Rhodium	103	1.227	1.134	1.114	1.227 n/a	n/a
Lutetium	175	1.295	1.162	1.094	1.295 n/a	n/a
Gold	197	1.237	1.146	1.08	1.237 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:		CCB1			Mean	SD	%RSD
TimeStamp		1/19/10 15:39					
Arsenic	75	-0.102	-0.0714	-0.0889	-0.0874	0.0154	17.59
Beryllium	9	-0.0011	-0.0002	-0.0012	-0.0008	0.0005	62
Chromium	52	-0.0571	-0.0578	-0.0779	-0.0643	0.0118	18.34
Chromium	53	0.0001	0.0152	0.0185	0.0113	0.0098	87.31
Cobalt	59	0.0008	0.0002	0	0.0004	0.0004	112.7
Platinum	194	0.0044	0.0016	0.0009	0.0023	0.0018	80.17
Platinum	195	0.0024	0.0008	0.0005	0.0012	0.0011	84.75
Platinum	196	0.0023	0.0033	0.0017	0.0024	0.0008	33.64
Selenium	77	0.3873	0.1135	0.1504	0.2171	0.1486	68.46
Selenium	78	-0.0229	-0.2399	-0.2865	-0.1831	0.1407	76.83
Selenium	82	-0.0368	-0.1877	-0.2515	-0.1587	0.1103	69.49
Thallium	203	0.0021	0.0021	0.003	0.0024	0.0005	21.51
Thallium	205	0.0033	0.0019	0.0011	0.0021	0.0011	54.46
Tungsten	182	0.0591	0.0638	0.0531	0.0587	0.0054	9.119
Tungsten	183	0.0534	0.0641	0.0536	0.057	0.0062	10.8
Tungsten	184	0.0544	0.0521	0.0455	0.0507	0.0046	9.093
Uranium	238	-0.0029	-0.0033	-0.0057	-0.004	0.0015	37.5

**Internal Standard
Factors:**

Lithium	6	1.067	1.072	1.062	1.067 n/a	n/a
Scandium	45	1.085	1.027	1.029	1.085 n/a	n/a
Rhodium	103	1.171	1.097	1.074	1.171 n/a	n/a
Lutetium	175	1.196	1.101	1.068	1.196 n/a	n/a
Gold	197	1.225	1.1	1.076	1.225 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:		SOIL CRA			Mean	SD	%RSD
TimeStamp		1/19/10 15:42					
Arsenic	75	1.025	0.9663	0.9756	0.9889	0.0315	3.182
Beryllium	9	0.0452	0.0465	0.0454	0.0457	0.0007	1.497
Chromium	52	0.4312	0.4401	0.4534	0.4415	0.0112	2.528
Chromium	53	0.52	0.4967	0.466	0.4942	0.0271	5.485
Cobalt	59	0.0431	0.0441	0.0435	0.0436	0.0005	1.209
Platinum	194	0.0007	0.0033	0.0014	0.0018	0.0014	75.3
Platinum	195	0.0017	0.0008	0.0006	0.001	0.0006	56.09
Platinum	196	0.0029	0.0029	0.0026	0.0028	0.0002	6.458
Selenium	77	2.096	2.606	2.54	2.414	0.2777	11.5
Selenium	78	2.269	2.231	2.214	2.238	0.0281	1.255
Selenium	82	1.955	2.249	1.961	2.055	0.1677	8.161
Thallium	203	0.0555	0.0497	0.0491	0.0514	0.0035	6.794
Thallium	205	0.052	0.0477	0.0517	0.0505	0.0024	4.786
Tungsten	182	0.047	0.048	0.0408	0.0453	0.0039	8.561
Tungsten	183	0.0276	0.0351	0.0462	0.0363	0.0094	25.83
Tungsten	184	0.0455	0.0432	0.0398	0.0428	0.0029	6.728
Uranium	238	0.0397	0.0369	0.0422	0.0396	0.0027	6.741

**Internal Standard
Factors:**

Lithium	6	1.069	1.076	1.095	1.069	n/a	n/a
Scandium	45	1.103	1.065	1.063	1.103	n/a	n/a
Rhodium	103	1.15	1.103	1.114	1.15	n/a	n/a
Lutetium	175	1.165	1.085	1.126	1.165	n/a	n/a
Gold	197	1.185	1.102	1.116	1.185	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name: TimeStamp		W & Pt CRA @ 0.2 ppb 1/19/10 16:11			Mean	SD	%RSD
Arsenic	75	0.1233	0.1318	0.2293	0.1615	0.0589	36.48
Beryllium	9	0.2204	0.2133	0.2051	0.2129	0.0076	3.584
Chromium	52	0.3122	0.2966	0.3433	0.3174	0.0238	7.491
Chromium	53	0.2942	0.281	0.2219	0.2657	0.0385	14.48
Cobalt	59	0.1942	0.1957	0.2003	0.1968	0.0032	1.608
Platinum	194	0.2097	0.1858	0.1808	0.1921	0.0154	8.029
Platinum	195	0.1819	0.1766	0.1946	0.1844	0.0092	5.014
Platinum	196	0.1889	0.197	0.1909	0.1923	0.0042	2.205
Selenium	77	0.1916	0.2754	0.1561	0.2077	0.0612	29.48
Selenium	78	0.4175	0.0208	0.3814	0.2733	0.2193	80.27
Selenium	82	-0.043	-0.0016	0.2671	0.0742	0.1684	227
Thallium	203	0.222	0.2286	0.2005	0.2171	0.0147	6.777
Thallium	205	0.2074	0.2118	0.2149	0.2114	0.0038	1.792
Tungsten	182	0.1769	0.1771	0.1716	0.1752	0.0031	1.761
Tungsten	183	0.1869	0.1678	0.1718	0.1755	0.0101	5.757
Tungsten	184	0.1866	0.19	0.1919	0.1895	0.0027	1.412
Uranium	238	0.2011	0.2056	0.1909	0.1992	0.0075	3.768

**Internal Standard
Factors:**

Lithium	6	1.119	1.094	1.082	1.119 n/a	n/a
Scandium	45	1.227	1.122	1.122	1.227 n/a	n/a
Rhodium	103	1.352	1.24	1.18	1.352 n/a	n/a
Lutetium	175	1.497	1.296	1.207	1.497 n/a	n/a
Gold	197	1.478	1.269	1.179	1.478 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:		ICSA			Mean	SD	%RSD
TimeStamp		1/19/10 16:15					
Arsenic	75	0.1816	-0.0894	0.0719	0.0547	0.1363	249.2
Beryllium	9	-0.0017	-0.0018	0.0021	-0.0004	0.0022	505.2
Chromium	52	0.8692	0.8057	0.8348	0.8365	0.0318	3.798
Chromium	53	21.38	21.22	22.17	21.59	0.5054	2.341
Cobalt	59	1.292	1.289	1.274	1.285	0.0094	0.7335
Platinum	194	0.0093	0.0114	0.0082	0.0097	0.0016	16.61
Platinum	195	0.0109	0.0064	0.0093	0.0088	0.0023	25.89
Platinum	196	0.0106	0.0097	0.0068	0.009	0.002	21.9
Selenium	77	7.636	8.468	8.375	8.16	0.4563	5.592
Selenium	78	0.8467	0.6927	1.083	0.8741	0.1965	22.48
Selenium	82	-0.1165	-0.1306	0.1658	-0.0271	0.1672	617.3
Thallium	203	0.0646	0.0587	0.0626	0.062	0.003	4.776
Thallium	205	0.074	0.0682	0.0624	0.0682	0.0058	8.469
Tungsten	182	0.0257	0.0291	0.0254	0.0267	0.0021	7.79
Tungsten	183	0.0181	0.0288	0.0099	0.0189	0.0095	50.16
Tungsten	184	0.0288	0.0285	0.0239	0.0271	0.0027	10.06
Uranium	238	0.0021	0.0045	0.003	0.0032	0.0012	37.62

Internal Standard Factors:

Lithium	6	1.296	1.287	1.285	1.296 n/a	n/a
Scandium	45	1.386	1.349	1.363	1.386 n/a	n/a
Rhodium	103	1.571	1.495	1.472	1.571 n/a	n/a
Lutetium	175	1.5	1.371	1.3	1.5 n/a	n/a
Gold	197	1.503	1.4	1.333	1.503 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:		ICSAB			Mean	SD	%RSD
TimeStamp		1/19/10 16:19					
Arsenic	75	26.31	25.44	25.78	25.84	0.4369	1.691
Beryllium	9	0.0178	0.011	0.0149	0.0146	0.0034	23.53
Chromium	52	49.92	50.24	50.28	50.15	0.1975	0.3939
Chromium	53	66.99	66.73	66.52	66.75	0.2346	0.3515
Cobalt	59	58.65	56.82	56.75	57.41	1.075	1.873
Platinum	194	0.0111	0.0129	0.0095	0.0112	0.0017	15.19
Platinum	195	0.0095	0.0111	0.0129	0.0112	0.0017	15.61
Platinum	196	0.0064	0.0094	0.0148	0.0102	0.0043	41.68
Selenium	77	30.58	30.64	31.1	30.77	0.2887	0.9381
Selenium	78	25.18	25.33	25.54	25.35	0.1779	0.702
Selenium	82	24.83	23.69	24.71	24.41	0.6249	2.56
Thallium	203	0.0789	0.0728	0.0725	0.0747	0.0036	4.826
Thallium	205	0.0702	0.0699	0.0744	0.0715	0.0025	3.523
Tungsten	182	0.0159	0.0181	0.0227	0.0189	0.0035	18.46
Tungsten	183	0.0066	0.0145	0.0041	0.0084	0.0054	64.42
Tungsten	184	0.0166	0.0149	0.0192	0.0169	0.0022	13.02
Uranium	238	0.0277	0.0274	0.0282	0.0277	0.0004	1.462

**Internal Standard
Factors:**

Lithium	6	1.264	1.253	1.255	1.264	n/a	n/a
Scandium	45	1.374	1.334	1.325	1.374	n/a	n/a
Rhodium	103	1.386	1.303	1.295	1.386	n/a	n/a
Lutetium	175	1.298	1.171	1.155	1.298	n/a	n/a
Gold	197	1.271	1.188	1.195	1.271	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:		LCSS K09012258 1/50			Mean	SD	%RSD
TimeStamp		1/19/10 16:25					
Arsenic	75	15.88	15.84	16.25	15.99	0.2289	1.432
Beryllium	9	10.96	10.88	11.2	11.01	0.1623	1.474
Chromium	52	25.77	25.85	26.46	26.03	0.3783	1.453
Chromium	53	26.64	26.22	26.57	26.47	0.2244	0.8477
Cobalt	59	42.43	42.17	42.53	42.38	0.1863	0.4395
Platinum	194	0.004	0.0059	0.0015	0.0038	0.0022	57.48
Platinum	195	0.0036	0.0033	0.0048	0.0039	0.0008	20.08
Platinum	196	0.0029	0.0076	0.0047	0.0051	0.0023	46.05
Selenium	77	33.32	34.43	34.55	34.1	0.6813	1.998
Selenium	78	33.16	33.13	33.51	33.27	0.2103	0.6322
Selenium	82	33.74	34.86	35.87	34.82	1.066	3.06
Thallium	203	51.95	53.84	51.99	52.59	1.079	2.052
Thallium	205	52.9	54.09	51.62	52.87	1.234	2.334
Tungsten	182	0.1075	0.1063	0.1081	0.1073	0.0009	0.8691
Tungsten	183	0.1013	0.0974	0.1261	0.1083	0.0156	14.36
Tungsten	184	0.1106	0.1174	0.1228	0.1169	0.0061	5.246
Uranium	238	0.3551	0.382	0.3502	0.3625	0.0171	4.726

Internal Standard Factors:

Lithium	6	1.151	1.151	1.156	1.151 n/a	n/a
Scandium	45	1.2	1.135	1.148	1.2 n/a	n/a
Rhodium	103	1.228	1.168	1.153	1.228 n/a	n/a
Lutetium	175	1.231	1.144	1.113	1.231 n/a	n/a
Gold	197	1.279	1.211	1.153	1.279 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:		R0907171-MB 1/5			Mean	SD	%RSD
TimeStamp		1/19/10 16:29					
Arsenic	75	0.0323	0.0337	0.0248	0.0303	0.0048	15.83
Beryllium	9	-0.0022	-0.0026	-0.0018	-0.0022	0.0004	17.41
Chromium	52	0.1178	0.0798	0.1278	0.1084	0.0253	23.35
Chromium	53	0.624	0.573	0.6032	0.6001	0.0256	4.269
Cobalt	59	0.003	0.0025	0.0037	0.0031	0.0006	19.24
Platinum	194	0.0036	0.0015	0.0026	0.0025	0.0011	41.57
Platinum	195	0.0031	0.0011	0.0038	0.0027	0.0014	52.15
Platinum	196	0.002	0.0031	0.0009	0.002	0.0011	55.5
Selenium	77	-0.1856	-0.0889	-0.1545	-0.143	0.0494	34.51
Selenium	78	-0.7057	-0.8842	-0.6105	-0.7335	0.1389	18.94
Selenium	82	-0.1661	-0.0477	-0.168	-0.1273	0.0689	54.15
Thallium	203	0.01	0.0038	0.0039	0.0059	0.0035	60.11
Thallium	205	0.0073	0.0079	0.004	0.0064	0.0021	32.59
Tungsten	182	0.0167	0.0178	0.0172	0.0172	0.0005	3.102
Tungsten	183	0.0153	0.011	0.0111	0.0125	0.0025	19.9
Tungsten	184	0.0177	0.0163	0.0114	0.0151	0.0033	21.69
Uranium	238	-0.008	-0.0072	-0.0076	-0.0076	0.0004	4.76

**Internal Standard
Factors:**

Lithium	6	1.141	1.133	1.135	1.141	n/a	n/a
Scandium	45	1.248	1.19	1.194	1.248	n/a	n/a
Rhodium	103	1.314	1.243	1.227	1.314	n/a	n/a
Lutetium	175	1.326	1.212	1.238	1.326	n/a	n/a
Gold	197	1.395	1.321	1.328	1.395	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:		LCSS R0907171 1/50			Mean	SD	%RSD
TimeStamp		1/19/10 16:32					
Arsenic	75	19.07	18.65	19.4	19.04	0.3739	1.964
Beryllium	9	13.24	13.03	12.92	13.07	0.1639	1.254
Chromium	52	28.01	28.46	28.25	28.24	0.2219	0.7857
Chromium	53	27.94	27.64	27.88	27.82	0.1539	0.5533
Cobalt	59	47.08	46.17	46.73	46.66	0.4595	0.9849
Platinum	194	0.0038	0.0028	0.0022	0.0029	0.0008	26.15
Platinum	195	0.0021	0.0026	0.001	0.0019	0.0008	42.75
Platinum	196	0.0079	0.0052	0.0054	0.0062	0.0015	23.47
Selenium	77	43.09	45.57	43.98	44.21	1.252	2.832
Selenium	78	45.23	44.2	45.24	44.89	0.5947	1.325
Selenium	82	45.13	44.54	45.27	44.98	0.3861	0.8585
Thallium	203	51.38	52.17	51.8	51.78	0.3947	0.7622
Thallium	205	52.09	52.85	52.58	52.51	0.3858	0.7348
Tungsten	182	0.0118	0.0141	0.018	0.0146	0.0032	21.66
Tungsten	183	0.0222	0.0131	0.0175	0.0176	0.0046	25.92
Tungsten	184	0.0189	0.0166	0.0198	0.0184	0.0016	8.913
Uranium	238	0.334	0.3394	0.3298	0.3344	0.0048	1.439

**Internal Standard
Factors:**

Lithium	6	1.138	1.135	1.141	1.138	n/a	n/a
Scandium	45	1.184	1.144	1.145	1.184	n/a	n/a
Rhodium	103	1.193	1.139	1.116	1.193	n/a	n/a
Lutetium	175	1.161	1.063	1.086	1.161	n/a	n/a
Gold	197	1.064	1.013	0.993	1.064	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:		LCSW R0907171 1/5			Mean	SD	%RSD
TimeStamp		1/19/10 16:37					
Arsenic	75	181.7	182.9	183.7	182.8	1.013	0.5545
Beryllium	9	19.67	19.62	19.24	19.51	0.2336	1.197
Chromium	52	88.37	88.61	90.09	89.03	0.9314	1.046
Chromium	53	80.67	80.09	81.97	80.91	0.96	1.187
Cobalt	59	209.6	211.8	214.9	212.1	2.681	1.264
Platinum	194	56.8	57.67	56.75	57.07	0.517	0.9059
Platinum	195	58.76	56.59	55.79	57.05	1.538	2.696
Platinum	196	58.11	56.54	57.5	57.38	0.7936	1.383
Selenium	77	178.6	178.5	180.1	179.1	0.9344	0.5219
Selenium	78	182.9	181.4	184.5	183	1.556	0.8507
Selenium	82	182.1	182.4	184.1	182.9	1.044	0.5708
Thallium	203	211.2	236.2	224.5	224	12.53	5.596
Thallium	205	236.5	232.5	226.8	231.9	4.915	2.119
Tungsten	182	56.29	57.4	57.18	56.96	0.5881	1.033
Tungsten	183	56.64	58.03	55.88	56.85	1.091	1.919
Tungsten	184	58.76	59.64	58.3	58.9	0.6829	1.159
Uranium	238	44.07	44.94	41.29	43.43	1.909	4.395

**Internal Standard
 Factors:**

Lithium	6	1.129	1.135	1.141	1.129	n/a	n/a
Scandium	45	1.174	1.132	1.142	1.174	n/a	n/a
Rhodium	103	1.056	1.014	1.015	1.056	n/a	n/a
Lutetium	175	1.041	1.007	0.992	1.041	n/a	n/a
Gold	197	1.036	0.994	0.968	1.036	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:		R0907171-004 1/5			Mean	SD	%RSD
TimeStamp		1/19/10 17:07					
Arsenic	75	4.481	4.321	4.622	4.474	0.1507	3.367
Beryllium	9	0.8606	0.8779	0.864	0.8675	0.0092	1.059
Chromium	52	11.23	11.41	11.07	11.24	0.1707	1.519
Chromium	53	11.33	11.62	11.48	11.48	0.143	1.246
Cobalt	59	12.48	12.68	12.63	12.6	0.1038	0.8241
Platinum	194	0.0989	0.1021	0.1044	0.1018	0.0027	2.698
Platinum	195	0.0876	0.0836	0.0915	0.0876	0.0039	4.497
Platinum	196	0.1209	0.1108	0.1248	0.1188	0.0072	6.089
Selenium	77	6.352	7.137	6.592	6.694	0.4023	6.01
Selenium	78	0.4942	0.7861	0.3103	0.5302	0.24	45.26
Selenium	82	1.303	1.463	1.33	1.365	0.0855	6.264
Thallium	203	0.6795	0.6465	0.6452	0.6571	0.0194	2.955
Thallium	205	0.6553	0.6468	0.6359	0.646	0.0097	1.499
Tungsten	182	1.147	1.021	0.9293	1.033	0.1095	10.61
Tungsten	183	1.149	1.04	0.9321	1.04	0.1084	10.42
Tungsten	184	1.163	1.053	0.95	1.055	0.1063	10.07
Uranium	238	1.805	1.847	1.698	1.783	0.0768	4.307

**Internal Standard
Factors:**

Lithium	6	1.097	1.124	1.138	1.097	n/a	n/a
Scandium	45	0.989	0.975	0.953	0.989	n/a	n/a
Rhodium	103	1.319	1.255	1.243	1.319	n/a	n/a
Lutetium	175	1.253	1.167	1.173	1.253	n/a	n/a
Gold	197	1.349	1.298	1.273	1.349	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:		R0907171-004 1/5D			Mean	SD	%RSD
TimeStamp		1/19/10 17:11					
Arsenic	75	3.593	3.78	3.912	3.762	0.1606	4.269
Beryllium	9	0.8491	0.825	0.8183	0.8308	0.0162	1.952
Chromium	52	9.813	9.938	10.25	10	0.227	2.27
Chromium	53	10.03	10.28	10.26	10.19	0.1377	1.351
Cobalt	59	11.66	11.91	12.27	11.95	0.3041	2.545
Platinum	194	0.0307	0.0381	0.0342	0.0343	0.0037	10.83
Platinum	195	0.0179	0.024	0.0211	0.021	0.003	14.52
Platinum	196	0.0528	0.0451	0.0485	0.0488	0.0039	7.903
Selenium	77	6.151	6.449	5.84	6.147	0.3046	4.956
Selenium	78	0.292	0.053	-0.0383	0.1023	0.1706	166.8
Selenium	82	0.8684	0.879	1.08	0.9425	0.1192	12.65
Thallium	203	0.3852	0.4116	0.398	0.3983	0.0132	3.311
Thallium	205	0.3904	0.3835	0.3893	0.3877	0.0037	0.9489
Tungsten	182	0.7543	0.7502	0.7398	0.7481	0.0075	0.9996
Tungsten	183	0.7672	0.7627	0.7268	0.7522	0.0222	2.945
Tungsten	184	0.7711	0.7959	0.7296	0.7655	0.0335	4.378
Uranium	238	1.615	1.652	1.626	1.631	0.0188	1.155

Internal Standard Factors:

Lithium	6	1.125	1.125	1.123	1.125	n/a	n/a
Scandium	45	0.965	0.956	0.958	0.965	n/a	n/a
Rhodium	103	1.315	1.256	1.239	1.315	n/a	n/a
Lutetium	175	1.289	1.21	1.154	1.289	n/a	n/a
Gold	197	1.419	1.276	1.264	1.419	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:		R0907171-004 1/25L			Mean	SD	%RSD
TimeStamp		1/19/10 17:35					
Arsenic	75	0.966	1.004	0.9746	0.9816	0.0201	2.043
Beryllium	9	0.2088	0.2038	0.1991	0.2039	0.0049	2.397
Chromium	52	2.697	2.704	2.764	2.722	0.0368	1.351
Chromium	53	2.795	2.969	2.834	2.866	0.0912	3.182
Cobalt	59	2.92	2.925	2.976	2.94	0.0311	1.057
Platinum	194	0.0153	0.005	0.0088	0.0097	0.0052	53.78
Platinum	195	0.0131	0.0085	0.0062	0.0093	0.0035	38.08
Platinum	196	0.0239	0.0136	0.0176	0.0184	0.0052	28.25
Selenium	77	1.541	1.573	1.883	1.666	0.1887	11.33
Selenium	78	-0.0554	-0.2175	0.0892	-0.0612	0.1534	250.6
Selenium	82	0.0588	0.2662	0.2619	0.1956	0.1185	60.58
Thallium	203	0.101	0.0858	0.0914	0.0928	0.0077	8.305
Thallium	205	0.0928	0.0931	0.0938	0.0932	0.0005	0.5609
Tungsten	182	0.3139	0.2954	0.2715	0.2936	0.0212	7.235
Tungsten	183	0.2819	0.2926	0.2801	0.2849	0.0068	2.381
Tungsten	184	0.3101	0.2909	0.2736	0.2915	0.0183	6.262
Uranium	238	0.3439	0.327	0.3229	0.3313	0.0111	3.354

Internal Standard Factors:

Lithium	6	1.099	1.095	1.106	1.099	n/a	n/a
Scandium	45	1.174	1.123	1.144	1.174	n/a	n/a
Rhodium	103	1.297	1.229	1.219	1.297	n/a	n/a
Lutetium	175	1.352	1.211	1.194	1.352	n/a	n/a
Gold	197	1.275	1.166	1.14	1.275	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:		R0907171-004 1/5 +50A			Mean	SD	%RSD
TimeStamp		1/19/10 17:40					
Arsenic	75	48.06	49.62	49.23	48.97	0.8082	1.65
Beryllium	9	46.64	45.73	45.93	46.1	0.4807	1.043
Chromium	52	56.24	56.08	55.49	55.93	0.3965	0.7088
Chromium	53	49.86	51.43	50.67	50.66	0.7821	1.544
Cobalt	59	59.28	59.3	58.75	59.11	0.3099	0.5242
Platinum	194	53.19	49.47	53.71	52.12	2.31	4.433
Platinum	195	51.82	49.91	52.44	51.39	1.317	2.563
Platinum	196	51.62	50.84	52.91	51.79	1.044	2.017
Selenium	77	49.81	48.65	49.53	49.33	0.6065	1.229
Selenium	78	42.85	45.09	43.33	43.76	1.18	2.698
Selenium	82	43.53	45.62	45.68	44.94	1.222	2.719
Thallium	203	53.28	51.21	52.86	52.45	1.094	2.086
Thallium	205	52.88	50.42	53.2	52.17	1.52	2.913
Tungsten	182	52.61	54.07	51.74	52.81	1.179	2.233
Tungsten	183	54.22	54.01	51.51	53.25	1.508	2.832
Tungsten	184	54.58	54.31	54.22	54.37	0.185	0.3403
Uranium	238	56.41	55.41	56.49	56.11	0.6003	1.07

**Internal Standard
 Factors:**

Lithium	6	1.136	1.155	1.15	1.136	n/a	n/a
Scandium	45	0.975	0.975	0.953	0.975	n/a	n/a
Rhodium	103	1.274	1.206	1.178	1.274	n/a	n/a
Lutetium	175	1.255	1.181	1.107	1.255	n/a	n/a
Gold	197	1.264	1.133	1.132	1.264	n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 01-19-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #186276

Sample Name:		R0907171-004 1/25S			Mean	SD	%RSD
TimeStamp		1/19/10 17:45					
Arsenic	75	39.53	40.63	40.02	40.06	0.5508	1.375
Beryllium	9	5.45	5.365	5.354	5.389	0.0529	0.9809
Chromium	52	23.27	23.97	23.79	23.68	0.3653	1.543
Chromium	53	23.06	24.09	23.6	23.58	0.5126	2.174
Cobalt	59	54.68	56.26	55.39	55.44	0.7867	1.419
Platinum	194	7.423	7.576	7.526	7.508	0.0776	1.034
Platinum	195	7.444	7.402	7.532	7.459	0.0661	0.8854
Platinum	196	7.361	7.605	7.571	7.512	0.1322	1.76
Selenium	77	41.53	42.44	42.93	42.3	0.7083	1.675
Selenium	78	40.28	41.12	40.84	40.75	0.4271	1.048
Selenium	82	42.27	42.18	41.46	41.97	0.4475	1.066
Thallium	203	37.37	38.98	38.74	38.36	0.8688	2.265
Thallium	205	36.78	38.89	38.87	38.18	1.212	3.175
Tungsten	182	5.865	6.202	6.174	6.08	0.1872	3.079
Tungsten	183	5.761	6.186	6.126	6.024	0.23	3.817
Tungsten	184	5.924	6.31	6.203	6.146	0.1993	3.242
Uranium	238	8.021	8.128	8.167	8.105	0.0758	0.9349

Internal Standard

Factors:

Lithium	6	1.111	1.123	1.133	1.111	n/a	n/a
Scandium	45	1.109	1.104	1.09	1.109	n/a	n/a
Rhodium	103	1.207	1.14	1.125	1.207	n/a	n/a
Lutetium	175	1.207	1.133	1.109	1.207	n/a	n/a
Gold	197	1.107	1.03	1.021	1.107	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:		CCV2			Mean	SD	%RSD
TimeStamp		1/19/10 17:51					
Arsenic	75	24.72	25.19	24.35	24.76	0.4191	1.693
Beryllium	9	25.39	25.37	24.74	25.17	0.3699	1.47
Chromium	52	23.62	24.67	24.61	24.3	0.589	2.424
Chromium	53	23.57	24.47	24.29	24.11	0.4751	1.971
Cobalt	59	23.3	24.28	24.15	23.91	0.5339	2.233
Platinum	194	25.19	25.07	25.03	25.1	0.0833	0.332
Platinum	195	24.91	25.11	24.43	24.82	0.353	1.422
Platinum	196	24.35	24.41	24.74	24.5	0.2119	0.865
Selenium	77	24.44	24.64	25.59	24.89	0.6141	2.467
Selenium	78	23.51	23.66	24.66	23.94	0.6206	2.592
Selenium	82	25.18	24.94	24.75	24.96	0.2189	0.8772
Thallium	203	24.73	25.3	24.93	24.99	0.2875	1.151
Thallium	205	25.02	25	24.48	24.83	0.3042	1.225
Tungsten	182	25.32	24.88	25.68	25.29	0.3977	1.572
Tungsten	183	24.58	25.76	25.23	25.19	0.595	2.362
Tungsten	184	26.1	25.04	25.3	25.48	0.5537	2.173
Uranium	238	24.57	24.63	24.08	24.43	0.3011	1.232

**Internal Standard
Factors:**

Lithium	6	1.104	1.114	1.109	1.104	n/a	n/a
Scandium	45	1.194	1.191	1.162	1.194	n/a	n/a
Rhodium	103	1.205	1.134	1.124	1.205	n/a	n/a
Lutetium	175	1.288	1.14	1.114	1.288	n/a	n/a
Gold	197	1.151	1.067	1.041	1.151	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:		CCB2			Mean	SD	%RSD
TimeStamp		1/19/10 18:01					
Arsenic	75	0.0037	0.0075	-0.0511	-0.0133	0.0328	246.5
Beryllium	9	-0.004	-0.0042	-0.0039	-0.004	0.0001	3.51
Chromium	52	-0.113	-0.105	-0.134	-0.1174	0.015	12.77
Chromium	53	0.1763	0.1555	0.1057	0.1458	0.0363	24.88
Cobalt	59	0.0011	0.0007	-0.0011	0.0002	0.0012	558.3
Platinum	194	0.0022	0.0015	0.0016	0.0017	0.0004	21.95
Platinum	195	0.0038	0.0027	0.0025	0.003	0.0007	23.22
Platinum	196	0.0011	0.0017	0.0032	0.002	0.0011	55.29
Selenium	77	0.2744	0.1094	0.1376	0.1738	0.0883	50.78
Selenium	78	-0.3386	-0.4887	-0.7841	-0.5371	0.2267	42.2
Selenium	82	0.2114	0.0939	-0.1329	0.0575	0.175	304.6
Thallium	203	0.0069	0.0063	0.0054	0.0062	0.0008	12.16
Thallium	205	0.0073	0.0057	0.0061	0.0064	0.0009	13.65
Tungsten	182	0.0971	0.1082	0.0979	0.1011	0.0062	6.119
Tungsten	183	0.1027	0.0942	0.085	0.0939	0.0088	9.411
Tungsten	184	0.1001	0.0961	0.1063	0.1008	0.0052	5.108
Uranium	238	-0.006	-0.0058	-0.0067	-0.0062	0.0005	7.782

**Internal Standard
 Factors:**

Lithium	6	1.096	1.093	1.092	1.096	n/a	n/a
Scandium	45	1.255	1.193	1.147	1.255	n/a	n/a
Rhodium	103	1.352	1.266	1.21	1.352	n/a	n/a
Lutetium	175	1.421	1.322	1.253	1.421	n/a	n/a
Gold	197	1.384	1.294	1.236	1.384	n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 01-19-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #186276

Sample Name:		R0907171-001 1/5			Mean	SD	%RSD	
TimeStamp		1/19/10 18:04						
Arsenic	75		19.07	19.47	19.06	19.2	0.2324	1.211
Beryllium	9		0.341	0.3223	0.3322	0.3318	0.0094	2.825
Chromium	52	g 1/19/10	3298	3212	3140	3217	78.96	2.455
Chromium	53	see	3025	2948	2957	2977	41.99	1.411
Cobalt	59	66100	3.349	3.398	3.321	3.356	0.0388	1.158
Platinum	194		0.1333	0.1242	0.1282	0.1286	0.0046	3.569
Platinum	195		0.1115	0.1197	0.1141	0.1151	0.0042	3.643
Platinum	196		0.1327	0.1339	0.141	0.1359	0.0045	3.286
Selenium	77		2.051	1.717	1.736	1.835	0.1875	10.22
Selenium	78		1.734	1.618	1.672	1.675	0.058	3.461
Selenium	82		1.126	1.115	1.154	1.132	0.0204	1.8
Thallium	203		0.385	0.4298	0.393	0.4026	0.0239	5.929
Thallium	205		0.3933	0.4017	0.3569	0.3839	0.0238	6.191
Tungsten	182		10.23	10.35	10.18	10.26	0.0886	0.8643
Tungsten	183		10.37	10.41	10.19	10.32	0.1179	1.142
Tungsten	184		10.9	10.91	10.82	10.88	0.0481	0.4425
Uranium	238		3.074	3.175	3.049	3.099	0.067	2.161

Internal Standard

Factors:

Lithium	6		1.358	1.364	1.378	1.358	n/a	n/a
Scandium	45		1.158	1.101	1.101	1.158	n/a	n/a
Rhodium	103		1.374	1.303	1.261	1.374	n/a	n/a
Lutetium	175		1.168	1.085	1.037	1.168	n/a	n/a
Gold	197		1.314	1.245	1.188	1.314	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:		R0907171-002 1/5			Mean	SD	%RSD
TimeStamp		1/19/10 18:09					
Arsenic	75	56.11	56.79	56.62	56.51	0.3519	0.6228
Beryllium	9	0.3985	0.3847	0.3739	0.3857	0.0123	3.194
Chromium	52	4791	4684	4645	4706	75.49	1.604
Chromium	53	4322	4294	4275	4297	23.69	0.5513
Cobalt	59	3.815	3.841	3.843	3.833	0.0153	0.3995
Platinum	194	0.3953	0.3321	0.3488	0.3587	0.0327	9.122
Platinum	195	0.3176	0.3465	0.3476	0.3373	0.017	5.046
Platinum	196	0.3655	0.3405	0.3318	0.3459	0.0175	5.059
Selenium	77	1.516	2.123	2.154	1.931	0.3599	18.64
Selenium	78	0.6777	1.035	1.083	0.9317	0.2213	23.75
Selenium	82	1.239	0.9658	0.9712	1.059	0.1564	14.77
Thallium	203	0.3511	0.3521	0.3711	0.3581	0.0112	3.138
Thallium	205	0.3502	0.3516	0.357	0.3529	0.0036	1.01
Tungsten	182	12.31	12.27	12.01	12.2	0.1602	1.313
Tungsten	183	12.56	12.14	12.42	12.38	0.2145	1.733
Tungsten	184	12.59	12.8	13.05	12.81	0.2332	1.82
Uranium	238	2.593	2.611	2.726	2.643	0.0722	2.732

Handwritten notes:
 1/19/10
 See
 6010
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Internal Standard Factors:

Lithium	6	1.326	1.344	1.345	1.326	n/a	n/a
Scandium	45	1.101	1.064	1.055	1.101	n/a	n/a
Rhodium	103	1.29	1.208	1.188	1.29	n/a	n/a
Lutetium	175	1.095	1.009	0.991	1.095	n/a	n/a
Gold	197	1.202	1.11	1.103	1.202	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:		R0907171-003 1/5			Mean	SD	%RSD
TimeStamp		1/19/10 18:15					
Arsenic	75	6.417	6.451	6.564	6.477	0.0766	1.183
Beryllium	9	0.9763	0.9095	0.914	0.9332	0.0373	4
Chromium	52	13.31	13.72	13.75	13.6	0.2455	1.806
Chromium	53	13.45	13.31	13.72	13.49	0.206	1.526
Cobalt	59	49.54	50.04	50.78	50.12	0.6226	1.242
Platinum	194	0.0495	0.0384	0.0453	0.0444	0.0056	12.59
Platinum	195	0.0374	0.0357	0.0367	0.0366	0.0009	2.376
Platinum	196	0.0638	0.0541	0.067	0.0616	0.0068	10.96
Selenium	77	6.588	6.254	6.465	6.435	0.1691	2.628
Selenium	78	0.3839	0.2096	0.0855	0.2263	0.1499	66.23
Selenium	82	1.153	1.29	1.46	1.301	0.154	11.83
Thallium	203	1.394	1.375	1.34	1.37	0.0276	2.018
Thallium	205	1.36	1.302	1.383	1.348	0.042	3.112
Tungsten	182	2.573	2.604	2.695	2.624	0.0632	2.409
Tungsten	183	2.625	2.671	2.759	2.685	0.0681	2.536
Tungsten	184	2.688	2.703	2.704	2.699	0.0093	0.3439
Uranium	238	1.799	1.765	1.849	1.804	0.0426	2.359

Internal Standard Factors:

Lithium	6	1.098	1.11	1.127	1.098	n/a	n/a
Scandium	45	0.991	0.978	0.987	0.991	n/a	n/a
Rhodium	103	1.273	1.218	1.204	1.273	n/a	n/a
Lutetium	175	1.211	1.144	1.125	1.211	n/a	n/a
Gold	197	1.293	1.206	1.182	1.293	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

303/124/10

Sample Name:		R0907146-001 1/5			Mean	SD	%RSD
TimeStamp		1/19/10 18:19					
Arsenic	75	7.555	7.627	7.335	7.506	0.1524	2.03
Beryllium	9	0.7182	0.7077	0.7057	0.7105	0.0067	0.9458
Chromium	52	124.3	121.5	120.2	122	2.106	1.726
Chromium	53	97.22	96.75	97.66	97.21	0.4551	0.4682
Cobalt	59	21.74	21.94	22.4	22.02	0.3386	1.537
Platinum	194	0.2271	0.229	0.226	0.2274	0.0015	0.6724
Platinum	195	0.2077	0.1966	0.2091	0.2044	0.0069	3.353
Platinum	196	0.2507	0.2342	0.2671	0.2507	0.0165	6.564
Selenium	77	4.523	4.512	4.466	4.5	0.0301	0.6681
Selenium	78	-0.0913	-0.0632	-0.4439	-0.1994	0.2122	106.4
Selenium	82	0.9207	1.13	0.5262	0.8591	0.3068	35.71
Thallium	203	0.6034	0.6188	0.6204	0.6142	0.0094	1.527
Thallium	205	0.6304	0.5998	0.6026	0.611	0.0169	2.768
Tungsten	182	1.499	1.538	1.597	1.545	0.0496	3.208
Tungsten	183	1.556	1.588	1.558	1.567	0.0181	1.156
Tungsten	184	1.57	1.593	1.56	1.574	0.017	1.077
Uranium	238	2.805	2.794	2.774	2.791	0.0161	0.5753

Internal Standard Factors:

Lithium	6	1.105	1.118	1.126	1.105	n/a	n/a
Scandium	45	1.01	0.958	0.964	1.01	n/a	n/a
Rhodium	103	1.294	1.243	1.212	1.294	n/a	n/a
Lutetium	175	1.221	1.167	1.137	1.221	n/a	n/a
Gold	197	1.309	1.245	1.216	1.309	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:		R0907146-004 1/5			Mean	SD	%RSD
TimeStamp		1/19/10 18:24					
Arsenic	75	5.523	5.408	5.462	5.464	0.0578	1.057
Beryllium	9	0.6614	0.6538	0.6536	0.6563	0.0044	0.6708
Chromium	52	61.64	62.14	62.16	61.98	0.292	0.4711
Chromium	53	55.29	56.39	55.4	55.69	0.6035	1.084
Cobalt	59	20.74	20.89	20.97	20.87	0.1178	0.5643
Platinum	194	0.1644	0.1439	0.1527	0.1537	0.0103	6.682
Platinum	195	0.1309	0.1298	0.1355	0.1321	0.0031	2.32
Platinum	196	0.174	0.1643	0.1688	0.169	0.0049	2.875
Selenium	77	4.236	4.153	4.144	4.178	0.0505	1.21
Selenium	78	-0.3671	-0.0615	-0.0888	-0.1725	0.1691	98.06
Selenium	82	0.6276	0.8692	0.5728	0.6899	0.1577	22.86
Thallium	203	0.484	0.4599	0.473	0.4723	0.0121	2.551
Thallium	205	0.4426	0.452	0.4568	0.4505	0.0072	1.6
Tungsten	182	0.5074	0.5013	0.4955	0.5014	0.006	1.188
Tungsten	183	0.5011	0.4758	0.5039	0.4936	0.0155	3.136
Tungsten	184	0.5267	0.5141	0.4916	0.5108	0.0178	3.479
Uranium	238	1.696	1.604	1.65	1.65	0.0459	2.783

Internal Standard Factors:

Lithium	6	1.102	1.117	1.122	1.102	n/a	n/a
Scandium	45	0.999	0.984	0.975	0.999	n/a	n/a
Rhodium	103	1.267	1.208	1.205	1.267	n/a	n/a
Lutetium	175	1.214	1.117	1.086	1.214	n/a	n/a
Gold	197	1.28	1.183	1.173	1.28	n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 01-19-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #186276

Sample Name:		R0907146-005 1/5			Mean	SD	%RSD
TimeStamp		1/19/10 18:28					
Arsenic	75	2.192	2.17	2.32	2.227	0.0812	3.643
Beryllium	9	0.3371	0.3224	0.3127	0.3241	0.0123	3.793
Chromium	52	62.27	65.1	63.4	63.59	1.423	2.237
Chromium	53	56.73	58.88	59.69	58.43	1.527	2.612
Cobalt	59	3.597	3.737	3.724	3.686	0.0775	2.103
Platinum	194	0.048	0.0463	0.0397	0.0447	0.0044	9.761
Platinum	195	0.0249	0.0271	0.033	0.0283	0.0042	14.73
Platinum	196	0.0853	0.0732	0.0712	0.0766	0.0076	9.929
Selenium	77	1.261	1.167	0.8563	1.095	0.2116	19.33
Selenium	78	-1.147	-1.384	-1.239	-1.257	0.1191	9.477
Selenium	82	0.4376	0.053	0.074	0.1882	0.2162	114.9
Thallium	203	0.251	0.2406	0.235	0.2422	0.0081	3.358
Thallium	205	0.2517	0.2346	0.2364	0.2409	0.0094	3.916
Tungsten	182	0.2414	0.218	0.2403	0.2332	0.0132	5.644
Tungsten	183	0.2484	0.2275	0.2244	0.2334	0.0131	5.593
Tungsten	184	0.2218	0.2246	0.228	0.2248	0.0031	1.391
Uranium	238	1.368	1.309	1.325	1.334	0.0305	2.284

Internal Standard**Factors:**

Lithium	6	1.111	1.127	1.121	1.111	n/a	n/a
Scandium	45	1.038	1.048	1.04	1.038	n/a	n/a
Rhodium	103	1.241	1.189	1.166	1.241	n/a	n/a
Lutetium	175	1.214	1.123	1.113	1.214	n/a	n/a
Gold	197	1.291	1.165	1.146	1.291	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:		R0907146-008 1/5			Mean	SD	%RSD
TimeStamp		1/19/10 18:32					
Arsenic	75	29.09	29.65	28.98	29.24	0.3605	1.233
Beryllium	9	0.4063	0.3928	0.3984	0.3992	0.0068	1.704
Chromium	52	720.1	710.5	711.1	713.9	5.419	0.7591
Chromium	53	644.5	659.3	650.4	651.4	7.477	1.148
Cobalt	59	112.1	107.6	108.3	109.3	2.438	2.23
Platinum	194	1.38	1.353	1.329	1.354	0.0255	1.886
Platinum	195	1.366	1.274	1.365	1.335	0.0532	3.986
Platinum	196	1.337	1.354	1.383	1.358	0.0235	1.728
Selenium	77	1.697	1.516	1.807	1.673	0.1469	8.778
Selenium	78	0.2813	0.4324	0.4839	0.3992	0.1053	26.37
Selenium	82	0.7639	0.762	0.9238	0.8166	0.0929	11.38
Thallium	203	0.7791	0.7631	0.8049	0.7824	0.0211	2.694
Thallium	205	0.807	0.7805	0.8137	0.8004	0.0176	2.192
Tungsten	182	4.681	4.517	4.695	4.631	0.0989	2.136
Tungsten	183	4.481	4.58	4.704	4.588	0.112	2.442
Tungsten	184	4.751	4.626	4.764	4.714	0.0762	1.617
Uranium	238	6.138	6.007	5.96	6.035	0.0922	1.527

Internal Standard Factors:

Lithium	6	1.148	1.158	1.171	1.148 n/a	n/a
Scandium	45	1.046	1.038	1.026	1.046 n/a	n/a
Rhodium	103	1.274	1.207	1.197	1.274 n/a	n/a
Lutetium	175	1.197	1.071	1.049	1.197 n/a	n/a
Gold	197	1.282	1.172	1.191	1.282 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:		R0907146-009 1/5			Mean	SD	%RSD
TimeStamp		1/19/10 18:37					
Arsenic	75	27.86	28.57	29.06	28.5	0.605	2.123
Beryllium	9	0.3498	0.3485	0.3486	0.349	0.0007	0.2034
Chromium	52	268.6	272.7	271.6	271	2.144	0.7913
Chromium	53	201.8	208.1	208.4	206.1	3.735	1.812
Cobalt	59	20.87	21.89	21.62	21.46	0.5282	2.461
Platinum	194	0.3648	0.3671	0.3652	0.3657	0.0012	0.3391
Platinum	195	0.345	0.3575	0.3351	0.3459	0.0112	3.247
Platinum	196	0.3463	0.3741	0.342	0.3541	0.0175	4.929
Selenium	77	1.741	1.946	1.856	1.847	0.1025	5.55
Selenium	78	0.9299	1.014	0.9069	0.9502	0.0563	5.923
Selenium	82	0.8471	0.7252	1.183	0.9185	0.2372	25.83
Thallium	203	0.8424	0.8022	0.8071	0.8172	0.0219	2.68
Thallium	205	0.7983	0.8091	0.8014	0.803	0.0055	0.6892
Tungsten	182	4.111	4.15	4.112	4.124	0.0224	0.5435
Tungsten	183	4.24	4.168	4.212	4.207	0.0362	0.8614
Tungsten	184	4.332	4.18	4.267	4.26	0.0763	1.792
Uranium	238	5.767	5.861	6.016	5.882	0.1257	2.136

**Internal Standard
Factors:**

Lithium	6	1.149	1.172	1.183	1.149 n/a	n/a
Scandium	45	1.116	1.099	1.092	1.116 n/a	n/a
Rhodium	103	1.454	1.385	1.36	1.454 n/a	n/a
Lutetium	175	1.322	1.203	1.193	1.322 n/a	n/a
Gold	197	1.507	1.406	1.35	1.507 n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 01-19-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #186276

Sample Name:		CCV3			Mean	SD	%RSD
TimeStamp		1/19/10 18:41					
Arsenic	75	24.59	23.88	24.92	24.46	0.5323	2.176
Beryllium	9	24.88	24.54	24.45	24.62	0.2265	0.9198
Chromium	52	24.67	23.52	23.81	24	0.5991	2.496
Chromium	53	24.66	23.01	23.62	23.76	0.834	3.51
Cobalt	59	23.93	23.05	23.69	23.56	0.4547	1.93
Platinum	194	24.33	24.54	24.41	24.43	0.1092	0.4471
Platinum	195	24.2	24.7	24.68	24.52	0.2803	1.143
Platinum	196	24.99	25.47	25.07	25.17	0.2601	1.033
Selenium	77	25.16	24.26	24.97	24.8	0.4754	1.917
Selenium	78	24.1	24.59	23.56	24.09	0.519	2.155
Selenium	82	24.8	23.88	24.81	24.5	0.5358	2.187
Thallium	203	24.43	24.9	24.87	24.73	0.2619	1.059
Thallium	205	24.12	24.42	25.05	24.53	0.4743	1.933
Tungsten	182	24.83	24.26	24.41	24.5	0.297	1.212
Tungsten	183	24.87	24.91	25.03	24.94	0.0822	0.3296
Tungsten	184	25.46	25.2	25.04	25.23	0.2137	0.8471
Uranium	238	23.18	23.16	23.97	23.44	0.461	1.967

Internal Standard

Factors:

Lithium	6	1.038	1.052	1.055	1.038	n/a	n/a
Scandium	45	1.169	1.078	1.111	1.169	n/a	n/a
Rhodium	103	1.143	1.082	1.068	1.143	n/a	n/a
Lutetium	175	1.168	1.06	1.033	1.168	n/a	n/a
Gold	197	1.092	1.023	0.996	1.092	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:	CCB3				Mean	SD	%RSD
TimeStamp	1/19/10 18:50						
Arsenic	75	-0.0245	-0.0117	-0.1164	-0.0509	0.0571	112.2
Beryllium	9	-0.0039	-0.0035	-0.0072	-0.0049	0.002	42
Chromium	52	-0.052	-0.0691	-0.0457	-0.0556	0.0121	21.77
Chromium	53	0.0319	0.0855	0.0705	0.0626	0.0276	44.13
Cobalt	59	0.0004	0.0003	-0.0004	0.0001	0.0005	556.6
Platinum	194	0.0018	0.0001	0.0031	0.0017	0.0015	90.84
Platinum	195	0.0028	0.004	0.0022	0.003	0.001	31.89
Platinum	196	0.0008	0.0049	0	0.0019	0.0026	136
Selenium	77	0.0958	0.3135	0.3955	0.2683	0.1549	57.73
Selenium	78	-0.2674	-0.0931	-0.0868	-0.1491	0.1025	68.72
Selenium	82	-0.0367	0.1734	-0.1337	0.001	0.157	15490
Thallium	203	0.006	0.0047	0.0041	0.005	0.001	19.77
Thallium	205	0.0045	0.0044	0.0046	0.0045	0.0001	2.643
Tungsten	182	0.0809	0.0647	0.0646	0.0701	0.0094	13.38
Tungsten	183	0.0705	0.0687	0.0605	0.0666	0.0053	7.972
Tungsten	184	0.0784	0.0701	0.0683	0.0723	0.0054	7.495
Uranium	238	-0.0049	-0.0058	-0.006	-0.0055	0.0006	10.42

Internal Standard Factors:

Lithium	6	1.041	1.059	1.067	1.041 n/a	n/a
Scandium	45	1.184	1.15	1.16	1.184 n/a	n/a
Rhodium	103	1.272	1.198	1.176	1.272 n/a	n/a
Lutetium	175	1.35	1.212	1.161	1.35 n/a	n/a
Gold	197	1.3	1.17	1.155	1.3 n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 01-19-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #186276

Sample Name:		R0907146-014 1/5			Mean	SD	%RSD
TimeStamp		1/19/10 18:53					
Arsenic	75	5.194	5.038	4.97	5.067	0.1147	2.263
Beryllium	9	0.7462	0.7122	0.7333	0.7305	0.0171	2.346
Chromium	52	12.06	11.94	12.19	12.07	0.1257	1.042
Chromium	53	11.84	11.62	11.65	11.7	0.1178	1.007
Cobalt	59	9.114	9.005	8.986	9.035	0.0693	0.7673
Platinum	194	0.0244	0.0284	0.0229	0.0252	0.0028	11.28
Platinum	195	0.0195	0.0166	0.0149	0.017	0.0023	13.78
Platinum	196	0.0462	0.0406	0.046	0.0443	0.0032	7.135
Selenium	77	4.873	4.803	4.748	4.808	0.0625	1.299
Selenium	78	0.4709	0.7319	0.5633	0.5887	0.1323	22.48
Selenium	82	0.7457	0.9781	0.8804	0.8681	0.1167	13.44
Thallium	203	0.2209	0.2081	0.2113	0.2134	0.0067	3.141
Thallium	205	0.2169	0.2069	0.2082	0.2107	0.0054	2.582
Tungsten	182	2.334	2.431	2.337	2.367	0.0551	2.328
Tungsten	183	2.339	2.37	2.463	2.39	0.0645	2.699
Tungsten	184	2.354	2.416	2.542	2.437	0.0958	3.929
Uranium	238	1.665	1.618	1.666	1.649	0.0275	1.664

**Internal Standard
Factors:**

Lithium	6	1.084	1.095	1.098	1.084	n/a	n/a
Scandium	45	1.054	1.04	1.032	1.054	n/a	n/a
Rhodium	103	1.343	1.283	1.259	1.343	n/a	n/a
Lutetium	175	1.245	1.205	1.153	1.245	n/a	n/a
Gold	197	1.342	1.258	1.254	1.342	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:		R0907146-014 1/5D			Mean	SD	%RSD
TimeStamp		1/19/10 18:57					
Arsenic	75	4.845	5.054	5.067	4.989	0.1246	2.497
Beryllium	9	0.6926	0.6942	0.6919	0.6929	0.0012	0.1717
Chromium	52	11.26	11.58	11.57	11.47	0.1804	1.572
Chromium	53	11.1	11.29	11.62	11.34	0.2633	2.322
Cobalt	59	8.427	8.76	8.862	8.683	0.2272	2.616
Platinum	194	0.0242	0.0191	0.0297	0.0243	0.0053	21.95
Platinum	195	0.0133	0.0144	0.0144	0.0141	0.0006	4.576
Platinum	196	0.0436	0.0443	0.047	0.045	0.0018	4.065
Selenium	77	4.391	4.444	4.409	4.415	0.0273	0.6176
Selenium	78	0.5553	0.4454	0.4711	0.4906	0.0575	11.72
Selenium	82	0.5334	0.7593	1.034	0.7757	0.2509	32.34
Thallium	203	0.2074	0.2094	0.2082	0.2083	0.001	0.463
Thallium	205	0.1978	0.1989	0.2067	0.2011	0.0049	2.429
Tungsten	182	0.7629	0.7542	0.7586	0.7586	0.0043	0.5681
Tungsten	183	0.7588	0.7409	0.7372	0.7456	0.0116	1.552
Tungsten	184	0.7788	0.7677	0.735	0.7605	0.0228	2.992
Uranium	238	1.564	1.59	1.541	1.565	0.0243	1.553

**Internal Standard
Factors:**

Lithium	6	1.09	1.101	1.107	1.09	n/a	n/a
Scandium	45	1.071	1.05	1.078	1.071	n/a	n/a
Rhodium	103	1.339	1.272	1.258	1.339	n/a	n/a
Lutetium	175	1.244	1.136	1.124	1.244	n/a	n/a
Gold	197	1.332	1.245	1.217	1.332	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:		R0907146-014 1/25S			Mean	SD	%RSD
TimeStamp		1/19/10 19:01					
Arsenic	75	40.32	40.77	41.48	40.86	0.5864	1.435
Beryllium	9	4.481	4.492	4.407	4.46	0.0467	1.047
Chromium	52	20.88	20.77	21.04	20.9	0.1341	0.6417
Chromium	53	20.51	20.3	20.86	20.56	0.28	1.362
Cobalt	59	48.39	48.17	49.05	48.54	0.4597	0.9472
Platinum	194	7.16	7.482	7.525	7.389	0.1997	2.702
Platinum	195	7.304	7.271	7.371	7.315	0.0508	0.6949
Platinum	196	7.284	7.196	7.571	7.35	0.1957	2.662
Selenium	77	40.91	43.32	43.59	42.61	1.477	3.467
Selenium	78	41.67	41.78	43.26	42.24	0.8852	2.096
Selenium	82	40.73	42.35	42.82	41.97	1.096	2.611
Thallium	203	38.99	38.64	40.4	39.34	0.9309	2.366
Thallium	205	39.73	39.9	39.77	39.8	0.0912	0.229
Tungsten	182	5.962	6.213	6.193	6.122	0.1397	2.281
Tungsten	183	5.917	6.002	6.148	6.023	0.1168	1.94
Tungsten	184	5.886	6.113	6.41	6.136	0.2629	4.285
Uranium	238	8.526	8.376	8.545	8.482	0.0924	1.09

Internal Standard Factors:

Lithium	6	1.077	1.082	1.081	1.077	n/a	n/a
Scandium	45	1.168	1.127	1.133	1.168	n/a	n/a
Rhodium	103	1.196	1.121	1.107	1.196	n/a	n/a
Lutetium	175	1.129	1.049	1.031	1.129	n/a	n/a
Gold	197	1.051	0.963	0.975	1.051	n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 01-19-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #186276

Sample Name:		R0907146-016 1/5			Mean	SD	%RSD
TimeStamp		1/19/10 19:08					
Arsenic	75	6.34	6.013	6.215	6.189	0.1649	2.664
Beryllium	9	0.924	0.9031	0.9183	0.9151	0.0108	1.181
Chromium	52	11.54	11.69	11.32	11.52	0.1865	1.62
Chromium	53	11.44	11.6	11.5	11.51	0.0808	0.7013
Cobalt	59	10.4	10.46	10.47	10.44	0.0384	0.3675
Platinum	194	0.0319	0.0294	0.0246	0.0286	0.0037	12.89
Platinum	195	0.0194	0.0196	0.0213	0.0201	0.0011	5.391
Platinum	196	0.0456	0.0444	0.0556	0.0485	0.0061	12.61
Selenium	77	6.067	5.732	5.873	5.891	0.168	2.853
Selenium	78	0.0537	0.2034	0.5835	0.2802	0.2731	97.47
Selenium	82	1.134	0.7399	1.072	0.9821	0.212	21.59
Thallium	203	0.2312	0.2315	0.219	0.2272	0.0071	3.139
Thallium	205	0.2211	0.2177	0.2176	0.2188	0.002	0.9191
Tungsten	182	0.7224	0.6906	0.6596	0.6908	0.0314	4.546
Tungsten	183	0.7042	0.6437	0.6902	0.6794	0.0317	4.662
Tungsten	184	0.712	0.7192	0.6836	0.7049	0.0188	2.67
Uranium	238	2.24	2.246	2.169	2.218	0.0428	1.93

Internal Standard

Factors:

Lithium	6	1.08	1.096	1.113	1.08	n/a	n/a
Scandium	45	1.032	1.012	1.006	1.032	n/a	n/a
Rhodium	103	1.386	1.319	1.289	1.386	n/a	n/a
Lutetium	175	1.315	1.203	1.154	1.315	n/a	n/a
Gold	197	1.419	1.306	1.278	1.419	n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 01-19-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #186276

Sample Name:		R0907146-019 1/5			Mean	SD	%RSD
TimeStamp		1/19/10 19:13					
Arsenic	75	4.432	4.401	4.396	4.41	0.0197	0.4476
Beryllium	9	0.7434	0.7266	0.745	0.7383	0.0102	1.383
Chromium	52	60.15	60.5	60.22	60.29	0.1871	0.3104
Chromium	53	52.6	53.19	53.21	53	0.3441	0.6493
Cobalt	59	9.889	9.916	9.754	9.853	0.0865	0.8774
Platinum	194	0.0299	0.0279	0.0298	0.0292	0.0011	3.771
Platinum	195	0.0157	0.0189	0.0113	0.0153	0.0038	25.04
Platinum	196	0.0349	0.0368	0.0404	0.0374	0.0028	7.536
Selenium	77	5.561	5.353	5.678	5.531	0.1648	2.979
Selenium	78	0.2096	0.2682	0.4627	0.3135	0.1325	42.28
Selenium	82	0.9967	0.8466	0.9903	0.9445	0.0849	8.985
Thallium	203	0.1506	0.1385	0.1504	0.1465	0.0069	4.73
Thallium	205	0.1565	0.142	0.1368	0.1451	0.0103	7.062
Tungsten	182	0.39	0.4069	0.3907	0.3959	0.0096	2.417
Tungsten	183	0.3636	0.4172	0.411	0.3972	0.0293	7.385
Tungsten	184	0.3825	0.4108	0.3785	0.3906	0.0176	4.498
Uranium	238	1.473	1.449	1.469	1.464	0.013	0.887

Internal Standard

Factors:

Lithium	6	1.091	1.101	1.107	1.091	n/a	n/a
Scandium	45	1.046	1.02	1.018	1.046	n/a	n/a
Rhodium	103	1.31	1.261	1.239	1.31	n/a	n/a
Lutetium	175	1.165	1.125	1.122	1.165	n/a	n/a
Gold	197	1.317	1.208	1.183	1.317	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:		R0907146-020 1/5			Mean	SD	%RSD
TimeStamp		1/19/10 19:17					
Arsenic	75	4.081	4.014	4.166	4.087	0.0762	1.865
Beryllium	9	0.7139	0.7158	0.698	0.7092	0.0098	1.377
Chromium	52	39.14	40.94	39.83	39.97	0.9109	2.279
Chromium	53	38.6	39.08	39.67	39.12	0.5355	1.369
Cobalt	59	10.61	10.84	10.76	10.74	0.1197	1.115
Platinum	194	0.0208	0.0229	0.0255	0.0231	0.0023	10.13
Platinum	195	0.0156	0.0153	0.0147	0.0152	0.0005	3.077
Platinum	196	0.0401	0.0339	0.0417	0.0386	0.0041	10.68
Selenium	77	5.966	6.041	5.449	5.819	0.3223	5.538
Selenium	78	0.2684	0.6026	0.399	0.4233	0.1685	39.8
Selenium	82	0.8612	1.083	0.7942	0.9128	0.1512	16.56
Thallium	203	0.1482	0.1476	0.149	0.1483	0.0007	0.469
Thallium	205	0.1441	0.1524	0.1432	0.1465	0.0051	3.455
Tungsten	182	0.4509	0.4563	0.4488	0.452	0.0038	0.8509
Tungsten	183	0.4389	0.4781	0.4704	0.4624	0.0208	4.489
Tungsten	184	0.4404	0.4351	0.4597	0.4451	0.0129	2.907
Uranium	238	1.35	1.363	1.447	1.387	0.0528	3.807

Internal Standard Factors:

Lithium	6	1.067	1.091	1.104	1.067	n/a	n/a
Scandium	45	1.029	1.026	1.014	1.029	n/a	n/a
Rhodium	103	1.281	1.236	1.225	1.281	n/a	n/a
Lutetium	175	1.175	1.121	1.132	1.175	n/a	n/a
Gold	197	1.285	1.193	1.194	1.285	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:		R0907146-021 1/5			Mean	SD	%RSD
TimeStamp		1/19/10 19:21					
Arsenic	75	4.261	4.282	3.99	4.178	0.1627	3.894
Beryllium	9	0.7509	0.7539	0.7524	0.7524	0.0015	0.198
Chromium	52	57.2	57.77	57.23	57.4	0.3188	0.5554
Chromium	53	50.78	51.73	49.75	50.75	0.9931	1.957
Cobalt	59	9.534	9.777	9.558	9.623	0.1339	1.391
Platinum	194	0.0188	0.0266	0.0239	0.0231	0.004	17.27
Platinum	195	0.0139	0.0156	0.0171	0.0156	0.0016	10.3
Platinum	196	0.0403	0.0406	0.04	0.0403	0.0003	0.6353
Selenium	77	4.978	5.069	5.381	5.143	0.2109	4.102
Selenium	78	0.3377	0.867	0.2914	0.4987	0.3198	64.13
Selenium	82	0.8585	0.9553	0.8232	0.879	0.0684	7.778
Thallium	203	0.1754	0.1727	0.1917	0.1799	0.0103	5.708
Thallium	205	0.1725	0.1677	0.1665	0.1689	0.0032	1.87
Tungsten	182	0.4372	0.4289	0.4251	0.4304	0.0062	1.441
Tungsten	183	0.4525	0.4473	0.4123	0.4374	0.0219	4.999
Tungsten	184	0.4229	0.4326	0.4474	0.4343	0.0123	2.835
Uranium	238	1.457	1.472	1.427	1.452	0.0227	1.565

**Internal Standard
Factors:**

Lithium	6	1.091	1.114	1.123	1.091 n/a	n/a
Scandium	45	1.046	1.051	1.01	1.046 n/a	n/a
Rhodium	103	1.307	1.261	1.233	1.307 n/a	n/a
Lutetium	175	1.2	1.147	1.129	1.2 n/a	n/a
Gold	197	1.303	1.233	1.195	1.303 n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 01-19-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #186276

Sample Name:		R0907146-022 1/5			Mean	SD	%RSD
TimeStamp		1/19/10 19:25					
Arsenic	75	6.7	6.772	6.917	6.796	0.1106	1.627
Beryllium	9	0.8208	0.8131	0.8248	0.8196	0.0059	0.7258
Chromium	52	181.3	184.3	182.8	182.8	1.477	0.8082
Chromium	53	141.8	149	144.7	145.2	3.603	2.482
Cobalt	59	10.3	10.5	10.6	10.47	0.1547	1.477
Platinum	194	0.0842	0.0909	0.0862	0.0871	0.0035	3.99
Platinum	195	0.0788	0.0756	0.0735	0.076	0.0027	3.541
Platinum	196	0.1004	0.0996	0.1158	0.1053	0.0091	8.654
Selenium	77	6.565	6.189	6.587	6.447	0.2241	3.476
Selenium	78	0.1697	0.183	0.0378	0.1302	0.0803	61.7
Selenium	82	0.8632	1.067	1.453	1.128	0.2994	26.55
Thallium	203	0.1768	0.1591	0.1604	0.1654	0.0099	5.974
Thallium	205	0.1627	0.1553	0.1577	0.1586	0.0038	2.392
Tungsten	182	1.643	1.67	1.674	1.662	0.0171	1.026
Tungsten	183	1.577	1.721	1.681	1.66	0.074	4.457
Tungsten	184	1.646	1.673	1.733	1.684	0.0443	2.628
Uranium	238	1.118	1.075	1.082	1.092	0.0232	2.122

Internal Standard Factors:

Lithium	6	1.1	1.112	1.127	1.1 n/a	n/a
Scandium	45	1.059	1.029	1.035	1.059 n/a	n/a
Rhodium	103	1.269	1.242	1.215	1.269 n/a	n/a
Lutetium	175	1.141	1.102	1.1	1.141 n/a	n/a
Gold	197	1.247	1.177	1.166	1.247 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:		R0907146-023 1/5			Mean	SD	%RSD
TimeStamp		1/19/10 19:29					
Arsenic	75	8.965	9.016	8.919	8.967	0.0482	0.538
Beryllium	9	0.8238	0.806	0.8177	0.8158	0.009	1.107
Chromium	52	183.7	180.2	180.2	181.4	1.979	1.091
Chromium	53	143.5	143.6	145.1	144	0.9068	0.6295
Cobalt	59	11.2	11.23	11.19	11.21	0.0212	0.1894
Platinum	194	0.0804	0.0781	0.0867	0.0817	0.0045	5.456
Platinum	195	0.0744	0.0679	0.057	0.0664	0.0088	13.2
Platinum	196	0.0909	0.0996	0.0945	0.095	0.0044	4.591
Selenium	77	5.877	5.853	5.88	5.87	0.0147	0.2501
Selenium	78	0.2071	-0.0241	0.0448	0.0759	0.1187	156.3
Selenium	82	0.9466	1.16	0.965	1.024	0.1184	11.56
Thallium	203	0.1771	0.1731	0.1747	0.175	0.002	1.148
Thallium	205	0.184	0.1797	0.181	0.1816	0.0022	1.221
Tungsten	182	1.701	1.748	1.785	1.745	0.0424	2.432
Tungsten	183	1.601	1.718	1.698	1.672	0.0628	3.753
Tungsten	184	1.79	1.789	1.714	1.764	0.0437	2.475
Uranium	238	1.117	1.105	1.1	1.107	0.0091	0.8178

**Internal Standard
 Factors:**

Lithium	6	1.096	1.112	1.11	1.096 n/a	n/a
Scandium	45	1.052	1.019	1.009	1.052 n/a	n/a
Rhodium	103	1.291	1.237	1.212	1.291 n/a	n/a
Lutetium	175	1.167	1.117	1.085	1.167 n/a	n/a
Gold	197	1.273	1.176	1.19	1.273 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:		CCV4			Mean	SD	%RSD
TimeStamp		1/19/10 19:34					
Arsenic	75	24.07	24.75	24.36	24.39	0.3381	1.386
Beryllium	9	24.54	24.14	24.17	24.28	0.2196	0.9042
Chromium	52	23.4	24.35	24.41	24.05	0.568	2.361
Chromium	53	23.76	24.2	24.51	24.15	0.3788	1.568
Cobalt	59	23.36	24.17	24.09	23.88	0.4466	1.871
Platinum	194	24.98	25.82	25.41	25.4	0.4204	1.655
Platinum	195	25.17	24.88	25.01	25.02	0.1452	0.5802
Platinum	196	24.74	25.48	25.27	25.16	0.3805	1.512
Selenium	77	24.07	23.5	24.06	23.87	0.327	1.37
Selenium	78	24.04	24.77	23.97	24.26	0.4437	1.829
Selenium	82	23.67	24.75	24.53	24.32	0.5721	2.353
Thallium	203	24.68	25.24	25.23	25.05	0.3185	1.272
Thallium	205	24.93	24.72	25.65	25.1	0.4864	1.938
Tungsten	182	24.39	24.72	25.26	24.79	0.4376	1.765
Tungsten	183	24.62	25.39	25.86	25.29	0.6268	2.478
Tungsten	184	25.7	26.15	25.97	25.94	0.2265	0.873
Uranium	238	25.01	24.05	25.47	24.84	0.7233	2.911

Internal Standard Factors:

Lithium	6	1.076	1.091	1.103	1.076	n/a	n/a
Scandium	45	1.203	1.194	1.2	1.203	n/a	n/a
Rhodium	103	1.16	1.119	1.103	1.16	n/a	n/a
Lutetium	175	1.13	1.065	1.05	1.13	n/a	n/a
Gold	197	1.061	0.996	1	1.061	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:		CCB4			Mean	SD	%RSD
TimeStamp		1/19/10 19:41					
Arsenic	75	-0.0483	-0.0318	-0.0198	-0.0333	0.0143	42.92
Beryllium	9	-0.0091	-0.0077	-0.0085	-0.0084	0.0007	8.596
Chromium	52	-0.1012	-0.0946	-0.1661	-0.1206	0.0395	32.75
Chromium	53	0.085	0.0728	-0.0022	0.0519	0.0472	91.03
Cobalt	59	-0.0015	0.0005	0.0009	0	0.0013	3854
Platinum	194	0.0033	0.0015	0.0007	0.0018	0.0013	71.13
Platinum	195	0.0026	0.0009	0.0034	0.0023	0.0012	53.58
Platinum	196	0.0024	0.0012	0.0052	0.0029	0.002	70.42
Selenium	77	0.2213	0.0236	-0.0803	0.0549	0.1532	279.2
Selenium	78	-0.3727	-0.1837	-0.5479	-0.3681	0.1821	49.48
Selenium	82	0.003	-0.1145	-0.1732	-0.0949	0.0897	94.54
Thallium	203	0.0041	0.003	0.0065	0.0045	0.0018	39.11
Thallium	205	0.0057	0.0043	0.0044	0.0048	0.0008	16.55
Tungsten	182	0.0799	0.0758	0.0588	0.0715	0.0112	15.68
Tungsten	183	0.0619	0.062	0.0441	0.056	0.0103	18.37
Tungsten	184	0.0787	0.0643	0.0534	0.0655	0.0127	19.33
Uranium	238	-0.0064	-0.0054	-0.006	-0.0059	0.0005	8.704

Internal Standard Factors:

Lithium	6	1.068	1.069	1.065	1.068 n/a	n/a
Scandium	45	1.25	1.196	1.17	1.25 n/a	n/a
Rhodium	103	1.305	1.2	1.194	1.305 n/a	n/a
Lutetium	175	1.293	1.181	1.138	1.293 n/a	n/a
Gold	197	1.25	1.139	1.099	1.25 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:		R0907046-007 1/5			Mean	SD	%RSD
TimeStamp		1/19/10 19:45					
Arsenic	75	6.13	6.179	5.985	6.098	0.101	1.656
Beryllium	9	0.3	0.3056	0.2974	0.301	0.0042	1.398
Chromium	52	9.635	9.811	9.524	9.657	0.1448	1.5
Chromium	53	9.68	9.845	9.558	9.694	0.1439	1.484
Cobalt	59	9.194	9.506	9.417	9.372	0.1609	1.717
Platinum	194	0.0254	0.0249	0.0262	0.0255	0.0007	2.689
Platinum	195	0.0201	0.0139	0.0164	0.0168	0.0031	18.51
Platinum	196	0.0385	0.0374	0.0403	0.0388	0.0015	3.827
Selenium	77	2.862	2.985	3.206	3.018	0.1742	5.774
Selenium	78	1.211	1.196	1.517	1.308	0.181	13.84
Selenium	82	1.165	1.344	1.101	1.203	0.1262	10.49
Thallium	203	0.3378	0.3537	0.3361	0.3425	0.0097	2.842
Thallium	205	0.3393	0.3415	0.3247	0.3352	0.0091	2.724
Tungsten	182	1.834	1.944	1.903	1.894	0.0556	2.934
Tungsten	183	1.897	1.906	1.945	1.916	0.0255	1.332
Tungsten	184	1.946	2.024	1.903	1.958	0.0613	3.132
Uranium	238	1.735	1.719	1.739	1.731	0.0102	0.5874

Internal Standard Factors:

Lithium	6	1.162	1.187	1.19	1.162 n/a	n/a
Scandium	45	1.139	1.139	1.124	1.139 n/a	n/a
Rhodium	103	1.508	1.477	1.446	1.508 n/a	n/a
Lutetium	175	1.306	1.205	1.203	1.306 n/a	n/a
Gold	197	1.499	1.46	1.393	1.499 n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:		R0907046-007 1/5D			Mean	SD	%RSD
TimeStamp		1/19/10 19:49					
Arsenic	75	5.532	5.616	5.539	5.563	0.0468	0.8413
Beryllium	9	0.3172	0.3032	0.2911	0.3038	0.0131	4.305
Chromium	52	10.53	10.82	10.85	10.73	0.1793	1.671
Chromium	53	10.48	10.64	10.55	10.55	0.0808	0.7651
Cobalt	59	8.975	9.169	9.265	9.137	0.1477	1.616
Platinum	194	0.0278	0.0255	0.0317	0.0283	0.0032	11.14
Platinum	195	0.0219	0.016	0.0152	0.0177	0.0036	20.51
Platinum	196	0.0401	0.0414	0.0363	0.0393	0.0026	6.734
Selenium	77	2.964	2.672	3.053	2.896	0.1991	6.874
Selenium	78	1.293	1.151	1.44	1.294	0.1447	11.18
Selenium	82	1.136	1.312	0.9516	1.133	0.1804	15.92
Thallium	203	0.3301	0.2926	0.3207	0.3145	0.0195	6.208
Thallium	205	0.3258	0.2967	0.3405	0.321	0.0223	6.949
Tungsten	182	2.287	2.293	2.302	2.294	0.0077	0.3349
Tungsten	183	2.176	2.265	2.339	2.26	0.0812	3.594
Tungsten	184	2.324	2.326	2.328	2.326	0.002	0.084
Uranium	238	1.629	1.665	1.715	1.67	0.0435	2.604

**Internal Standard
Factors:**

Lithium	6	1.183	1.198	1.217	1.183	n/a	n/a
Scandium	45	1.128	1.115	1.106	1.128	n/a	n/a
Rhodium	103	1.578	1.467	1.486	1.578	n/a	n/a
Lutetium	175	1.336	1.271	1.252	1.336	n/a	n/a
Gold	197	1.539	1.441	1.474	1.539	n/a	n/a

Instrument ID: K-ICP-MS-02

Experiment: 01-19-10A

Units: µg/L (ppb)

Method: EPA 6020

Analyst: Greg Jasper

STARLIMS #186276

Sample Name:		R0907046-007 1/25S			Mean	SD	%RSD
TimeStamp		1/19/10 19:53					
Arsenic	75	41.88	42.3	41.81	42	0.2667	0.6352
Beryllium	9	4.085	3.955	3.959	4	0.0739	1.847
Chromium	52	18.15	17.88	17.61	17.88	0.2722	1.523
Chromium	53	17.57	17.47	17.33	17.46	0.1166	0.6678
Cobalt	59	49.53	48.85	47.45	48.61	1.063	2.187
Platinum	194	0.0185	0.0197	0.0181	0.0188	0.0009	4.538
Platinum	195	0.0191	0.0176	0.0168	0.0178	0.0011	6.407
Platinum	196	0.0213	0.0271	0.0215	0.0233	0.0033	14.04
Selenium	77	44.29	42.74	43.25	43.42	0.7899	1.819
Selenium	78	44.1	44.33	43.8	44.08	0.2658	0.603
Selenium	82	43.78	43.56	43.93	43.76	0.1871	0.4276
Thallium	203	39.37	40.84	39	39.73	0.9745	2.453
Thallium	205	39.05	40.89	39.1	39.68	1.047	2.639
Tungsten	182	0.3878	0.3895	0.3942	0.3905	0.0033	0.8497
Tungsten	183	0.3541	0.378	0.4102	0.3808	0.0282	7.396
Tungsten	184	0.3716	0.3821	0.3989	0.3842	0.0137	3.576
Uranium	238	0.3275	0.3499	0.3352	0.3376	0.0114	3.374

Internal Standard

Factors:

Lithium	6	1.053	1.058	1.069	1.053	n/a	n/a
Scandium	45	1.174	1.109	1.087	1.174	n/a	n/a
Rhodium	103	1.218	1.143	1.129	1.218	n/a	n/a
Lutetium	175	1.136	1.079	1.031	1.136	n/a	n/a
Gold	197	1.114	1.049	1.013	1.114	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:		CCV5			Mean	SD	%RSD
TimeStamp		1/19/10 19:58					
Arsenic	75	24.18	24.52	24.05	24.25	0.2419	0.9974
Beryllium	9	23.88	23.98	23.86	23.91	0.0661	0.2764
Chromium	52	23.52	24.39	23.89	23.93	0.4384	1.832
Chromium	53	23.76	23.98	24.06	23.93	0.1514	0.6327
Cobalt	59	23	24.09	23.67	23.59	0.5487	2.326
Platinum	194	25.23	24.81	24.91	24.98	0.2184	0.8744
Platinum	195	24.49	23.94	24.28	24.23	0.2764	1.14
Platinum	196	24.78	24.74	24.21	24.57	0.3187	1.297
Selenium	77	24.05	25.35	25.49	24.96	0.7936	3.179
Selenium	78	24.47	25.33	24.29	24.7	0.5539	2.243
Selenium	82	24.23	24.27	24.36	24.29	0.0654	0.2691
Thallium	203	25.14	24.46	24.73	24.77	0.344	1.388
Thallium	205	24.83	24.48	24.63	24.65	0.177	0.7182
Tungsten	182	24.04	25.29	24.79	24.71	0.6264	2.535
Tungsten	183	23.83	24.66	25.38	24.62	0.7709	3.131
Tungsten	184	24.68	25.69	25.33	25.24	0.5128	2.032
Uranium	238	25.12	24.17	24.76	24.68	0.4797	1.944

Internal Standard Factors:

Lithium	6	1.021	1.038	1.041	1.021	n/a	n/a
Scandium	45	1.125	1.11	1.109	1.125	n/a	n/a
Rhodium	103	1.117	1.055	1.039	1.117	n/a	n/a
Lutetium	175	1.077	1.043	0.998	1.077	n/a	n/a
Gold	197	1.048	0.948	0.935	1.048	n/a	n/a

Instrument ID: K-ICP-MS-02
 Experiment: 01-19-10A
 Units: µg/L (ppb)

Method: EPA 6020
 Analyst: Greg Jasper
 STARLIMS #186276

Sample Name:		CCB5			Mean	SD	%RSD
TimeStamp		1/19/10 20:06					
Arsenic	75	-0.1034	-0.0873	-0.0436	-0.0781	0.031	39.65
Beryllium	9	-0.0056	-0.0065	-0.0061	-0.0061	0.0005	7.954
Chromium	52	0.0188	-0.0688	-0.0029	-0.0176	0.0456	259.2
Chromium	53	0.1347	0.0627	0.1716	0.123	0.0554	45.06
Cobalt	59	0.0013	0.0003	0.0007	0.0008	0.0005	62.06
Platinum	194	0.0025	0.0034	0.0027	0.0029	0.0005	16.86
Platinum	195	0.0037	0.0031	0.0019	0.0029	0.0009	31.89
Platinum	196	0.004	0.0037	0.0021	0.0033	0.001	31.16
Selenium	77	0.2969	0.3164	0.1652	0.2595	0.0823	31.71
Selenium	78	0.1878	-0.0972	0.4005	0.1637	0.2498	152.6
Selenium	82	-0.1496	-0.0394	-0.0785	-0.0892	0.0559	62.67
Thallium	203	0.0053	0.0029	0.0042	0.0042	0.0012	28.88
Thallium	205	0.0064	0.0042	0.0064	0.0057	0.0013	22.96
Tungsten	182	0.077	0.0646	0.0565	0.066	0.0103	15.59
Tungsten	183	0.0472	0.0615	0.0599	0.0562	0.0078	13.9
Tungsten	184	0.0715	0.0634	0.0595	0.0648	0.0061	9.421
Uranium	238	-0.0051	-0.0058	-0.0066	-0.0058	0.0007	12.6

**Internal Standard
Factors:**

Lithium	6	1.016	1.029	1.039	1.016	n/a	n/a
Scandium	45	1.192	1.129	1.158	1.192	n/a	n/a
Rhodium	103	1.239	1.164	1.15	1.239	n/a	n/a
Lutetium	175	1.254	1.135	1.11	1.254	n/a	n/a
Gold	197	1.227	1.112	1.088	1.227	n/a	n/a