

July 15, 2016

Mr. Michael J. Mikulka
Senior Environmental Engineer
Land & Chemicals Division
US Environmental Protection Agency
77 West Jackson Blvd
Chicago, IL 60604-3590

Subject: Quarterly Progress Report (April through June 2016)
Administrative Order on Consent (February 26, 2009)
Tyco Fire Products LP
Stanton Street Facility
Marinette, Wisconsin
WID 006 125 215

Dear Mr. Mikulka:

Section VI, 21, b (Page 10) of the Administrative Order on Consent (AOC), dated February 26, 2009, requires Tyco Fire Products LP (Tyco) to submit quarterly progress reports to the U.S. Environmental Protection Agency (USEPA) Region 5 and the Wisconsin Department of Natural Resources (WDNR). The reports are required to document activities conducted as part of the Resource Conservation and Recovery Act (RCRA) Corrective Actions at the Tyco facility in Marinette, Wisconsin. The enclosed report covers the period from April 1, 2016 through June 30, 2016, and presents a brief description of the work completed to date, data collected, problems encountered, and schedule of activities as required by the February 2009 AOC.

Work Completed During this Reporting Period

Operation of the groundwater collection and treatment system (GWCTS) continued through the second quarter of 2016. A summary of the operational data is included as Attachment 1. The Discharge Monitoring Reports (DMRs) are included in Attachment 2.

The barrier wall groundwater monitoring (BWGM) sampling event was completed the week of May 2, 2016. Sample results are included Attachment 3.

Visual inspection of the Vertical Barrier Wall was completed on June 3, 2016 and the report is included in Attachment 4 of this report. Figure 1 shows the locations of the findings identified during this inspection.

Visual inspection of the on-site cover areas referenced in the 2009 AOC was completed on May 19, 2016. The findings are included in Attachment 5 of this report. Figure 2 shows the locations of the findings identified during this inspection.

The survey of the Vertical Barrier Wall was completed in the month of April. Results of this survey are under review and will be included in the 2016 annual BWGM report.

The first Phyto Plot Inspection was completed by Sand Creek Consultants on June 8, 2016. A write up of all work performed for the 2016 year will be given in the Phyto Plot End of Year Report submitted in the January 15, 2017 quarterly report.

Additional Activities

The extraction and management of impacted groundwater in the 8th Street slip and former Salt Vault areas of the site as part of the agreed upon pump down program began operations on June 23, 2016. Extraction is expected to continue until the target groundwater elevations in these areas are achieved. Through July 8, 2016, approximately 242,951 gallons had been extracted as part of this project.

Tyco has requisitioned the assistance of engineering consultant AECOM to assist with a site assessment to evaluate the advantages and disadvantages of potential changes to surface water flow and the practicality of abandoning and/or sealing storm sewer lines. Tyco and AECOM have been working on this assessment throughout the second quarter.

USEPA and WDNR conducted a site visit on June 27 and 28, 2016. The agencies inspected the operation of the pump down program, were provided a tour of the site, and were presented an overview of historical and on-going site activities related to the RCRA project.

Data Collected

Extraction and treatment volumes, analytical testing, and discharge quantity data are required as part of the Wisconsin Pollutant Discharge and Elimination System (WPDES) permits obtained from WDNR for operation of the GWCTS. The GWCTS operates under permit WPDES WI-0001040-07-0. Attachment 2 includes the monthly WPDES DMRs for March 2016 through May 2016 for the GWCTS. Additional data on the operation of the GWCTS is included in Attachment 1.

Groundwater elevation and samples were collected as part of the semi-annual barrier wall groundwater monitoring event. The analytical results are included in Attachment 3. Groundwater elevation data will be provided in the annual report.

In addition, groundwater level data recorded by installed transducers was downloaded on June 30 and July 1, 2016 and are being evaluated. The site-wide data will be provided in the annual report. Graphs of transducer data for the wells in the former Salt Vault and 8th Street Slip are included in Attachment 6.

Problems Encountered

There were no new problems to report during this quarter of operation.

Schedule of Upcoming Activities

The following is a summary of activities to be conducted during the next reporting period.

- Submit the quarterly progress report.

- Complete the second inspection of the phyto plots (to be completed by Tyco personnel) to assess tree health (early in the third quarter).
- Complete third inspection of the phyto plots (to be completed by arborist) to assess tree health (late third quarter to early 4th quarter).
- Address inspection findings for the Vertical Barrier Wall, Cover Areas, and Monitoring Wells.
- Continue operation of pump down program in the former Salt Vault and 8th Street Slip.
- Respond to USEPA comments regarding the findings of the Outfall Investigation.

List of Key Correspondence and Document Submittals

Table 1

Documents Submitted

Quarterly Progress Report (April to June 2016), Tyco Fire Products LP Facility, Marinette, Wisconsin

Description of Submittal	Submitted To	Date Submitted
Response to WDNR Questions Regarding Proposed Dye Testing	WDNR	April 15, 2016
Quarterly Progress Report	USEPA	April 15, 2016
Extension Request – Response to Comments to EPA Review of Tyco Outfall Investigation Report	USEPA	April 18, 2016
2015 Barrier Wall Groundwater Monitoring Annual Report	USEPA	June 22, 2016
Well Installation, Abandonment and Repair Field Activities, November 2 to December 2, 2015	USEPA	June 28, 2016
Tyco Pump Down Program Work Plan and HSERP	USEPA	June 10, 2016
High Capacity Well Application	WDNR	May 23, 2016
Email Response to EPA Comments on Tyco Contractor Work Plan Pump Down Program	USEPA	June 16, 2016
Commencement - Tyco Site - email	USEPA	June 8, 2016

Table 2

Correspondence from Agency


Quarterly Progress Report (April through June 2016) Tyco Fire Products LP Facility, Marinette, Wisconsin

Description of Correspondence	Received From	Date Received
Tyco Extension Request – Response to Comments to EPA Review of Tyco Outfall Investigation Report, dated May 3, 2016	USEPA	May 4, 2016
Comments submitted via email on CH2M's March 2016 submittal titled <i>Contract Documents - Subsurface Injection of Tracer Dye Scope of Work</i> (Contractor Document) and CH2M's April 15, 2016 email containing <i>Technical Memorandum, Response to WDNR Questions Regarding Proposed Dye Testing.</i>	WDNR	June 6, 2016
EPA Comments on Tyco Contractor Work Plan – email	USEPA	June 16, 2016
Scopes of work for Pump Down Program and Dye Test Work - email	USEPA	April 8, 2016
Scopes of work for Pump Down Program and Dye Test Work - email	WDNR	May 6, 2016

Please contact me at 715-587-6670 if you have any questions or require additional information.

Respectfully Yours,

Tyco Fire Products LP



Ryan Suennen

Environmental Field Projects

Attachments

- 1 GWCTS Operation
- 2 Monthly Discharge Monitoring Reports
- 3 Visual Inspection of the Vertical Barrier Wall
- 4 Visual Inspection of the On-site Cover Areas

c: Kristin DuFresne, WDNR
Jim Killian, WDNR
Joe Janeczek, Tyco International
Scott Stacy, Tyco Fire Products LP
Larry Wilson, SimplexGrinnell, A Tyco International Company
Jeff Danko, CH2M HILL
Mariel Carter, Stephenson Public Library

Document Control No.: 662118.237T

Attachment 1
GWCTS Operation Summary

MEMORANDUM

Groundwater Collection and Treatment System Operation

SUBJECT: Groundwater Collection and Treatment System Operation for Tyco
Fire Products LP, Marinette, Wisconsin

DATE: July 14, 2016

Operation of the groundwater collection and treatment system (GWCTS) occurring from April 1, 2016 through June 30, 2016 is summarized below:

- The GWCTS operated for 27 days in April, 26 days in May, and 28 days in June, for a total of 81 days. The plant did not operate during the Memorial Day Holiday.
- Approximately 244,120 gallons of reject water was produced during system operations and subsequently disposed of offsite.
- The precipitation recorded from the weather station in Marinette, Wisconsin was 10.87 inches. (<http://www.ncdc.noaa.gov/cdo-web/datasets/GHCND/stations/GHCND:USC00475091/detail>).
- An estimated total of 1,071,396 gallons was discharged to the Menominee River as effluent under WPDES permit.
- An estimated total of 1,532,351 gallons of groundwater were extracted (not including volumes extracted as part of the pump down program) from the site during the reporting period. Details of water volumes extracted from each area of the site and changes in water levels are shown in the Table 1 below.

Table 1 - Extraction Well Data Summary

Extraction Well	Gallons Run Q2 2015 (4/01/2015-6/30/2015)	Gallons Run Q22016 (4/01/2014-6/30/2014)
EW-1	213,594	231,831
EW-2	40,475	48,249
EW-3	25,570	0
EW-4	28,795	23,286
EW-5	182,454	68,758
EW-6	513,662	683,732
EW-7	527,801	90,549
Total	1,532,351	1,146,405

Attachment 2
Discharge Monitoring Reports
(DMRs) for the GWCTS

Validation - Success - 09:22:05

No errors found. Warning messages do not prevent successful validation or submittal of form

Print

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Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: TYCO FIRE PROTECTION PRODUCTS LP
 Contact Address: One Stanton Street
 Marinette, WI 54143
 Facility Contact: Judith Rost, Sr Lab Tech
 Phone Number: (715) 735-7411
 Reporting Period: 03/01/2016 - 03/31/2016
 Form Due Date: 04/21/2016
 Permit Number: 0001040

Date Received:
 DOC: 357081
 FIN: 7245
 FID: 438039470
 Region: Northeast Region
 Permit Drafter: Jeff W. Brauer
 Reviewer: Bruce S. Oman
 Office: Peshtigo

	Sample Point	001	703	001	001	001
	Description	PRIOR TO MENOMINEE RIVER	Intake Water Monitoring	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER
	Parameter	211	280	487	374	373
	Description	Flow Rate	Mercury, Total Recoverable	Temperature	pH (Minimum)	pH (Maximum)
	Units	MGD	ng/L	degF	su	su
	Sample Type	CONTINUOUS	GRAB	GRAB	CONTINUOUS	CONTINUOUS
	Frequency	DAILY	MONTHLY	MONTHLY	DAILY	DAILY
Sample Results	Day 1	0.07321		52	7.3	7.6
	2	0.17403		51	7.3	7.5
	3	0.14516		54	7.4	7.6
	4	0.00427		52	7.5	7.7
	5	0.01733		48	7.5	7.7
	6	0.06299		48	7.3	7.5
	7	0.19644		56	7.3	7.4
	8	0.21562		53	7.3	7.4
	9	0.18824		58	7.2	7.3
	10	0.16552		55	7.2	7.4
	11	0.00525		52	7.3	7.4
	12	0.00161		53	7.4	7.4
	13	0.07091		48	7.2	7.5
	14	0.21922		53	7.1	7.4
	15	0.30039		59	7.1	7.6
	16	0.24322		54	7.2	7.4
	17	0.16984		56	7.1	7.3
	18	0.00477		52	7.3	7.6
	19	0.00288		50	7.4	7.5
	20	0.02449		50	7.2	7.5
	21	0.18956		58	7.0	7.2
	22	0.20320		62	7.1	7.8
	23	0.20289		56	7.2	7.3
	24	0.15440		55	7.2	7.3
	25	0.05023		54	7.2	7.4
	26	0.08733		52	7.2	7.4
	27	0.09161		50	7.2	7.4
	28	0.21368	6.1	57	7.0	7.2
	29	0.21126		58	7.0	7.3
	30	0.34832		53	7.0	7.1
	31	0.25188		55	7.0	7.2

	Sample Point	001	703	001	001	001
	Description	PRIOR TO MENOMINEE RIVER	Intake Water Monitoring	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER
	Parameter	211	280	487	374	373
	Description	Flow Rate	Mercury, Total Recoverable	Temperature	pH (Minimum)	pH (Maximum)
	Units	MGD	ng/L	degF	su	su
Summary Values	Monthly Avg	0.138379032	6.1	53.677419355	7.216129032	7.429032258
	Monthly Total					
	Daily Max	0.34832	6.1	62	7.5	7.8
	Daily Min	0.00161	6.1	48	7	7.1
	Rolling 12 Month Avg					
Limit(s) in Effect	Monthly Avg					
	Monthly Total					
	Daily Max					11 0
	Daily Min				4 0	
	Rolling 12 Month Avg					
QA/QC Information	LOD		0.2			
	LOQ		0.5			
	QC Exceedance	N	N	N	N	N
	Lab Certification		721026460			

	Sample Point	001	001	001	001	001
	Description	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER
	Parameter	379	376	388	231	35
	Description	pH Total Exceedance Time Minutes	pH Exceedances Greater Than 60 Minutes	Phosphorus, Total	Hardness, Total as CaCO3	Arsenic, Total Recoverable
	Units	minutes	Number	mg/L	mg/L	ug/L
	Sample Type	CONTINUOUS	CONTINUOUS	24 HR COMP	24 HR COMP	24 HR COMP
	Frequency	DAILY	DAILY	WEEKLY	MONTHLY	MONTHLY
Sample Results	Day 1					
	2					
	3			0.041	200.04	77.4
	4					
	5					
	6					
	7					
	8					
	9			0.356		140.2
	10					
	11					
	12					
	13					
	14					
	15			0.015		136.9
	16					
	17					
	18					
	19					
	20					
	21					
	22			0.288		147.8
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

Sample Point	001	001	001	001	001	
Description	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	
Parameter	379	376	388	231	35	
Description	pH Total Exceedance Time Minutes	pH Exceedances Greater Than 60 Minutes	Phosphorus, Total	Hardness, Total as CaCO3	Arsenic, Total Recoverable	
Units	minutes	Number	mg/L	mg/L	ug/L	
Summary Values	Monthly Avg			0.175	200.04	125.575
	Monthly Total					
	Daily Max			0.356	200.04	147.8
	Daily Min			0.015	200.04	77.4
	Rolling 12 Month Avg			0.3		
Limit(s) in Effect	Monthly Avg					
	Monthly Total	446	0			
	Daily Max		0	0		680
	Daily Min					
	Rolling 12 Month Avg			1	0	
QA/QC Information	LOD			0.008		5.4
	LOQ			0.027		18
	QC Exceedance	N	N	N	N	N
	Lab Certification			438039470	438039470	438039470

Sample Point	001	001	001	001	001	
Description	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	
Parameter	35	147	147	87	152	
Description	Arsenic, Total Recoverable	Copper, Total Recoverable	Copper, Total Recoverable	Cadmium, Total Recoverable	Cyanide, Amenable	
Units	lbs/day	ug/L	lbs/day	ug/L	ug/L	
Sample Type	CALCULATED	24 HR COMP	24 HR COMP	24 HR COMP	24 HR COMP	
Frequency	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY	
Sample Results	Day 1					
	2					
	3	0.0937	<12.2	<0.0148	1.3	
	4					
	5					
	6					
	7					
	8					
	9	0.2201	<12.2	<0.0192	0.5	
	10					
	11					
	12					
	13					
	14					
	15	0.3423	<11.4	<0.0285	<0.2	
	16					<5.0
	17					
	18					
	19					
	20					
	21					
	22	0.2498	<11.4	<0.0193	<0.2	
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001		001		001		001		001	
	Description	PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER	
	Parameter	35		147		147		87		152	
	Description	Arsenic, Total Recoverable		Copper, Total Recoverable		Copper, Total Recoverable		Cadmium, Total Recoverable		Cyanide, Amenable	
	Units	lbs/day		ug/L		lbs/day		ug/L		ug/L	
Summary Values	Monthly Avg	0.226475		0		0		0.45		0	
	Monthly Total										
	Daily Max	0.3423		<12.2		<0.0285		1.3		<5	
	Daily Min	0.0937		<11.4		<0.0148		<0.2		<5	
	Rolling 12 Month Avg										
Limit(s) in Effect	Monthly Avg										
	Monthly Total										
	Daily Max	12	0	69	0	0.98	0				
	Daily Min										
	Rolling 12 Month Avg										
QA/QC Information	LOD			12.2				0.2		5	
	LOQ			40.7				0.7		15	
	QC Exceedance	N		N		N		N		N	
	Lab Certification			438039470				438039470		721026460	

	Sample Point	001	001	101	101	101	
	Description	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	
	Parameter	112	280	211	457	342	
	Description	Chlorine, Total Residual	Mercury, Total Recoverable	Flow Rate	Suspended Solids, Total	Oil & Grease (Freon)	
	Units	ug/L	ng/L	MGD	mg/L	mg/L	
	Sample Type	GRAB	GRAB	CONTINUOUS	24 HR COMP	GRAB	
	Frequency	MONTHLY	MONTHLY	DAILY	DAILY	2/WEEK	
Sample Results	Day 1			0.02508	7.0		
	2			0.02730	6.3	<0.99	
	3			0.02428	7.3	<0.99	
	4						
	5						
	6						
	7			0.02685	9.0		
	8			0.02572	6.7	<0.99	
	9			0.02935	2.8	<0.99	
	10			0.03276	2.5		
	11						
	12						
	13						
	14			0.02445	9.4		
	15			0.03567	4.2	<0.99	
	16			0.02912	3.2	<0.99	
	17			0.02616	4.7		
	18			0.00162	22.7		
	19						
	20						
	21		30.0		0.02043	53.7	
	22				0.02948	14.6	<0.99
	23				0.02893	7.8	<0.99
	24				0.02058	9.2	
	25				0.00508	25.0	
	26						
	27						
	28			1.4	0.03063	21.0	
	29				0.03059	6.7	
	30				0.02615	3.7	
	31				0.03321	3.7	

Sample Point	001	001	101	101	101			
Description	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent			
Parameter	112	280	211	457	342			
Description	Chlorine, Total Residual	Mercury, Total Recoverable	Flow Rate	Suspended Solids, Total	Oil & Grease (Freon)			
Units	ug/L	ng/L	MGD	mg/L	mg/L			
Summary Values	Monthly Avg	30	1.4	0.025401905	11.00952381	0		
	Monthly Total							
	Daily Max	30	1.4	0.03567	53.7	<0.99		
	Daily Min	30	1.4	0.00162	2.5	<0.99		
	Rolling 12 Month Avg							
Limit(s) in Effect	Monthly Avg				31	0	26	0
	Monthly Total							
	Daily Max				60	0	52	0
	Daily Min							
	Rolling 12 Month Avg							
QA/QC Information	LOD	30	0.2				0.99	
	LOQ	100	0.5				3.1	
	QC Exceedance	N	N	N	N	N	N	
	Lab Certification		721026460		438039470	721026460		

Sample Point	101	101	101	101	101	
Description	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	
Parameter	87	133	315	553	155	
Description	Cadmium, Total Recoverable	Chromium, Total Recoverable	Nickel, Total Recoverable	Zinc, Total Recoverable	Cyanide, Total	
Units	ug/L	ug/L	ug/L	ug/L	ug/L	
Sample Type	24 HR COMP	24 HR COMP	24 HR COMP	24 HR COMP	GRAB	
Frequency	2WEEK	MONTHLY	2WEEK	2WEEK	MONTHLY	
Sample Results	Day 1	1.4		<34.1	74.1	
	2	0.5		<34.1	54.4	
	3					
	4					
	5					
	6					
	7					
	8	0.3		<34.1	82.8	
	9	0.5		<34.1	52.1	
	10					
	11					
	12					
	13					
	14					
	15	<0.2		<53.0	68.2	
	16	<0.2		<53.0	39.9	<5.0
	17					
	18					
	19					
	20					
	21					
	22	<0.2		<53.0	109.4	
	23	<0.2	<1.1	<53.0	96.6	
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	101		101		101		101		101	
	Description	Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent	
	Parameter	87		133		315		553		155	
	Description	Cadmium, Total Recoverable		Chromium, Total Recoverable		Nickel, Total Recoverable		Zinc, Total Recoverable		Cyanide, Total	
	Units	ug/L		ug/L		ug/L		ug/L		ug/L	
Summary Values	Monthly Avg	0.3375		0		0		72.1875		0	
	Monthly Total										
	Daily Max	1.4		<1.1		<53		109.4		<5	
	Daily Min	<0.2		<1.1		<34.1		39.9		<5	
	Rolling 12 Month Avg										
Limit(s) in Effect	Monthly Avg	260	0	1710	0	2380	0	1480	0	650	0
	Monthly Total										
	Daily Max	690	0	2770	0	3980	0	2610	0	1200	0
	Daily Min										
	Rolling 12 Month Avg										
QA/QC Information	LOD	0.2		1.1		34.1		5.2		5	
	LOQ	0.7		3.7		113.7		17.3		15	
	QC Exceedance	N		N		N		N		N	
	Lab Certification	438039470		438039470		438039470		438039470		721026460	

	Sample Point	101	101	101	101	101
	Description	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent
	Parameter	147	264	430	374	373
	Description	Copper, Total Recoverable	Lead, Total Recoverable	Silver, Total Recoverable	pH (Minimum)	pH (Maximum)
	Units	ug/L	ug/L	ug/L	su	su
	Sample Type	24 HR COMP	24 HR COMP	24 HR COMP	CONTINUOUS	CONTINUOUS
	Frequency	2WEEK	MONTHLY	MONTHLY	DAILY	DAILY
Sample Results	Day 1	<12.2			6.4	6.8
	2	<12.2			6.2	6.8
	3				6.1	6.8
	4					
	5					
	6					
	7				6.8	7.4
	8	<12.2			6.6	7.8
	9	<12.2			6.3	6.9
	10				6.4	7.0
	11					
	12					
	13					
	14				7.1	7.6
	15	<11.4			6.1	6.9
	16	<11.4			6.0	6.8
	17				6.6	7.4
	18				6.4	7.0
	19					
	20					
	21				6.6	7.9
	22	14.6			6.1	6.8
	23	<11.4	8.9	<1.9	6.1	6.6
	24				6.2	6.8
	25				6.2	6.9
	26					
	27					
	28				6.0	7.3
	29				6.6	7.4
	30				6.6	7.4
	31				6.6	6.8

	Sample Point	101		101		101		101		101	
	Description	Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent	
	Parameter	147		264		430		374		373	
	Description	Copper, Total Recoverable		Lead, Total Recoverable		Silver, Total Recoverable		pH (Minimum)		pH (Maximum)	
	Units	ug/L		ug/L		ug/L		su		su	
Summary Values	Monthly Avg	1.825		8.9		0		6.380952381		7.1	
	Monthly Total										
	Daily Max	14.6		8.9		<1.9		7.1		7.9	
	Daily Min	<11.4		8.9		<1.9		6		6.6	
	Rolling 12 Month Avg										
Limit(s) in Effect	Monthly Avg	2070	0	430	0	240	0				
	Monthly Total										
	Daily Max	3380	0	690	0	430	0			11	0
	Daily Min							4	0		
	Rolling 12 Month Avg										
QA/QC Information	LOD	12.2		4.2		1.9					
	LOQ	40.7		14		6.3					
	QC Exceedance	N		N		N		N		N	
	Lab Certification	438039470		438039470		438039470					

Sample Point	101	101	101	101	101
Description	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent
Parameter	379	376	507	40	490
Description	pH Total Exceedance Time Minutes	pH Exceedances Greater Than 60 Minutes	Total Toxic Organics	Benzene	Tetrachloroethylene
Units	minutes	Number	ug/L	ug/L	ug/L
Sample Type	CALCULATED	CALCULATED	24 HR COMP	24 HR COMP	24 HR COMP
Frequency	DAILY	DAILY	MONTHLY	MONTHLY	MONTHLY
Sample Results	Day 1				
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				
	19				
	20				
	21				
	22				
	23				
	24				
	25				
	26				
	27				
	28				
	29				
	30				
	31				

	Sample Point	101		101		101		101		101	
	Description	Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent	
	Parameter	379		376		507		40		490	
	Description	pH Total Exceedance Time Minutes		pH Exceedances Greater Than 60 Minutes		Total Toxic Organics		Benzene		Tetrachloroethylene	
	Units	minutes		Number		ug/L		ug/L		ug/L	
Summary Values	Monthly Avg										
	Monthly Total										
	Daily Max										
	Daily Min										
	Rolling 12 Month Avg										
Limit(s) in Effect	Monthly Avg										
	Monthly Total	446	0	0	0						
	Daily Max					2130					
	Daily Min										
	Rolling 12 Month Avg										
QA/QC Information	LOD										
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification										

	Sample Point	101	101	101	101	101
	Description	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent
	Parameter	500	561	200	508	285
	Description	Toluene	1,1,1-Trichloro- ethane	Ethylbenzene	Trichloro- ethylene	Methylene chloride
	Units	ug/L	ug/L	ug/L	ug/L	ug/L
	Sample Type	24 HR COMP	24 HR COMP	24 HR COMP	24 HR COMP	24 HR COMP
	Frequency	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	101	101	101	101	101
	Description	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent
	Parameter	500	561	200	508	285
	Description	Toluene	1,1,1-Trichloro-ethane	Ethylbenzene	Trichloro-ethylene	Methylene chloride
	Units	ug/L	ug/L	ug/L	ug/L	ug/L
Summary Values	Monthly Avg					
	Monthly Total					
	Daily Max					
	Daily Min					
	Rolling 12 Month Avg					
Limit(s) in Effect	Monthly Avg					
	Monthly Total					
	Daily Max					
	Daily Min					
	Rolling 12 Month Avg					
QA/QC Information	LOD					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

Sample Point	101	106	106	106	107	
Description	Metal Finishing Effluent	Future remedial action ww	Future remedial action ww	Future remedial action ww	Mercury Field Blank Results	
Parameter	167	211	35	457	280	
Description	Di-n-butyl phthalate (dibutyl phthalate)	Flow Rate	Arsenic, Total Recoverable	Suspended Solids, Total	Mercury, Total Recoverable	
Units	ug/L	gpd	ug/L	mg/L	ng/L	
Sample Type	24 HR COMP	CONTINUOUS	24 HR COMP	24 HR COMP	GRAB	
Frequency	MONTHLY	DAILY	WEEKLY	WEEKLY	MONTHLY	
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					<0.2
	29					
	30					
	31					

	Sample Point	101	106	106	106	107
	Description	Metal Finishing Effluent	Future remedial action ww	Future remedial action ww	Future remedial action ww	Mercury Field Blank Results
	Parameter	167	211	35	457	280
	Description	Di-n-butyl phthalate (dibutyl phthalate)	Flow Rate	Arsenic, Total Recoverable	Suspended Solids, Total	Mercury, Total Recoverable
	Units	ug/L	gpd	ug/L	mg/L	ng/L
Summary Values	Monthly Avg					0
	Monthly Total					
	Daily Max					<0.2
	Daily Min					<0.2
	Rolling 12 Month Avg					
Limit(s) in Effect	Monthly Avg					
	Monthly Total					
	Daily Max					
	Daily Min					
	Rolling 12 Month Avg					
QA/QC Information	LOD					0.2
	LOQ					0.5
	QC Exceedance	N	N	N	N	N
	Lab Certification					721026460

	Sample Point	003	003	003	003	003
	Description	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg
	Parameter	211	457	35	374	373
	Description	Flow Rate	Suspended Solids, Total	Arsenic, Total Recoverable	pH (Minimum)	pH (Maximum)
	Units	MGD	mg/L	ug/L	su	su
	Sample Type	CONTINUOUS	24 HR COMP	24 HR COMP	CONTINUOUS	CONTINUOUS
	Frequency	DAILY	WEEKLY	WEEKLY	DAILY	DAILY
Sample Results	Day 1	0.011544			6.0	8.8
	2	0.017371			6.1	6.3
	3	0.011619			6.2	6.5
	4	0.029799	<1.0	64.4	6.3	8.4
	5	0.022318			6.1	8.5
	6	0.002670			7.9	8.3
	7	0.020844			6.3	8.2
	8	0.013663			7.2	8.9
	9	0.021828			8.1	8.5
	10	0.002338	<1.0	58.8	8.6	8.8
	11	0.021085			6.6	9.0
	12	0.007515			6.6	6.8
	13	0.009711			7.8	8.9
	14	0.009675			8.6	8.6
	15					
	16	0.019231	<1.0	101.1	6.0	8.9
	17	0.022983			6.0	8.6
	18	0.018563			7.5	8.1
	19					
	20	0.021054			7.0	8.9
	21	0.022153			6.1	8.9
	22	0.018543			6.2	6.7
	23	0.010255			6.0	6.7
	24	0.012777	<1.0	43.7	6.1	6.7
	25	0.004775			6.5	6.8
	26					
	27					
	28	0.011509	<1.0	25.6	6.8	8.9
	29	0.017074			6.7	7.8
	30	0.010794			6.7	7.8
	31	0.015655			7.0	8.8

	Sample Point	003	003	003	003	003	
	Description	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg	
	Parameter	211	457	35	374	373	
	Description	Flow Rate	Suspended Solids, Total	Arsenic, Total Recoverable	pH (Minimum)	pH (Maximum)	
	Units	MGD	mg/L	ug/L	su	su	
Summary Values	Monthly Avg	0.015086889	0	58.72	6.777777778	8.077777778	
	Monthly Total						
	Daily Max	0.029799	<1	101.1	8.6	9	
	Daily Min	0.002338	<1	25.6	6	6.3	
	Rolling 12 Month Avg						
Limit(s) in Effect	Monthly Avg						
	Monthly Total						
	Daily Max			680	0	11	0
	Daily Min				4	0	
	Rolling 12 Month Avg						
QA/QC Information	LOD			5.4			
	LOQ			18			
	QC Exceedance	N	N	N	N	N	
	Lab Certification		438039470	438039470			

	Sample Point	003	003
	Description	Future remedial action dischg	Future remedial action dischg
	Parameter	379	376
	Description	pH Total Exceedance Time Minutes	pH Exceedances Greater Than 60 Minutes
	Units	minutes	Number
	Sample Type	CONTINUOUS	CONTINUOUS
	Frequency	DAILY	DAILY
Sample Results	Day 1		
	2		
	3		
	4		
	5		
	6		
	7		
	8		
	9		
	10		
	11		
	12		
	13		
	14		
	15		
	16		
	17		
	18		
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	21		
	22		
	23		
	24		
	25		
	26		
	27		
	28		
	29		
	30		
	31		

	Sample Point	003		003	
	Description	Future remedial action dischg		Future remedial action dischg	
	Parameter	379		376	
	Description	pH Total Exceedance Time Minutes		pH Exceedances Greater Than 60 Minutes	
	Units	minutes		Number	
Summary Values	Monthly Avg				
	Monthly Total				
	Daily Max				
	Daily Min				
	Rolling 12 Month Avg				
Limit(s) in Effect	Monthly Avg				
	Monthly Total	446	0		
	Daily Max			0	0
	Daily Min				
	Rolling 12 Month Avg				
QA/QC Information	LOD				
	LOQ				
	QC Exceedance	N		N	
	Lab Certification				

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

1. Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation for TTO I certify that to the best of my knowledge and belief no dumping of concentrated toxic organics into the wastewaters has
2. occurred since filing of the last discharge monitoring report. I further certify that this facility is implementing the solvent management plan submitted to the department.

General Remarks

CN- is always done as a grab sample per WDNR

Laboratory Quality Control Comments



eReport Submit - TYCO FIRE PROTECTION PRODUCTS LP

- 382038

Facility Name

TYCO FIRE PROTECTION PRODUCTS LP

Form Type

Wastewater Discharge Monitoring Long Report

DOC ID

357081

Reporting Period

3/1/2016 to 3/31/2016

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- 382038

Facility Name

TYCO FIRE PROTECTION PRODUCTS LP

Form Type

Wastewater Discharge Monitoring Long Report

DOC ID

357081

Reporting Period

3/1/2016 to 3/31/2016

Enter Certification Code

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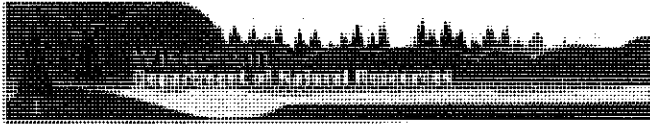
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I certify under penalty of law that this form submitted to DNR on 4/16/2016 for the period 3/1/2016 to 3/31/2016 and identified by the DOC ID number listed above was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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eReport Certify - TYCO FIRE PROTECTION PRODUCTS LP

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Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: TYCO FIRE PROTECTION PRODUCTS LP
 Contact Address: One Stanton Street
 Marinette, WI 54143
 Facility Contact: Judith Rost, Sr Lab Tech
 Phone Number: (715) 735-7411
 Reporting Period: 04/01/2016 - 04/30/2016
 Form Due Date: 05/21/2016
 Permit Number: 0001040

Date Received:
 DOC: 362100
 FIN: 7245
 FID: 438039470
 Region: Northeast Region
 Permit Drafter: Jeff W. Brauer
 Reviewer: Bruce S. Oman
 Office: Peshtigo

Sample Point	001	703	001	001	001	
Description	PRIOR TO MENOMINEE RIVER	Intake Water Monitoring	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	
Parameter	211	280	487	374	373	
Description	Flow Rate	Mercury, Total Recoverable	Temperature	pH (Minimum)	pH (Maximum)	
Units	MGD	ng/L	degF	su	su	
Sample Type	CONTINUOUS	GRAB	GRAB	CONTINUOUS	CONTINUOUS	
Frequency	DAILY	MONTHLY	MONTHLY	DAILY	DAILY	
Sample Results	Day 1	0.123660		56	7.2	7.2
	2	0.115180		48	7.2	7.3
	3	0.131670		48	7.2	7.4
	4	0.206560		57	7.0	7.2
	5	0.241460		55	7.0	7.2
	6	0.268830		53	6.9	7.2
	7	0.228420		57	7.1	7.2
	8	0.160350		50	7.0	7.3
	9	0.070520		51	7.3	7.5
	10	0.092360		50	7.4	7.5
	11	0.218940		57	7.3	7.5
	12	0.247590		57	7.2	7.3
	13	0.249470		58	7.1	7.4
	14	0.224270		56	7.1	7.3
	15	0.207320		59	7.0	7.2
	16	0.113320		59	7.1	7.4
	17	0.089170		58	7.3	7.5
	18	0.246810		58	7.0	7.3
	19	0.269280		59	7.0	7.2
	20	0.266220		60	7.0	7.2
	21	0.307100		59	6.8	7.2
	22	0.206360		62	7.0	7.2
	23	0.111550		68	7.0	7.2
	24	0.184130		57	6.9	7.4
	25	0.313550	6.0	59	7.0	7.4
	26	0.239950		62	6.9	7.2
	27	0.227240		60	7.0	7.2
	28	0.220420		61	7.1	7.3
	29	0.214910		51	7.1	7.2
	30	0.101620		60	7.1	7.2
	31					

	Sample Point	001	703	001	001	001
	Description	PRIOR TO MENOMINEE RIVER	Intake Water Monitoring	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER
	Parameter	211	280	487	374	373
	Description	Flow Rate	Mercury, Total Recoverable	Temperature	pH (Minimum)	pH (Maximum)
	Units	MGD	ng/L	degF	su	su
Summary Values	Monthly Avg	0.196607667	6	56.833333333	7.076666667	7.293333333
	Monthly Total					
	Daily Max	0.31355	6	68	7.4	7.5
	Daily Min	0.07052	6	48	6.8	7.2
	Rolling 12 Month Avg					
Limit(s) in Effect	Monthly Avg					
	Monthly Total					
	Daily Max					11 0
	Daily Min				4 0	
	Rolling 12 Month Avg					
QA/QC Information	LOD		0.2			
	LOQ		0.5			
	QC Exceedance	N	N	N	N	N
	Lab Certification		721026460			

Sample Point	001	001	001	001	001	
Description	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	
Parameter	379	376	388	231	35	
Description	pH Total Exceedance Time Minutes	pH Exceedances Greater Than 60 Minutes	Phosphorus, Total	Hardness, Total as CaCO3	Arsenic, Total Recoverable	
Units	minutes	Number	mg/L	mg/L	ug/L	
Sample Type	CONTINUOUS	CONTINUOUS	24 HR COMP	24 HR COMP	24 HR COMP	
Frequency	DAILY	DAILY	WEEKLY	MONTHLY	MONTHLY	
Sample Results	Day 1					
	2					
	3					
	4			0.131	210	260
	5					
	6					
	7					
	8					
	9					
	10					
	11			1.542	190	390
	12					
	13					
	14					
	15					
	16					
	17					
	18			0.437	230	430
	19					
	20					
	21					
	22					
	23					
	24					
	25			0.189	190	240
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001		001		001		001		001	
	Description	PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER	
	Parameter	379		376		388		231		35	
	Description	pH Total Exceedance Time Minutes		pH Exceedances Greater Than 60 Minutes		Phosphorus, Total		Hardness, Total as CaCO3		Arsenic, Total Recoverable	
	Units	minutes		Number		mg/L		mg/L		ug/L	
Summary Values	Monthly Avg					0.57475		205		330	
	Monthly Total										
	Daily Max					1.542		230		430	
	Daily Min					0.131		190		240	
	Rolling 12 Month Avg					0.3					
Limit(s) in Effect	Monthly Avg										
	Monthly Total	446	0								
	Daily Max			0	0					680	0
	Daily Min										
	Rolling 12 Month Avg					1	0				
QA/QC Information	LOD					0.008				1	
	LOQ					0.027				2	
	QC Exceedance	N		N		N		N		N	
	Lab Certification					438039470		721026460		721026460	

Sample Point	001	001	001	001	001
Description	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER
Parameter	35	147	147	87	152
Description	Arsenic, Total Recoverable	Copper, Total Recoverable	Copper, Total Recoverable	Cadmium, Total Recoverable	Cyanide, Amenable
Units	lbs/day	ug/L	lbs/day	ug/L	ug/L
Sample Type	CALCULATED	24 HR COMP	24 HR COMP	24 HR COMP	24 HR COMP
Frequency	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	Day 1				
	2				
	3				
	4	0.4472	12		<0.14
	5				
	6				
	7				
	8				
	9				
	10				
	11	0.7137	20		<0.14
	12				
	13				
	14				
	15				
	16				
	17				
	18	0.8858	18		<0.14
	19				
	20				
	21				
	22				
	23				
	24				
	25	0.6264	9.0		<0.14
	26				
	27				
	28				
	29				
	30				
	31				

	Sample Point	001		001		001		001		001	
	Description	PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER	
	Parameter	35		147		147		87		152	
	Description	Arsenic, Total Recoverable		Copper, Total Recoverable		Copper, Total Recoverable		Cadmium, Total Recoverable		Cyanide, Amenable	
	Units	lbs/day		ug/L		lbs/day		ug/L		ug/L	
Summary Values	Monthly Avg	0.668275		14.75				0			
	Monthly Total										
	Daily Max	0.8858		20				<0.14			
	Daily Min	0.4472		9				<0.14			
	Rolling 12 Month Avg										
Limit(s) in Effect	Monthly Avg										
	Monthly Total										
	Daily Max	12	0	69	0	0.98					
	Daily Min										
	Rolling 12 Month Avg										
QA/QC Information	LOD			1.3				0.14			
	LOQ			4				0.45			
	QC Exceedance	N		N		N		N		N	
	Lab Certification			721026460				721026460			

Sample Point	001	001	101	101	101	
Description	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	
Parameter	112	280	211	457	342	
Description	Chlorine, Total Residual	Mercury, Total Recoverable	Flow Rate	Suspended Solids, Total	Oil & Grease (Freon)	
Units	ug/L	ng/L	MGD	mg/L	mg/L	
Sample Type	GRAB	GRAB	CONTINUOUS	24 HR COMP	GRAB	
Frequency	MONTHLY	MONTHLY	DAILY	DAILY	2/WEEK	
Sample Results	Day 1		0.0021	9.0		
	2					
	3					
	4			0.0324	3.0	<0.99
	5			0.0211	2.2	1.0
	6			0.0273	4.4	
	7			0.0350	3.4	
	8			0.0133	5.4	
	9					
	10					
	11			0.0275	10.6	<0.99
	12			0.0275	9.8	<0.99
	13			0.0428	5.4	
	14			0.0189	12.8	
	15			0.0213	15.0	<0.99
	16			0.0098	17.7	
	17					
	18			0.0302	14.7	<0.99
	19			0.0274	10.0	
	20			0.0415	7.0	
	21			0.0267	12.0	
	22			0.0242	17.3	<0.99
	23			0.0208	13.0	
	24					
	25		4.0	0.0225	18.3	<0.99
	26			0.0312	9.6	
	27			0.0287	15.8	
	28			0.0252	14.2	
	29	40.0		0.0188	19.3	
	30			0.0096	17.3	
	31					

	Sample Point	001	001	101	101	101		
	Description	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent		
	Parameter	112	280	211	457	342		
	Description	Chlorine, Total Residual	Mercury, Total Recoverable	Flow Rate	Suspended Solids, Total	Oil & Grease (Freon)		
	Units	ug/L	ng/L	MGD	mg/L	mg/L		
Summary Values	Monthly Avg	40	4	0.024408333	11.133333333	0.125		
	Monthly Total							
	Daily Max	40	4	0.0428	19.3	1		
	Daily Min	40	4	0.0021	2.2	<0.99		
	Rolling 12 Month Avg							
Limit(s) in Effect	Monthly Avg				31	0	26	0
	Monthly Total							
	Daily Max				60	0	52	0
	Daily Min							
	Rolling 12 Month Avg							
QA/QC Information	LOD	30	0.2				0.99	
	LOQ	100	0.5				3.1	
	QC Exceedance	N	N	N	N	N	N	
	Lab Certification		721026460		438039470		721026460	

	Sample Point	101	101	101	101	101
	Description	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent
	Parameter	87	133	315	553	155
	Description	Cadmium, Total Recoverable	Chromium, Total Recoverable	Nickel, Total Recoverable	Zinc, Total Recoverable	Cyanide, Total
	Units	ug/L	ug/L	ug/L	ug/L	ug/L
	Sample Type	24 HR COMP	24 HR COMP	24 HR COMP	24 HR COMP	GRAB
	Frequency	2/WEEK	MONTHLY	2/WEEK	2/WEEK	MONTHLY
Sample Results	Day 1					
	2					
	3					
	4	<0.14	<0.67	4.5	63	
	5	0.24	<0.67	9.6	81	
	6					
	7					
	8	<0.14	<0.67	15	110	
	9					
	10					
	11	0.23	0.95	11	83	
	12					
	13					
	14					
	15	<0.14	<0.67	3.1	64	
	16	<0.14	<0.67	2.8	64	
	17					
	18					
	19					
	20					
	21					
	22	<0.14	<0.67	10	83	
	23	<0.14	<0.67	6.2	79	
	24					
	25					<5.0
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	101		101		101		101		101	
	Description	Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent	
	Parameter	87		133		315		553		155	
	Description	Cadmium, Total Recoverable		Chromium, Total Recoverable		Nickel, Total Recoverable		Zinc, Total Recoverable		Cyanide, Total	
	Units	ug/L		ug/L		ug/L		ug/L		ug/L	
Summary Values	Monthly Avg	0.05875		0.11875		7.775		78.375		0	
	Monthly Total										
	Daily Max	0.24		0.95		15		110		<5	
	Daily Min	<0.14		<0.67		2.8		63		<5	
	Rolling 12 Month Avg										
Limit(s) in Effect	Monthly Avg	260	0	1710	0	2380	0	1480	0	650	0
	Monthly Total										
	Daily Max	690	0	2770	0	3980	0	2610	0	1200	0
	Daily Min										
	Rolling 12 Month Avg										
QA/QC Information	LOD	0.14		0.67		1.1		5		5	
	LOQ	0.45		2		3.4		10		15	
	QC Exceedance	N		N		N		N		N	
	Lab Certification	721026460		721026460		721026460		721026460		721026460	

	Sample Point	101	101	101	101	101
	Description	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent
	Parameter	147	264	430	374	373
	Description	Copper, Total Recoverable	Lead, Total Recoverable	Silver, Total Recoverable	pH (Minimum)	pH (Maximum)
	Units	ug/L	ug/L	ug/L	su	su
	Sample Type	24 HR COMP	24 HR COMP	24 HR COMP	CONTINUOUS	CONTINUOUS
	Frequency	2WEEK	MONTHLY	MONTHLY	DAILY	DAILY
Sample Results	Day 1				6.8	7.0
	2					
	3					
	4	8.4	<1.5	1.0	6.6	7.2
	5	9.8	<1.5	6.3	6.3	7.0
	6				6.3	7.6
	7				6.2	7.2
	8	9.9	<1.5	<0.37	6.4	6.9
	9					
	10					
	11	14	<1.5	<0.37	7.2	8.4
	12				6.0	7.3
	13				6.6	7.8
	14				7.0	8.0
	15	8.1	<1.5	<0.37	6.3	7.4
	16	8.3	<1.5	<0.37	6.6	7.4
	17					
	18				6.8	7.2
	19				6.3	7.2
	20				6.4	6.6
	21				6.4	6.8
	22	19	<1.5	<0.37	6.1	6.9
	23	5.8	<1.5	<0.37	6.5	7.0
	24					
	25				6.9	8.0
	26				6.4	7.0
	27				6.2	6.9
	28				6.4	7.0
	29				6.3	7.3
	30				6.2	6.6
	31					

	Sample Point	101		101		101		101		101	
	Description	Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent	
	Parameter	147		264		430		374		373	
	Description	Copper, Total Recoverable		Lead, Total Recoverable		Silver, Total Recoverable		pH (Minimum)		pH (Maximum)	
	Units	ug/L		ug/L		ug/L		su		su	
Summary Values	Monthly Avg	10.4125		0		0.9125		6.466666667		7.2375	
	Monthly Total										
	Daily Max	19		<1.5		6.3		7.2		8.4	
	Daily Min	5.8		<1.5		<0.37		6		6.6	
	Rolling 12 Month Avg										
Limit(s) in Effect	Monthly Avg	2070	0	430	0	240	0				
	Monthly Total										
	Daily Max	3380	0	690	0	430	0			11	0
	Daily Min							4	0		
	Rolling 12 Month Avg										
QA/QC Information	LOD	1.3		1.5		0.37					
	LOQ	4		4.9		1.2					
	QC Exceedance	N		N		N		N		N	
	Lab Certification	721026460		721026460		721026460					

	Sample Point	101	101	101	101	101
	Description	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent
	Parameter	379	376	507	40	490
	Description	pH Total Exceedance Time Minutes	pH Exceedances Greater Than 60 Minutes	Total Toxic Organics	Benzene	Tetrachloroethylene
	Units	minutes	Number	ug/L	ug/L	ug/L
	Sample Type	CALCULATED	CALCULATED	24 HR COMP	24 HR COMP	24 HR COMP
	Frequency	DAILY	DAILY	MONTHLY	MONTHLY	MONTHLY
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	101		101		101		101		101	
	Description	Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent	
	Parameter	379		376		507		40		490	
	Description	pH Total Exceedance Time Minutes		pH Exceedances Greater Than 60 Minutes		Total Toxic Organics		Benzene		Tetrachloroethylene	
	Units	minutes		Number		ug/L		ug/L		ug/L	
Summary Values	Monthly Avg										
	Monthly Total										
	Daily Max										
	Daily Min										
	Rolling 12 Month Avg										
Limit(s) in Effect	Monthly Avg										
	Monthly Total	446	0	0	0						
	Daily Max					2130					
	Daily Min										
	Rolling 12 Month Avg										
QA/QC Information	LOD										
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification										

Sample Point	101	101	101	101	101
Description	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent
Parameter	500	561	200	508	285
Description	Toluene	1,1,1-Trichloro- ethane	Ethylbenzene	Trichloro- ethylene	Methylene chloride
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Type	24 HR COMP	24 HR COMP	24 HR COMP	24 HR COMP	24 HR COMP
Frequency	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	Day 1				
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				
	19				
	20				
	21				
	22				
	23				
	24				
	25				
	26				
	27				
	28				
	29				
	30				
	31				

	Sample Point	101	101	101	101	101
	Description	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent
	Parameter	500	561	200	508	285
	Description	Toluene	1,1,1-Trichloro- ethane	Ethylbenzene	Trichloro- ethylene	Methylene chloride
	Units	ug/L	ug/L	ug/L	ug/L	ug/L
Summary Values	Monthly Avg					
	Monthly Total					
	Daily Max					
	Daily Min					
	Rolling 12 Month Avg					
Limit(s) in Effect	Monthly Avg					
	Monthly Total					
	Daily Max					
	Daily Min					
	Rolling 12 Month Avg					
QA/QC Information	LOD					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

Sample Point	101	106	106	106	107
Description	Metal Finishing Effluent	Future remedial action ww	Future remedial action ww	Future remedial action ww	Mercury Field Blank Results
Parameter	167	211	35	457	280
Description	Di-n-butyl phthalate (dibutyl phthalate)	Flow Rate	Arsenic, Total Recoverable	Suspended Solids, Total	Mercury, Total Recoverable
Units	ug/L	gpd	ug/L	mg/L	ng/L
Sample Type	24 HR COMP	CONTINUOUS	24 HR COMP	24 HR COMP	GRAB
Frequency	MONTHLY	DAILY	WEEKLY	WEEKLY	MONTHLY
Sample Results	Day 1				
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				
	19				
	20				
	21				
	22				
	23				
	24				
	25				
	26				
	27				
	28				
	29				
	30				
	31				

<0.20

	Sample Point	101	106	106	106	107
	Description	Metal Finishing Effluent	Future remedial action ww	Future remedial action ww	Future remedial action ww	Mercury Field Blank Results
	Parameter	167	211	35	457	280
	Description	Di-n-butyl phthalate (dibutyl phthalate)	Flow Rate	Arsenic, Total Recoverable	Suspended Solids, Total	Mercury, Total Recoverable
	Units	ug/L	gpd	ug/L	mg/L	ng/L
Summary Values	Monthly Avg					0
	Monthly Total					
	Daily Max					<0.2
	Daily Min					<0.2
	Rolling 12 Month Avg					
Limit(s) in Effect	Monthly Avg					
	Monthly Total					
	Daily Max					
	Daily Min					
	Rolling 12 Month Avg					
QA/QC Information	LOD					0.2
	LOQ					0.5
	QC Exceedance	N	N	N	N	N
	Lab Certification					721026460

Sample Point	003	003	003	003	003	
Description	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg	
Parameter	211	457	35	374	373	
Description	Flow Rate	Suspended Solids, Total	Arsenic, Total Recoverable	pH (Minimum)	pH (Maximum)	
Units	MGD	mg/L	ug/L	su	su	
Sample Type	CONTINUOUS	24 HR COMP	24 HR COMP	CONTINUOUS	CONTINUOUS	
Frequency	DAILY	WEEKLY	WEEKLY	DAILY	DAILY	
Sample Results	Day 1	0.010716			6.6	7.2
	2	0.008457			6.2	6.5
	3	0.021382			6.2	6.6
	4	0.008738			6.3	7.3
	5	0.027991			7.0	7.9
	6	0.019025	<1.0	240.0	6.9	8.2
	7	0.011859			6.9	8.5
	8	0.023458			6.7	7.2
	9	0.016811			6.7	7.7
	10	0.006106			6.1	6.8
	11	0.007320			6.0	8.1
	12	0.017609	<1.0	95.0	6.6	8.0
	13	0.014254			6.0	7.4
	14	0.013798			6.7	7.1
	15	0.018855			6.7	7.2
	16					
	17					
	18	0.010666	<1.0	130.0	6.7	7.2
	19	0.008824			6.7	7.1
	20	0.013532			6.3	6.8
	21	0.021474			6.4	6.8
	22	0.010578			6.5	6.6
	23					
	24	0.014093			6.3	8.6
	25	0.012457	<1.0	430.0	6.8	7.1
	26	0.002236			6.7	7.0
	27	0.016823			6.7	7.3
	28	0.008494			6.3	7.2
	29	0.014766			6.3	8.5
	30	0.003351			6.3	8.3
	31					

	Sample Point	003	003	003	003	003	
	Description	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg	
	Parameter	211	457	35	374	373	
	Description	Flow Rate	Suspended Solids, Total	Arsenic, Total Recoverable	pH (Minimum)	pH (Maximum)	
	Units	MGD	mg/L	ug/L	su	su	
Summary Values	Monthly Avg	0.01346937	0	223.75	6.503703704	7.414814815	
	Monthly Total						
	Daily Max	0.027991	<1	430	7	8.6	
	Daily Min	0.002236	<1	95	6	6.5	
	Rolling 12 Month Avg						
Limit(s) in Effect	Monthly Avg						
	Monthly Total						
	Daily Max			680	0	11	0
	Daily Min				4	0	
	Rolling 12 Month Avg						
QA/QC Information	LOD			1			
	LOQ			2			
	QC Exceedance	N	N	N	N	N	
	Lab Certification		438039470	721026460			

	Sample Point	003	003
	Description	Future remedial action dischg	Future remedial action dischg
	Parameter	379	376
	Description	pH Total Exceedance Time Minutes	pH Exceedances Greater Than 60 Minutes
	Units	minutes	Number
	Sample Type	CONTINUOUS	CONTINUOUS
	Frequency	DAILY	DAILY
Sample Results	Day 1		
	2		
	3		
	4		
	5		
	6		
	7		
	8		
	9		
	10		
	11		
	12		
	13		
	14		
	15		
	16		
	17		
	18		
	19		
	20		
	21		
	22		
	23		
	24		
	25		
	26		
	27		
	28		
	29		
	30		
	31		

	Sample Point	003		003	
	Description	Future remedial action dischg		Future remedial action dischg	
	Parameter	379		376	
	Description	pH Total Exceedance Time Minutes		pH Exceedances Greater Than 60 Minutes	
	Units	minutes		Number	
Summary Values	Monthly Avg				
	Monthly Total				
	Daily Max				
	Daily Min				
	Rolling 12 Month Avg				
Limit(s) in Effect	Monthly Avg				
	Monthly Total	446	0		
	Daily Max			0	0
	Daily Min				
	Rolling 12 Month Avg				
QA/QC Information	LOD				
	LOQ				
	QC Exceedance	N		N	
	Lab Certification				

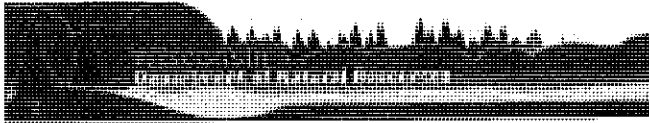
Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

1. Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation for TTO I certify that to the best of my knowledge and belief no dumping of concentrated toxic organics into the wastewaters has
2. occurred since filing of the last discharge monitoring report. I further certify that this facility is implementing the solvent management plan submitted to the department.

General Remarks

CN- is a grab sample per WDNR.
On April 25th I forgot to check both Total CN- and Amenable CN- for outfall OF001 and accidently maked it for out fall OF101 instead so, I do not have amenable for OF001.

Laboratory Quality Control Comments



eReport Certify - TYCO FIRE PROTECTION PRODUCTS LP

- 389175

Facility Name

TYCO FIRE PROTECTION PRODUCTS LP

Form Type

Wastewater Discharge Monitoring Long Report

DOC ID

362100

Reporting Period

4/1/2016 to 4/30/2016

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affleury@tycoint.com

Without leaving THIS page, check E-Mail address for message containing Certification code. Enter code and click 'Certify' button to complete Submittal.

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I certify under penalty of law that this form submitted to DNR on 5/20/2016 for the period 4/1/2016 to 4/30/2016 and identified by the DOC ID number listed above was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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- 389175

Facility Name

TYCO FIRE PROTECTION PRODUCTS LP

Form Type

Wastewater Discharge Monitoring Long Report

DOC ID

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4/1/2016 to 4/30/2016

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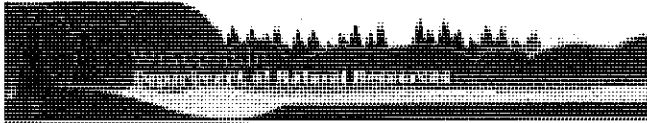
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Wastewater Discharge Monitoring Long Report

For DNR Use Only

Facility Name: TYCO FIRE PROTECTION PRODUCTS LP
 Contact Address: One Stanton Street
 Marinette, WI 54143
 Facility Contact: Judith Rost, Sr Lab Tech
 Phone Number: (715) 735-7411
 Reporting Period: 05/01/2016 - 05/31/2016
 Form Due Date: 06/21/2016
 Permit Number: 0001040

Date Received:
 DOC: 362101
 FIN: 7245
 FID: 438039470
 Region: Northeast Region
 Permit Drafter: Jeff W. Brauer
 Reviewer: Bruce S. Oman
 Office: Peshtigo

	Sample Point	001	703	001	001	001
	Description	PRIOR TO MENOMINEE RIVER	Intake Water Monitoring	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER
	Parameter	211	280	487	374	373
	Description	Flow Rate	Mercury, Total Recoverable	Temperature	pH (Minimum)	pH (Maximum)
	Units	MGD	ng/L	degF	su	su
	Sample Type	CONTINUOUS	GRAB	GRAB	CONTINUOUS	CONTINUOUS
	Frequency	DAILY	MONTHLY	MONTHLY	DAILY	DAILY
Sample Results	Day 1	0.08414		59	7.3	7.5
	2	0.22513		63	7.2	7.3
	3	0.25998		64	7.2	7.3
	4	0.24334		59	7.1	7.3
	5	0.24124		61	7.0	7.2
	6	0.22161		62	7.0	8.0
	7	0.14099		60	7.8	8.0
	8	0.13354		58	7.8	7.9
	9	0.24663		60	7.7	8.0
	10	0.27437		73	7.6	8.1
	11	0.29297		71	7.4	7.8
	12	0.24641		65	7.4	7.5
	13	0.23277		63	7.4	7.6
	14	0.13978		64	7.4	7.5
	15	0.20502		59	7.4	7.6
	16	0.11947		63	7.4	7.5
	17	0.24768		64	7.3	7.5
	18	0.24692		65	7.3	7.5
	19	0.24798		66	7.1	7.4
	20	0.17810		66	7.1	7.2
	21	0.25106		66	7.1	7.3
	22	0.15503		61	7.2	7.3
	23	0.24508		69	7.1	7.4
	24	0.24038	5.9	68	7.1	7.4
	25	0.30125		66	7.1	7.4
	26	0.20422		67	7.0	7.2
	27	0.27723		67	6.5	7.1
	28	0.07099		67	6.8	7.3
	29	0.06210		68	7.2	7.3
	30	0.08330		67	7.1	7.3
	31	0.25814		67	7.0	7.2

	Sample Point	001	703	001	001	001
	Description	PRIOR TO MENOMINEE RIVER	Intake Water Monitoring	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER
	Parameter	211	280	487	374	373
	Description	Flow Rate	Mercury, Total Recoverable	Temperature	pH (Minimum)	pH (Maximum)
	Units	MGD	ng/L	degF	su	su
Summary Values	Monthly Avg	0.205704839	5.9	64.451612903	7.229032258	7.480645161
	Monthly Total					
	Daily Max	0.30125	5.9	73	7.8	8.1
	Daily Min	0.0621	5.9	58	6.5	7.1
	Rolling 12 Month Avg					
Limit(s) in Effect	Monthly Avg					
	Monthly Total					
	Daily Max					11 0
	Daily Min				4 0	
	Rolling 12 Month Avg					
QA/QC Information	LOD		0.2			
	LOQ		0.5			
	QC Exceedance	N	N	N	N	N
	Lab Certification		721026460			

Sample Point	001	001	001	001	001	
Description	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	
Parameter	379	376	388	231	35	
Description	pH Total Exceedance Time Minutes	pH Exceedances Greater Than 60 Minutes	Phosphorus, Total	Hardness, Total as CaCO3	Arsenic, Total Recoverable	
Units	minutes	Number	mg/L	mg/L	ug/L	
Sample Type	CONTINUOUS	CONTINUOUS	24 HR COMP	24 HR COMP	24 HR COMP	
Frequency	DAILY	DAILY	WEEKLY	MONTHLY	MONTHLY	
Sample Results	Day 1					
	2			0.236	240	300
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10			0.254	220	210
	11					
	12					
	13					
	14					
	15					
	16			0.143	200	170
	17					
	18					
	19					
	20					
	21					
	22					
	23			0.150	260	200
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001		001		001		001		001	
	Description	PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER	
	Parameter	379		376		388		231		35	
	Description	pH Total Exceedance Time Minutes		pH Exceedances Greater Than 60 Minutes		Phosphorus, Total		Hardness, Total as CaCO3		Arsenic, Total Recoverable	
	Units	minutes		Number		mg/L		mg/L		ug/L	
Summary Values	Monthly Avg					0.19575		230		220	
	Monthly Total										
	Daily Max					0.254		260		300	
	Daily Min					0.143		200		170	
	Rolling 12 Month Avg					0.3					
Limit(s) in Effect	Monthly Avg										
	Monthly Total	446	0								
	Daily Max			0	0					680	0
	Daily Min										
	Rolling 12 Month Avg					1	0				
QA/QC Information	LOD					0.008				1	
	LOQ					0.027				2	
	QC Exceedance	N		N		N		N		N	
	Lab Certification					438039470		721026460		721026460	

	Sample Point	001	001	001	001	001
	Description	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER
	Parameter	35	147	147	87	152
	Description	Arsenic, Total Recoverable	Copper, Total Recoverable	Copper, Total Recoverable	Cadmium, Total Recoverable	Cyanide, Amenable
	Units	lbs/day	ug/L	lbs/day	ug/L	ug/L
	Sample Type	CALCULATED	24 HR COMP	24 HR COMP	24 HR COMP	24 HR COMP
	Frequency	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	Day 1					
	2	0.5640	9.0	0.01692	<0.14	
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10	0.4809	11	0.02519	<0.14	
	11					
	12					
	13					
	14					
	15					
	16	0.2907	8.4	0.014364	<0.14	
	17					
	18					
	19					
	20					
	21					
	22					
	23	0.4080	8.0	0.01632	<0.14	
	24					
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	001		001		001		001		001	
	Description	PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER		PRIOR TO MENOMINEE RIVER	
	Parameter	35		147		147		87		152	
	Description	Arsenic, Total Recoverable		Copper, Total Recoverable		Copper, Total Recoverable		Cadmium, Total Recoverable		Cyanide, Amenable	
	Units	lbs/day		ug/L		lbs/day		ug/L		ug/L	
Summary Values	Monthly Avg	0.4359		9.1		0.0181985		0			
	Monthly Total										
	Daily Max	0.564		11		0.02519		<0.14			
	Daily Min	0.2907		8		0.014364		<0.14			
	Rolling 12 Month Avg										
Limit(s) in Effect	Monthly Avg										
	Monthly Total										
	Daily Max	12	0	69	0	0.98	0				
	Daily Min										
	Rolling 12 Month Avg										
QA/QC Information	LOD			1.3				0.14			
	LOQ			4				0.45			
	QC Exceedance	N		N		N		N		N	
	Lab Certification			721026460				721026460			

	Sample Point	001	001	101	101	101	
	Description	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	
	Parameter	112	280	211	457	342	
	Description	Chlorine, Total Residual	Mercury, Total Recoverable	Flow Rate	Suspended Solids, Total	Oil & Grease (Freon)	
	Units	ug/L	ng/L	MGD	mg/L	mg/L	
	Sample Type	GRAB	GRAB	CONTINUOUS	24 HR COMP	GRAB	
	Frequency	MONTHLY	MONTHLY	DAILY	DAILY	2/WEEK	
Sample Results	Day 1						
	2			0.028734	21.3	<0.99	
	3			0.025999	15.7	<0.99	
	4			0.023054	13.0		
	5			0.016790	18.0		
	6			0.019634	20.0		
	7			0.007895	23.3		
	8						
	9			0.022080	18.7		
	10			0.030819	14.7	<0.99	
	11			0.025673	10.4	<0.99	
	12			0.035732	7.0		
	13			0.031973	8.3		
	14			0.013902	10.3		
	15						
	16			0.021971	7.8	1.7	
	17			0.090072	4.8	<0.99	
	18			0.023022	3.2		
	19			0.016362	11.4		
	20			0.025279	9.2		
	21			0.008937	12.3		
	22						
	23		20	0.018779	7.2	<0.99	
	24			2.0	0.016400	9.2	<0.99
	25			0.022967	6.4		
	26			0.021408	7.0		
	27			0.003744	18.7		
	28						
	29						
	30						
	31			0.026293	11.3		

Sample Point	001	001	101	101	101			
Description	PRIOR TO MENOMINEE RIVER	PRIOR TO MENOMINEE RIVER	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent			
Parameter	112	280	211	457	342			
Description	Chlorine, Total Residual	Mercury, Total Recoverable	Flow Rate	Suspended Solids, Total	Oil & Grease (Freon)			
Units	ug/L	ng/L	MGD	mg/L	mg/L			
Summary Values	Monthly Avg	20	2	0.024063292	12.05	0.2125		
	Monthly Total							
	Daily Max	20	2	0.090072	23.3	1.7		
	Daily Min	20	2	0.003744	3.2	<0.99		
	Rolling 12 Month Avg							
Limit(s) in Effect	Monthly Avg				31	0	26	0
	Monthly Total							
	Daily Max				60	0	52	0
	Daily Min							
	Rolling 12 Month Avg							
QA/QC Information	LOD	30	0.2				0.99	
	LOQ	100	0.5				3.1	
	QC Exceedance	N	N	N	N	N	N	
	Lab Certification		721026460		438039470	721026460		

Sample Point	101	101	101	101	101
Description	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent
Parameter	87	133	315	553	155
Description	Cadmium, Total Recoverable	Chromium, Total Recoverable	Nickel, Total Recoverable	Zinc, Total Recoverable	Cyanide, Total
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Type	24 HR COMP	24 HR COMP	24 HR COMP	24 HR COMP	GRAB
Frequency	2WEEK	MONTHLY	2WEEK	2WEEK	MONTHLY
Sample Results	Day 1				
	2	<0.14	<0.67	5.5	55
	3	<0.14	<0.67	5.8	83
	4				
	5				
	6				
	7				
	8				
	9	<0.14	<0.67	17	69
	10	<0.14	<0.67	13	45
	11				
	12				
	13				
	14				
	15				
	16	0.17	<0.67	9.7	50
	17	<0.14	<0.67	4.6	32
	18				
	19				
	20				
	21				
	22				
	23	<0.14	<0.67	11	240
	24	<0.14	<0.67	16	140
	25				
	26				
	27				
	28				
	29				
	30				
	31				

	Sample Point	101		101		101		101		101	
	Description	Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent	
	Parameter	87		133		315		553		155	
	Description	Cadmium, Total Recoverable		Chromium, Total Recoverable		Nickel, Total Recoverable		Zinc, Total Recoverable		Cyanide, Total	
	Units	ug/L		ug/L		ug/L		ug/L		ug/L	
Summary Values	Monthly Avg	0.02125		0		10.325		89.25			
	Monthly Total										
	Daily Max	0.17		<0.67		17		240			
	Daily Min	<0.14		<0.67		4.6		32			
	Rolling 12 Month Avg										
Limit(s) in Effect	Monthly Avg	260	0	1710	0	2380	0	1480	0	650	
	Monthly Total										
	Daily Max	690	0	2770	0	3980	0	2610	0	1200	
	Daily Min										
	Rolling 12 Month Avg										
QA/QC Information	LOD	0.14		0.67		1.1		5			
	LOQ	0.45		2		3.4		10			
	QC Exceedance	N		N		N		N		N	
	Lab Certification	721026460		721026460		721026460		721026460			

	Sample Point	101	101	101	101	101
	Description	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent
	Parameter	147	264	430	374	373
	Description	Copper, Total Recoverable	Lead, Total Recoverable	Silver, Total Recoverable	pH (Minimum)	pH (Maximum)
	Units	ug/L	ug/L	ug/L	su	su
	Sample Type	24 HR COMP	24 HR COMP	24 HR COMP	CONTINUOUS	CONTINUOUS
	Frequency	2WEEK	MONTHLY	MONTHLY	DAILY	DAILY
Sample Results	Day 1					
	2	9.9	<1.5	<0.37	6.2	7.0
	3	13	<1.5	<0.37	6.0	6.5
	4				6.0	6.4
	5				6.1	6.6
	6				6.1	7.3
	7				6.3	7.3
	8					
	9	14	<1.5	<0.37	7.8	8.4
	10	12	<1.5	<0.37	7.0	8.1
	11				6.2	7.8
	12				6.7	7.2
	13				6.6	7.8
	14				6.8	7.9
	15					
	16	13	1.8	<0.37	6.5	7.6
	17	8.9	<1.5	<0.37	6.6	7.2
	18				6.2	7.2
	19				6.2	7.6
	20				6.2	7.0
	21				6.2	6.6
	22					
	23	7.0	<1.5	<0.37	6.2	8.6
	24	13	<1.5	<0.37	6.0	7.4
	25				6.2	7.6
	26				6.4	6.8
	27				6.7	7.1
	28					
	29					
	30					
	31				6.2	8.0

	Sample Point	101		101		101		101		101	
	Description	Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent	
	Parameter	147		264		430		374		373	
	Description	Copper, Total Recoverable		Lead, Total Recoverable		Silver, Total Recoverable		pH (Minimum)		pH (Maximum)	
	Units	ug/L		ug/L		ug/L		su		su	
Summary Values	Monthly Avg	11.35		0.225		0		6.391666667		7.375	
	Monthly Total										
	Daily Max	14		1.8		<0.37		7.8		8.6	
	Daily Min	7		<1.5		<0.37		6		6.4	
	Rolling 12 Month Avg										
Limit(s) in Effect	Monthly Avg	2070	0	430	0	240	0				
	Monthly Total										
	Daily Max	3380	0	690	0	430	0			11	0
	Daily Min							4	0		
	Rolling 12 Month Avg										
QA/QC Information	LOD	1.3		1.5		0.37					
	LOQ	4		4.9		1.2					
	QC Exceedance	N		N		N		N		N	
	Lab Certification	721026460		721026460		721026460					

Sample Point	101	101	101	101	101
Description	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent
Parameter	379	376	507	40	490
Description	pH Total Exceedance Time Minutes	pH Exceedances Greater Than 60 Minutes	Total Toxic Organics	Benzene	Tetrachloroethylene
Units	minutes	Number	ug/L	ug/L	ug/L
Sample Type	CALCULATED	CALCULATED	24 HR COMP	24 HR COMP	24 HR COMP
Frequency	DAILY	DAILY	MONTHLY	MONTHLY	MONTHLY
Sample Results	Day 1				
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				
	19				
	20				
	21				
	22				
	23				
	24				
	25				
	26				
	27				
	28				
	29				
	30				
	31				

	Sample Point	101		101		101		101		101	
	Description	Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent		Metal Finishing Effluent	
	Parameter	379		376		507		40		490	
	Description	pH Total Exceedance Time Minutes		pH Exceedances Greater Than 60 Minutes		Total Toxic Organics		Benzene		Tetrachloroethylene	
	Units	minutes		Number		ug/L		ug/L		ug/L	
Summary Values	Monthly Avg										
	Monthly Total										
	Daily Max										
	Daily Min										
	Rolling 12 Month Avg										
Limit(s) in Effect	Monthly Avg										
	Monthly Total	446	0	0	0						
	Daily Max					2130					
	Daily Min										
	Rolling 12 Month Avg										
QA/QC Information	LOD										
	LOQ										
	QC Exceedance	N		N		N		N		N	
	Lab Certification										

Sample Point	101	101	101	101	101
Description	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent
Parameter	500	561	200	508	285
Description	Toluene	1,1,1-Trichloro- ethane	Ethylbenzene	Trichloro- ethylene	Methylene chloride
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Sample Type	24 HR COMP	24 HR COMP	24 HR COMP	24 HR COMP	24 HR COMP
Frequency	MONTHLY	MONTHLY	MONTHLY	MONTHLY	MONTHLY
Sample Results	Day 1				
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				
	19				
	20				
	21				
	22				
	23				
	24				
	25				
	26				
	27				
	28				
	29				
	30				
	31				

	Sample Point	101	101	101	101	101
	Description	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent	Metal Finishing Effluent
	Parameter	500	561	200	508	285
	Description	Toluene	1,1,1-Trichloro- ethane	Ethylbenzene	Trichloro- ethylene	Methylene chloride
	Units	ug/L	ug/L	ug/L	ug/L	ug/L
Summary Values	Monthly Avg					
	Monthly Total					
	Daily Max					
	Daily Min					
	Rolling 12 Month Avg					
Limit(s) in Effect	Monthly Avg					
	Monthly Total					
	Daily Max					
	Daily Min					
	Rolling 12 Month Avg					
QA/QC Information	LOD					
	LOQ					
	QC Exceedance	N	N	N	N	N
	Lab Certification					

Sample Point	101	106	106	106	107	
Description	Metal Finishing Effluent	Future remedial action ww	Future remedial action ww	Future remedial action ww	Mercury Field Blank Results	
Parameter	167	211	35	457	280	
Description	Di-n-butyl phthalate (dibutyl phthalate)	Flow Rate	Arsenic, Total Recoverable	Suspended Solids, Total	Mercury, Total Recoverable	
Units	ug/L	gpd	ug/L	mg/L	ng/L	
Sample Type	24 HR COMP	CONTINUOUS	24 HR COMP	24 HR COMP	GRAB	
Frequency	MONTHLY	DAILY	WEEKLY	WEEKLY	MONTHLY	
Sample Results	Day 1					
	2					
	3					
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					<0.20
	25					
	26					
	27					
	28					
	29					
	30					
	31					

	Sample Point	101	106	106	106	107
	Description	Metal Finishing Effluent	Future remedial action ww	Future remedial action ww	Future remedial action ww	Mercury Field Blank Results
	Parameter	167	211	35	457	280
	Description	Di-n-butyl phthalate (dibutyl phthalate)	Flow Rate	Arsenic, Total Recoverable	Suspended Solids, Total	Mercury, Total Recoverable
	Units	ug/L	gpd	ug/L	mg/L	ng/L
Summary Values	Monthly Avg					0
	Monthly Total					
	Daily Max					<0.2
	Daily Min					<0.2
	Rolling 12 Month Avg					
Limit(s) in Effect	Monthly Avg					
	Monthly Total					
	Daily Max					
	Daily Min					
	Rolling 12 Month Avg					
QA/QC Information	LOD					0.2
	LOQ					0.5
	QC Exceedance	N	N	N	N	N
	Lab Certification					721026460

	Sample Point	003	003	003	003	003
	Description	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg
	Parameter	211	457	35	374	373
	Description	Flow Rate	Suspended Solids, Total	Arsenic, Total Recoverable	pH (Minimum)	pH (Maximum)
	Units	MGD	mg/L	ug/L	su	su
	Sample Type	CONTINUOUS	24 HR COMP	24 HR COMP	CONTINUOUS	CONTINUOUS
	Frequency	DAILY	WEEKLY	WEEKLY	DAILY	DAILY
Sample Results	Day 1	0.011610			6.1	6.9
	2	0.011912	<1.0	29	6.5	7.2
	3	0.006632			7.1	8.9
	4	0.014618			6.6	7.1
	5	0.007683			6.1	7.4
	6	0.014910			6.6	7.5
	7				6.5	6.7
	8	0.014133			6.5	8.0
	9	0.008663			6.5	7.1
	10	0.010159	<1.0	100	6.6	6.8
	11	0.010119			6.6	6.8
	12	0.013483			6.3	6.8
	13	0.008018			6.1	7.1
	14	0.024224			6.2	7.2
	15	0.014888			6.3	6.7
	16					
	17					
	18	0.002111			6.0	7.0
	19	0.015401	<1.0	63	6.5	6.6
	20	0.004204			5.9	7.1
	21	0.018860			6.5	6.7
	22	0.011963			6.6	6.9
	23	0.002160			5.9	7.1
	24	0.015925			6.1	8.3
	25	0.008304	<1.0	110	6.7	7.0
	26	0.013222			6.0	7.9
	27	0.006290			6.7	6.9
	28					
	29					
	30	0.003796			6.5	7.7
	31	0.021203			6.7	7.7

	Sample Point	003	003	003	003	003	
	Description	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg	Future remedial action dischg	
	Parameter	211	457	35	374	373	
	Description	Flow Rate	Suspended Solids, Total	Arsenic, Total Recoverable	pH (Minimum)	pH (Maximum)	
	Units	MGD	mg/L	ug/L	su	su	
Summary Values	Monthly Avg	0.011326577	0	75.5	6.396296296	7.225925926	
	Monthly Total						
	Daily Max	0.024224	<1	110	7.1	8.9	
	Daily Min	0.002111	<1	29	5.9	6.6	
	Rolling 12 Month Avg						
Limit(s) in Effect	Monthly Avg						
	Monthly Total						
	Daily Max			680	0	11	0
	Daily Min				4	0	
	Rolling 12 Month Avg						
QA/QC Information	LOD			1			
	LOQ			2			
	QC Exceedance	N	N	N	N	N	
	Lab Certification		438039470	721026460			

	Sample Point	003	003
	Description	Future remedial action dischg	Future remedial action dischg
	Parameter	379	376
	Description	pH Total Exceedance Time Minutes	pH Exceedances Greater Than 60 Minutes
	Units	minutes	Number
	Sample Type	CONTINUOUS	CONTINUOUS
	Frequency	DAILY	DAILY
Sample Results	Day 1		
	2		
	3		
	4		
	5		
	6		
	7		
	8		
	9		
	10		
	11		
	12		
	13		
	14		
	15		
	16		
	17		
	18		
	19		
	20	2	
	21		
	22		
	23	13	
	24		
	25		
	26		
	27		
	28		
	29		
	30		
	31		

	Sample Point	003		003	
	Description	Future remedial action dischg		Future remedial action dischg	
	Parameter	379		376	
	Description	pH Total Exceedance Time Minutes		pH Exceedances Greater Than 60 Minutes	
	Units	minutes		Number	
Summary Values	Monthly Avg	7.5			
	Monthly Total	13			
	Daily Max	13			
	Daily Min	2			
	Rolling 12 Month Avg				
Limit(s) in Effect	Monthly Avg				
	Monthly Total	446	0		
	Daily Max			0	0
	Daily Min				
	Rolling 12 Month Avg				
QA/QC Information	LOD				
	LOQ				
	QC Exceedance	N		N	
	Lab Certification				

Footnotes (DNR Use Only; Instructions for completing this form that are unique for your facility may be displayed here.)

1. Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitation for TTO I certify that to the best of my knowledge and belief no dumping of concentrated toxic organics into the wastewaters has
2. occurred since filing of the last discharge monitoring report. I further certify that this facility is implementing the solvent management plan submitted to the department.

General Remarks

Laboratory Quality Control Comments

CN- for OF001 and OF101 were not measured because it was held past the hold time of 14 days and we did not have time for a new sample.

Submitted by Anne Fleury(afleury16) on 6/13/2016 4:29:59 PM

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LP - 389145

Facility Name

TYCO FIRE PROTECTION PRODUCTS LP

Form Type

Wastewater Discharge Monitoring Long Report

DOC ID

362101

Reporting Period

5/1/2016 to 5/31/2016

Finalize Submi

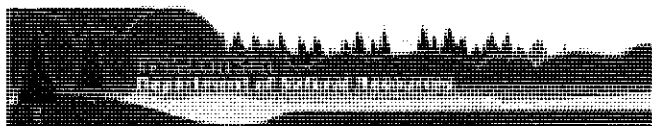
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eReport Certify - TYCO FIRE PROTECTION PRODUCTS LP

- 389145

Facility Name

TYCO FIRE PROTECTION PRODUCTS LP

Form Type

Wastewater Discharge Monitoring Long Report

DOC ID

362101

Reporting Period

5/1/2016 to 5/31/2016

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E-Mail was sent to

afleury@tycoint.com

Without leaving THIS page, check E-Mail address for message containing Certification code. Enter code and click 'Certify' button to complete Submittal.

Submittal of this form is required by section 283.55, Wis. Stats., and chapters NR 205 and NR 214 or NR 204, Wis. Admin. Code.

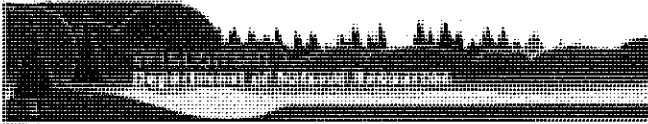
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I certify under penalty of law that this form submitted to DNR on 6/13/2016 for the period 5/1/2016 to 5/31/2016 and identified by the DOC ID number listed above was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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eReport Certify - TYCO FIRE PROTECTION PRODUCTS LP

- 389145

Facility Name

TYCO FIRE PROTECTION PRODUCTS LP

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Wastewater Discharge Monitoring Long Report

DOC ID

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Reporting Period

5/1/2016 to 5/31/2016

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Attachment 3
BWGMP Semi-Annual Laboratory Sample
Reports

ANALYTICAL REPORT

Job Number: 500-111319-1

Job Description: Barrier Wall Monitoring

For:

Tyco Fire Protection Products
1 Stanton St
Marinette, WI 54143
Attention: Mr. Ryan Suennen



Approved for release.
Richard C Wright
Senior Project Manager
7/11/2016 1:09 PM

Richard C Wright, Senior Project Manager
2417 Bond Street, University Park, IL, 60484
richard.wright@testamericainc.com
07/11/2016
Revision: 1

All questions regarding this test report should be directed to the TestAmerica Project Manager whose signature appears on this report. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

TestAmerica Laboratories, Inc.

TestAmerica Chicago 2417 Bond Street, University Park, IL 60484
Tel (708) 534-5200 Fax (708) 534-5211 www.testamericainc.com

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Job Narrative
500-111319-1

Revised Report

Erroneous B Flag for Arsenic on lab sample 20 was removed.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

SAMPLE SUMMARY

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
500-111319-1	MW021S	Water	05/01/2016 0831	05/09/2016 1030
500-111319-2	MW021M	Water	05/01/2016 0833	05/09/2016 1030
500-111319-3	MW040S	Water	05/01/2016 1026	05/09/2016 1030
500-111319-4	MW040M	Water	05/01/2016 1025	05/09/2016 1030
500-111319-5	MW040D	Water	05/01/2016 1023	05/09/2016 1030
500-111319-6	MW040S/D	Water	05/01/2016 1027	05/09/2016 1030
500-111319-7	MW064S	Water	05/01/2016 1400	05/09/2016 1030
500-111319-8	MW064M	Water	05/01/2016 1359	05/09/2016 1030
500-111319-9	MW064D	Water	05/01/2016 1402	05/09/2016 1030
500-111319-10	MW101S	Water	05/01/2016 0929	05/09/2016 1030
500-111319-11	MW101M	Water	05/01/2016 0915	05/09/2016 1030
500-111319-12	MW102S	Water	05/01/2016 1452	05/09/2016 1030
500-111319-13	MW102M	Water	05/01/2016 1451	05/09/2016 1030
500-111319-14	MW102D	Water	05/01/2016 1453	05/09/2016 1030
500-111319-15	MW102D/D	Water	05/01/2016 1454	05/09/2016 1030
500-111319-16	MW105S	Water	05/01/2016 1144	05/09/2016 1030
500-111319-17	MW105M	Water	05/01/2016 1522	05/09/2016 1030
500-111319-18	MW105D	Water	05/01/2016 1518	05/09/2016 1030
500-111319-19	MW041S	Water	05/02/2016 1502	05/09/2016 1030
500-111319-19MS	MW041S	Water	05/02/2016 1502	05/09/2016 1030
500-111319-19MSD	MW041S	Water	05/02/2016 1502	05/09/2016 1030
500-111319-20	MW041M	Water	05/02/2016 1459	05/09/2016 1030
500-111319-21	MW047S	Water	05/02/2016 0952	05/09/2016 1030
500-111319-22	MW047M	Water	05/02/2016 0956	05/09/2016 1030
500-111319-23	MW047D	Water	05/02/2016 1008	05/09/2016 1030
500-111319-24	MW100S	Water	05/02/2016 0904	05/09/2016 1030
500-111319-24MS	MW100S	Water	05/02/2016 0904	05/09/2016 1030
500-111319-24MSD	MW100S	Water	05/02/2016 0904	05/09/2016 1030
500-111319-25	MW100M	Water	05/02/2016 0852	05/09/2016 1030
500-111319-26	MW100D	Water	05/02/2016 0850	05/09/2016 1030
500-111319-27	MW103S	Water	05/02/2016 1206	05/09/2016 1030
500-111319-28	MW103M	Water	05/02/2016 1206	05/09/2016 1030
500-111319-29	MW104S	Water	05/02/2016 1416	05/09/2016 1030
500-111319-30	MW104M	Water	05/02/2016 1405	05/09/2016 1030

EXECUTIVE SUMMARY - Detections

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
500-111319-1 <i>Total Recoverable</i> Arsenic	MW021S	0.060		0.0050	mg/L	200.7 Rev 4.4
500-111319-2 <i>Total Recoverable</i> Arsenic	MW021M	0.0048	J	0.0050	mg/L	200.7 Rev 4.4
500-111319-3 <i>Total Recoverable</i> Arsenic	MW040S	0.046		0.0050	mg/L	200.7 Rev 4.4
500-111319-4 <i>Total Recoverable</i> Arsenic	MW040M	0.25		0.0050	mg/L	200.7 Rev 4.4
500-111319-5 <i>Total Recoverable</i> Arsenic	MW040D	0.023		0.0050	mg/L	200.7 Rev 4.4
500-111319-6 <i>Total Recoverable</i> Arsenic	MW040S/D	0.047		0.0050	mg/L	200.7 Rev 4.4
500-111319-7 <i>Total Recoverable</i> Arsenic	MW064S	0.42		0.0050	mg/L	200.7 Rev 4.4
500-111319-8 <i>Total Recoverable</i> Arsenic	MW064M	6.3		0.0050	mg/L	200.7 Rev 4.4
500-111319-9 <i>Total Recoverable</i> Arsenic	MW064D	0.53		0.0050	mg/L	200.7 Rev 4.4

EXECUTIVE SUMMARY - Detections

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
500-111319-10 <i>Total Recoverable</i> Arsenic	MW101S	0.22		0.0050	mg/L	200.7 Rev 4.4
500-111319-11 <i>Total Recoverable</i> Arsenic	MW101M	0.0032	J	0.0050	mg/L	200.7 Rev 4.4
500-111319-12 <i>Total Recoverable</i> Arsenic	MW102S	0.075		0.0050	mg/L	200.7 Rev 4.4
500-111319-13 <i>Total Recoverable</i> Arsenic	MW102M	0.0097		0.0050	mg/L	200.7 Rev 4.4
500-111319-14 <i>Total Recoverable</i> Arsenic	MW102D	0.19		0.0050	mg/L	200.7 Rev 4.4
500-111319-15 <i>Total Recoverable</i> Arsenic	MW102D/D	0.19		0.0050	mg/L	200.7 Rev 4.4
500-111319-16 <i>Total Recoverable</i> Arsenic	MW105S	0.29		0.0050	mg/L	200.7 Rev 4.4
500-111319-17 <i>Total Recoverable</i> Arsenic	MW105M	0.0047	J	0.0050	mg/L	200.7 Rev 4.4
500-111319-18 <i>Total Recoverable</i> Arsenic	MW105D	0.0092		0.0050	mg/L	200.7 Rev 4.4

EXECUTIVE SUMMARY - Detections

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
500-111319-19 <i>Total Recoverable</i> Arsenic	MW041S	22		0.025	mg/L	200.7 Rev 4.4
500-111319-20 <i>Total Recoverable</i> Arsenic	MW041M	1400		2.5	mg/L	200.7 Rev 4.4
500-111319-21 <i>Total Recoverable</i> Arsenic	MW047S	0.097		0.0050	mg/L	200.7 Rev 4.4
500-111319-22 <i>Total Recoverable</i> Arsenic	MW047M	1.3		0.0050	mg/L	200.7 Rev 4.4
500-111319-23 <i>Total Recoverable</i> Arsenic	MW047D	0.26		0.0050	mg/L	200.7 Rev 4.4
500-111319-24 <i>Total Recoverable</i> Arsenic	MW100S	0.076		0.0050	mg/L	200.7 Rev 4.4
500-111319-25 <i>Total Recoverable</i> Arsenic	MW100M	0.0043	J	0.0050	mg/L	200.7 Rev 4.4
500-111319-26 <i>Total Recoverable</i> Arsenic	MW100D	0.22		0.0050	mg/L	200.7 Rev 4.4
500-111319-27 <i>Total Recoverable</i> Arsenic	MW103S	0.048		0.0050	mg/L	200.7 Rev 4.4

EXECUTIVE SUMMARY - Detections

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
500-111319-28 <i>Total Recoverable</i> Arsenic	MW103M	0.016		0.0050	mg/L	200.7 Rev 4.4
500-111319-29 <i>Total Recoverable</i> Arsenic	MW104S	0.0063		0.0050	mg/L	200.7 Rev 4.4
500-111319-30 <i>Total Recoverable</i> Arsenic	MW104M	0.0050		0.0050	mg/L	200.7 Rev 4.4

METHOD SUMMARY

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Metals (ICP)	TAL CHI	EPA 200.7 Rev 4.4	
Preparation, Total Recoverable Metals	TAL CHI		EPA 200.7

Lab References:

TAL CHI = TestAmerica Chicago

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Method	Analyst	Analyst ID
EPA 200.7 Rev 4.4	Jones, Paul	PJ1
EPA 200.7 Rev 4.4	Lacy, Keith M	KML

Analytical Data

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Client Sample ID: MW021S

Lab Sample ID: 500-111319-1

Date Sampled: 05/01/2016 0831

Client Matrix: Water

Date Received: 05/09/2016 1030

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Analysis Method:	200.7 Rev 4.4	Analysis Batch:	500-334919	Instrument ID:	ICP8
Prep Method:	200.7	Prep Batch:	500-334709	Lab File ID:	P8051016AA.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/10/2016 1738			Final Weight/Volume:	25 mL
Prep Date:	05/10/2016 0840				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.060		0.0025	0.0050

Analytical Data

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Client Sample ID: MW021M

Lab Sample ID: 500-111319-2

Date Sampled: 05/01/2016 0833

Client Matrix: Water

Date Received: 05/09/2016 1030

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Analysis Method:	200.7 Rev 4.4	Analysis Batch:	500-334919	Instrument ID:	ICP8
Prep Method:	200.7	Prep Batch:	500-334709	Lab File ID:	P8051016AA.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/10/2016 1742			Final Weight/Volume:	25 mL
Prep Date:	05/10/2016 0840				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.0048	J	0.0025	0.0050

Analytical Data

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Client Sample ID: MW040S

Lab Sample ID: 500-111319-3

Date Sampled: 05/01/2016 1026

Client Matrix: Water

Date Received: 05/09/2016 1030

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Analysis Method:	200.7 Rev 4.4	Analysis Batch:	500-334919	Instrument ID:	ICP8
Prep Method:	200.7	Prep Batch:	500-334709	Lab File ID:	P8051016AA.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/10/2016 1747			Final Weight/Volume:	25 mL
Prep Date:	05/10/2016 0840				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.046		0.0025	0.0050

Analytical Data

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Client Sample ID: MW040M

Lab Sample ID: 500-111319-4

Date Sampled: 05/01/2016 1025

Client Matrix: Water

Date Received: 05/09/2016 1030

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Analysis Method:	200.7 Rev 4.4	Analysis Batch:	500-334919	Instrument ID:	ICP8
Prep Method:	200.7	Prep Batch:	500-334709	Lab File ID:	P8051016AA.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/10/2016 1751			Final Weight/Volume:	25 mL
Prep Date:	05/10/2016 0840				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.25		0.0025	0.0050

Analytical Data

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Client Sample ID: MW040D

Lab Sample ID: 500-111319-5

Date Sampled: 05/01/2016 1023

Client Matrix: Water

Date Received: 05/09/2016 1030

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Analysis Method:	200.7 Rev 4.4	Analysis Batch:	500-334919	Instrument ID:	ICP8
Prep Method:	200.7	Prep Batch:	500-334709	Lab File ID:	P8051016AA.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/10/2016 1756			Final Weight/Volume:	25 mL
Prep Date:	05/10/2016 0840				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.023		0.0025	0.0050

Analytical Data

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Client Sample ID: MW040S/D

Lab Sample ID: 500-111319-6

Date Sampled: 05/01/2016 1027

Client Matrix: Water

Date Received: 05/09/2016 1030

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Analysis Method: 200.7 Rev 4.4	Analysis Batch: 500-334919	Instrument ID: ICP8
Prep Method: 200.7	Prep Batch: 500-334709	Lab File ID: P8051016AA.asc
Dilution: 1.0		Initial Weight/Volume: 50 mL
Analysis Date: 05/10/2016 1802		Final Weight/Volume: 25 mL
Prep Date: 05/10/2016 0840		

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.047		0.0025	0.0050

Analytical Data

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Client Sample ID: MW064S

Lab Sample ID: 500-111319-7

Date Sampled: 05/01/2016 1400

Client Matrix: Water

Date Received: 05/09/2016 1030

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Analysis Method: 200.7 Rev 4.4	Analysis Batch: 500-334919	Instrument ID: ICP8
Prep Method: 200.7	Prep Batch: 500-334709	Lab File ID: P8051016AA.asc
Dilution: 1.0		Initial Weight/Volume: 50 mL
Analysis Date: 05/10/2016 1815		Final Weight/Volume: 25 mL
Prep Date: 05/10/2016 0840		

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.42		0.0025	0.0050

Analytical Data

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Client Sample ID: MW064M

Lab Sample ID: 500-111319-8

Date Sampled: 05/01/2016 1359

Client Matrix: Water

Date Received: 05/09/2016 1030

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Analysis Method: 200.7 Rev 4.4	Analysis Batch: 500-334919	Instrument ID: ICP8
Prep Method: 200.7	Prep Batch: 500-334709	Lab File ID: P8051016AA.asc
Dilution: 1.0		Initial Weight/Volume: 50 mL
Analysis Date: 05/10/2016 1819		Final Weight/Volume: 25 mL
Prep Date: 05/10/2016 0840		

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	6.3		0.0025	0.0050

Analytical Data

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Client Sample ID: MW064D

Lab Sample ID: 500-111319-9

Date Sampled: 05/01/2016 1402

Client Matrix: Water

Date Received: 05/09/2016 1030

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Analysis Method: 200.7 Rev 4.4	Analysis Batch: 500-334919	Instrument ID: ICP8
Prep Method: 200.7	Prep Batch: 500-334709	Lab File ID: P8051016AA.asc
Dilution: 1.0		Initial Weight/Volume: 50 mL
Analysis Date: 05/10/2016 1824		Final Weight/Volume: 25 mL
Prep Date: 05/10/2016 0840		

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.53		0.0025	0.0050

Analytical Data

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Client Sample ID: MW101S

Lab Sample ID: 500-111319-10

Date Sampled: 05/01/2016 0929

Client Matrix: Water

Date Received: 05/09/2016 1030

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Analysis Method:	200.7 Rev 4.4	Analysis Batch:	500-334919	Instrument ID:	ICP8
Prep Method:	200.7	Prep Batch:	500-334709	Lab File ID:	P8051016AA.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/10/2016 1830			Final Weight/Volume:	25 mL
Prep Date:	05/10/2016 0840				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.22		0.0025	0.0050

Analytical Data

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Client Sample ID: MW101M

Lab Sample ID: 500-111319-11

Date Sampled: 05/01/2016 0915

Client Matrix: Water

Date Received: 05/09/2016 1030

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Analysis Method:	200.7 Rev 4.4	Analysis Batch:	500-334919	Instrument ID:	ICP8
Prep Method:	200.7	Prep Batch:	500-334709	Lab File ID:	P8051016AA.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/10/2016 1835			Final Weight/Volume:	25 mL
Prep Date:	05/10/2016 0840				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.0032	J	0.0025	0.0050

Analytical Data

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Client Sample ID: MW102S

Lab Sample ID: 500-111319-12

Date Sampled: 05/01/2016 1452

Client Matrix: Water

Date Received: 05/09/2016 1030

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Analysis Method: 200.7 Rev 4.4	Analysis Batch: 500-334919	Instrument ID: ICP8
Prep Method: 200.7	Prep Batch: 500-334709	Lab File ID: P8051016AA.asc
Dilution: 1.0		Initial Weight/Volume: 50 mL
Analysis Date: 05/10/2016 1839		Final Weight/Volume: 25 mL
Prep Date: 05/10/2016 0840		

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.075		0.0025	0.0050

Analytical Data

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Client Sample ID: MW102M

Lab Sample ID: 500-111319-13

Date Sampled: 05/01/2016 1451

Client Matrix: Water

Date Received: 05/09/2016 1030

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Analysis Method: 200.7 Rev 4.4	Analysis Batch: 500-334919	Instrument ID: ICP8
Prep Method: 200.7	Prep Batch: 500-334709	Lab File ID: P8051016AA.asc
Dilution: 1.0		Initial Weight/Volume: 50 mL
Analysis Date: 05/10/2016 1843		Final Weight/Volume: 25 mL
Prep Date: 05/10/2016 0840		

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.0097		0.0025	0.0050

Analytical Data

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Client Sample ID: MW102D

Lab Sample ID: 500-111319-14

Date Sampled: 05/01/2016 1453

Client Matrix: Water

Date Received: 05/09/2016 1030

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Analysis Method:	200.7 Rev 4.4	Analysis Batch:	500-334919	Instrument ID:	ICP8
Prep Method:	200.7	Prep Batch:	500-334709	Lab File ID:	P8051016AA.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/10/2016 1847			Final Weight/Volume:	25 mL
Prep Date:	05/10/2016 0840				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.19		0.0025	0.0050

Analytical Data

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Client Sample ID: MW102D/D

Lab Sample ID: 500-111319-15

Date Sampled: 05/01/2016 1454

Client Matrix: Water

Date Received: 05/09/2016 1030

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Analysis Method:	200.7 Rev 4.4	Analysis Batch:	500-334919	Instrument ID:	ICP8
Prep Method:	200.7	Prep Batch:	500-334709	Lab File ID:	P8051016AA.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/10/2016 1852			Final Weight/Volume:	25 mL
Prep Date:	05/10/2016 0840				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.19		0.0025	0.0050

Analytical Data

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Client Sample ID: MW105S

Lab Sample ID: 500-111319-16

Date Sampled: 05/01/2016 1144

Client Matrix: Water

Date Received: 05/09/2016 1030

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Analysis Method:	200.7 Rev 4.4	Analysis Batch:	500-334919	Instrument ID:	ICP8
Prep Method:	200.7	Prep Batch:	500-334709	Lab File ID:	P8051016AA.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/10/2016 1856			Final Weight/Volume:	25 mL
Prep Date:	05/10/2016 0840				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.29		0.0025	0.0050

Analytical Data

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Client Sample ID: MW105M

Lab Sample ID: 500-111319-17

Date Sampled: 05/01/2016 1522

Client Matrix: Water

Date Received: 05/09/2016 1030

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Analysis Method:	200.7 Rev 4.4	Analysis Batch:	500-334919	Instrument ID:	ICP8
Prep Method:	200.7	Prep Batch:	500-334709	Lab File ID:	P8051016AA.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/10/2016 1910			Final Weight/Volume:	25 mL
Prep Date:	05/10/2016 0840				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.0047	J	0.0025	0.0050

Analytical Data

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Client Sample ID: MW105D

Lab Sample ID: 500-111319-18

Date Sampled: 05/01/2016 1518

Client Matrix: Water

Date Received: 05/09/2016 1030

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Analysis Method: 200.7 Rev 4.4

Analysis Batch: 500-335323

Instrument ID: ICP8

Prep Method: 200.7

Prep Batch: 500-334710

Lab File ID: P8051216B.asc

Dilution: 1.0

Initial Weight/Volume: 50 mL

Analysis Date: 05/12/2016 2013

Final Weight/Volume: 25 mL

Prep Date: 05/10/2016 0842

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.0092		0.0025	0.0050

Analytical Data

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Client Sample ID: MW041S

Lab Sample ID: 500-111319-19

Date Sampled: 05/02/2016 1502

Client Matrix: Water

Date Received: 05/09/2016 1030

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Analysis Method:	200.7 Rev 4.4	Analysis Batch:	500-335323	Instrument ID:	ICP8
Prep Method:	200.7	Prep Batch:	500-334710	Lab File ID:	P8051216B.asc
Dilution:	5.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/12/2016 2018			Final Weight/Volume:	25 mL
Prep Date:	05/10/2016 0842				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	22		0.012	0.025

Analytical Data

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Client Sample ID: MW041M

Lab Sample ID: 500-111319-20

Date Sampled: 05/02/2016 1459

Client Matrix: Water

Date Received: 05/09/2016 1030

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Analysis Method:	200.7 Rev 4.4	Analysis Batch:	500-335477	Instrument ID:	ICP6
Prep Method:	200.7	Prep Batch:	500-334710	Lab File ID:	P6051316B.asc
Dilution:	500			Initial Weight/Volume:	50 mL
Analysis Date:	05/13/2016 2317			Final Weight/Volume:	25 mL
Prep Date:	05/10/2016 0842				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	1400		1.2	2.5

Analytical Data

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Client Sample ID: MW047S

Lab Sample ID: 500-111319-21

Date Sampled: 05/02/2016 0952

Client Matrix: Water

Date Received: 05/09/2016 1030

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Analysis Method:	200.7 Rev 4.4	Analysis Batch:	500-335323	Instrument ID:	ICP8
Prep Method:	200.7	Prep Batch:	500-334710	Lab File ID:	P8051216B.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/12/2016 2050			Final Weight/Volume:	25 mL
Prep Date:	05/10/2016 0842				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.097		0.0025	0.0050

Analytical Data

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Client Sample ID: MW047M

Lab Sample ID: 500-111319-22

Date Sampled: 05/02/2016 0956

Client Matrix: Water

Date Received: 05/09/2016 1030

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Analysis Method:	200.7 Rev 4.4	Analysis Batch:	500-335323	Instrument ID:	ICP8
Prep Method:	200.7	Prep Batch:	500-334710	Lab File ID:	P8051216B.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/12/2016 2103			Final Weight/Volume:	25 mL
Prep Date:	05/10/2016 0842				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	1.3		0.0025	0.0050

Analytical Data

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Client Sample ID: MW047D

Lab Sample ID: 500-111319-23

Date Sampled: 05/02/2016 1008

Client Matrix: Water

Date Received: 05/09/2016 1030

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Analysis Method:	200.7 Rev 4.4	Analysis Batch:	500-335323	Instrument ID:	ICP8
Prep Method:	200.7	Prep Batch:	500-334710	Lab File ID:	P8051216B.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/12/2016 2107			Final Weight/Volume:	25 mL
Prep Date:	05/10/2016 0842				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.26		0.0025	0.0050

Analytical Data

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Client Sample ID: MW100S

Lab Sample ID: 500-111319-24

Date Sampled: 05/02/2016 0904

Client Matrix: Water

Date Received: 05/09/2016 1030

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Analysis Method: 200.7 Rev 4.4

Analysis Batch: 500-335323

Instrument ID: ICP8

Prep Method: 200.7

Prep Batch: 500-334710

Lab File ID: P8051216B.asc

Dilution: 1.0

Initial Weight/Volume: 50 mL

Analysis Date: 05/12/2016 2112

Final Weight/Volume: 25 mL

Prep Date: 05/10/2016 0842

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.076		0.0025	0.0050

Analytical Data

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Client Sample ID: MW100M

Lab Sample ID: 500-111319-25

Date Sampled: 05/02/2016 0852

Client Matrix: Water

Date Received: 05/09/2016 1030

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Analysis Method:	200.7 Rev 4.4	Analysis Batch:	500-335323	Instrument ID:	ICP8
Prep Method:	200.7	Prep Batch:	500-334710	Lab File ID:	P8051216B.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/12/2016 2133			Final Weight/Volume:	25 mL
Prep Date:	05/10/2016 0842				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.0043	J	0.0025	0.0050

Analytical Data

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Client Sample ID: MW100D

Lab Sample ID: 500-111319-26

Date Sampled: 05/02/2016 0850

Client Matrix: Water

Date Received: 05/09/2016 1030

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Analysis Method:	200.7 Rev 4.4	Analysis Batch:	500-335323	Instrument ID:	ICP8
Prep Method:	200.7	Prep Batch:	500-334710	Lab File ID:	P8051216B.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/12/2016 2138			Final Weight/Volume:	25 mL
Prep Date:	05/10/2016 0842				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.22		0.0025	0.0050

Analytical Data

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Client Sample ID: MW103S

Lab Sample ID: 500-111319-27

Date Sampled: 05/02/2016 1206

Client Matrix: Water

Date Received: 05/09/2016 1030

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Analysis Method: 200.7 Rev 4.4	Analysis Batch: 500-335323	Instrument ID: ICP8
Prep Method: 200.7	Prep Batch: 500-334710	Lab File ID: P8051216B.asc
Dilution: 1.0		Initial Weight/Volume: 50 mL
Analysis Date: 05/12/2016 2144		Final Weight/Volume: 25 mL
Prep Date: 05/10/2016 0842		

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.048		0.0025	0.0050

Analytical Data

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Client Sample ID: MW103M

Lab Sample ID: 500-111319-28

Date Sampled: 05/02/2016 1206

Client Matrix: Water

Date Received: 05/09/2016 1030

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Analysis Method: 200.7 Rev 4.4

Analysis Batch: 500-335323

Instrument ID: ICP8

Prep Method: 200.7

Prep Batch: 500-334710

Lab File ID: P8051216B.asc

Dilution: 1.0

Initial Weight/Volume: 50 mL

Analysis Date: 05/12/2016 2158

Final Weight/Volume: 25 mL

Prep Date: 05/10/2016 0842

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.016		0.0025	0.0050

Analytical Data

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Client Sample ID: MW104S

Lab Sample ID: 500-111319-29

Date Sampled: 05/02/2016 1416

Client Matrix: Water

Date Received: 05/09/2016 1030

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Analysis Method:	200.7 Rev 4.4	Analysis Batch:	500-335323	Instrument ID:	ICP8
Prep Method:	200.7	Prep Batch:	500-334710	Lab File ID:	P8051216B.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/12/2016 2202			Final Weight/Volume:	25 mL
Prep Date:	05/10/2016 0842				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.0063		0.0025	0.0050

Analytical Data

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Client Sample ID: MW104M

Lab Sample ID: 500-111319-30

Date Sampled: 05/02/2016 1405

Client Matrix: Water

Date Received: 05/09/2016 1030

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Analysis Method:	200.7 Rev 4.4	Analysis Batch:	500-335323	Instrument ID:	ICP8
Prep Method:	200.7	Prep Batch:	500-334710	Lab File ID:	P8051216B.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/12/2016 2206			Final Weight/Volume:	25 mL
Prep Date:	05/10/2016 0842				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.0050		0.0025	0.0050

Quality Control Results

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Method Blank - Batch: 500-334709

Lab Sample ID: MB 500-334709/1-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 05/10/2016 1609
 Prep Date: 05/10/2016 0840
 Leach Date: N/A

Analysis Batch: 500-334919
 Prep Batch: 500-334709
 Leach Batch: N/A
 Units: mg/L

Method: 200.7 Rev 4.4
Preparation: 200.7
Total Recoverable
 Instrument ID: ICP8
 Lab File ID: P8051016AA.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 25 mL

Analyte	Result	Qual	MDL	RL
Arsenic	<0.0025		0.0025	0.0050

Lab Control Sample - Batch: 500-334709

Lab Sample ID: LCS 500-334709/2-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 05/10/2016 1613
 Prep Date: 05/10/2016 0840
 Leach Date: N/A

Analysis Batch: 500-334919
 Prep Batch: 500-334709
 Leach Batch: N/A
 Units: mg/L

Method: 200.7 Rev 4.4
Preparation: 200.7
Total Recoverable
 Instrument ID: ICP8
 Lab File ID: P8051016AA.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	0.0500	0.0512	102	85 - 115	

Quality Control Results

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Method Blank - Batch: 500-334710

Lab Sample ID: MB 500-334710/1-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 05/12/2016 2004
 Prep Date: 05/10/2016 0842
 Leach Date: N/A

Analysis Batch: 500-335323
 Prep Batch: 500-334710
 Leach Batch: N/A
 Units: mg/L

**Method: 200.7 Rev 4.4
 Preparation: 200.7
 Total Recoverable**

Instrument ID: ICP8
 Lab File ID: P8051216B.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 25 mL

Analyte	Result	Qual	MDL	RL
Arsenic	<0.0025		0.0025	0.0050

Lab Control Sample - Batch: 500-334710

Lab Sample ID: LCS 500-334710/2-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 05/12/2016 2008
 Prep Date: 05/10/2016 0842
 Leach Date: N/A

Analysis Batch: 500-335323
 Prep Batch: 500-334710
 Leach Batch: N/A
 Units: mg/L

**Method: 200.7 Rev 4.4
 Preparation: 200.7
 Total Recoverable**

Instrument ID: ICP8
 Lab File ID: P8051216B.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	0.0500	0.0505	101	85 - 115	

Quality Control Results

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 500-334710**

**Method: 200.7 Rev 4.4
Preparation: 200.7
Total Recoverable**

MS Lab Sample ID: 500-111319-19
Client Matrix: Water
Dilution: 5.0
Analysis Date: 05/12/2016 2033
Prep Date: 05/10/2016 0842
Leach Date: N/A

Analysis Batch: 500-335323
Prep Batch: 500-334710
Leach Batch: N/A

Instrument ID: ICP8
Lab File ID: P8051216B.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 25 mL

MSD Lab Sample ID: 500-111319-19
Client Matrix: Water
Dilution: 5.0
Analysis Date: 05/12/2016 2038
Prep Date: 05/10/2016 0842
Leach Date: N/A

Analysis Batch: 500-335323
Prep Batch: 500-334710
Leach Batch: N/A

Instrument ID: ICP8
Lab File ID: P8051216B.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 25 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	-2876	-2653	70 - 130	1	20	4	4

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 500-334710**

**Method: 200.7 Rev 4.4
Preparation: 200.7
Total Recoverable**

MS Lab Sample ID: 500-111319-24
Client Matrix: Water
Dilution: 1.0
Analysis Date: 05/12/2016 2125
Prep Date: 05/10/2016 0842
Leach Date: N/A

Analysis Batch: 500-335323
Prep Batch: 500-334710
Leach Batch: N/A

Instrument ID: ICP8
Lab File ID: P8051216B.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 25 mL

MSD Lab Sample ID: 500-111319-24
Client Matrix: Water
Dilution: 1.0
Analysis Date: 05/12/2016 2129
Prep Date: 05/10/2016 0842
Leach Date: N/A

Analysis Batch: 500-335323
Prep Batch: 500-334710
Leach Batch: N/A

Instrument ID: ICP8
Lab File ID: P8051216B.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 25 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Arsenic	119	106	70 - 130	5	20		

Quality Control Results

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 500-334710**

**Method: 200.7 Rev 4.4
Preparation: 200.7
Total Recoverable**

MS Lab Sample ID: 500-111319-19 Units: mg/L
Client Matrix: Water
Dilution: 5.0
Analysis Date: 05/12/2016 2033
Prep Date: 05/10/2016 0842
Leach Date: N/A

MSD Lab Sample ID: 500-111319-19
Client Matrix: Water
Dilution: 5.0
Analysis Date: 05/12/2016 2038
Prep Date: 05/10/2016 0842
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Arsenic	22	0.0500	0.0500	20.8 4	20.9 4

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 500-334710**

**Method: 200.7 Rev 4.4
Preparation: 200.7
Total Recoverable**

MS Lab Sample ID: 500-111319-24 Units: mg/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 05/12/2016 2125
Prep Date: 05/10/2016 0842
Leach Date: N/A

MSD Lab Sample ID: 500-111319-24
Client Matrix: Water
Dilution: 1.0
Analysis Date: 05/12/2016 2129
Prep Date: 05/10/2016 0842
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Arsenic	0.076	0.0500	0.0500	0.136	0.129

Quality Control Results

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Serial Dilution - Batch: 500-334710

Method: 200.7 Rev 4.4
Preparation: 200.7
Total Recoverable

Lab Sample ID: 500-111319-19
 Client Matrix: Water
 Dilution: 25
 Analysis Date: 05/12/2016 2023
 Prep Date: 05/10/2016 0842
 Leach Date: N/A

Analysis Batch: 500-335323
 Prep Batch: 500-334710
 Leach Batch: N/A
 Units: mg/L

Instrument ID: ICP8
 Lab File ID: P8051216B.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 25 mL

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Arsenic	22	20.8	6.7	10	

Duplicate - Batch: 500-334710

Method: 200.7 Rev 4.4
Preparation: 200.7
Total Recoverable

Lab Sample ID: 500-111319-19
 Client Matrix: Water
 Dilution: 5.0
 Analysis Date: 05/12/2016 2028
 Prep Date: 05/10/2016 0842
 Leach Date: N/A

Analysis Batch: 500-335323
 Prep Batch: 500-334710
 Leach Batch: N/A
 Units: mg/L

Instrument ID: ICP8
 Lab File ID: P8051216B.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 25 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	22	22.6	1	20	

Serial Dilution - Batch: 500-334710

Method: 200.7 Rev 4.4
Preparation: 200.7
Total Recoverable

Lab Sample ID: 500-111319-24
 Client Matrix: Water
 Dilution: 5.0
 Analysis Date: 05/12/2016 2116
 Prep Date: 05/10/2016 0842
 Leach Date: N/A

Analysis Batch: 500-335323
 Prep Batch: 500-334710
 Leach Batch: N/A
 Units: mg/L

Instrument ID: ICP8
 Lab File ID: P8051216B.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 25 mL

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Arsenic	0.076	0.0764	NC	10	

Quality Control Results

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Duplicate - Batch: 500-334710

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

Lab Sample ID: 500-111319-24
Client Matrix: Water
Dilution: 1.0
Analysis Date: 05/12/2016 2120
Prep Date: 05/10/2016 0842
Leach Date: N/A

Analysis Batch: 500-335323
Prep Batch: 500-334710
Leach Batch: N/A
Units: mg/L

Instrument ID: ICP8
Lab File ID: P8051216B.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 25 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Arsenic	0.076	0.0748	2	20	

DATA REPORTING QUALIFIERS

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Lab Section	Qualifier	Description
Metals		
	4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Quality Control Results

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 500-334709					
LCS 500-334709/2-A	Lab Control Sample	R	Water	200.7	
MB 500-334709/1-A	Method Blank	R	Water	200.7	
500-111319-1	MW021S	R	Water	200.7	
500-111319-2	MW021M	R	Water	200.7	
500-111319-3	MW040S	R	Water	200.7	
500-111319-4	MW040M	R	Water	200.7	
500-111319-5	MW040D	R	Water	200.7	
500-111319-6	MW040S/D	R	Water	200.7	
500-111319-7	MW064S	R	Water	200.7	
500-111319-8	MW064M	R	Water	200.7	
500-111319-9	MW064D	R	Water	200.7	
500-111319-10	MW101S	R	Water	200.7	
500-111319-11	MW101M	R	Water	200.7	
500-111319-12	MW102S	R	Water	200.7	
500-111319-13	MW102M	R	Water	200.7	
500-111319-14	MW102D	R	Water	200.7	
500-111319-15	MW102D/D	R	Water	200.7	
500-111319-16	MW105S	R	Water	200.7	
500-111319-17	MW105M	R	Water	200.7	
Prep Batch: 500-334710					
LCS 500-334710/2-A	Lab Control Sample	R	Water	200.7	
MB 500-334710/1-A	Method Blank	R	Water	200.7	
500-111319-18	MW105D	R	Water	200.7	
500-111319-19	MW041S	R	Water	200.7	
500-111319-19DU	Duplicate	R	Water	200.7	
500-111319-19MS	Matrix Spike	R	Water	200.7	
500-111319-19MSD	Matrix Spike Duplicate	R	Water	200.7	
500-111319-20	MW041M	R	Water	200.7	
500-111319-21	MW047S	R	Water	200.7	
500-111319-22	MW047M	R	Water	200.7	
500-111319-23	MW047D	R	Water	200.7	
500-111319-24	MW100S	R	Water	200.7	
500-111319-24DU	Duplicate	R	Water	200.7	
500-111319-24MS	Matrix Spike	R	Water	200.7	
500-111319-24MSD	Matrix Spike Duplicate	R	Water	200.7	
500-111319-25	MW100M	R	Water	200.7	
500-111319-26	MW100D	R	Water	200.7	
500-111319-27	MW103S	R	Water	200.7	
500-111319-28	MW103M	R	Water	200.7	
500-111319-29	MW104S	R	Water	200.7	
500-111319-30	MW104M	R	Water	200.7	

Quality Control Results

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:500-334919					
LCS 500-334709/2-A	Lab Control Sample	R	Water	200.7 Rev 4.4	500-334709
MB 500-334709/1-A	Method Blank	R	Water	200.7 Rev 4.4	500-334709
500-111319-1	MW021S	R	Water	200.7 Rev 4.4	500-334709
500-111319-2	MW021M	R	Water	200.7 Rev 4.4	500-334709
500-111319-3	MW040S	R	Water	200.7 Rev 4.4	500-334709
500-111319-4	MW040M	R	Water	200.7 Rev 4.4	500-334709
500-111319-5	MW040D	R	Water	200.7 Rev 4.4	500-334709
500-111319-6	MW040S/D	R	Water	200.7 Rev 4.4	500-334709
500-111319-7	MW064S	R	Water	200.7 Rev 4.4	500-334709
500-111319-8	MW064M	R	Water	200.7 Rev 4.4	500-334709
500-111319-9	MW064D	R	Water	200.7 Rev 4.4	500-334709
500-111319-10	MW101S	R	Water	200.7 Rev 4.4	500-334709
500-111319-11	MW101M	R	Water	200.7 Rev 4.4	500-334709
500-111319-12	MW102S	R	Water	200.7 Rev 4.4	500-334709
500-111319-13	MW102M	R	Water	200.7 Rev 4.4	500-334709
500-111319-14	MW102D	R	Water	200.7 Rev 4.4	500-334709
500-111319-15	MW102D/D	R	Water	200.7 Rev 4.4	500-334709
500-111319-16	MW105S	R	Water	200.7 Rev 4.4	500-334709
500-111319-17	MW105M	R	Water	200.7 Rev 4.4	500-334709
Analysis Batch:500-335323					
LCS 500-334710/2-A	Lab Control Sample	R	Water	200.7 Rev 4.4	500-334710
MB 500-334710/1-A	Method Blank	R	Water	200.7 Rev 4.4	500-334710
500-111319-18	MW105D	R	Water	200.7 Rev 4.4	500-334710
500-111319-19	MW041S	R	Water	200.7 Rev 4.4	500-334710
500-111319-19DU	Duplicate	R	Water	200.7 Rev 4.4	500-334710
500-111319-19MS	Matrix Spike	R	Water	200.7 Rev 4.4	500-334710
500-111319-19MSD	Matrix Spike Duplicate	R	Water	200.7 Rev 4.4	500-334710
500-111319-20	MW041M	R	Water	200.7 Rev 4.4	500-334710
500-111319-21	MW047S	R	Water	200.7 Rev 4.4	500-334710
500-111319-22	MW047M	R	Water	200.7 Rev 4.4	500-334710
500-111319-23	MW047D	R	Water	200.7 Rev 4.4	500-334710
500-111319-24	MW100S	R	Water	200.7 Rev 4.4	500-334710
500-111319-24DU	Duplicate	R	Water	200.7 Rev 4.4	500-334710
500-111319-24MS	Matrix Spike	R	Water	200.7 Rev 4.4	500-334710
500-111319-24MSD	Matrix Spike Duplicate	R	Water	200.7 Rev 4.4	500-334710
500-111319-25	MW100M	R	Water	200.7 Rev 4.4	500-334710
500-111319-26	MW100D	R	Water	200.7 Rev 4.4	500-334710
500-111319-27	MW103S	R	Water	200.7 Rev 4.4	500-334710
500-111319-28	MW103M	R	Water	200.7 Rev 4.4	500-334710
500-111319-29	MW104S	R	Water	200.7 Rev 4.4	500-334710
500-111319-30	MW104M	R	Water	200.7 Rev 4.4	500-334710
Analysis Batch:500-335477					
500-111319-20	MW041M	R	Water	200.7 Rev 4.4	500-334710

TestAmerica Chicago

Quality Control Results

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
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Report Basis

R = Total Recoverable

Quality Control Results

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Laboratory Chronicle

Lab ID: 500-111319-1

Client ID: MW021S

Sample Date/Time: 05/01/2016 08:31 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-1-A		500-334919	500-334709	05/10/2016 08:40	1	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-1-A		500-334919	500-334709	05/10/2016 17:38	1	TAL CHI	PJ1

Lab ID: 500-111319-2

Client ID: MW021M

Sample Date/Time: 05/01/2016 08:33 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-2-A		500-334919	500-334709	05/10/2016 08:40	1	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-2-A		500-334919	500-334709	05/10/2016 17:42	1	TAL CHI	PJ1

Lab ID: 500-111319-3

Client ID: MW040S

Sample Date/Time: 05/01/2016 10:26 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-3-A		500-334919	500-334709	05/10/2016 08:40	1	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-3-A		500-334919	500-334709	05/10/2016 17:47	1	TAL CHI	PJ1

Lab ID: 500-111319-4

Client ID: MW040M

Sample Date/Time: 05/01/2016 10:25 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-4-A		500-334919	500-334709	05/10/2016 08:40	1	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-4-A		500-334919	500-334709	05/10/2016 17:51	1	TAL CHI	PJ1

Lab ID: 500-111319-5

Client ID: MW040D

Sample Date/Time: 05/01/2016 10:23 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-5-A		500-334919	500-334709	05/10/2016 08:40	1	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-5-A		500-334919	500-334709	05/10/2016 17:56	1	TAL CHI	PJ1

Lab ID: 500-111319-6

Client ID: MW040S/D

Sample Date/Time: 05/01/2016 10:27 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-6-A		500-334919	500-334709	05/10/2016 08:40	1	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-6-A		500-334919	500-334709	05/10/2016 18:02	1	TAL CHI	PJ1

Quality Control Results

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Laboratory Chronicle

Lab ID: 500-111319-7

Client ID: MW064S

Sample Date/Time: 05/01/2016 14:00 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-7-A		500-334919	500-334709	05/10/2016 08:40	1	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-7-A		500-334919	500-334709	05/10/2016 18:15	1	TAL CHI	PJ1

Lab ID: 500-111319-8

Client ID: MW064M

Sample Date/Time: 05/01/2016 13:59 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-8-A		500-334919	500-334709	05/10/2016 08:40	1	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-8-A		500-334919	500-334709	05/10/2016 18:19	1	TAL CHI	PJ1

Lab ID: 500-111319-9

Client ID: MW064D

Sample Date/Time: 05/01/2016 14:02 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-9-A		500-334919	500-334709	05/10/2016 08:40	1	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-9-A		500-334919	500-334709	05/10/2016 18:24	1	TAL CHI	PJ1

Lab ID: 500-111319-10

Client ID: MW101S

Sample Date/Time: 05/01/2016 09:29 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-10-A		500-334919	500-334709	05/10/2016 08:40	1	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-10-A		500-334919	500-334709	05/10/2016 18:30	1	TAL CHI	PJ1

Lab ID: 500-111319-11

Client ID: MW101M

Sample Date/Time: 05/01/2016 09:15 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-11-A		500-334919	500-334709	05/10/2016 08:40	1	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-11-A		500-334919	500-334709	05/10/2016 18:35	1	TAL CHI	PJ1

Lab ID: 500-111319-12

Client ID: MW102S

Sample Date/Time: 05/01/2016 14:52 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-12-A		500-334919	500-334709	05/10/2016 08:40	1	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-12-A		500-334919	500-334709	05/10/2016 18:39	1	TAL CHI	PJ1

Quality Control Results

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Laboratory Chronicle

Lab ID: 500-111319-13

Client ID: MW102M

Sample Date/Time: 05/01/2016 14:51 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-13-A		500-334919	500-334709	05/10/2016 08:40	1	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-13-A		500-334919	500-334709	05/10/2016 18:43	1	TAL CHI	PJ1

Lab ID: 500-111319-14

Client ID: MW102D

Sample Date/Time: 05/01/2016 14:53 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-14-A		500-334919	500-334709	05/10/2016 08:40	1	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-14-A		500-334919	500-334709	05/10/2016 18:47	1	TAL CHI	PJ1

Lab ID: 500-111319-15

Client ID: MW102D/D

Sample Date/Time: 05/01/2016 14:54 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-15-A		500-334919	500-334709	05/10/2016 08:40	1	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-15-A		500-334919	500-334709	05/10/2016 18:52	1	TAL CHI	PJ1

Lab ID: 500-111319-16

Client ID: MW105S

Sample Date/Time: 05/01/2016 11:44 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-16-A		500-334919	500-334709	05/10/2016 08:40	1	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-16-A		500-334919	500-334709	05/10/2016 18:56	1	TAL CHI	PJ1

Lab ID: 500-111319-17

Client ID: MW105M

Sample Date/Time: 05/01/2016 15:22 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-17-A		500-334919	500-334709	05/10/2016 08:40	1	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-17-A		500-334919	500-334709	05/10/2016 19:10	1	TAL CHI	PJ1

Lab ID: 500-111319-18

Client ID: MW105D

Sample Date/Time: 05/01/2016 15:18 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-18-A		500-335323	500-334710	05/10/2016 08:42	1	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-18-A		500-335323	500-334710	05/12/2016 20:13	1	TAL CHI	KML

Quality Control Results

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Laboratory Chronicle

Lab ID: 500-111319-19

Client ID: MW041S

Sample Date/Time: 05/02/2016 15:02 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-19-A ^5		500-335323	500-334710	05/10/2016 08:42	5	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-19-A ^5		500-335323	500-334710	05/12/2016 20:18	5	TAL CHI	KML

Lab ID: 500-111319-19

Client ID: MW041S

Sample Date/Time: 05/02/2016 15:02 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-19-C MS ^5		500-335323	500-334710	05/10/2016 08:42	5	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-19-C MS ^5		500-335323	500-334710	05/12/2016 20:33	5	TAL CHI	KML

Lab ID: 500-111319-19

Client ID: MW041S

Sample Date/Time: 05/02/2016 15:02 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-19-D MSD ^5		500-335323	500-334710	05/10/2016 08:42	5	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-19-D MSD ^5		500-335323	500-334710	05/12/2016 20:38	5	TAL CHI	KML

Lab ID: 500-111319-19 DU

Client ID: MW041S

Sample Date/Time: 05/02/2016 15:02 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-19-B DU ^5		500-335323	500-334710	05/10/2016 08:42	5	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-19-B DU ^5		500-335323	500-334710	05/12/2016 20:28	5	TAL CHI	KML

Lab ID: 500-111319-19 SD

Client ID: MW041S

Sample Date/Time: 05/02/2016 15:02 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-19-A SD ^25		500-335323	500-334710	05/10/2016 08:42	25	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-19-A SD ^25		500-335323	500-334710	05/12/2016 20:23	25	TAL CHI	KML

Quality Control Results

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Laboratory Chronicle

Lab ID: 500-111319-20

Client ID: MW041M

Sample Date/Time: 05/02/2016 14:59 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-20-A ^500		500-335477	500-334710	05/10/2016 08:42	500	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-20-A ^500		500-335477	500-334710	05/13/2016 23:17	500	TAL CHI	KML

Lab ID: 500-111319-21

Client ID: MW047S

Sample Date/Time: 05/02/2016 09:52 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-21-A		500-335323	500-334710	05/10/2016 08:42	1	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-21-A		500-335323	500-334710	05/12/2016 20:50	1	TAL CHI	KML

Lab ID: 500-111319-22

Client ID: MW047M

Sample Date/Time: 05/02/2016 09:56 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-22-A		500-335323	500-334710	05/10/2016 08:42	1	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-22-A		500-335323	500-334710	05/12/2016 21:03	1	TAL CHI	KML

Lab ID: 500-111319-23

Client ID: MW047D

Sample Date/Time: 05/02/2016 10:08 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-23-A		500-335323	500-334710	05/10/2016 08:42	1	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-23-A		500-335323	500-334710	05/12/2016 21:07	1	TAL CHI	KML

Lab ID: 500-111319-24

Client ID: MW100S

Sample Date/Time: 05/02/2016 09:04 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-24-A		500-335323	500-334710	05/10/2016 08:42	1	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-24-A		500-335323	500-334710	05/12/2016 21:12	1	TAL CHI	KML

Quality Control Results

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Laboratory Chronicle

Lab ID: 500-111319-24

Client ID: MW100S

Sample Date/Time: 05/02/2016 09:04 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-24-C MS		500-335323	500-334710	05/10/2016 08:42	1	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-24-C MS		500-335323	500-334710	05/12/2016 21:25	1	TAL CHI	KML

Lab ID: 500-111319-24

Client ID: MW100S

Sample Date/Time: 05/02/2016 09:04 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-24-D MSD		500-335323	500-334710	05/10/2016 08:42	1	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-24-D MSD		500-335323	500-334710	05/12/2016 21:29	1	TAL CHI	KML

Lab ID: 500-111319-24 DU

Client ID: MW100S

Sample Date/Time: 05/02/2016 09:04 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-24-B DU		500-335323	500-334710	05/10/2016 08:42	1	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-24-B DU		500-335323	500-334710	05/12/2016 21:20	1	TAL CHI	KML

Lab ID: 500-111319-24 SD

Client ID: MW100S

Sample Date/Time: 05/02/2016 09:04 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-24-A SD ^5		500-335323	500-334710	05/10/2016 08:42	5	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-24-A SD ^5		500-335323	500-334710	05/12/2016 21:16	5	TAL CHI	KML

Lab ID: 500-111319-25

Client ID: MW100M

Sample Date/Time: 05/02/2016 08:52 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-25-A		500-335323	500-334710	05/10/2016 08:42	1	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-25-A		500-335323	500-334710	05/12/2016 21:33	1	TAL CHI	KML

Quality Control Results

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Laboratory Chronicle

Lab ID: 500-111319-26

Client ID: MW100D

Sample Date/Time: 05/02/2016 08:50 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-26-A		500-335323	500-334710	05/10/2016 08:42	1	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-26-A		500-335323	500-334710	05/12/2016 21:38	1	TAL CHI	KML

Lab ID: 500-111319-27

Client ID: MW103S

Sample Date/Time: 05/02/2016 12:06 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-27-A		500-335323	500-334710	05/10/2016 08:42	1	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-27-A		500-335323	500-334710	05/12/2016 21:44	1	TAL CHI	KML

Lab ID: 500-111319-28

Client ID: MW103M

Sample Date/Time: 05/02/2016 12:06 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-28-A		500-335323	500-334710	05/10/2016 08:42	1	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-28-A		500-335323	500-334710	05/12/2016 21:58	1	TAL CHI	KML

Lab ID: 500-111319-29

Client ID: MW104S

Sample Date/Time: 05/02/2016 14:16 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-29-A		500-335323	500-334710	05/10/2016 08:42	1	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-29-A		500-335323	500-334710	05/12/2016 22:02	1	TAL CHI	KML

Lab ID: 500-111319-30

Client ID: MW104M

Sample Date/Time: 05/02/2016 14:05 Received Date/Time: 05/09/2016 10:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	500-111319-A-30-A		500-335323	500-334710	05/10/2016 08:42	1	TAL CHI	JEF
A:200.7 Rev 4.4	500-111319-A-30-A		500-335323	500-334710	05/12/2016 22:06	1	TAL CHI	KML

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	MB 500-334709/1-A		500-334919	500-334709	05/10/2016 08:40	1	TAL CHI	JEF
A:200.7 Rev 4.4	MB 500-334709/1-A		500-334919	500-334709	05/10/2016 16:09	1	TAL CHI	PJ1
P:200.7	MB 500-334710/1-A		500-335323	500-334710	05/10/2016 08:42	1	TAL CHI	JEF
A:200.7 Rev 4.4	MB 500-334710/1-A		500-335323	500-334710	05/12/2016 20:04	1	TAL CHI	KML

Quality Control Results

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Laboratory Chronicle

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	LCS 500-334709/2-A		500-334919	500-334709	05/10/2016 08:40	1	TAL CHI	JEF
A:200.7 Rev 4.4	LCS 500-334709/2-A		500-334919	500-334709	05/10/2016 16:13	1	TAL CHI	PJ1
P:200.7	LCS 500-334710/2-A		500-335323	500-334710	05/10/2016 08:42	1	TAL CHI	JEF
A:200.7 Rev 4.4	LCS 500-334710/2-A		500-335323	500-334710	05/12/2016 20:08	1	TAL CHI	KML

Lab References:

TAL CHI = TestAmerica Chicago

Certification Summary

Client: Tyco Fire Protection Products
 Project/Site: Barrier Wall Monitoring

TestAmerica Job ID: 500-111319-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Chicago	California	State Program	9	2903
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Georgia	State Program	4	N/A
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAP	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAP	7	E-10161
TestAmerica Chicago	Kentucky (UST)	State Program	4	66
TestAmerica Chicago	Kentucky (WW)	State Program	4	KY90023
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	New York	NELAP	2	12019
TestAmerica Chicago	North Carolina (WW/SW)	State Program	4	291
TestAmerica Chicago	North Dakota	State Program	8	R-194
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	USDA	Federal		P330-15-00038
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Chicago

Job Number: 500-111319-1

SDG No.: _____

Project: Barrier Wall Monitoring

Client Sample ID	Lab Sample ID
MW021S	500-111319-1
MW021M	500-111319-2
MW040S	500-111319-3
MW040M	500-111319-4
MW040D	500-111319-5
MW040S/D	500-111319-6
MW064S	500-111319-7
MW064M	500-111319-8
MW064D	500-111319-9
MW101S	500-111319-10
MW101M	500-111319-11
MW102S	500-111319-12
MW102M	500-111319-13
MW102D	500-111319-14
MW102D/D	500-111319-15
MW105S	500-111319-16
MW105M	500-111319-17
MW105D	500-111319-18
MW041S	500-111319-19
MW041M	500-111319-20
MW047S	500-111319-21
MW047M	500-111319-22
MW047D	500-111319-23
MW100S	500-111319-24
MW100M	500-111319-25
MW100D	500-111319-26
MW103S	500-111319-27
MW103M	500-111319-28
MW104S	500-111319-29
MW104M	500-111319-30

Comments:

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TOTAL RECOVERABLE

Client Sample ID: MW021S

Lab Sample ID: 500-111319-1

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG ID.:

Matrix: Water

Date Sampled: 05/01/2016 08:31

Reporting Basis: WET

Date Received: 05/09/2016 10:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.060	0.0050	0.0025	mg/L			1	200.7 Rev 4.4

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TOTAL RECOVERABLE

Client Sample ID: MW021M

Lab Sample ID: 500-111319-2

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG ID.:

Matrix: Water

Date Sampled: 05/01/2016 08:33

Reporting Basis: WET

Date Received: 05/09/2016 10:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0048	0.0050	0.0025	mg/L	J		1	200.7 Rev 4.4

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TOTAL RECOVERABLE

Client Sample ID: MW040S

Lab Sample ID: 500-111319-3

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG ID.:

Matrix: Water

Date Sampled: 05/01/2016 10:26

Reporting Basis: WET

Date Received: 05/09/2016 10:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.046	0.0050	0.0025	mg/L			1	200.7 Rev 4.4

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TOTAL RECOVERABLE

Client Sample ID: MW040M

Lab Sample ID: 500-111319-4

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG ID.:

Matrix: Water

Date Sampled: 05/01/2016 10:25

Reporting Basis: WET

Date Received: 05/09/2016 10:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.25	0.0050	0.0025	mg/L			1	200.7 Rev 4.4

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TOTAL RECOVERABLE

Client Sample ID: MW040D

Lab Sample ID: 500-111319-5

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG ID.:

Matrix: Water

Date Sampled: 05/01/2016 10:23

Reporting Basis: WET

Date Received: 05/09/2016 10:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.023	0.0050	0.0025	mg/L			1	200.7 Rev 4.4

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TOTAL RECOVERABLE

Client Sample ID: MW040S/D

Lab Sample ID: 500-111319-6

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG ID.: _____

Matrix: Water

Date Sampled: 05/01/2016 10:27

Reporting Basis: WET

Date Received: 05/09/2016 10:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.047	0.0050	0.0025	mg/L			1	200.7 Rev 4.4

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TOTAL RECOVERABLE

Client Sample ID: MW064S

Lab Sample ID: 500-111319-7

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG ID.:

Matrix: Water

Date Sampled: 05/01/2016 14:00

Reporting Basis: WET

Date Received: 05/09/2016 10:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.42	0.0050	0.0025	mg/L			1	200.7 Rev 4.4

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TOTAL RECOVERABLE

Client Sample ID: MW064M

Lab Sample ID: 500-111319-8

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG ID.:

Matrix: Water

Date Sampled: 05/01/2016 13:59

Reporting Basis: WET

Date Received: 05/09/2016 10:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	6.3	0.0050	0.0025	mg/L			1	200.7 Rev 4.4

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TOTAL RECOVERABLE

Client Sample ID: MW064D

Lab Sample ID: 500-111319-9

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG ID.:

Matrix: Water

Date Sampled: 05/01/2016 14:02

Reporting Basis: WET

Date Received: 05/09/2016 10:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.53	0.0050	0.0025	mg/L			1	200.7 Rev 4.4

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TOTAL RECOVERABLE

Client Sample ID: MW101S

Lab Sample ID: 500-111319-10

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG ID.:

Matrix: Water

Date Sampled: 05/01/2016 09:29

Reporting Basis: WET

Date Received: 05/09/2016 10:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.22	0.0050	0.0025	mg/L			1	200.7 Rev 4.4

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TOTAL RECOVERABLE

Client Sample ID: MW101M

Lab Sample ID: 500-111319-11

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG ID.:

Matrix: Water

Date Sampled: 05/01/2016 09:15

Reporting Basis: WET

Date Received: 05/09/2016 10:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0032	0.0050	0.0025	mg/L	J		1	200.7 Rev 4.4

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TOTAL RECOVERABLE

Client Sample ID: MW102S

Lab Sample ID: 500-111319-12

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG ID.:

Matrix: Water

Date Sampled: 05/01/2016 14:52

Reporting Basis: WET

Date Received: 05/09/2016 10:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.075	0.0050	0.0025	mg/L			1	200.7 Rev 4.4

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TOTAL RECOVERABLE

Client Sample ID: MW102M

Lab Sample ID: 500-111319-13

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG ID.:

Matrix: Water

Date Sampled: 05/01/2016 14:51

Reporting Basis: WET

Date Received: 05/09/2016 10:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0097	0.0050	0.0025	mg/L			1	200.7 Rev 4.4

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TOTAL RECOVERABLE

Client Sample ID: MW102D

Lab Sample ID: 500-111319-14

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG ID.: _____

Matrix: Water

Date Sampled: 05/01/2016 14:53

Reporting Basis: WET

Date Received: 05/09/2016 10:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.19	0.0050	0.0025	mg/L			1	200.7 Rev 4.4

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TOTAL RECOVERABLE

Client Sample ID: MW102D/D

Lab Sample ID: 500-111319-15

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG ID.: _____

Matrix: Water

Date Sampled: 05/01/2016 14:54

Reporting Basis: WET

Date Received: 05/09/2016 10:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.19	0.0050	0.0025	mg/L			1	200.7 Rev 4.4

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TOTAL RECOVERABLE

Client Sample ID: MW105S

Lab Sample ID: 500-111319-16

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG ID.: _____

Matrix: Water

Date Sampled: 05/01/2016 11:44

Reporting Basis: WET

Date Received: 05/09/2016 10:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.29	0.0050	0.0025	mg/L			1	200.7 Rev 4.4

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TOTAL RECOVERABLE

Client Sample ID: MW105M

Lab Sample ID: 500-111319-17

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG ID.:

Matrix: Water

Date Sampled: 05/01/2016 15:22

Reporting Basis: WET

Date Received: 05/09/2016 10:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0047	0.0050	0.0025	mg/L	J		1	200.7 Rev 4.4

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TOTAL RECOVERABLE

Client Sample ID: MW105D

Lab Sample ID: 500-111319-18

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG ID.:

Matrix: Water

Date Sampled: 05/01/2016 15:18

Reporting Basis: WET

Date Received: 05/09/2016 10:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0092	0.0050	0.0025	mg/L			1	200.7 Rev 4.4

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TOTAL RECOVERABLE

Client Sample ID: MW041S

Lab Sample ID: 500-111319-19

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG ID.:

Matrix: Water

Date Sampled: 05/02/2016 15:02

Reporting Basis: WET

Date Received: 05/09/2016 10:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	22	0.025	0.012	mg/L			5	200.7 Rev 4.4

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TOTAL RECOVERABLE

Client Sample ID: MW041M

Lab Sample ID: 500-111319-20

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG ID.:

Matrix: Water

Date Sampled: 05/02/2016 14:59

Reporting Basis: WET

Date Received: 05/09/2016 10:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	1400	2.5	1.2	mg/L			500	200.7 Rev 4.4

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TOTAL RECOVERABLE

Client Sample ID: MW047S

Lab Sample ID: 500-111319-21

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG ID.:

Matrix: Water

Date Sampled: 05/02/2016 09:52

Reporting Basis: WET

Date Received: 05/09/2016 10:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.097	0.0050	0.0025	mg/L			1	200.7 Rev 4.4

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TOTAL RECOVERABLE

Client Sample ID: MW047M

Lab Sample ID: 500-111319-22

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG ID.:

Matrix: Water

Date Sampled: 05/02/2016 09:56

Reporting Basis: WET

Date Received: 05/09/2016 10:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	1.3	0.0050	0.0025	mg/L			1	200.7 Rev 4.4

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TOTAL RECOVERABLE

Client Sample ID: MW047D

Lab Sample ID: 500-111319-23

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG ID.:

Matrix: Water

Date Sampled: 05/02/2016 10:08

Reporting Basis: WET

Date Received: 05/09/2016 10:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.26	0.0050	0.0025	mg/L			1	200.7 Rev 4.4

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TOTAL RECOVERABLE

Client Sample ID: MW100S

Lab Sample ID: 500-111319-24

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG ID.:

Matrix: Water

Date Sampled: 05/02/2016 09:04

Reporting Basis: WET

Date Received: 05/09/2016 10:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.076	0.0050	0.0025	mg/L			1	200.7 Rev 4.4

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TOTAL RECOVERABLE

Client Sample ID: MW100M

Lab Sample ID: 500-111319-25

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG ID.:

Matrix: Water

Date Sampled: 05/02/2016 08:52

Reporting Basis: WET

Date Received: 05/09/2016 10:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0043	0.0050	0.0025	mg/L	J		1	200.7 Rev 4.4

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TOTAL RECOVERABLE

Client Sample ID: MW100D

Lab Sample ID: 500-111319-26

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG ID.:

Matrix: Water

Date Sampled: 05/02/2016 08:50

Reporting Basis: WET

Date Received: 05/09/2016 10:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.22	0.0050	0.0025	mg/L			1	200.7 Rev 4.4

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TOTAL RECOVERABLE

Client Sample ID: MW103S

Lab Sample ID: 500-111319-27

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG ID.:

Matrix: Water

Date Sampled: 05/02/2016 12:06

Reporting Basis: WET

Date Received: 05/09/2016 10:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.048	0.0050	0.0025	mg/L			1	200.7 Rev 4.4

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TOTAL RECOVERABLE

Client Sample ID: MW103M

Lab Sample ID: 500-111319-28

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG ID.:

Matrix: Water

Date Sampled: 05/02/2016 12:06

Reporting Basis: WET

Date Received: 05/09/2016 10:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.016	0.0050	0.0025	mg/L			1	200.7 Rev 4.4

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TOTAL RECOVERABLE

Client Sample ID: MW104S

Lab Sample ID: 500-111319-29

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG ID.:

Matrix: Water

Date Sampled: 05/02/2016 14:16

Reporting Basis: WET

Date Received: 05/09/2016 10:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0063	0.0050	0.0025	mg/L			1	200.7 Rev 4.4

1A-IN
 INORGANIC ANALYSIS DATA SHEET
 METALS - TOTAL RECOVERABLE

Client Sample ID: MW104M

Lab Sample ID: 500-111319-30

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG ID.:

Matrix: Water

Date Sampled: 05/02/2016 14:05

Reporting Basis: WET

Date Received: 05/09/2016 10:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.0050	0.0050	0.0025	mg/L			1	200.7 Rev 4.4

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Chicago Job No.: 500-111319-1

SDG No.: _____

ICV Source: M16DICVIC_00001 Concentration Units: mg/L

CCV Source: M16ECCVIC_00001

Analyte	ICV 500-335477/6 05/13/2016 21:23				CCV 500-335477/27 05/13/2016 23:00				CCV 500-335477/39 05/13/2016 23:58			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.406		0.400	102	0.498		0.500	100	0.500		0.500	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Chicago Job No.: 500-111319-1

SDG No.: _____

ICV Source: M16DICVIC_00001 Concentration Units: mg/L

CCV Source: M16DCCVIC_00001

Analyte	ICV 500-334919/6 05/10/2016 11:35				CCV 500-334919/55 05/10/2016 15:26				CCV 500-334919/67 05/10/2016 16:18			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.409		0.400	102	0.530		0.500	106	0.537		0.500	107

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Chicago Job No.: 500-111319-1

SDG No.: _____

ICV Source: M16DICVIC_00001 Concentration Units: mg/L

CCV Source: M16DCCVIC_00001

Analyte	CCV 500-334919/79 05/10/2016 17:11				CCV 500-334919/91 05/10/2016 18:06				CCV 500-334919/103 05/10/2016 19:02			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.533		0.500	107	0.531		0.500	106	0.546		0.500	109

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Chicago Job No.: 500-111319-1

SDG No.: _____

ICV Source: M16DICVIC_00001 Concentration Units: mg/L

CCV Source: M16DCCVIC_00001

Analyte	CCV 500-334919/106 05/10/2016 19:15											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.545		0.500	109								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Chicago Job No.: 500-111319-1

SDG No.: _____

ICV Source: M16DICVIC_00001 Concentration Units: mg/L

CCV Source: M16ECCVIC_00001

Analyte	ICV 500-335323/6 05/12/2016 19:15				CCV 500-335323/14 05/12/2016 19:52				CCV 500-335323/27 05/12/2016 20:55			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.413		0.400	103	0.518		0.500	104	0.498		0.500	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Chicago Job No.: 500-111319-1

SDG No.: _____

ICV Source: M16DICVIC_00001 Concentration Units: mg/L

CCV Source: M16ECCVIC_00001

Analyte	CCV 500-335323/39 05/12/2016 21:49				CCV 500-335323/51 05/12/2016 22:51							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.496		0.500	99	0.479		0.500	96				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Chicago Job No.: 500-111319-1
 SDG No.: _____
 Method: 200.7 Rev 4.4 Instrument ID: ICP6
 Lab Sample ID: CRI 500-335477/11 Concentration Units: mg/L
 CRQL Check Standard Source: M16CCRIIC_00001

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	0.0200	0.0200		100	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Chicago Job No.: 500-111319-1
 SDG No.: _____
 Method: 200.7 Rev 4.4 Instrument ID: ICP8
 Lab Sample ID: CRI 500-334919/9 Concentration Units: mg/L
 CRQL Check Standard Source: M16CCRIIC_00001

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	0.0200	0.0201		101	50-150

Lab Sample ID: CRI 500-335323/11 Concentration Units: mg/L
 CRQL Check Standard Source: M16CCRIIC_00001

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	0.0200	0.0212		106	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Chicago Job No.: 500-111319-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICBIS 500-335477/7 05/13/2016 21:27		CCB 500-335477/28 05/13/2016 23:04		CCB 500-335477/40 05/14/2016 00:02		Found	C
		Found	C	Found	C	Found	C		
Arsenic	0.010	<0.0050		<0.0050		<0.0050			

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Chicago Job No.: 500-111319-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICBIS 500-334919/7 05/10/2016 11:39		CCB 500-334919/56 05/10/2016 15:30		CCB 500-334919/68 05/10/2016 16:22		CCB 500-334919/80 05/10/2016 17:15	
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.010	<0.0050		<0.0050		<0.0050		<0.0050	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Chicago Job No.: 500-111319-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	CCB 500-334919/92 05/10/2016 18:10		CCB 500-334919/104 05/10/2016 19:06		CCB 500-334919/107 05/10/2016 19:19		Found	C
		Found	C	Found	C	Found	C		
Arsenic	0.010	<0.0050		<0.0050		<0.0050			

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Chicago Job No.: 500-111319-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICBIS 500-335323/7 05/12/2016 19:19		CCB 500-335323/15 05/12/2016 19:56		CCB 500-335323/28 05/12/2016 20:59		CCB 500-335323/40 05/12/2016 21:53	
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.010	<0.0050		<0.0050		<0.0050		<0.0050	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Chicago Job No.: 500-111319-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	CCB 500-335323/52 05/12/2016 22:55							
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.010	<0.0050							

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Chicago Job No.: 500-111319-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: MB 500-334709/1-A
Instrument Code: ICP8 Batch No.: 334919

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	<0.0025			200.7

3-IN
METHOD BLANK
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Chicago Job No.: 500-111319-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: MB 500-334710/1-A
Instrument Code: ICP8 Batch No.: 335323

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	<0.0025			200.7

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG No.: _____

Lab Sample ID: ICSA 500-335477/12

Instrument ID: ICP6

Lab File ID: P6051316B.asc

ICS Source: M16DISAIC_00001

Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		-0.0035	
Aluminum	500	515	103
Antimony		-0.0027	
Barium		-0.0001	
Beryllium		0.0001	
Boron		-0.0021	
Cadmium		0.0011	
Calcium	500	473	95
Chromium		0.0014	
Cobalt		-0.0001	
Copper		0.0022	
Iron	200	191	95
Lead		-0.0013	
Magnesium	500	511	102
Manganese		0.0007	
Molybdenum		0.0002	
Nickel		0.0027	
Potassium		-0.0142	
Selenium		0.0044	
Silicon		-0.0023	
Silver		-0.0004	
Sodium		0.0067	
Strontium		0.0046	
Thallium		-0.0034	
Tin		0.0073	
Titanium		-0.0023	
Vanadium		0.0010	
Zinc		0.0034	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG No.: _____

Lab Sample ID: ICSAB 500-335477/13

Instrument ID: ICP6

Lab File ID: P6051316B.asc

ICS Source: M16DISBIC_00001

Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	0.100	0.0916	92
<i>Aluminum</i>	<i>500</i>	<i>517</i>	<i>103</i>
<i>Antimony</i>	<i>0.600</i>	<i>0.565</i>	<i>94</i>
<i>Barium</i>	<i>0.500</i>	<i>0.510</i>	<i>102</i>
<i>Beryllium</i>	<i>0.500</i>	<i>0.546</i>	<i>109</i>
<i>Boron</i>		<i>-0.0019</i>	
<i>Cadmium</i>	<i>1.00</i>	<i>1.00</i>	<i>100</i>
<i>Calcium</i>	<i>500</i>	<i>473</i>	<i>95</i>
<i>Chromium</i>	<i>0.500</i>	<i>0.466</i>	<i>93</i>
<i>Cobalt</i>	<i>0.500</i>	<i>0.531</i>	<i>106</i>
<i>Copper</i>	<i>0.500</i>	<i>0.543</i>	<i>109</i>
<i>Iron</i>	<i>200</i>	<i>191</i>	<i>96</i>
<i>Lead</i>	<i>0.0500</i>	<i>0.0508</i>	<i>102</i>
<i>Li</i>		<i>0.0107</i>	
<i>Magnesium</i>	<i>500</i>	<i>512</i>	<i>102</i>
<i>Manganese</i>	<i>0.500</i>	<i>0.489</i>	<i>98</i>
<i>Molybdenum</i>		<i>-0.0009</i>	
<i>Nickel</i>	<i>1.00</i>	<i>1.03</i>	<i>103</i>
<i>Potassium</i>		<i>-0.0299</i>	
<i>Selenium</i>	<i>0.0500</i>	<i>0.0438</i>	<i>88</i>
<i>Silicon</i>		<i>-0.0055</i>	
<i>Silver</i>	<i>0.200</i>	<i>0.207</i>	<i>103</i>
<i>Sodium</i>		<i>0.0080</i>	
<i>Strontium</i>		<i>0.0046</i>	
<i>Thallium</i>	<i>0.100</i>	<i>0.0815</i>	<i>82</i>
<i>Tin</i>		<i>0.0063</i>	
<i>Titanium</i>		<i>-0.0018</i>	
<i>Vanadium</i>	<i>0.500</i>	<i>0.482</i>	<i>96</i>
<i>Zinc</i>	<i>1.00</i>	<i>1.06</i>	<i>106</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG No.: _____

Lab Sample ID: ICSAB 500-334919/11

Instrument ID: ICP8

Lab File ID: P8051016AA.asc

ICS Source: M16DISBIC_00001

Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	0.100	0.0989	99
<i>Aluminum</i>	<i>500</i>	<i>510</i>	<i>102</i>
<i>Antimony</i>	<i>0.600</i>	<i>0.582</i>	<i>97</i>
<i>Barium</i>	<i>0.500</i>	<i>0.500</i>	<i>100</i>
<i>Beryllium</i>	<i>0.500</i>	<i>0.522</i>	<i>104</i>
<i>Boron</i>		<i>-0.0020</i>	
<i>Cadmium</i>	<i>1.00</i>	<i>1.01</i>	<i>101</i>
<i>Calcium</i>	<i>500</i>	<i>475</i>	<i>95</i>
<i>Chromium</i>	<i>0.500</i>	<i>0.479</i>	<i>96</i>
<i>Cobalt</i>	<i>0.500</i>	<i>0.514</i>	<i>103</i>
<i>Copper</i>	<i>0.500</i>	<i>0.551</i>	<i>110</i>
<i>Iron</i>	<i>200</i>	<i>190</i>	<i>95</i>
<i>Lead</i>	<i>0.0500</i>	<i>0.0521</i>	<i>104</i>
<i>Li</i>		<i>-0.0008</i>	
<i>Magnesium</i>	<i>500</i>	<i>518</i>	<i>104</i>
<i>Manganese</i>	<i>0.500</i>	<i>0.477</i>	<i>95</i>
<i>Molybdenum</i>		<i>0.0041</i>	
<i>Nickel</i>	<i>1.00</i>	<i>1.01</i>	<i>101</i>
<i>Potassium</i>		<i>-0.0177</i>	
<i>Selenium</i>	<i>0.0500</i>	<i>0.0436</i>	<i>87</i>
<i>Silicon</i>		<i>-0.0037</i>	
<i>Silver</i>	<i>0.200</i>	<i>0.211</i>	<i>106</i>
<i>Sodium</i>		<i>0.0142</i>	
<i>Strontium</i>		<i>0.0047</i>	
<i>Thallium</i>	<i>0.100</i>	<i>0.0916</i>	<i>92</i>
<i>Tin</i>		<i>0.0097</i>	
<i>Titanium</i>		<i>0.0012</i>	
<i>Vanadium</i>	<i>0.500</i>	<i>0.503</i>	<i>101</i>
<i>Zinc</i>	<i>1.00</i>	<i>1.01</i>	<i>101</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG No.: _____

Lab Sample ID: ICSA 500-334919/12

Instrument ID: ICP8

Lab File ID: P8051016AA.asc

ICS Source: M16DISAIC_00001

Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		-0.0076	
Aluminum	500	507	101
Antimony		0.0034	
Barium		0.0001	
Beryllium		0.0008	
Boron		-0.0012	
Cadmium		-0.0001	
Calcium	500	473	95
Chromium		0.0038	
Cobalt		-0.0013	
Copper		0.0029	
Iron	200	189	95
Lead		0.0017	
Li		-0.0008	
Magnesium	500	515	103
Manganese		-0.0001	
Molybdenum		0.0045	
Nickel		0.0059	
Potassium		-0.0274	
Selenium		0.0040	
Silicon		0.0007	
Silver		-0.0009	
Sodium		0.0089	
Strontium		0.0046	
Thallium		0.0010	
Tin		0.0053	
Titanium		0.0007	
Vanadium		0.0024	
Zinc		0.0010	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG No.: _____

Lab Sample ID: ICSA 500-335323/12

Instrument ID: ICP8

Lab File ID: P8051216B.asc

ICS Source: M16DISAIC_00001

Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		-0.0069	
<i>Aluminum</i>	500	512	102
<i>Antimony</i>		-0.0055	
<i>Barium</i>		0.0001	
<i>Beryllium</i>		0.0009	
<i>Boron</i>		-0.0024	
<i>Cadmium</i>		-0.0004	
<i>Calcium</i>	500	478	96
<i>Chromium</i>		0.0031	
<i>Cobalt</i>		-0.0014	
<i>Copper</i>		0.0033	
<i>Iron</i>	200	192	96
<i>Lead</i>		0.0031	
<i>Li</i>		0.0020	
<i>Magnesium</i>	500	521	104
<i>Manganese</i>		0.0003	
<i>Molybdenum</i>		0.0051	
<i>Nickel</i>		-0.0013	
<i>Potassium</i>		-0.0141	
<i>Selenium</i>		-0.0022	
<i>Silicon</i>		0.0004	
<i>Silver</i>		0.0006	
<i>Sodium</i>		0.0172	
<i>Strontium</i>		0.0045	
<i>Thallium</i>		0.0001	
<i>Tin</i>		0.0020	
<i>Titanium</i>		0.0011	
<i>Vanadium</i>		0.0006	
<i>Zinc</i>		0.0002	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG No.: _____

Lab Sample ID: ICSAB 500-335323/13

Instrument ID: ICP8

Lab File ID: P8051216B.asc

ICS Source: M16DISBIC_00001

Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	0.100	0.100	100
<i>Aluminum</i>	500	518	104
<i>Antimony</i>	0.600	0.595	99
<i>Barium</i>	0.500	0.504	101
<i>Beryllium</i>	0.500	0.526	105
<i>Boron</i>		-0.0013	
<i>Cadmium</i>	1.00	1.03	103
<i>Calcium</i>	500	483	97
<i>Chromium</i>	0.500	0.477	95
<i>Cobalt</i>	0.500	0.519	104
<i>Copper</i>	0.500	0.547	109
<i>Iron</i>	200	194	97
<i>Lead</i>	0.0500	0.0531	106
<i>Li</i>		0.0015	
<i>Magnesium</i>	500	526	105
<i>Manganese</i>	0.500	0.483	97
<i>Molybdenum</i>		0.0059	
<i>Nickel</i>	1.00	1.01	101
<i>Potassium</i>		-0.0236	
<i>Selenium</i>	0.0500	0.0400	80
<i>Silicon</i>		0.0038	
<i>Silver</i>	0.200	0.211	105
<i>Sodium</i>		0.0275	
<i>Strontium</i>		0.0045	
<i>Thallium</i>	0.100	0.0937	94
<i>Tin</i>		0.0000	
<i>Titanium</i>		0.0010	
<i>Vanadium</i>	0.500	0.495	99
<i>Zinc</i>	1.00	1.03	103

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE SAMPLE RECOVERY
 METALS - TOTAL RECOVERABLE

Client ID: MW041S MS Lab ID: 500-111319-19 MS
 Lab Name: TestAmerica Chicago Job No.: 500-111319-1
 SDG No.: _____
 Matrix: Water Concentration Units: mg/L
 % Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	20.8	22	0.0500	-2876	70-130	4	200.7 Rev 4.4

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - TOTAL RECOVERABLE

Client ID: MW100S MS Lab ID: 500-111319-24 MS
Lab Name: TestAmerica Chicago Job No.: 500-111319-1
SDG No.: _____
Matrix: Water Concentration Units: mg/L
% Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	0.136	0.076	0.0500	119	70-130		200.7 Rev 4.4

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
 METALS - TOTAL RECOVERABLE

Client ID: MW041S MSD Lab ID: 500-111319-19 MSD
 Lab Name: TestAmerica Chicago Job No.: 500-111319-1
 SDG No.: _____
 Matrix: Water Concentration Units: mg/L
 % Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	20.9	0.0500	-2653	70-130	1	20	4	200.7 Rev 4.4

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - TOTAL RECOVERABLE

Client ID: MW100S MSD

Lab ID: 500-111319-24 MSD

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG No.: _____

Matrix: Water

Concentration Units: mg/L

% Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	0.129	0.0500	106	70-130	5	20		200.7 Rev 4.4

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
 DUPLICATES
 METALS - TOTAL RECOVERABLE

Client ID: MW041S DU Lab ID: 500-111319-19 DU
 Lab Name: TestAmerica Chicago Job No.: 500-111319-1
 SDG No.: _____
 % Solids for Sample: _____ % Solids for Duplicate: _____
 Matrix: Water Concentration Units: mg/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Arsenic	0.025	22	22.6	1		200.7 Rev 4.4

Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
 DUPLICATES
 METALS - TOTAL RECOVERABLE

Client ID: MW100S DU Lab ID: 500-111319-24 DU
 Lab Name: TestAmerica Chicago Job No.: 500-111319-1
 SDG No.: _____
 % Solids for Sample: _____ % Solids for Duplicate: _____
 Matrix: Water Concentration Units: mg/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Arsenic	0.0050	0.076	0.0748	2		200.7 Rev 4.4

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
 LAB CONTROL SAMPLE
 METALS - TOTAL RECOVERABLE

Lab ID: LCS 500-334709/2-A

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

Sample Matrix: Water

LCS Source: M16DSPKIC_00001

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	0.0500	0.0512		102	85	115		200.7 Rev 4.4

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
 LAB CONTROL SAMPLE
 METALS - TOTAL RECOVERABLE

Lab ID: LCS 500-334710/2-A

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

Sample Matrix: Water

LCS Source: M16DSPKIC_00001

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	0.0500	0.0505		101	85	115		200.7 Rev 4.4

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
 ICP-AES AND ICP-MS SERIAL DILUTIONS
 METALS - TOTAL RECOVERABLE

Lab ID: 500-111319-19

SDG No: _____

Lab Name: TestAmerica Chicago

Job No: 500-111319-1

Matrix: Water

Concentration Units: mg/L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Difference	Q	Method
Arsenic	22	20.8	6.7		200.7 Rev 4.4

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
 ICP-AES AND ICP-MS SERIAL DILUTIONS
 METALS - TOTAL RECOVERABLE

Lab ID: 500-111319-24

SDG No: _____

Lab Name: TestAmerica Chicago

Job No: 500-111319-1

Matrix: Water

Concentration Units: mg/L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Difference	Q	Method
Arsenic	0.076	0.0764	NC		200.7 Rev 4.4

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Chicago

Job Number: 500-111319-1

SDG Number: _____

Matrix: Water

Instrument ID: ICP6

Method: 200.7 Rev 4.4

MDL Date: 01/09/2015 11:23

Prep Method: 200.7

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Arsenic		0.01	0.0049

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Chicago Job Number: 500-111319-1
SDG Number: _____
Matrix: Water Instrument ID: ICP6
Method: 200.7 Rev 4.4 XMDL Date: 05/25/2006 08:57

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Arsenic		0.01	0.005

9-IN
DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Chicago

Job Number: 500-111319-1

SDG Number: _____

Matrix: Water

Instrument ID: ICP8

Method: 200.7 Rev 4.4

MDL Date: 01/09/2015 11:23

Prep Method: 200.7

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Arsenic		0.01	0.0049

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Chicago Job Number: 500-111319-1
SDG Number: _____
Matrix: Water Instrument ID: ICP8
Method: 200.7 Rev 4.4 XMDL Date: 05/25/2006 08:57

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Arsenic		0.01	0.005

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Chicago Job Number: 500-111319-1

SDG No.: _____

ICP-AES Instrument ID: ICP6 Date: 05/12/2016

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Aluminum															
Antimony			0.000010									0.005069		0.000013	
Arsenic			0.000011									-0.003046		-0.000007	
Barium															
Beryllium														0.000009	
Bismuth														0.000024	
Boron															
Cadmium				0.009325		-0.000228								-0.000002	
Calcium															
Chromium															
Cobalt						-0.000350						-0.000258		-0.000001	
Copper															
Iron											0.074102				
Lead			-0.000058										0.001208	0.000051	
Lithium															
Magnesium														-0.000289	
Manganese														0.000010	
Molybdenum			-0.000003											-0.000026	
Nickel														0.000032	
Potassium															
Selenium			-0.000023											-0.000001	
Silicon															
Silver														-0.000001	
Sodium															
Strontium															
Thallium			-0.000003									0.001123		0.000004	
Tin															
Titanium									-0.000007						
Vanadium														0.000022	
Zinc			-0.000005									-0.000534			

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Chicago Job Number: 500-111319-1

SDG No.: _____

ICP-AES Instrument ID: ICP6 Date: 05/12/2016

Analyte	Wave Length	Li	Mg	Mn	Mo	Na	Ni	Pb	Sb	Se	Si	Sn	Sr	Ti	Tl
Aluminum					0.016937										
Antimony														-0.002346	
Arsenic					-0.000257										
Barium															
Beryllium															
Bismuth														-0.007347	
Boron					0.016183										
Cadmium															
Calcium															
Chromium															
Cobalt														0.002231	
Copper															
Iron															
Lead					-0.001050						0.000411				
Lithium															
Magnesium				-0.003611	-0.006776										
Manganese															
Molybdenum															
Nickel															
Potassium															
Selenium															
Silicon					0.014343										
Silver															
Sodium															
Strontium															
Thallium														-0.000140	
Tin															
Titanium															
Vanadium					-0.003891									0.000604	
Zinc															

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Chicago Job Number: 500-111319-1

SDG No.: _____

ICP-AES Instrument ID: ICP6 Date: 05/12/2016

Analyte	Wave Length	V	Zn												
Aluminum		0.047756													
Antimony		-0.000255													
Arsenic															
Barium															
Beryllium															
Bismuth															
Boron															
Cadmium															
Calcium															
Chromium															
Cobalt															
Copper															
Iron		-0.052543													
Lead															
Lithium															
Magnesium															
Manganese															
Molybdenum															
Nickel															
Potassium															
Selenium															
Silicon															
Silver															
Sodium															
Strontium															
Thallium		-0.000102													
Tin															
Titanium															
Vanadium															
Zinc															

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Chicago Job Number: 500-111319-1

SDG No.: _____

ICP-AES Instrument ID: ICP8 Date: 05/03/2016

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Aluminum	308.215														
Antimony	206.833		0.000010									0.010153		0.000012	
Arsenic	189.042		-0.000011									-0.003667		-0.000007	
Barium	455.403														
Beryllium	234.861													0.000007	
Bismuth	223.061													0.000014	
Boron	208.959														
Cadmium	228.802			0.005840		-0.000232								-0.000000 42	
Calcium	317.933														
Chromium	267.716														
Cobalt	228.616					-0.000350						-0.000199		0.000003	
Copper	324.754														
Iron	271.441										0.098090				
Lead	220.353		-0.000054										0.000134	0.000057	
Lithium	670.784								0.000024						
Magnesium	279.079													-0.000051	
Manganese	257.610													0.000010	
Molybdenum	202.030		-0.000011											-0.000025	
Nickel	231.604													0.000009	
Potassium	766.490														
Selenium	196.090		-0.000013											-0.000011	
Silicon	212.412														
Silver	328.068													-0.000001	
Sodium	589.592														
Strontium	421.552														
Thallium	190.856		-0.000007									0.001123		0.000004	
Tin	189.989														
Titanium	334.941								0.000003						
Vanadium	292.402													0.000020	

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Chicago Job Number: 500-111319-1

SDG No.: _____

ICP-AES Instrument ID: ICP8 Date: 05/03/2016

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Zinc	206.200		0.000003									-0.000534			

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Chicago Job Number: 500-111319-1

SDG No.: _____

ICP-AES Instrument ID: ICP8 Date: 05/03/2016

Analyte	Wave Length	Li	Mg	Mn	Mo	Na	Ni	Pb	Sb	Se	Si	Sn	Sr	Ti	Tl
Aluminum	308.215				0.007252										
Antimony	206.833													-0.002346	
Arsenic	189.042				-0.000257										
Barium	455.403														
Beryllium	234.861														
Bismuth	223.061													-0.007347	
Boron	208.959				0.020192										
Cadmium	228.802														
Calcium	317.933														
Chromium	267.716														
Cobalt	228.616													0.002231	
Copper	324.754														
Iron	271.441														
Lead	220.353				-0.000535						0.000031				
Lithium	670.784														
Magnesium	279.079			-0.003611	-0.006776										
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Potassium	766.490														
Selenium	196.090														
Silicon	212.412				0.019471										
Silver	328.068														
Sodium	589.592														
Strontium	421.552														
Thallium	190.856													-0.000790	
Tin	189.989														
Titanium	334.941														
Vanadium	292.402				-0.001868									0.000604	
Zinc	206.200														

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Chicago Job Number: 500-111319-1

SDG No.: _____

ICP-AES Instrument ID: ICP8 Date: 05/03/2016

Analyte	Wave Length	V	Zn												
Aluminum	308.215	0.026319													
Antimony	206.833	-0.001068													
Arsenic	189.042														
Barium	455.403														
Beryllium	234.861														
Bismuth	223.061														
Boron	208.959														
Cadmium	228.802														
Calcium	317.933														
Chromium	267.716														
Cobalt	228.616														
Copper	324.754														
Iron	271.441	-0.008145													
Lead	220.353														
Lithium	670.784														
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Potassium	766.490														
Selenium	196.090														
Silicon	212.412														
Silver	328.068														
Sodium	589.592														
Strontium	421.552														
Thallium	190.856	-0.000102													
Tin	189.989														
Titanium	334.941														
Vanadium	292.402														
Zinc	206.200														

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Chicago

Job Number: 500-111319-1

SDG No.: _____

ICP-AES Instrument ID: ICP8

Date: 05/12/2016

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Aluminum	308.215														
Antimony	206.833		0.000010									0.010153		0.000012	
Arsenic	189.042		-0.000011									-0.003667		-0.000007	
Barium	455.403														
Beryllium	234.861													0.000007	
Bismuth	223.061													0.000014	
Boron	208.959														
Cadmium	228.802			0.005840		-0.000232								-0.000000 42	
Calcium	317.933														
Chromium	267.716														
Cobalt	228.616					-0.000350						-0.000199		0.000003	
Copper	324.754														
Iron	271.441										0.098090				
Lead	220.353		-0.000054										0.000134	0.000057	
Lithium	670.784								0.000024						
Magnesium	279.079													-0.000051	
Manganese	257.610													0.000010	
Molybdenum	202.030		-0.000011											-0.000025	
Nickel	231.604													0.000009	
Potassium	766.490														
Selenium	196.090		-0.000013											-0.000009	
Silicon	212.412														
Silver	328.068													-0.000001	
Sodium	589.592														
Strontium	421.552														
Thallium	190.856		-0.000007									0.001123		0.000004	
Tin	189.989														
Titanium	334.941								0.000003						
Vanadium	292.402													0.000020	

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Chicago Job Number: 500-111319-1

SDG No.: _____

ICP-AES Instrument ID: ICP8 Date: 05/12/2016

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Zinc	206.200		0.000003									-0.000534			

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Chicago Job Number: 500-111319-1

SDG No.: _____

ICP-AES Instrument ID: ICP8 Date: 05/12/2016

Analyte	Wave Length	Li	Mg	Mn	Mo	Na	Ni	Pb	Sb	Se	Si	Sn	Sr	Ti	Tl
Aluminum	308.215				0.007252										
Antimony	206.833													-0.002346	
Arsenic	189.042				-0.000257										
Barium	455.403														
Beryllium	234.861														
Bismuth	223.061													-0.007347	
Boron	208.959				0.020192										
Cadmium	228.802														
Calcium	317.933														
Chromium	267.716														
Cobalt	228.616													0.002231	
Copper	324.754														
Iron	271.441														
Lead	220.353				-0.000535						0.000031				
Lithium	670.784														
Magnesium	279.079			-0.003611	-0.006776										
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Potassium	766.490														
Selenium	196.090														
Silicon	212.412				0.019471										
Silver	328.068														
Sodium	589.592														
Strontium	421.552														
Thallium	190.856													-0.000790	
Tin	189.989														
Titanium	334.941														
Vanadium	292.402				-0.001868									0.000604	
Zinc	206.200														

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Chicago Job Number: 500-111319-1

SDG No.: _____

ICP-AES Instrument ID: ICP8 Date: 05/12/2016

Analyte	Wave Length	V	Zn												
Aluminum	308.215	0.026319													
Antimony	206.833	-0.001068													
Arsenic	189.042														
Barium	455.403														
Beryllium	234.861														
Bismuth	223.061														
Boron	208.959														
Cadmium	228.802														
Calcium	317.933														
Chromium	267.716														
Cobalt	228.616														
Copper	324.754														
Iron	271.441	-0.008145													
Lead	220.353														
Lithium	670.784														
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Potassium	766.490														
Selenium	196.090														
Silicon	212.412														
Silver	328.068														
Sodium	589.592														
Strontium	421.552														
Thallium	190.856	-0.000102													
Tin	189.989														
Titanium	334.941														
Vanadium	292.402														
Zinc	206.200														

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Chicago

Job No: 500-111319-1

SDG No.: _____

Instrument ID: ICP6

Date: 10/16/2015 10:43

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Arsenic		20	200.7 Rev 4.4

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Chicago

Job No: 500-111319-1

SDG No.: _____

Instrument ID: ICP8

Date: 10/16/2015 10:47

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Arsenic		20	200.7 Rev 4.4

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG No.: _____

Prep Method: 200.7

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 500-334709/1-A	05/10/2016 08:40	334709		50	25
LCS 500-334709/2-A	05/10/2016 08:40	334709		50	25
500-111319-1	05/10/2016 08:40	334709		50	25
500-111319-2	05/10/2016 08:40	334709		50	25
500-111319-3	05/10/2016 08:40	334709		50	25
500-111319-4	05/10/2016 08:40	334709		50	25
500-111319-5	05/10/2016 08:40	334709		50	25
500-111319-6	05/10/2016 08:40	334709		50	25
500-111319-7	05/10/2016 08:40	334709		50	25
500-111319-8	05/10/2016 08:40	334709		50	25
500-111319-9	05/10/2016 08:40	334709		50	25
500-111319-10	05/10/2016 08:40	334709		50	25
500-111319-11	05/10/2016 08:40	334709		50	25
500-111319-12	05/10/2016 08:40	334709		50	25
500-111319-13	05/10/2016 08:40	334709		50	25
500-111319-14	05/10/2016 08:40	334709		50	25
500-111319-15	05/10/2016 08:40	334709		50	25
500-111319-16	05/10/2016 08:40	334709		50	25
500-111319-17	05/10/2016 08:40	334709		50	25

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Chicago

Job No.: 500-111319-1

SDG No.: _____

Prep Method: 200.7

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 500-334710/1-A	05/10/2016 08:42	334710		50	25
LCS 500-334710/2-A	05/10/2016 08:42	334710		50	25
500-111319-18	05/10/2016 08:42	334710		50	25
500-111319-19	05/10/2016 08:42	334710		50	25
500-111319-19 DU	05/10/2016 08:42	334710		50	25
500-111319-19 MS	05/10/2016 08:42	334710		50	25
500-111319-19 MSD	05/10/2016 08:42	334710		50	25
500-111319-20	05/10/2016 08:42	334710		50	25
500-111319-21	05/10/2016 08:42	334710		50	25
500-111319-22	05/10/2016 08:42	334710		50	25
500-111319-23	05/10/2016 08:42	334710		50	25
500-111319-24	05/10/2016 08:42	334710		50	25
500-111319-24 DU	05/10/2016 08:42	334710		50	25
500-111319-24 MS	05/10/2016 08:42	334710		50	25
500-111319-24 MSD	05/10/2016 08:42	334710		50	25
500-111319-25	05/10/2016 08:42	334710		50	25
500-111319-26	05/10/2016 08:42	334710		50	25
500-111319-27	05/10/2016 08:42	334710		50	25
500-111319-28	05/10/2016 08:42	334710		50	25
500-111319-29	05/10/2016 08:42	334710		50	25
500-111319-30	05/10/2016 08:42	334710		50	25

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Chicago Job No.: 500-111319-1

SDG No.: _____

Instrument ID: ICP6 Method: 200.7 Rev 4.4

Start Date: 05/13/2016 21:02 End Date: 05/14/2016 01:58

Lab Sample ID	D / F	Type	Time	Analytes															
				A	S														
ZZZZZZ			21:02																
ZZZZZZ			21:06																
ZZZZZZ			21:10																
ZZZZZZ			21:15																
ZZZZZZ			21:19																
ICV 500-335477/6	1		21:23	X															
ICBIS 500-335477/7	1		21:27	X															
ICVL 500-335477/8			21:30																
ZZZZZZ			21:35																
ZZZZZZ			21:40																
CRI 500-335477/11	1		21:44	X															
ICSA 500-335477/12	1		21:48	X															
ICSAB 500-335477/13	1		21:54	X															
CCV 500-335477/14			21:59																
CCB 500-335477/15			22:03																
ZZZZZZ			22:07																
ZZZZZZ			22:11																
ZZZZZZ			22:16																
ZZZZZZ			22:20																
ZZZZZZ			22:25																
ZZZZZZ			22:30																
ZZZZZZ			22:35																
ZZZZZZ			22:40																
ZZZZZZ			22:45																
ZZZZZZ			22:50																
ZZZZZZ			22:56																
CCV 500-335477/27	1		23:00	X															
CCB 500-335477/28	1		23:04	X															
ZZZZZZ			23:07																
ZZZZZZ			23:12																
500-111319-20	500	R	23:17	X															
ZZZZZZ			23:22																
ZZZZZZ			23:28																
ZZZZZZ			23:32																
ZZZZZZ			23:39																
ZZZZZZ			23:44																
ZZZZZZ			23:48																
ZZZZZZ			23:52																
CCV 500-335477/39	1		23:58	X															
CCB 500-335477/40	1		00:02	X															
ZZZZZZ			00:05																
ZZZZZZ			00:10																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Chicago Job No.: 500-111319-1

SDG No.: _____

Instrument ID: ICP6 Method: 200.7 Rev 4.4

Start Date: 05/13/2016 21:02 End Date: 05/14/2016 01:58

Lab Sample ID	D / F	T y p e	Time	Analytes															
				A	S														
ZZZZZZ			00:15																
ZZZZZZ			00:19																
ZZZZZZ			00:24																
ZZZZZZ			00:29																
ZZZZZZ			00:34																
ZZZZZZ			00:39																
ZZZZZZ			00:43																
ZZZZZZ			00:49																
CCV 500-335477/51			00:54																
CCB 500-335477/52			00:58																
ZZZZZZ			01:02																
ZZZZZZ			01:06																
ZZZZZZ			01:11																
ZZZZZZ			01:16																
ZZZZZZ			01:21																
ZZZZZZ			01:29																
ZZZZZZ			01:33																
ZZZZZZ			01:37																
ZZZZZZ			01:41																
CCV 500-335477/62			01:46																
CCB 500-335477/63			01:50																
ZZZZZZ			01:53																
CCVL 500-335477/65			01:58																

Prep Types

R = Total Recoverable

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Chicago Job No.: 500-111319-1

SDG No.: _____

Instrument ID: ICP8 Method: 200.7 Rev 4.4

Start Date: 05/10/2016 11:14 End Date: 05/10/2016 19:23

Lab Sample ID	D / F	Type	Time	Analytes															
				A	S														
ZZZZZZ			11:14																
ZZZZZZ			11:18																
ZZZZZZ			11:23																
ZZZZZZ			11:27																
ZZZZZZ			11:31																
ICV 500-334919/6	1		11:35	X															
ICBIS 500-334919/7	1		11:39	X															
ICVL 500-334919/8			11:43																
CRI 500-334919/9	1		11:47	X															
ZZZZZZ			11:51																
ICSAB 500-334919/11	1		11:56	X															
ICSA 500-334919/12	1		12:01	X															
CCV 500-334919/13			12:06																
CCB 500-334919/14			12:10																
ZZZZZZ			12:14																
ZZZZZZ			12:18																
ZZZZZZ			12:23																
ZZZZZZ			12:27																
ZZZZZZ			12:32																
ZZZZZZ			12:37																
ZZZZZZ			12:42																
ZZZZZZ			12:47																
ZZZZZZ			12:52																
ZZZZZZ			12:57																
ZZZZZZ			13:01																
CCV 500-334919/26			13:06																
CCB 500-334919/27			13:10																
ZZZZZZ			13:13																
ZZZZZZ			13:18																
ZZZZZZ			13:23																
ZZZZZZ			13:29																
ZZZZZZ			13:34																
ZZZZZZ			13:39																
ZZZZZZ			13:44																
ZZZZZZ			13:49																
ZZZZZZ			13:54																
ZZZZZZ			14:00																
CCV 500-334919/38			14:05																
CCB 500-334919/39			14:09																
ZZZZZZ			14:13																
ZZZZZZ			14:18																
ZZZZZZ			14:23																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Chicago Job No.: 500-111319-1

SDG No.: _____

Instrument ID: ICP8 Method: 200.7 Rev 4.4

Start Date: 05/10/2016 11:14 End Date: 05/10/2016 19:23

Lab Sample ID	D / F	T y p e	Time	Analytes															
				A	S														
ZZZZZZ			14:28																
ZZZZZZ			14:33																
ZZZZZZ			14:37																
ZZZZZZ			14:49																
ZZZZZZ			14:53																
ZZZZZZ			14:58																
CCV 500-334919/49			15:02																
CCB 500-334919/50			15:06																
ZZZZZZ			15:09																
ZZZZZZ			15:13																
ZZZZZZ			15:18																
ZZZZZZ			15:22																
CCV 500-334919/55	1		15:26	X															
CCB 500-334919/56	1		15:30	X															
ZZZZZZ			15:34																
ZZZZZZ			15:38																
ZZZZZZ			15:42																
ZZZZZZ			15:46																
ZZZZZZ			15:52																
ZZZZZZ			15:56																
ZZZZZZ			16:00																
ZZZZZZ			16:05																
MB 500-334709/1-A	1	R	16:09	X															
LCS 500-334709/2-A	1	R	16:13	X															
CCV 500-334919/67	1		16:18	X															
CCB 500-334919/68	1		16:22	X															
ZZZZZZ			16:25																
ZZZZZZ			16:29																
ZZZZZZ			16:34																
ZZZZZZ			16:39																
ZZZZZZ			16:43																
ZZZZZZ			16:49																
ZZZZZZ			16:54																
ZZZZZZ			16:58																
ZZZZZZ			17:02																
ZZZZZZ			17:06																
CCV 500-334919/79	1		17:11	X															
CCB 500-334919/80	1		17:15	X															
ZZZZZZ			17:18																
ZZZZZZ			17:23																
ZZZZZZ			17:28																
ZZZZZZ			17:33																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Chicago Job No.: 500-111319-1

SDG No.: _____

Instrument ID: ICP8 Method: 200.7 Rev 4.4

Start Date: 05/10/2016 11:14 End Date: 05/10/2016 19:23

Lab Sample ID	D / F	Type	Time	Analytes															
				A	S														
500-111319-1	1	R	17:38	X															
500-111319-2	1	R	17:42	X															
500-111319-3	1	R	17:47	X															
500-111319-4	1	R	17:51	X															
500-111319-5	1	R	17:56	X															
500-111319-6	1	R	18:02	X															
CCV 500-334919/91	1		18:06	X															
CCB 500-334919/92	1		18:10	X															
500-111319-7	1	R	18:15	X															
500-111319-8	1	R	18:19	X															
500-111319-9	1	R	18:24	X															
500-111319-10	1	R	18:30	X															
500-111319-11	1	R	18:35	X															
500-111319-12	1	R	18:39	X															
500-111319-13	1	R	18:43	X															
500-111319-14	1	R	18:47	X															
500-111319-15	1	R	18:52	X															
500-111319-16	1	R	18:56	X															
CCV 500-334919/103	1		19:02	X															
CCB 500-334919/104	1		19:06	X															
500-111319-17	1	R	19:10	X															
CCV 500-334919/106	1		19:15	X															
CCB 500-334919/107	1		19:19	X															
CCVL 500-334919/108			19:23																

Prep Types
R = Total Recoverable

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Chicago Job No.: 500-111319-1

SDG No.: _____

Instrument ID: ICP8 Method: 200.7 Rev 4.4

Start Date: 05/12/2016 18:53 End Date: 05/13/2016 00:45

Lab Sample ID	D / F	T y p e	Time	Analytes															
				A	S														
ZZZZZZ			18:53																
ZZZZZZ			18:57																
ZZZZZZ			19:02																
ZZZZZZ			19:06																
ZZZZZZ			19:10																
ICV 500-335323/6	1		19:15	X															
ICBIS 500-335323/7	1		19:19	X															
ZZZZZZ			19:24																
ZZZZZZ			19:28																
ZZZZZZ			19:33																
CRI 500-335323/11	1		19:38	X															
ICSA 500-335323/12	1		19:42	X															
ICSAB 500-335323/13	1		19:47	X															
CCV 500-335323/14	1		19:52	X															
CCB 500-335323/15	1		19:56	X															
ZZZZZZ			20:00																
MB 500-334710/1-A	1	R	20:04	X															
LCS 500-334710/2-A	1	R	20:08	X															
500-111319-18	1	R	20:13	X															
500-111319-19	5	R	20:18	X															
500-111319-19 SD	25	R	20:23	X															
500-111319-19 DU	5	R	20:28	X															
500-111319-19 MS	5	R	20:33	X															
500-111319-19 MSD	5	R	20:38	X															
ZZZZZZ			20:44																
500-111319-21	1	R	20:50	X															
CCV 500-335323/27	1		20:55	X															
CCB 500-335323/28	1		20:59	X															
500-111319-22	1	R	21:03	X															
500-111319-23	1	R	21:07	X															
500-111319-24	1	R	21:12	X															
500-111319-24 SD	5	R	21:16	X															
500-111319-24 DU	1	R	21:20	X															
500-111319-24 MS	1	R	21:25	X															
500-111319-24 MSD	1	R	21:29	X															
500-111319-25	1	R	21:33	X															
500-111319-26	1	R	21:38	X															
500-111319-27	1	R	21:44	X															
CCV 500-335323/39	1		21:49	X															
CCB 500-335323/40	1		21:53	X															
500-111319-28	1	R	21:58	X															
500-111319-29	1	R	22:02	X															

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Chicago Job No.: 500-111319-1

SDG No.: _____

Instrument ID: ICP8 Method: 200.7 Rev 4.4

Start Date: 05/12/2016 18:53 End Date: 05/13/2016 00:45

Lab Sample ID	D / F	T y p e	Time	Analytes															
				A	S														
500-111319-30	1	R	22:06	X															
ZZZZZZ			22:14																
ZZZZZZ			22:19																
ZZZZZZ			22:23																
ZZZZZZ			22:29																
ZZZZZZ			22:33																
ZZZZZZ			22:38																
ZZZZZZ			22:45																
CCV 500-335323/51	1		22:51	X															
CCB 500-335323/52	1		22:55	X															
ZZZZZZ			23:00																
ZZZZZZ			23:05																
ZZZZZZ			23:11																
ZZZZZZ			23:16																
ZZZZZZ			23:21																
ZZZZZZ			23:26																
ZZZZZZ			23:30																
ZZZZZZ			23:34																
ZZZZZZ			23:41																
ZZZZZZ			23:46																
CCV 500-335323/63			23:52																
CCB 500-335323/64			23:56																
ZZZZZZ			00:00																
ZZZZZZ			00:05																
ZZZZZZ			00:10																
ZZZZZZ			00:14																
ZZZZZZ			00:20																
ZZZZZZ			00:24																
ZZZZZZ			00:28																
ZZZZZZ			00:32																
CCV 500-335323/73			00:37																
CCB 500-335323/74			00:41																
ZZZZZZ			00:45																

Prep Types

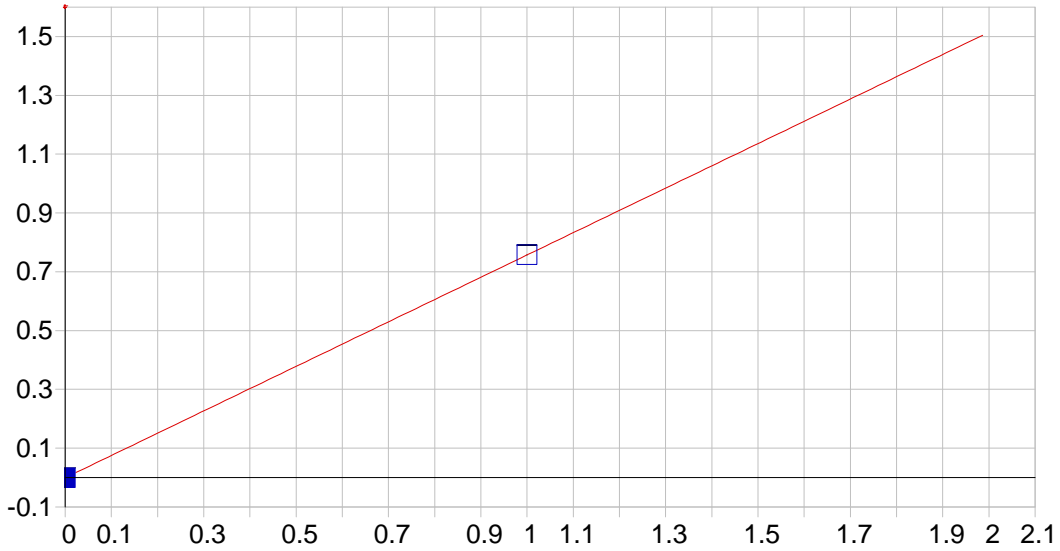
R = Total Recoverable

	Pos ID	Rack	Row	Col	Type	Samplename	Comment	CorrFact	Check
1	---	---	---	---	Cal	---	---	---	---
2	105	2	9	4	QC	S1	P6051316B	1	☒
3	106	2	10	4	QC	S2		1	☒
4	107	2	11	4	QC	ICV		1	☒
5	108	2	12	4	QC	ICB		1	☒
6	110	2	2	5	QC	ICVL		1	☒
7	166	3	10	4	QC	AL		1	☒
8	167	3	11	4	QC	FE		1	☒
9	111	2	3	5	QC	CRI		1	☒
10	112	2	4	5	QC	ICSA		1	☒
11	113	2	5	5	QC	ICSAB		1	☒
12	114	2	6	5	QC	CCV		1	☒
13	115	2	7	5	QC	CCB		1	☒
14	116	2	8	5	QC	MRL		1	☒
15	117	2	9	5	Unk	mb 500-335310/1-a		1	☒
16	118	2	10	5	Unk	lcs 500-335310/2-a		1	☒
17	119	2	11	5	Unk	500-111511-a-2-a		1	☒
18	120	2	12	5	Unk	500-111534-a-2-a		1	☒
19	121	3	1	1	Unk	111534-a-2-a SD@5		1	☒
20	122	3	2	1	Unk	500-111534-a-2-b du		1	☒
21	123	3	3	1	Unk	500-111534-a-2-c ms		1	☒
22	124	3	4	1	Unk	500-111470-a-2-a		1	☒
23	125	3	5	1	Unk	500-111472-a-2-a		1	☒
24	126	3	6	1	Unk	500-111386-b-1-a		1	☒
25	127	3	7	1	QC	CCV		1	☒
26	128	3	8	1	QC	CCB		1	☒
27	129	3	9	1	Unk	111320-a-15-a @10		1	☒
28	130	3	10	1	Unk	111320-a-15-a @50		1	☒
29	131	3	11	1	Unk	111319-a-20-a @500		1	☒
30	132	3	12	1	Unk	111320-a-18-a @5		1	☒
31	133	3	1	2	Unk	111320-a-20-a @5		1	☒
32	134	3	2	2	Unk	111320-a-25-a @10		1	☒
33	135	3	3	2	Unk	mb 500-335309/1-a		1	☒
34	136	3	4	2	Unk	lcs 500-335309/2-a		1	☒
35	137	3	5	2	Unk	500-111513-a-1-a		1	☒
36	138	3	6	2	Unk	500-111463-e-1-a		1	☒
37	139	3	7	2	QC	CCV		1	☒
38	140	3	8	2	QC	CCB		1	☒
39	141	3	9	2	Unk	111463-e-1-a SD@5		1	☒
40	142	3	10	2	Unk	500-111463-e-1-b du		1	☒
41	143	3	11	2	Unk	500-111463-e-1-c ms		1	☒
42	144	3	12	2	Unk	500-111507-a-1-a		1	☒
43	145	3	1	3	Unk	500-111507-a-3-a		1	☒
44	146	3	2	3	Unk	111527-c-1-a @10		1	☒
45	147	3	3	3	Unk	500-111503-b-1-a		1	☒
46	148	3	4	3	Unk	500-111503-b-2-a		1	☒
47	149	3	5	3	Unk	500-111503-b-3-a		1	☒
48	150	3	6	3	Unk	lb2 500-335022/1-b		1	☒
49	151	3	7	3	QC	CCV		1	☒
50	152	3	8	3	QC	CCB		1	☒
51	153	3	9	3	Unk	lcs 500-335149/2-a		1	☒
52	154	3	10	3	Unk	500-111337-a-1-b		1	☒
53	155	3	11	3	Unk	111337-a-1-b SD@5		1	☒
54	156	3	12	3	Unk	500-111337-a-1-c du		1	☒
55	157	3	1	4	Unk	500-111337-a-1-d ms		1	☒
56	Rinse	---	---	---	Rinse	Rinse	---	---	---
57	Rinse	---	---	---	Rinse	Rinse	---	---	---
58	158	3	2	4	Unk	mb 500-335311/1-a		1	☒
59	159	3	3	4	Unk	lcs 500-335311/2-a		1	☒

	Check Table	Fail Action
1	---	None
2	S1	None
3	S2	None
4	ICV	None
5	ICB	None
6	CCVLL	None
7	IEC	None
8	IEC	None
9	CRI	None
10	ICSA	None
11	ICSAB	None
12	CCV	None
13	CCB	None
14	CCVLL	None
15	RLTABLE	---
16	RLTABLE	---
17	RLTABLE	---
18	RLTABLE	---
19	RLTABLE	---
20	RLTABLE	---
21	RLTABLE	---
22	RLTABLE	---
23	RLTABLE	---
24	RLTABLE	---
25	CCV	None
26	CCB	None
27	RLTABLE	---
28	RLTABLE	---
29	RLTABLE	---
30	RLTABLE	---
31	RLTABLE	---
32	RLTABLE	---
33	RLTABLE	---
34	RLTABLE	---
35	RLTABLE	---
36	RLTABLE	---
37	CCV	None
38	CCB	None
39	RLTABLE	---
40	RLTABLE	---
41	RLTABLE	---
42	RLTABLE	---
43	RLTABLE	---
44	RLTABLE	---
45	RLTABLE	---
46	RLTABLE	---
47	RLTABLE	---
48	RLTABLE	---
49	CCV	None
50	CCB	None
51	RLTABLE	---
52	RLTABLE	---
53	RLTABLE	---
54	RLTABLE	---
55	RLTABLE	---
56	---	---
57	---	---
58	RLTABLE	---
59	RLTABLE	---

	Pos ID	Rack	Row	Col	Type	Samplename	Comment	CorrFact	Check
60	160	3	4	4	Unk	500-111220-a-10-b		1	<input checked="" type="checkbox"/>
61	161	3	5	4	Unk	111220-a-10-b SD@5		1	<input checked="" type="checkbox"/>
62	162	3	6	4	QC	CCV		1	<input checked="" type="checkbox"/>
63	163	3	7	4	QC	CCB		1	<input checked="" type="checkbox"/>
64	164	3	8	4	QC	CCVL		1	<input checked="" type="checkbox"/>
65	165	3	9	4	QC	CCVL		1	<input checked="" type="checkbox"/>

	Check Table	Fail Action
60	RLTABLE	---
61	RLTABLE	---
62	CCV	None
63	CCB	None
64	CCVLL	None
65	CCVLL	None

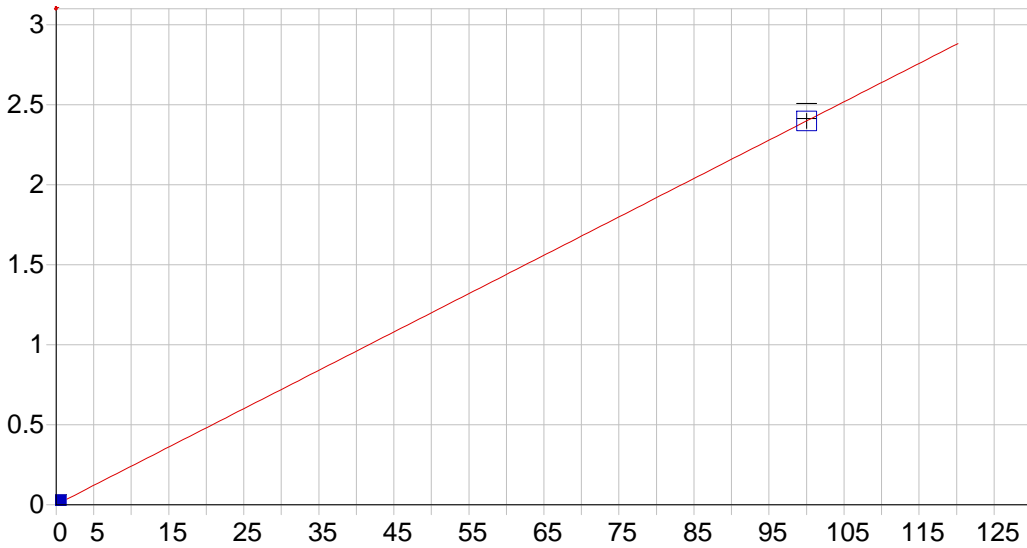


Ag 328.068 {103}

Date of Fit: 5/13/2016 21:10:43 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000591 Re-Slope: 1.000000
 A1 (Gain): 0.757716 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000680
 Predicted MQL: 0.002265

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00059	.000	1
S1	1.0000	1.0000	.000	.000	.75713	.000	1

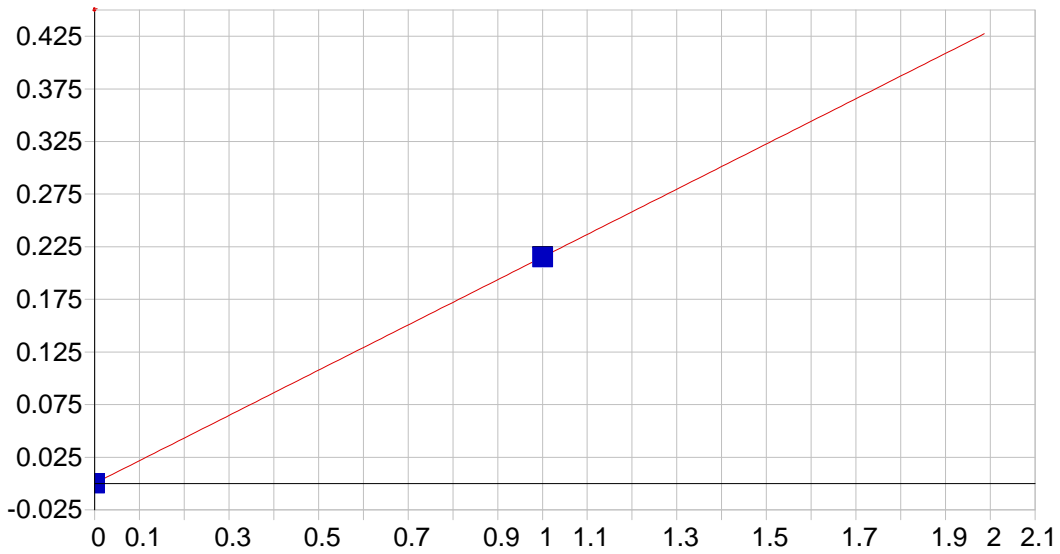


Al 308.215 {109}

Date of Fit: 5/13/2016 21:14:58 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000966 Re-Slope: 1.000000
 A1 (Gain): 0.023976 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.017530
 Predicted MQL: 0.058434

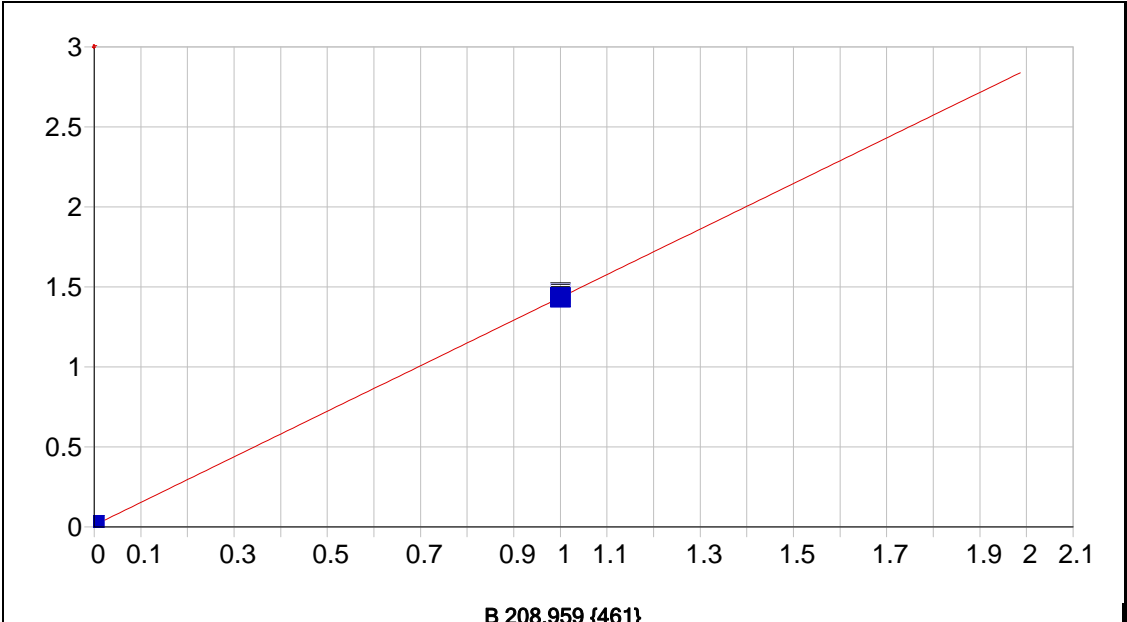
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00097	.000	1
S2	100.00	100.00	.000	.000	2.3986	.047	1



Date of Fit: 5/13/2016 21:10:43 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000190 Re-Slope: 1.000000
 A1 (Gain): 0.215013 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.002829
 Predicted MQL: 0.009430

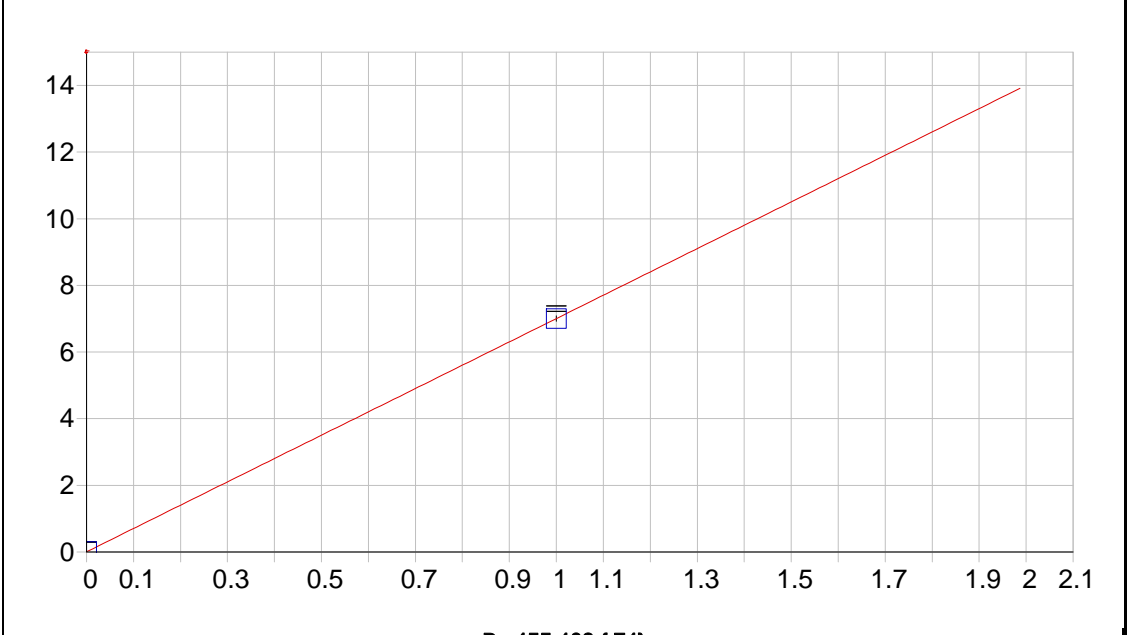
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00019	.000	1
S1	1.0000	1.00000	.000	.000	.21449	.000	1



Date of Fit: 5/13/2016 21:10:43 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.010992 Re-Slope: 1.000000
 A1 (Gain): 1.423415 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000422
 Predicted MQL: 0.001407

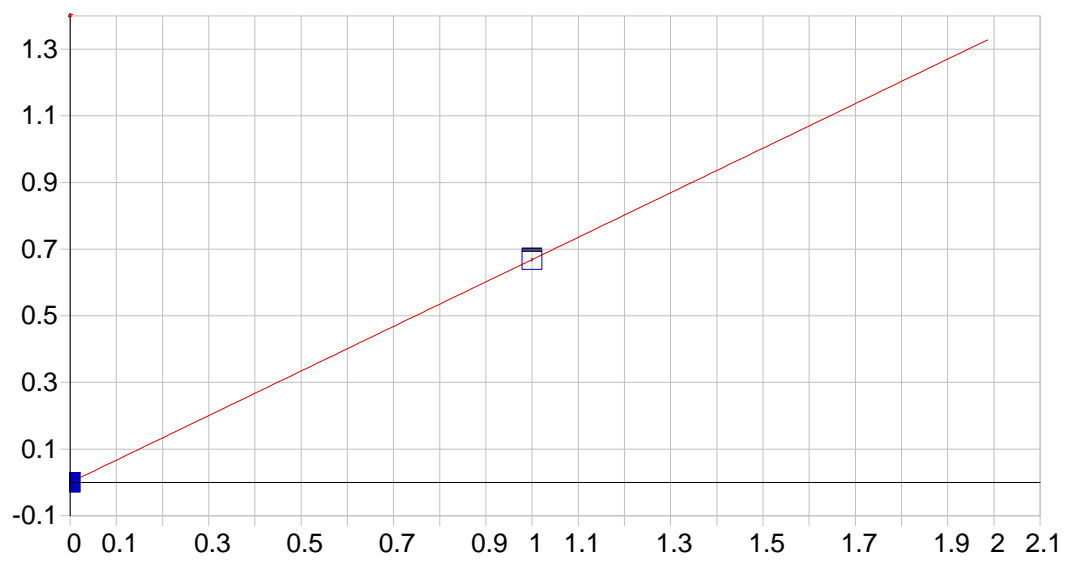
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.01099	.000	1
S1	1.0000	1.0000	.000	.000	1.4574	.004	1



Date of Fit: 5/13/2016 21:10:43 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004813 Re-Slope: 1.000000
 A1 (Gain): 7.000305 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000126
 Predicted MQL: 0.000419

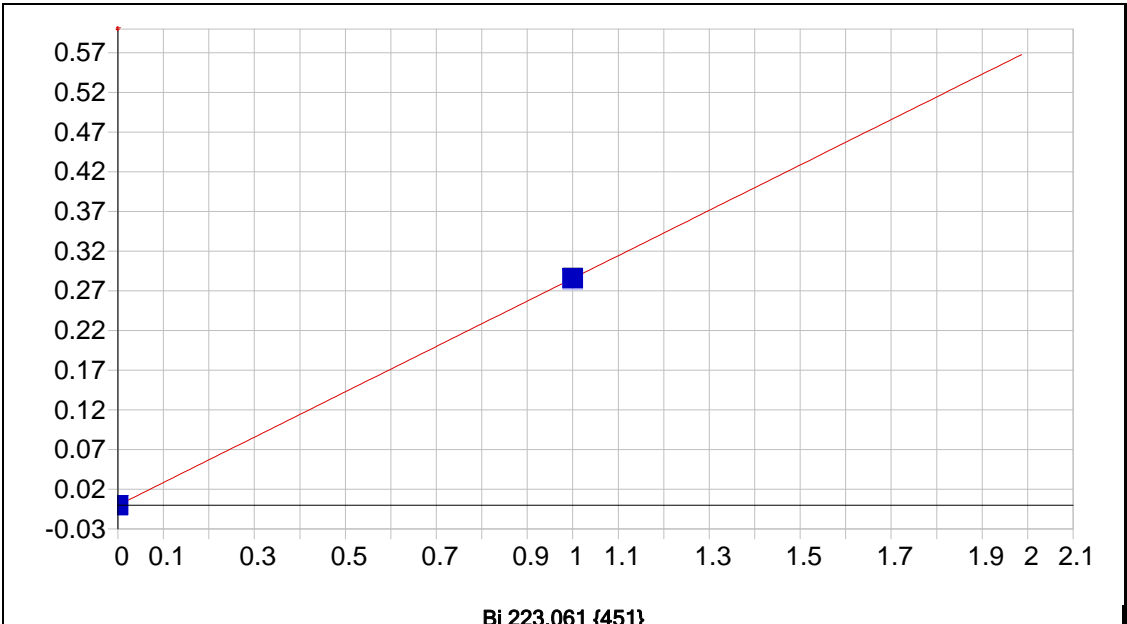
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00481	.001	1
S1	1.0000	1.0000	.000	.000	7.0051	.077	1



Be 234.861 {143}

Date of Fit: 5/13/2016 21:10:43 Type of Fit: Linear Weighting: 1/Conc
 A0 (Offset): 0.000063 Re-Slope: 1.000000
 A1 (Gain): 0.668652 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000353
 Predicted MQL: 0.001177

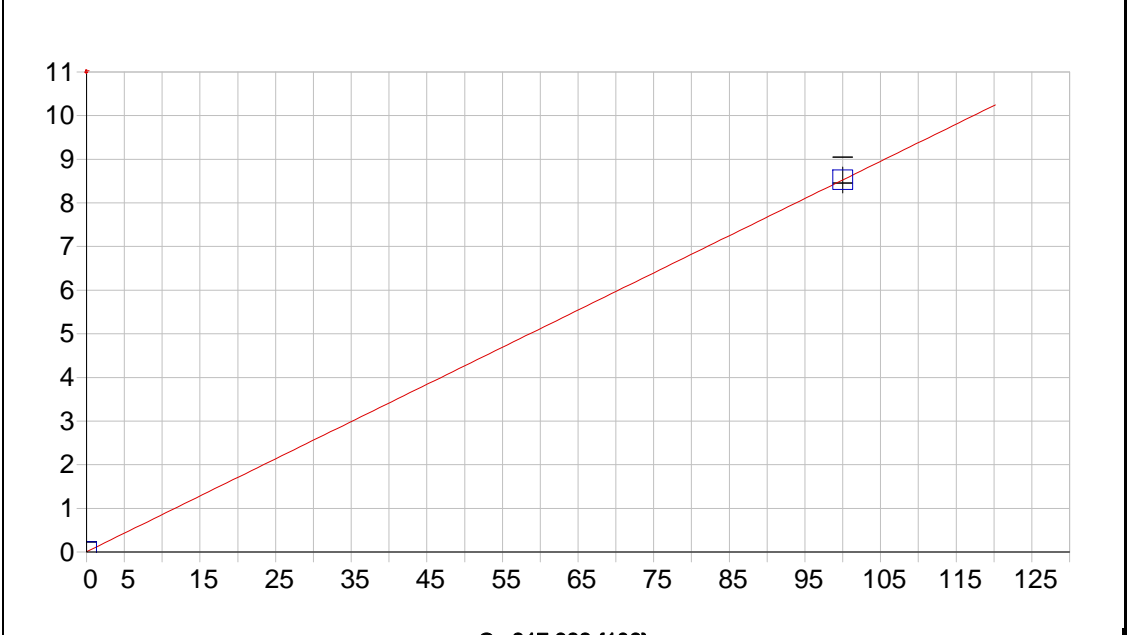
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00006	.000	1
S1	1.0000	1.0000	.000	.000	.66872	.004	1



Date of Fit: 5/13/2016 21:10:43 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000151 Re-Slope: 1.000000
 A1 (Gain): 0.285901 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.001839
 Predicted MQL: 0.006129

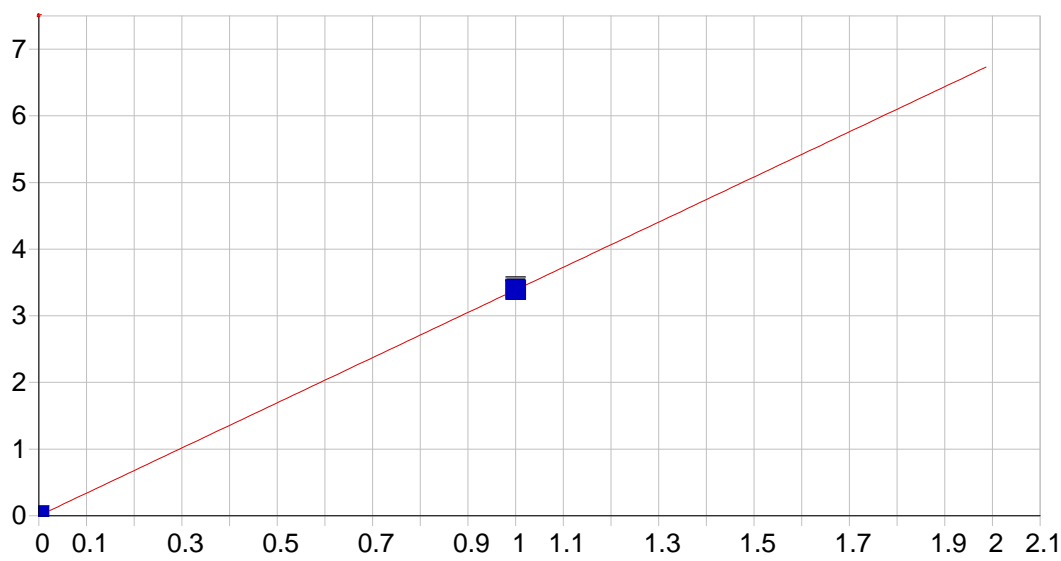
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00015	.000	1
S1	1.0000	1.0000	.000	.000	.28365	.000	1



Date of Fit: 5/13/2016 21:14:58 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004851 Re-Slope: 1.000000
 A1 (Gain): 0.085222 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.004020
 Predicted MQL: 0.013400

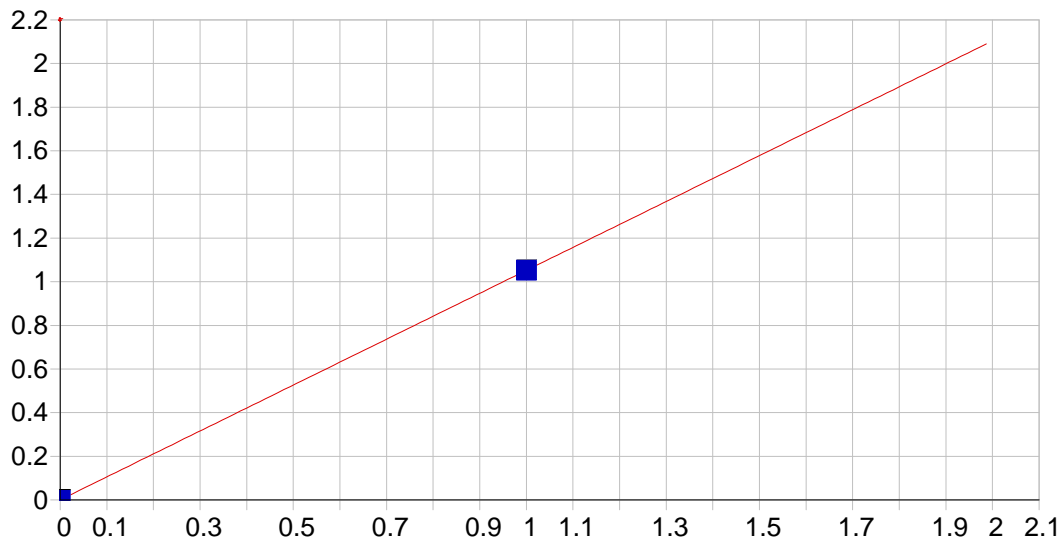
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00485	.000	1
S2	100.00	100.00	.000	.000	8.5271	.299	1



Cd 228.802 {447}

Date of Fit: 5/13/2016 21:10:44 Type of Fit: Linear Weighting: 1/Conc
 A0 (Offset): 0.000677 Re-Slope: 1.000000
 A1 (Gain): 3.388456 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000266
 Predicted MQL: 0.000886

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00068	.000	1
S1	1.0000	1.00000	.000	.000	3.4200	.011	1

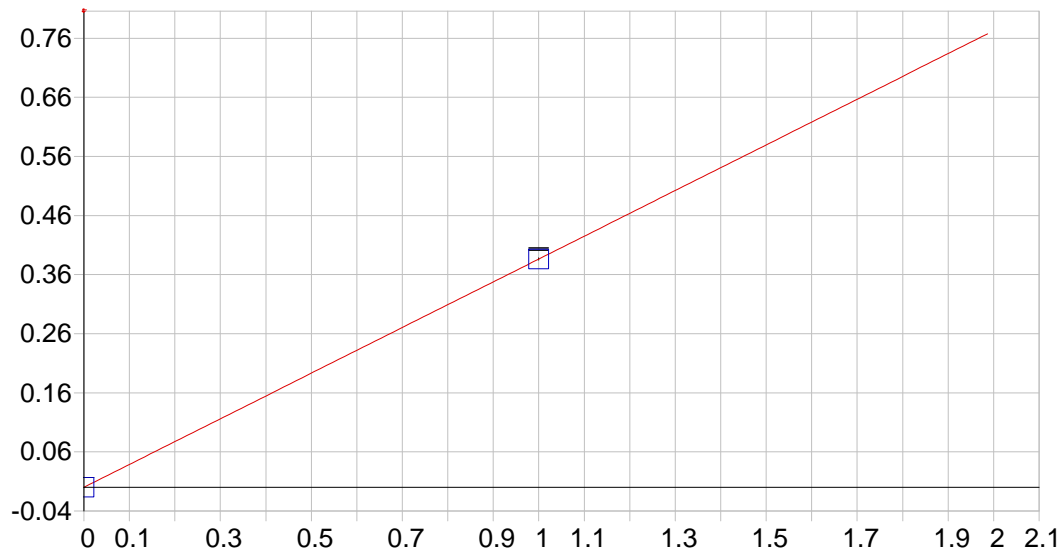


Co 228.616 {447}

Date of Fit: 5/13/2016 21:10:44 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000457 Re-Slope: 1.000000
 A1 (Gain): 1.051709 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000483
 Predicted MQL: 0.001609

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00046	.000	1
S1	1.0000	1.00000	.000	.000	1.0539	.000	1

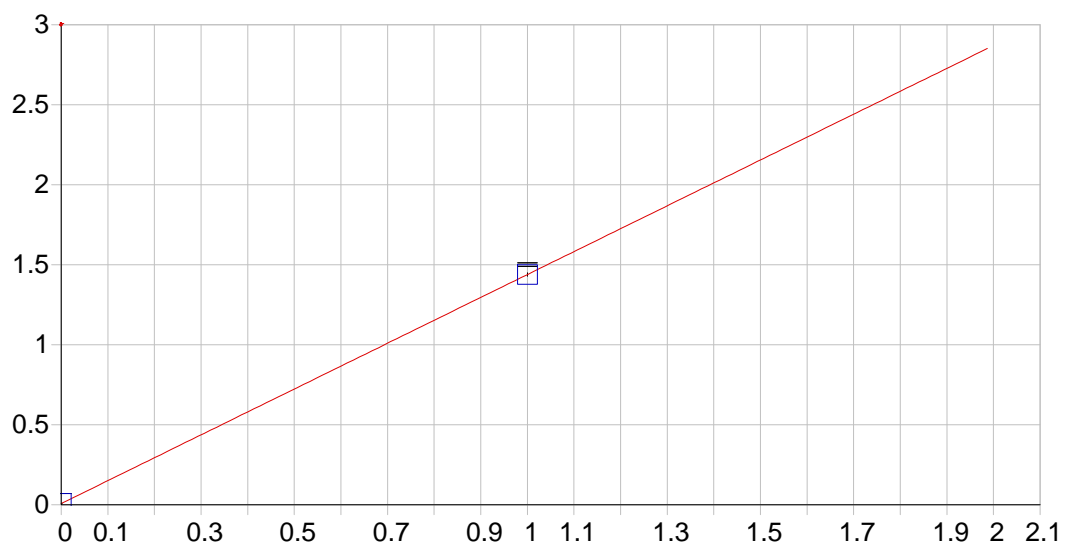


Cr 267.716 {126}

Date of Fit: 5/13/2016 21:10:44 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000137 Re-Slope: 1.000000
 A1 (Gain): 0.386227 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000860
 Predicted MQL: 0.002868

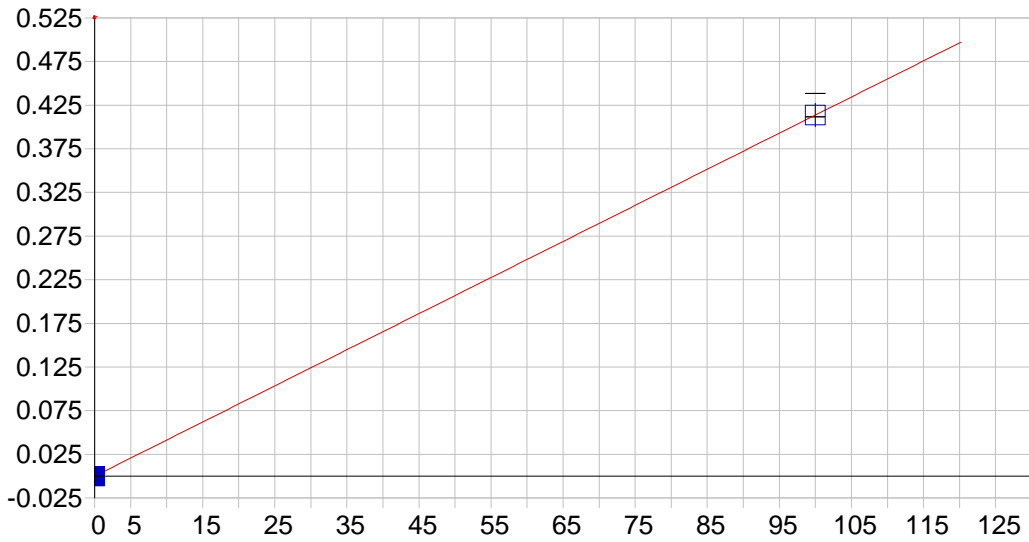
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00014	.000	1
S1	1.0000	1.0000	.000	.000	.38636	.002	1



Cu 324.754 {104}

Date of Fit: 5/13/2016 21:10:44 Type of Fit: Linear Weighting: 1/Conc
 A0 (Offset): 0.007529 Re-Slope: 1.000000
 A1 (Gain): 1.431427 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000354
 Predicted MQL: 0.001179

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00753	.000	1
S1	1.0000	1.0000	.000	.000	1.4390	.011	1

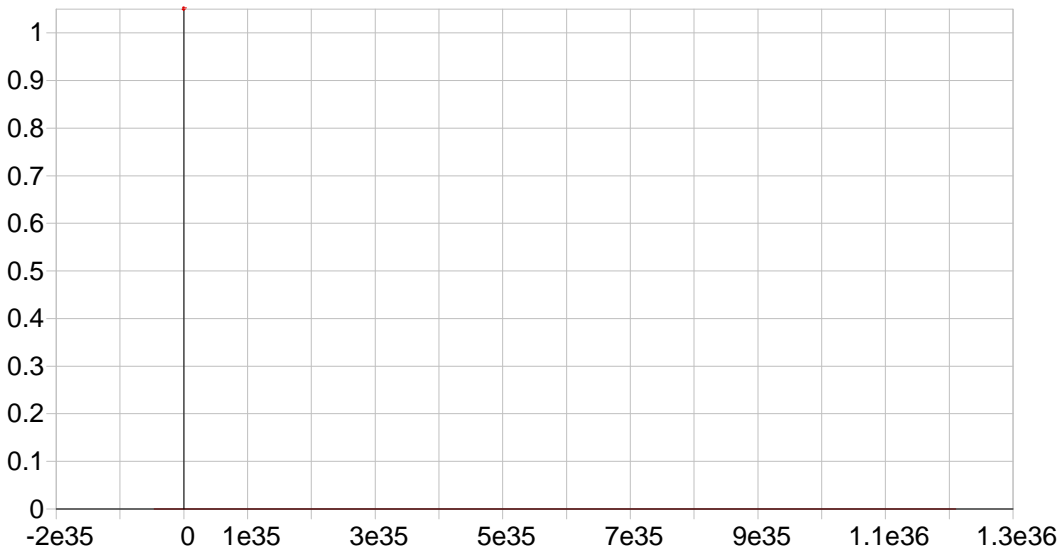


Fe 271.441 {124}

Date of Fit: 5/13/2016 21:14:58 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000005 Re-Slope: 1.000000
 A1 (Gain): 0.004137 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.056547
 Predicted MQL: 0.188489

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00000	.000	1
S2	100.00	100.000	.000	.000	.41368	.014	1

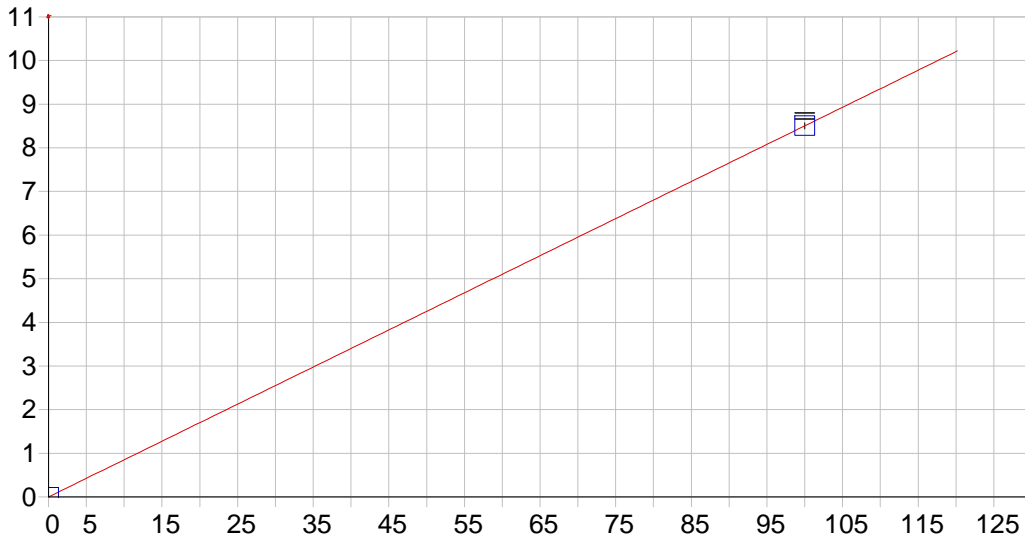


In 230.606 {446}*

Date of Fit: <not fit> Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000000 Re-Slope: 1.000000
 A1 (Gain): 0.000000 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.000000 Status: Warning Zero Gain
 Std Error of Est: 0.000000
 Predicted MDL: n/a
 Predicted MQL: n/a

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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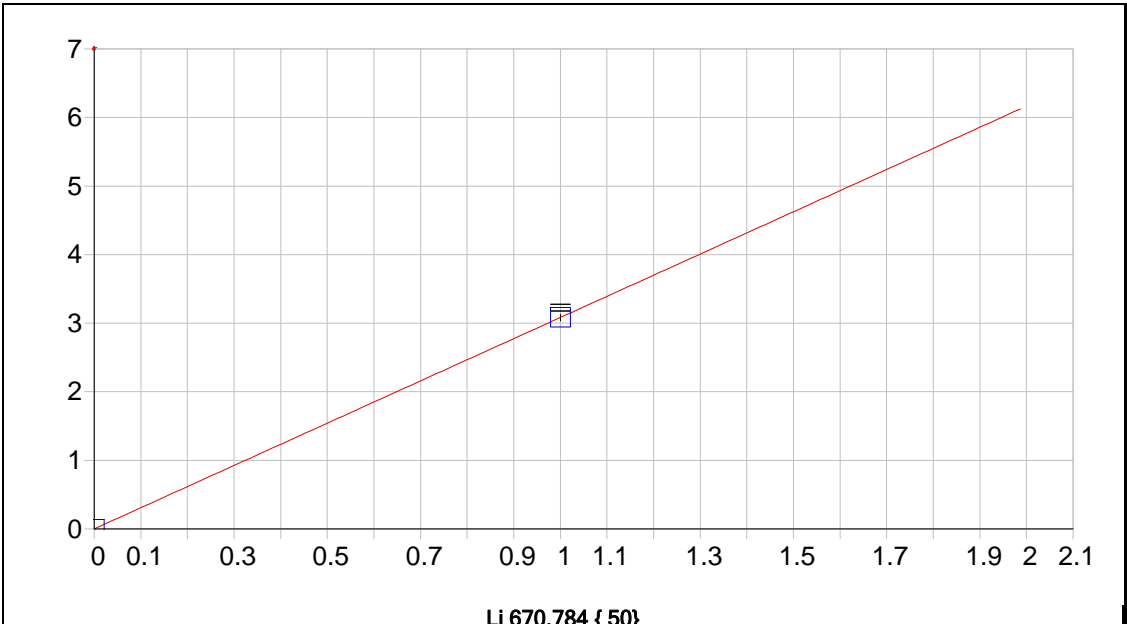


K 766.490 { 44}

Date of Fit: 5/13/2016 21:14:58 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000584 Re-Slope: 1.000000
 A1 (Gain): 0.085028 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.018113
 Predicted MQL: 0.060376

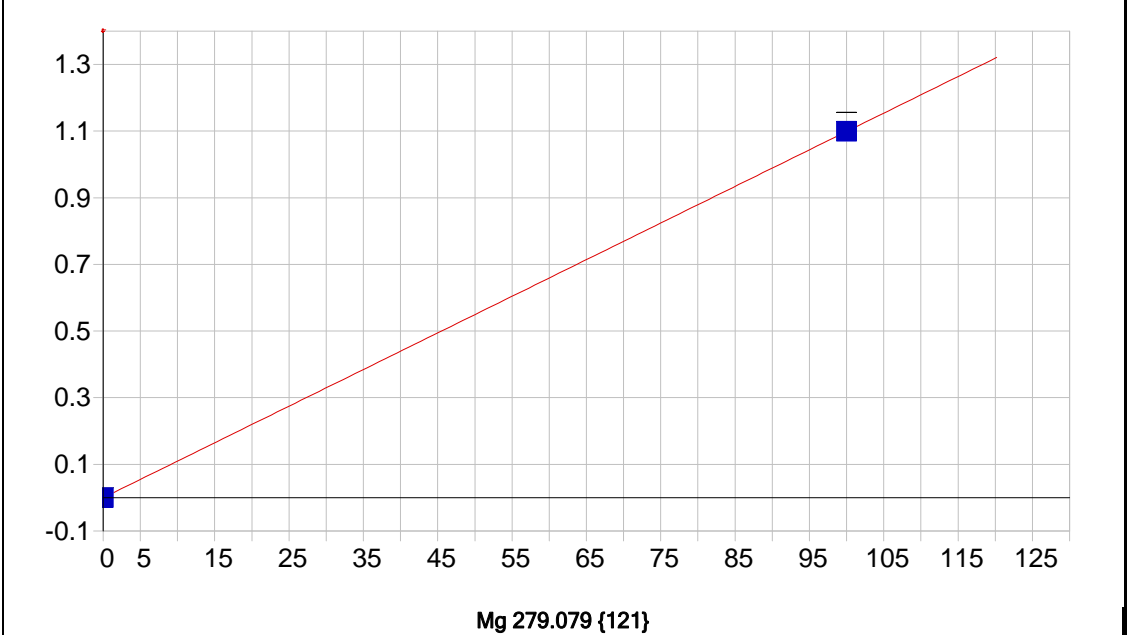
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00058	.000	1
S2	100.00	100.00	.000	.000	8.5034	.071	1



Date of Fit: 5/13/2016 21:10:44 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000818 Re-Slope: 1.000000
 A1 (Gain): 3.082584 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000538
 Predicted MQL: 0.001794

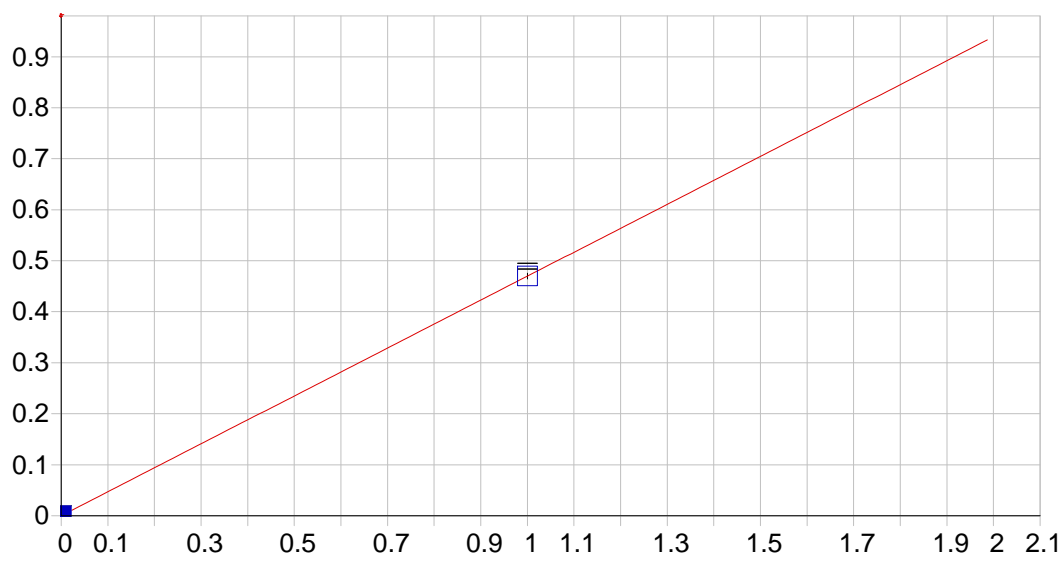
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00082	.001	1
S1	1.0000	1.0000	.000	.000	3.0834	.049	1



Date of Fit: 5/13/2016 21:14:58 Type of Fit: Linear Weighting: 1/Conc

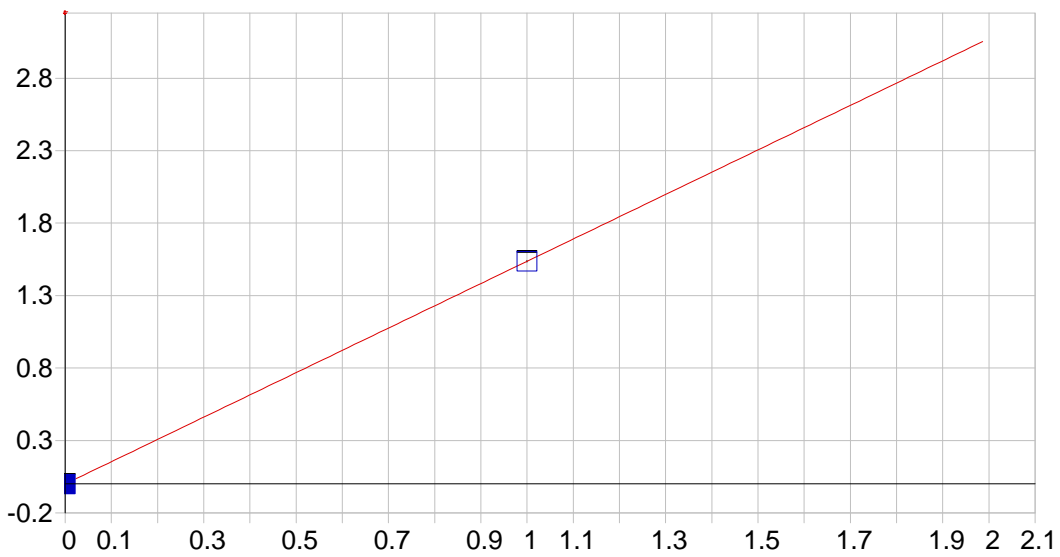
A0 (Offset): -0.000200 Re-Slope: 1.000000
 A1 (Gain): 0.010991 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.022343
 Predicted MQL: 0.074478

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00020	.000	1
S2	100.00	100.00	.000	.000	1.0986	.028	1



Date of Fit: 5/13/2016 21:10:44 Type of Fit: Linear Weighting: 1/Conc
 A0 (Offset): 0.000097 Re-Slope: 1.000000
 A1 (Gain): 0.469597 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000524
 Predicted MQL: 0.001748

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00010	.000	1
S1	1.0000	1.0000	.000	.000	.46969	.006	1

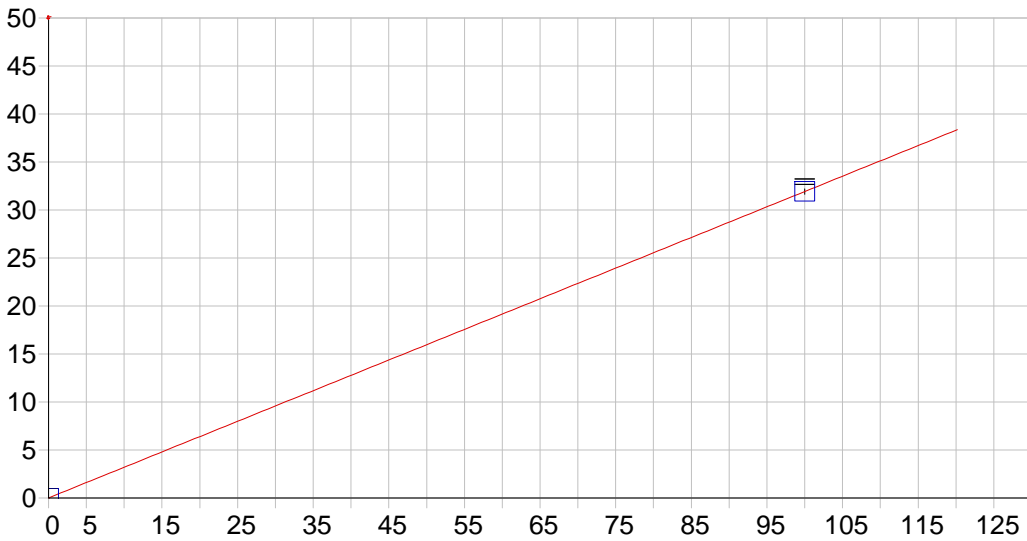


Mo 202.030 {467}

Date of Fit: 5/13/2016 21:10:44 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000375 Re-Slope: 1.000000
 A1 (Gain): 1.537242 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000429
 Predicted MQL: 0.001431

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00038	.000	1
S1	1.0000	1.0000	.000	.000	1.5369	.006	1

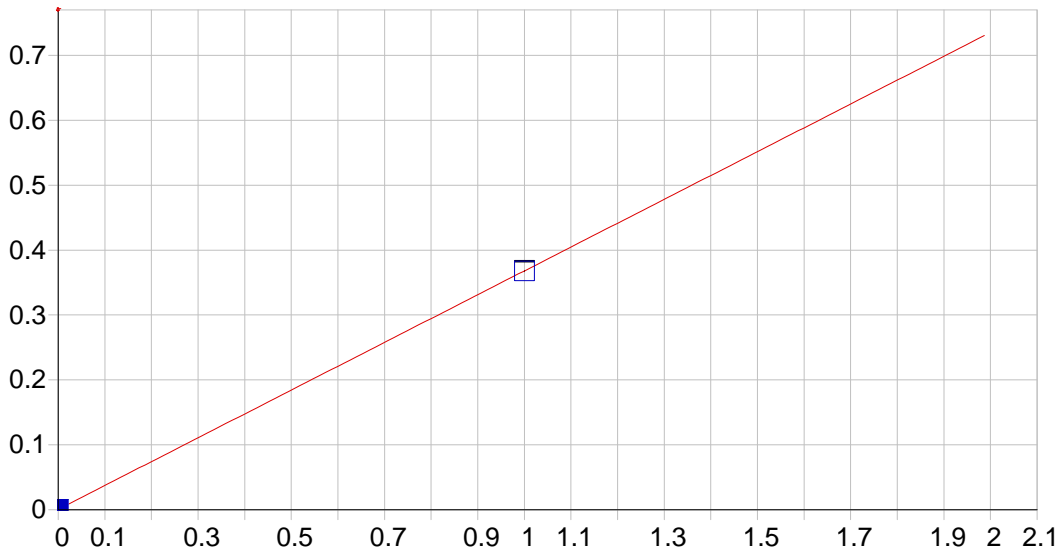


Na 589.592 { 57}

Date of Fit: 5/13/2016 21:14:58 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.010529 Re-Slope: 1.000000
 A1 (Gain): 0.319144 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.004587
 Predicted MQL: 0.015290

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.01053	.000	1
S2	100.00	100.00	.000	.000	31.925	.291	1

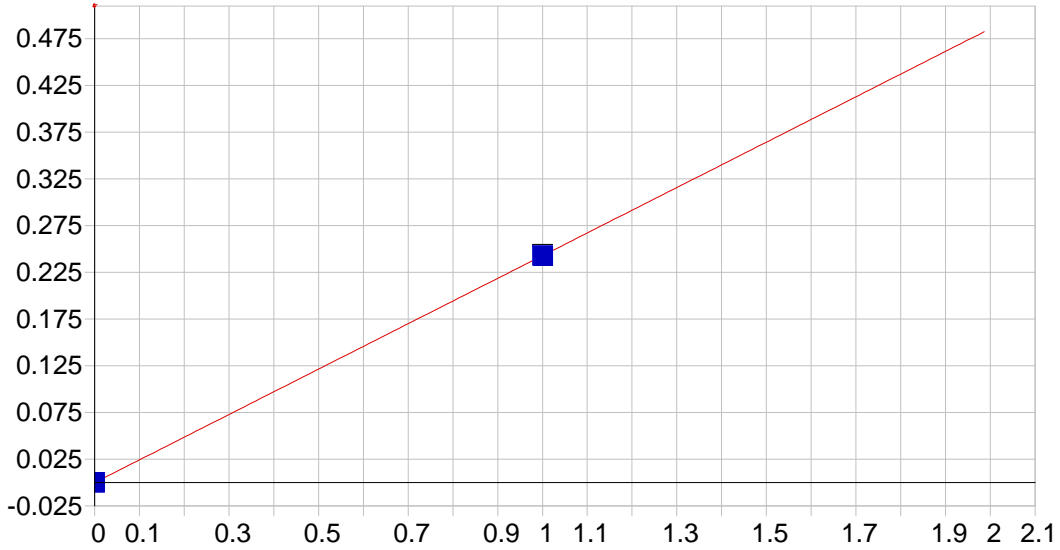


Ni 231.604 {446}

Date of Fit: 5/13/2016 21:10:44 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000688 Re-Slope: 1.000000
 A1 (Gain): 0.367286 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.001155
 Predicted MQL: 0.003849

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00069	.000	1
S1	1.0000	1.0000	.000	.000	.36797	.001	1

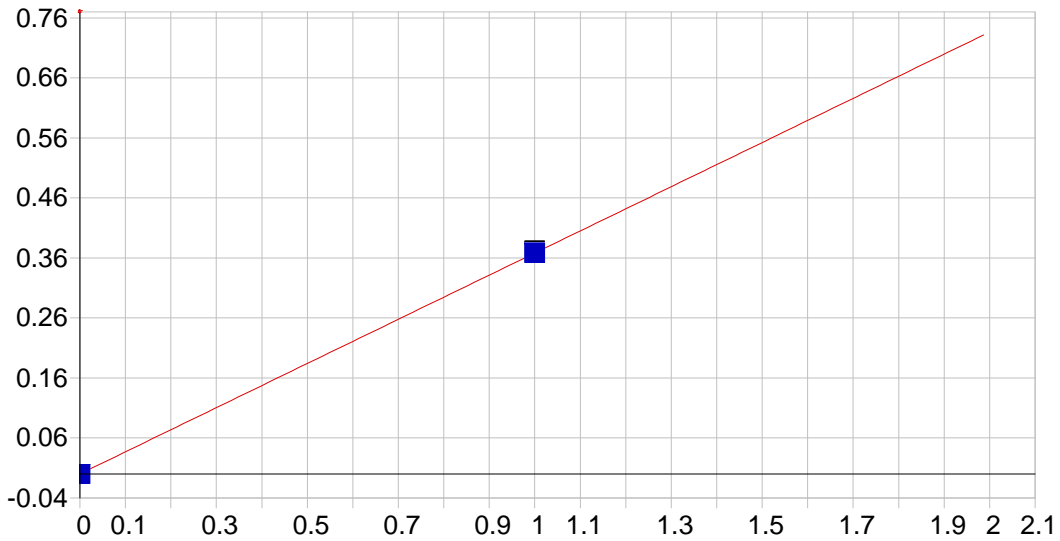


Pb 220.353 {453}

Date of Fit: 5/13/2016 21:10:44 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000040 Re-Slope: 1.000000
 A1 (Gain): 0.242918 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.002196
 Predicted MQL: 0.007320

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00004	.000	1
S1	1.0000	1.0000	.000	.000	.24302	.001	1

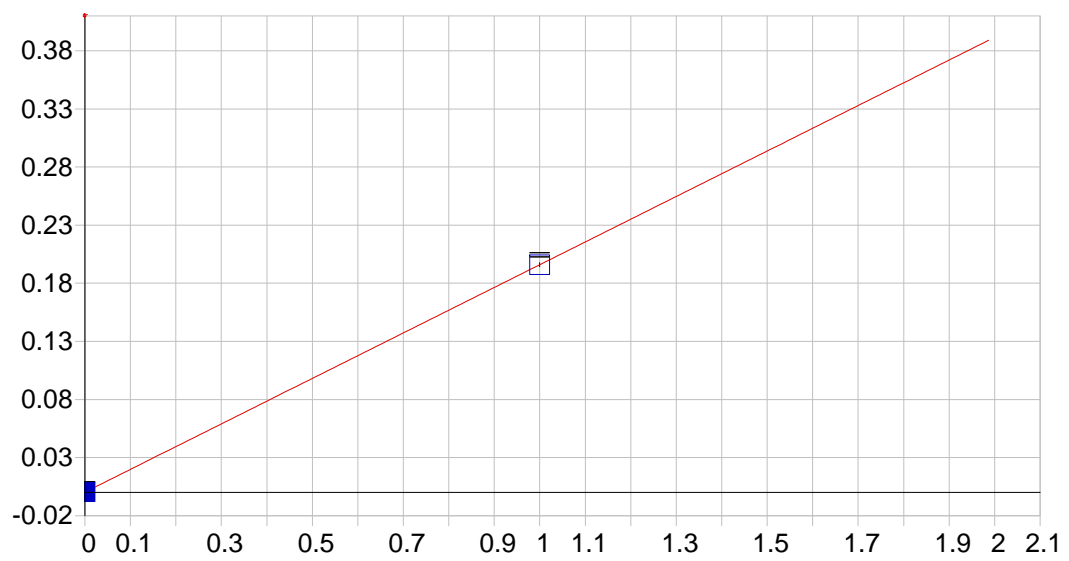


Sb 206.833 {463}

Date of Fit: 5/13/2016 21:10:44 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000081 Re-Slope: 1.000000
 A1 (Gain): 0.368161 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.001788
 Predicted MQL: 0.005961

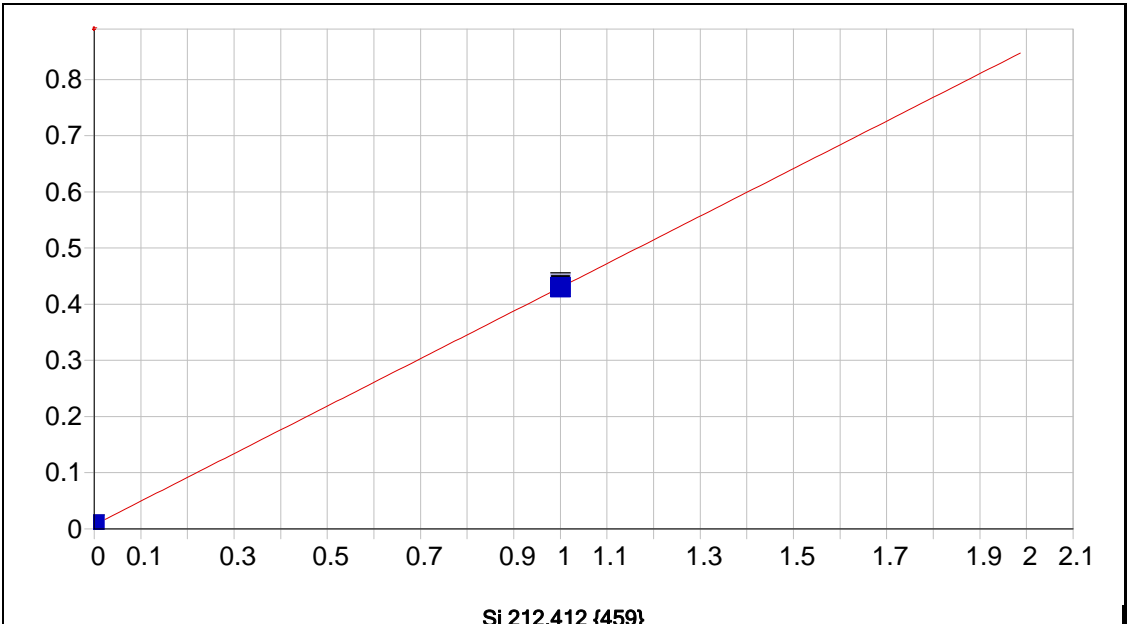
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00008	.000	1
S1	1.0000	1.0000	.000	.000	.36915	.003	1



Se 196.090 {472}

Date of Fit: 5/13/2016 21:10:44 Type of Fit: Linear Weighting: 1/Conc
 A0 (Offset): 0.000324 Re-Slope: 1.000000
 A1 (Gain): 0.195632 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.003240
 Predicted MQL: 0.010801

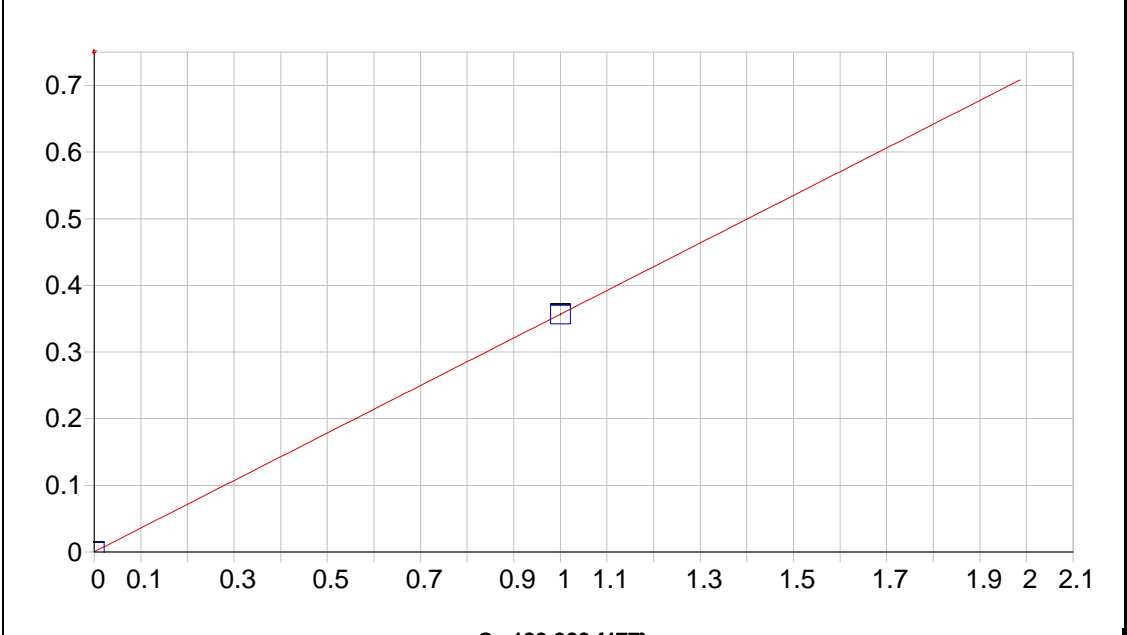
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00032	.001	1
S1	1.0000	1.0000	.000	.000	.19596	.002	1



Date of Fit: 5/13/2016 21:10:44 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.007205 Re-Slope: 1.000000
 A1 (Gain): 0.422873 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.001206
 Predicted MQL: 0.004020

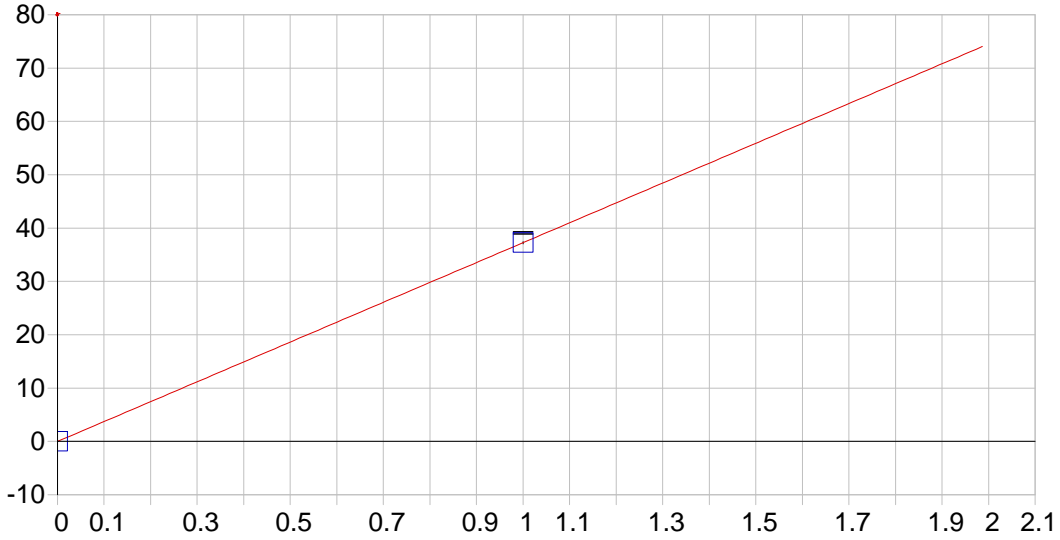
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00720	.000	1
S1	1.0000	1.0000	.000	.000	.43614	.002	1



Date of Fit: 5/13/2016 21:10:44 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000315 Re-Slope: 1.000000
 A1 (Gain): 0.356442 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.001309
 Predicted MQL: 0.004362

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00031	.000	1
S1	1.0000	1.0000	.000	.000	.35676	.001	1

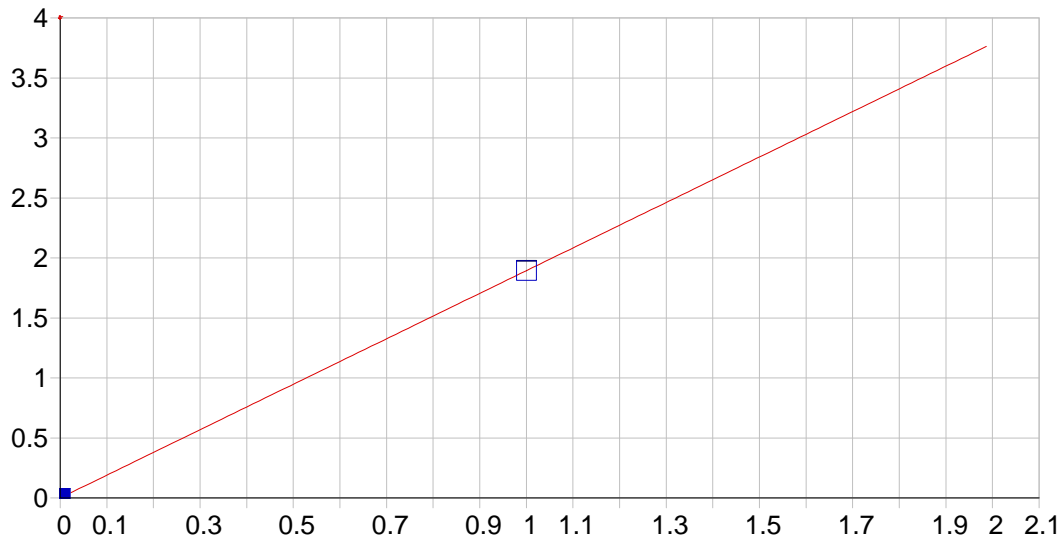


Sr 421.552 { 80}

Date of Fit: 5/13/2016 21:10:44 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000722 Re-Slope: 1.000000
 A1 (Gain): 37.264281 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000017
 Predicted MQL: 0.000057

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00072	.000	1
S1	1.0000	1.0000	.000	.000	37.264	.195	1

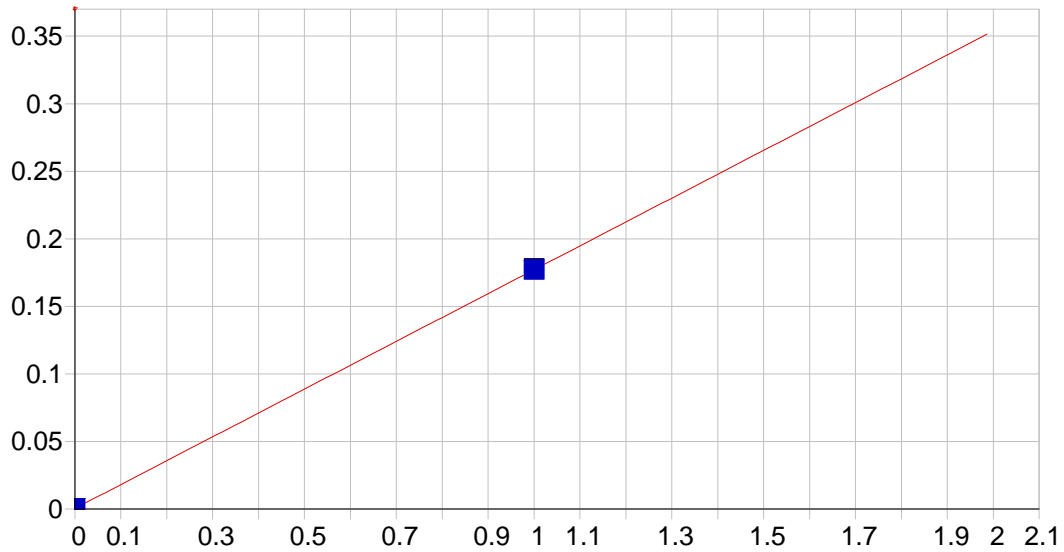


Ti 334.941 {101}

Date of Fit: 5/13/2016 21:10:44 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000363 Re-Slope: 1.000000
 A1 (Gain): 1.893526 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000186
 Predicted MQL: 0.000619

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00036	.000	1
S1	1.0000	1.0000	.000	.000	1.8939	.002	1

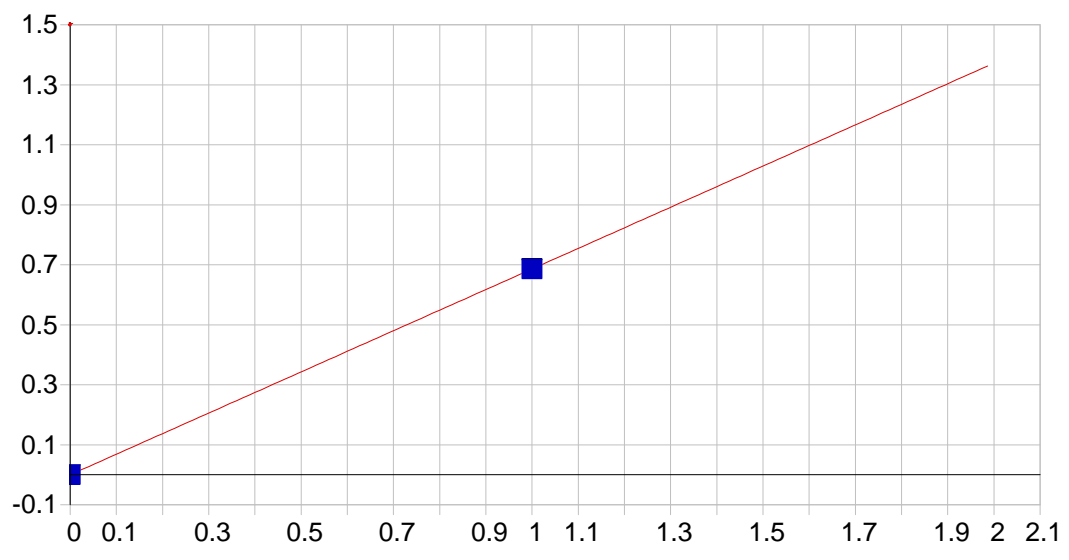


Ti 190.856 {477}

Date of Fit: 5/13/2016 21:10:44 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000419 Re-Slope: 1.000000
 A1 (Gain): 0.176685 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.001537
 Predicted MQL: 0.005122

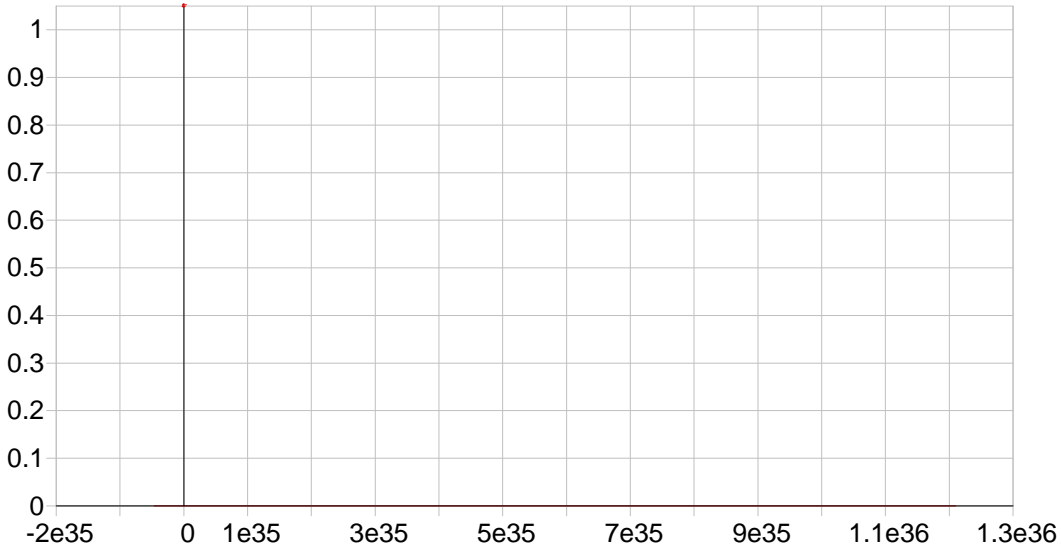
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00042	.000	1
S1	1.0000	1.0000	.000	.000	.17726	.000	1



V 292.402 {115}

Date of Fit: 5/13/2016 21:10:44 Type of Fit: Linear Weighting: 1/Conc
 A0 (Offset): -0.000144 Re-Slope: 1.000000
 A1 (Gain): 0.686053 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000637
 Predicted MQL: 0.002122

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00014	.000	1
S1	1.0000	1.00000	.000	.000	.68365	.001	1

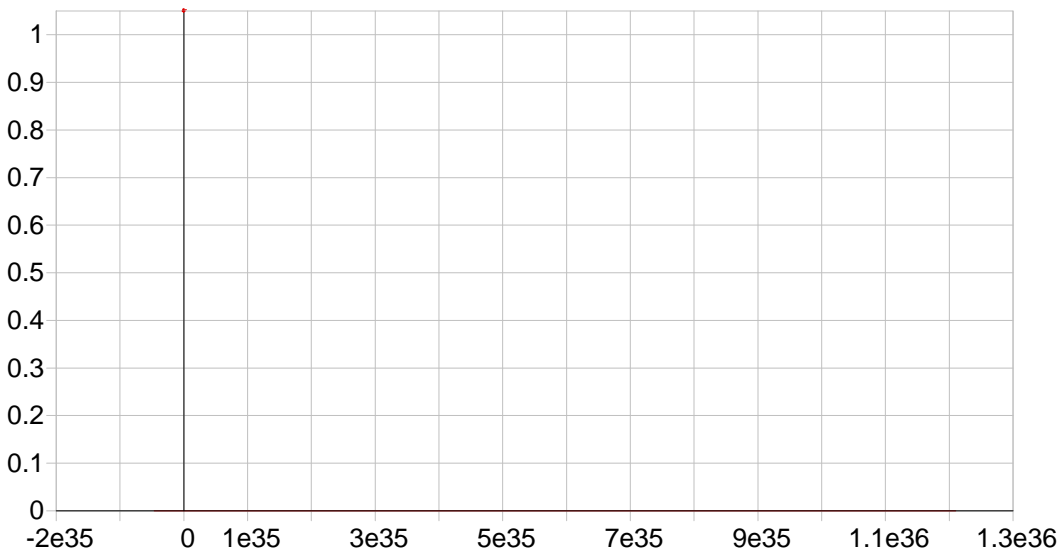


Y 224.306 {450}*

Date of Fit: 10/5/2015 16:16:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000000 Re-Slope: 1.000000
 A1 (Gain): 0.000000 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.000000 Status: Warning Zero Gain
 Std Error of Est: 0.000000
 Predicted MDL: n/a
 Predicted MQL: n/a

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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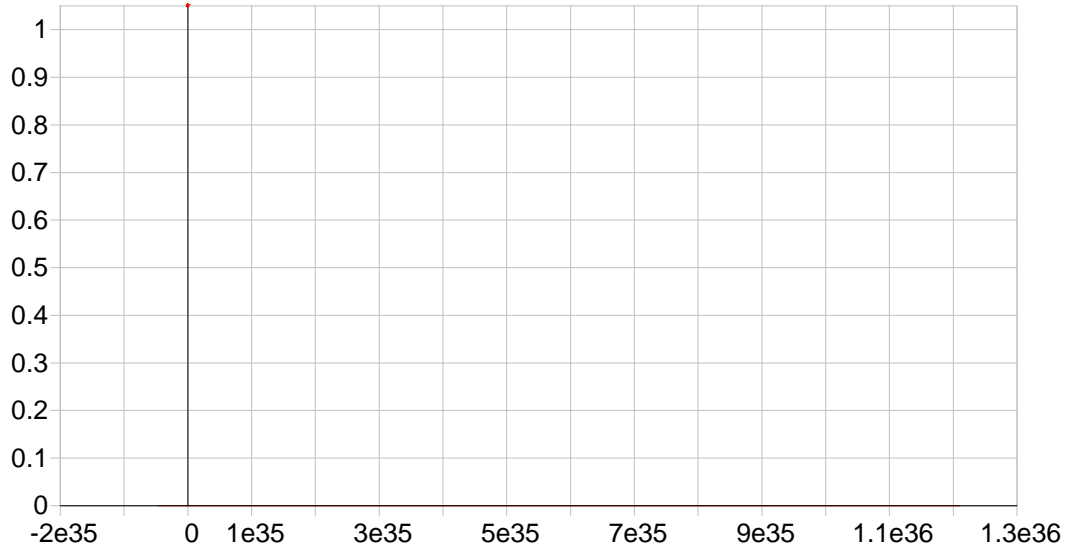
Y 360.073 {94}*

Date of Fit: 10/5/2015 16:16:37 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000000 Re-Slope: 1.000000
 A1 (Gain): 0.000000 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.000000 Status: Warning Zero Gain
 Std Error of Est: 0.000000
 Predicted MDL: n/a
 Predicted MQL: n/a

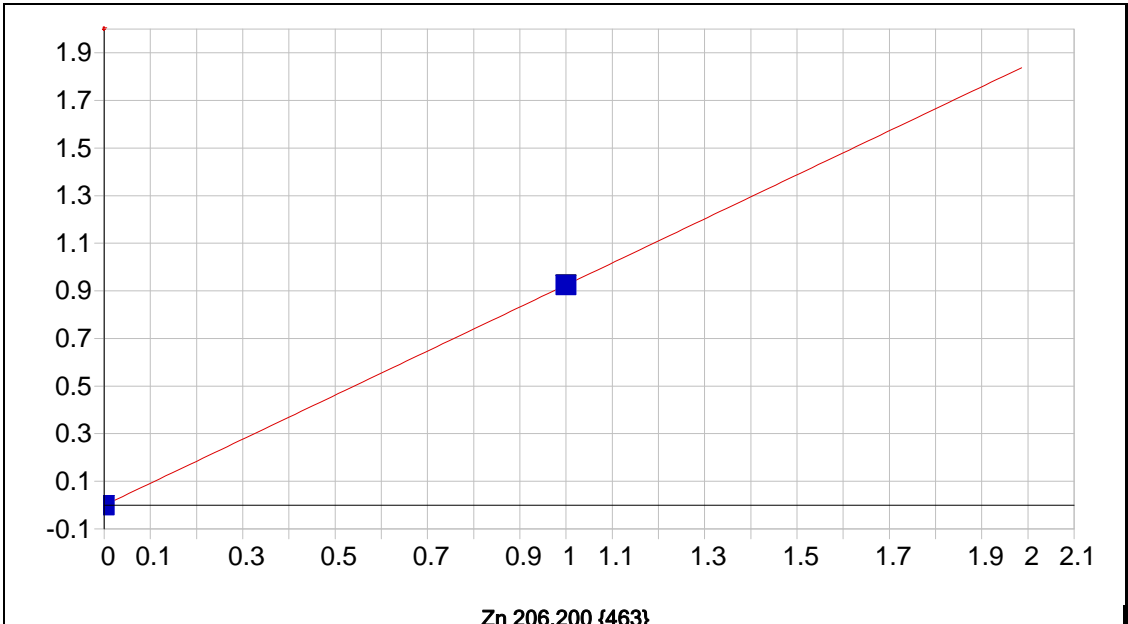
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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Date of Fit: 10/16/2015 12:43:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000000 Re-Slope: 1.000000
 A1 (Gain): 0.000000 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.000000 Status: Warning Zero Gain
 Std Error of Est: 0.000000
 Predicted MDL: n/a
 Predicted MQL: n/a

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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Date of Fit:	5/13/2016 21:10:44	Type of Fit:	Linear	Weighting:	1/Conc		
A0 (Offset):	-0.000785	Re-Slope:	1.000000				
A1 (Gain):	0.925555	Y-int:	0.000000				
A2 (Curvature):	0.000000						
n (Exponent):	1.000000						
Correlation:	1.000000	Status:	OK.				
Std Error of Est:	0.000000						
Predicted MDL:	0.000443						
Predicted MQL:	0.001477						
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00079	.000	1
S1	1.0000	1.0000	.000	.000	.92428	.000	1

Sample Name: Blank Acquired: 5/13/2016 21:02:21 Type: Cal
 Method: P6051316A Mode: IR Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.00059	.00097	.00019	.01099	.00481	.00006	-0.00015	.00485
Stddev	.00002	.00019	.00022	.00048	.00060	.00011	.00015	.00005
%RSD	2.6711	19.611	114.23	4.3803	12.502	178.46	98.769	1.1230

#1	-0.00060	.00110	.00004	.01065	.00524	.00014	-0.00005	.00481
#2	-0.00058	.00083	.00034	.01133	.00439	-0.00002	-0.00026	.00489

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Li6707	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0007	.00046	.00014	.00753	-0.00000	.00058	.0008	-0.00020
Stddev	.0003	.00035	.00015	.00033	.00007	.00036	.0006	.00002
%RSD	50.99	77.552	109.93	4.3737	1470.8	62.068	76.87	10.627

#1	.0009	.00071	.00003	.00776	-0.00005	.00084	.0004	-0.00021
#2	.0004	.00021	.00024	.00730	.00004	.00033	.0013	-0.00018

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00010	-0.00038	.01053	.00069	-0.00004	.00008	.00032	.00720
Stddev	.00005	.00027	.00001	.00025	.00024	.00011	.00055	.00037
%RSD	48.665	72.408	.05362	36.861	605.65	132.58	169.36	5.1036

#1	.00006	-0.00018	.01052	.00051	-0.00021	.00001	-0.00006	.00694
#2	.00013	-0.00057	.01053	.00087	.00013	.00016	.00071	.00746

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00031	-0.00072	.00036	.00042	-0.00014	-0.00079
Stddev	.00022	.00015	.00007	.00008	.00021	.00001
%RSD	71.281	20.217	20.096	18.484	148.06	1.0900

#1	.00016	-0.00082	.00031	.00036	.00001	-0.00078
#2	.00047	-0.00062	.00041	.00047	-0.00030	-0.00079

Sample Name: Blank Acquired: 5/13/2016 21:02:21 Type: Cal
Method: P6051316A Mode: IR Corr. Factor: 1.000000
User: LACYK analytical run: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1664.1	964.84	9109.2	6216.2
Stddev	46.8	39.28	166.7	128.3
%RSD	2.8114	4.0713	1.8302	2.0646
#1	1697.1	992.61	9227.0	6125.4
#2	1631.0	937.06	8991.3	6306.9

Sample Name: S1 Acquired: 5/13/2016 21:06:37 Type: Cal
Method: P6051316A Mode: IR Corr. Factor: 1.000000
User: LACYK analytical run: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	As1890	B_2089	Ba4554	Be2348	Bi2230	Cd2288	Co2286
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.75713	.21449	1.4574	7.0051	.66872	.28365	3.420	1.0539
Stddev	.00015	.00047	.0042	.0774	.00417	.00011	.011	.0004
%RSD	.02026	.21765	.28817	1.1042	.62311	.03761	.3201	.04282

#1	.75702	.21416	1.4545	7.0598	.67166	.28357	3.412	1.0542
#2	.75723	.21482	1.4604	6.9504	.66577	.28373	3.428	1.0536

Elem	Cr2677	Cu3247	Li6707	Mn2576	Mo2020	Ni2316	Pb2203	Sb2068
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.38636	1.4390	3.083	.46969	1.5369	.36797	.24302	.36915
Stddev	.00180	.0107	.049	.00564	.0058	.00100	.00123	.00261
%RSD	.46663	.74279	1.585	1.2011	.37598	.27088	.50571	.70748

#1	.38764	1.4314	3.118	.47368	1.5328	.36868	.24389	.36730
#2	.38509	1.4465	3.049	.46570	1.5410	.36727	.24215	.37100

Elem	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.19596	.43614	.35676	37.264	1.8939	.17726	.68365	.92428
Stddev	.00168	.00208	.00089	.195	.0018	.00045	.00081	.00029
%RSD	.85702	.47700	.24933	.52271	.09276	.25492	.11865	.03124

#1	.19477	.43467	.35613	37.126	1.8926	.17694	.68423	.92448
#2	.19714	.43761	.35739	37.401	1.8951	.17758	.68308	.92407

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1521.9	866.52	8169.3	6114.3
Stddev	.3	1.09	37.0	55.7
%RSD	.01988	.12530	.45261	.91114

#1	1521.7	867.29	8195.4	6074.9
#2	1522.1	865.76	8143.1	6153.7

Sample Name: S2 Acquired: 5/13/2016 21:10:48 Type: Cal
 Method: P6051316A Mode: IR Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Al3082	Ca3179	Fe2714	K_7664	Mg2790	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.3986	8.5271	.41368	8.5034	1.0986	31.925
Stddev	.0471	.2985	.01352	.0713	.0276	.291
%RSD	1.9633	3.5007	3.2671	.83839	2.5095	.91170

#1	2.4319	8.7382	.42324	8.5538	1.1181	32.131
#2	2.3653	8.3160	.40412	8.4530	1.0791	31.719

Int. Std.	Y_3710
Units	Cts/S
Avg	5753.4
Stddev	105.8
%RSD	1.8394

#1	5678.6
#2	5828.3

Sample Name: S1 Acquired: 5/13/2016 21:15:02 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment: P6051316B

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.000549	.0048615	1.005256	1.006221	1.022067	1.019624	1.012169
Stddev	.001892	.0030758	.003480	.003523	.026825	.028519	.005914
%RSD	.1891112	63.26790	.3461655	.3501640	2.624601	2.796997	.5842910

#1	.999211	.0070364	1.007717	1.008712	1.041035	1.039789	1.016351
#2	1.001887	.0026866	1.002796	1.003729	1.003098	.999458	1.007987

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0199425	1.006959	1.009089	1.000345	1.002528	.0884143	.0081439
Stddev	.0010490	.006090	.006038	.003172	.004693	.0426689	.0101188
%RSD	5.260313	.6047923	.5983320	.3170960	.4681591	48.26020	124.2501

#1	.0206843	1.011265	1.013358	.998102	.999209	.0582428	.0152990
#2	.0192007	1.002653	1.004820	1.002588	1.005847	.1185858	.0009888

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.026115	.0247904	1.010663	1.010257	-.002347	1.007174	1.004205
Stddev	.017565	.0174794	.029950	.006500	.003407	.003442	.005550
%RSD	1.711818	70.50857	2.963358	.6434064	145.1693	.3417964	.5526978

#1	1.038536	.0124307	1.031841	1.014853	.000062	1.009608	1.008130
#2	1.013695	.0371503	.989486	1.005661	-.004756	1.004740	1.000281

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

Sample Name: S1 Acquired: 5/13/2016 21:15:02 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment: P6051316B

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.009676	1.013548	1.003625	1.006709	1.009039	1.001697	1.010850
Stddev	.005304	.002316	.000519	.006227	.009646	.003789	.008397
%RSD	.5253642	.2285493	.0516863	.6185633	.9559285	.3782878	.8306547

#1	1.013427	1.011910	1.003992	1.011113	1.002219	.999017	1.016787
#2	1.005925	1.015186	1.003259	1.002306	1.015860	1.004376	1.004913

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.9979098	1.008540
Stddev	.0057109	.008430
%RSD	.5722831	.8358789

#1	.9938716	1.014501
#2	1.001948	1.002579

Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1513.668	862.6838	8163.152	6032.384
Stddev	6.422	2.7966	45.356	143.475
%RSD	.4242880	.3241722	.5556137	2.378417

#1	1509.126	860.7063	8195.223	5930.932
#2	1518.209	864.6612	8131.081	6133.836

Sample Name: S2 Acquired: 5/13/2016 21:19:12 Type: QC
Method: P6051316A Mode: CONC Corr. Factor: 1.000000
User: LACYK analytical run: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006243	99.39239	.0024300	.0005512	.0001810	.0005619	.0004814
Stddev	.0000696	1.04302	.0007393	.0000142	.0000467	.0005008	.0005739
%RSD	11.14743	1.049401	30.42318	2.579849	25.83357	89.12221	119.2257
#1	.0005751	100.1299	.0019073	.0005612	.0001479	.0009160	.0000755
#2	.0006735	98.6549	.0029528	.0005411	.0002140	.0002078	.0008872
Check ?	None	Chk Pass	None	None	None	None	None
Value							
Range							

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	99.03439	.0008687	.0000785	.0001400	.0032291	99.13040	99.72424
Stddev	1.71727	.0001004	.0000299	.0008988	.0002309	1.22875	.86454
%RSD	1.734014	11.55604	38.13920	641.9240	7.151713	1.239525	.8669349
#1	100.2487	.0009397	.0000996	-.000496	.0030658	99.99925	100.3356
#2	97.8201	.0007977	.0000573	.000776	.0033924	98.26154	99.1129
Check ?	Chk Pass	None	None	None	None	Chk Pass	Chk Pass
Value							
Range							

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018265	99.34667	.0005544	.0002081	100.6610	.0010391	.0025705
Stddev	.0000446	1.28883	.0001301	.0002144	2.1901	.0001545	.0010068
%RSD	2.440759	1.297311	23.46346	103.0295	2.175683	14.86906	39.16834
#1	.0018580	100.2580	.0006464	.0000565	102.2096	.0011483	.0032824
#2	.0017950	98.4353	.0004624	.0003597	99.1123	.0009298	.0018586
Check ?	None	Chk Pass	None	None	Chk Pass	None	None
Value							
Range							

Sample Name: S2 Acquired: 5/13/2016 21:19:12 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020874	-.002124	.0031983	.0023607	.0066871	.0012816	-.000408
Stddev	.0025033	.004920	.0000069	.0021488	.0000296	.0001374	.000667
%RSD	119.9231	231.6219	.2159309	91.02707	.4423161	10.72453	163.5325

#1	.0038575	-.005603	.0032032	.0038801	.0067080	.0013788	.000064
#2	.0003173	.001355	.0031935	.0008412	.0066662	.0011844	-.000880

Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0005915	.0012864
Stddev	.0000639	.0006317
%RSD	10.80312	49.10395

#1	.0005463	.0017331
#2	.0006367	.0008398

Check ?	None	None
Value		
Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1195.175	799.5183	7437.629	5792.182
Stddev	.264	1.2253	9.122	47.801
%RSD	.0221046	.1532500	.1226423	.8252735

#1	1195.362	800.3847	7431.179	5758.381
#2	1194.988	798.6519	7444.079	5825.983

Sample Name: ICV Acquired: 5/13/2016 21:23:27 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem Units	Ag3280 ppm	Al3082 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be2348 ppm	Bi2230 ppm
Avg	.3805891	39.32912	.4064719	.3946243	.4012487	.4121080	.3988028
Stddev	.0006587	1.26571	.0004370	.0003078	.0117453	.0117141	.0025982
%RSD	.1730800	3.218258	.1075115	.0780095	2.927186	2.842477	.6514870

#1	.3801233	40.22412	.4067809	.3948420	.4095539	.4203911	.4006400
#2	.3810549	38.43413	.4061629	.3944066	.3929435	.4038249	.3969656

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

Elem Units	Ca3179 ppm	Cd2288 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2714 ppm	K_7664 ppm
Avg	19.80881	.3913553	.4162694	.3887297	.3926513	20.08325	40.09737
Stddev	.38669	.0011398	.0033369	.0015364	.0000773	.50858	1.37259
%RSD	1.952091	.2912412	.8016245	.3952291	.0196960	2.532370	3.423137

#1	20.08224	.3921612	.4186290	.3876434	.3927060	20.44287	41.06793
#2	19.53538	.3905493	.4139099	.3898161	.3925966	19.72362	39.12680

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

Elem Units	Li6707 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	3.230286	20.18416	3.960747	.4000829	20.18794	.4144633	.4027005
Stddev	.132073	.48828	.093590	.0001279	.78904	.0010134	.0011043
%RSD	4.088580	2.419147	2.362947	.0319757	3.908461	.2445100	.2742310

#1	3.323675	20.52943	4.026925	.4001734	20.74588	.4151799	.4034814
#2	3.136896	19.83889	3.894568	.3999925	19.63001	.4137467	.4019196

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

Sample Name: ICV Acquired: 5/13/2016 21:23:27 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3958779	.3934265	.3651835	.4227902	.4005465	.4024597	.3898553
Stddev	.0013050	.0015830	.0034817	.0023067	.0018998	.0018743	.0010913
%RSD	.3296466	.4023529	.9534059	.5455805	.4742945	.4657094	.2799280

#1	.3968006	.3945459	.3676454	.4244213	.3992032	.4011344	.3906269
#2	.3949551	.3923072	.3627216	.4211592	.4018898	.4037850	.3890836

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	3.935237	.4268584
Stddev	.007274	.0012880
%RSD	.1848506	.3017494

#1	3.940381	.4277692
#2	3.930093	.4259476

Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1333.283	835.4645	7837.229	5947.923
Stddev	2.649	1.3324	31.680	128.763
%RSD	.1986842	.1594760	.4042271	2.164843

#1	1331.410	834.5223	7859.630	5856.874
#2	1335.156	836.4066	7814.828	6038.973

Sample Name: ICB Acquired: 5/13/2016 21:27:33 Type: QC
Method: P6051316A Mode: CONC Corr. Factor: 1.000000
User: LACYK analytical run: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005607	.0018966	-.001967	.0005943	-.000002	.0002459	-.001705
Stddev	.0003174	.0111114	.001668	.0002002	.000101	.0001156	.001069
%RSD	56.61004	585.8456	84.80224	33.68164	6161.329	47.00650	62.67719
#1	.0003363	.0097535	-.000788	.0007359	-.000073	.0003276	-.002461
#2	.0007851	-.005960	-.003147	.0004528	.000070	.0001642	-.000950
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002945	.0000845	-.000321	.0005614	.0005750	.0221954	.0101852
Stddev	.002402	.0000299	.000018	.0005250	.0001728	.0173946	.0057847
%RSD	81.53977	35.41722	5.631737	93.52051	30.04589	78.37035	56.79564
#1	-.004643	.0001057	-.000334	.0001901	.0006971	.0344952	.0142756
#2	-.001247	.0000634	-.000308	.0009326	.0004528	.0098955	.0060947
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000193	.0130678	.0004066	.0000647	-.007336	.0000766	-.000890
Stddev	.000007	.0086318	.0001614	.0004955	.003119	.0009429	.002334
%RSD	3.395731	66.05398	39.70202	766.3604	42.52330	1231.021	262.1449
#1	-.000189	.0191714	.0002925	.0004151	-.005130	.0007433	.000760
#2	-.000198	.0069642	.0005208	-.000286	-.009542	-.000590	-.002541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: ICB Acquired: 5/13/2016 21:27:33 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019398	-.002888	-.000365	.0010968	.0000591	.0001455	.0033730
Stddev	.0000359	.001929	.000788	.0013243	.0000135	.0000561	.0016110
%RSD	1.849467	66.78316	215.7704	120.7484	22.77852	38.55778	47.76246
#1	.0019144	-.001524	.000192	.0001603	.0000687	.0001852	.0045121
#2	.0019652	-.004252	-.000922	.0020332	.0000496	.0001058	.0022338
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0010149	-.000152
Stddev	.0006435	.000286
%RSD	63.40970	188.5867
#1	.0014699	-.000354
#2	.0005598	.000051
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1563.894	877.8813	8163.465	6084.411
Stddev	23.866	12.3940	5.865	69.390
%RSD	1.526075	1.411808	.0718411	1.140453
#1	1547.018	869.1174	8159.318	6035.345
#2	1580.770	886.6452	8167.612	6133.477

Sample Name: ICVL Acquired: 5/13/2016 21:30:57 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem Units	Ag3280 ppm	Al3082 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be2348 ppm	Bi2230 ppm
Avg	.0056104	.2044560	.0089889	.0510225	.0102217	.0042327	.0492286
Stddev	.0005574	.0137237	.0001714	.0000499	.0002511	.0002299	.0005799
%RSD	9.935313	6.712318	1.906883	.0978721	2.456341	5.432074	1.177870

#1	.0052163	.2141601	.0088677	.0510578	.0103992	.0040701	.0496386
#2	.0060046	.1947519	.0091101	.0509872	.0100441	.0043952	.0488186

Check ? Value Range	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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Elem Units	Ca3179 ppm	Cd2288 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2714 ppm	K_7664 ppm
Avg	.1915582	.0021492	.0049337	.0099614	.0103076	.2059035	.5119877
Stddev	.0067794	.0000854	.0001525	.0004432	.0002247	.0300499	.0135311
%RSD	3.539093	3.975365	3.090735	4.448772	2.180059	14.59418	2.642860

#1	.1963519	.0020888	.0050415	.0102748	.0101487	.2271520	.5024197
#2	.1867644	.0022097	.0048259	.0096481	.0104665	.1846550	.5215556

Check ? Value Range	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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Elem Units	Li6707 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0102905	.0900929	.0107467	.0099483	1.027377	.0106399	.0036760
Stddev	.0002917	.0017061	.0001832	.0000535	.005950	.0002791	.0032913
%RSD	2.834975	1.893659	1.704224	.5375735	.5791462	2.623221	89.53598

#1	.0104968	.0912993	.0106172	.0099861	1.031584	.0108373	.0013487
#2	.0100842	.0888866	.0108762	.0099105	1.023170	.0104426	.0060033

Check ? Value Range	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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Sample Name: ICVL Acquired: 5/13/2016 21:30:57 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0201391	.0126605	.1758339	.0404029	.0052681	.0052077	.0091038
Stddev	.0009009	.0007123	.0023425	.0008639	.0000037	.0002249	.0005883
%RSD	4.473384	5.626419	1.332243	2.138153	.0710334	4.319198	6.462450

#1	.0207761	.0131641	.1774903	.0410137	.0052708	.0053668	.0095198
#2	.0195021	.0121568	.1741775	.0397920	.0052655	.0050487	.0086877

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0050751	.0202253
Stddev	.0003122	.0002324
%RSD	6.151814	1.149057

#1	.0052959	.0203896
#2	.0048543	.0200610

Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1541.661	867.4422	8183.021	6113.462
Stddev	9.332	2.9860	2.447	91.318
%RSD	.6053386	.3442351	.0298997	1.493712

#1	1535.062	865.3307	8184.751	6048.891
#2	1548.260	869.5536	8181.291	6178.034

Sample Name: AL Acquired: 5/13/2016 21:35:13 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000055	F 520.3398	.0003023	.0008011	-.000111	.0003290
Stddev	.000183	7.4517	.0029208	.0008186	.000016	.0002335
%RSD	330.1733	1.432076	966.2567	102.1914	14.26829	70.96117

#1	.000074	525.6089	-.001763	.0002222	-.000100	.0001639
#2	-.000185	515.0707	.002368	.0013799	-.000122	.0004941

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.1000000				
Low Limit		-.1000000				

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003188	.0192235	.0000975	-.000565	-.000542	.0038363
Stddev	.000325	.0012499	.0000944	.000200	.000555	.0002705
%RSD	10.18362	6.501969	96.77089	35.40059	102.3426	7.052163

#1	-.002958	.0201073	.0000308	-.000423	-.000934	.0036450
#2	-.003417	.0183396	.0001642	-.000706	-.000150	.0040276

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0391032	-.002444	-.000371	.0088767	.0015702	.0002177
Stddev	.0278101	.005121	.000434	.0034917	.0004099	.0003503
%RSD	71.11983	209.5180	116.8444	39.33524	26.10382	160.8930

#1	.0587679	.001177	-.000678	.0064077	.0018600	-.000030
#2	.0194384	-.006066	-.000064	.0113457	.0012804	.000465

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

Sample Name: AL Acquired: 5/13/2016 21:35:13 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019893	.0013763	F -.002732	-.001243	.0014852	-.010864
Stddev	.0027481	.0000649	.001865	.000715	.0016191	.002101
%RSD	138.1418	4.717759	68.27805	57.51448	109.0138	19.33613

#1	.0000461	.0014222	-.001413	-.000737	.0026301	-.012349
#2	.0039325	.0013303	-.004051	-.001748	.0003403	-.009378

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.0025000			
Low Limit			-.002500			

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005380	.0000011	.0002570	-.001534	.0008301	.0055276
Stddev	.0011915	.0000095	.0001183	.000333	.0002413	.0003838
%RSD	221.4604	859.4651	46.03836	21.68216	29.06719	6.944070

#1	.0013806	-.000006	.0001733	-.001299	.0010007	.0052562
#2	-.000304	.000008	.0003407	-.001769	.0006595	.0057990

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1285.061	844.9781	7521.621	5570.809
Stddev	.893	3.0824	8.366	46.693
%RSD	.0694541	.3647945	.1112261	.8381661

#1	1285.692	842.7985	7527.536	5537.793
#2	1284.430	847.1577	7515.705	5603.826

Sample Name: FE Acquired: 5/13/2016 21:40:22 Type: QC
Method: P6051316A Mode: CONC Corr. Factor: 1.000000
User: LACYK analytical run: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003017	-.012337	-.000398	-.002934	-.000180	.0000958
Stddev	.0005380	.022554	.002628	.000212	.000035	.0002593
%RSD	178.3116	182.8176	660.4331	7.223288	19.57667	270.5278

#1	-.000079	.003611	-.002257	-.003084	-.000155	-.000087
#2	.000682	-.028284	.001461	-.002784	-.000205	.000279

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000541	.0003907	.0001575	-.000151	.0013159	.0021933
Stddev	.001032	.0017889	.0001422	.000271	.0004503	.0000272
%RSD	190.8497	457.8254	90.28441	179.2628	34.22148	1.239143

#1	.000189	-.000874	.0002580	.000040	.0016344	.0022125
#2	-.001270	.001656	.0000569	-.000343	.0009975	.0021741

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 194.7742	-.040769	-.000415	.0254829	.0002547	.0004433
Stddev	10.9853	.007555	.000016	.0008419	.0002410	.0001519
%RSD	5.640012	18.53016	3.834879	3.303595	94.59116	34.26039

#1	202.5419	-.046111	-.000404	.0260782	.0004251	.0005507
#2	187.0064	-.035428	-.000426	.0248876	.0000844	.0003359

Check ?	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
High Limit	.1000000					
Low Limit	-.1000000					

Sample Name: FE Acquired: 5/13/2016 21:40:22 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.016820	.0018447	.0024798	-.001799	.0007514	.0004023
Stddev	.000971	.0020849	.0002417	.001841	.0006206	.0005584
%RSD	5.775153	113.0219	9.747970	102.3214	82.58755	138.8072

#1	-.016134	.0003704	.0023089	-.003101	.0011903	.0007972
#2	-.017507	.0033189	.0026508	-.000497	.0003126	.0000074

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025134	.0000963	-.000354	-.000921	.0022550	.0008058
Stddev	.0006783	.0000184	.000130	.000127	.0004203	.0003584
%RSD	26.98935	19.15017	36.79126	13.78373	18.63921	44.47104

#1	.0020337	.0000833	-.000446	-.001010	.0025522	.0010592
#2	.0029931	.0001093	-.000262	-.000831	.0019578	.0005524

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1445.442	852.8938	7855.057	6116.402
Stddev	5.587	4.9675	141.055	266.107
%RSD	.3865409	.5824232	1.795724	4.350715

#1	1449.392	856.4063	7755.316	5928.236
#2	1441.491	849.3813	7954.798	6304.568

Sample Name: CRI Acquired: 5/13/2016 21:44:38 Type: QC
Method: P6051316A Mode: CONC Corr. Factor: 1.000000
User: LACYK analytical run: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0101957	.3872258	.0199650	.0992130	.0202447	.0082863	.0969761
Stddev	.0001994	.0165652	.0006283	.0004010	.0002011	.0005761	.0008852
%RSD	1.955497	4.277903	3.147151	.4041460	.9932662	6.952442	.9128155

#1	.0103367	.3989392	.0195207	.0989295	.0203869	.0086937	.0976020
#2	.0100547	.3755125	.0204093	.0994966	.0201025	.0078789	.0963502

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3822380	.0039462	.0099123	.0197954	.0205371	.4242785	1.003115
Stddev	.0071716	.0000426	.0000565	.0006288	.0002283	.0197924	.012660
%RSD	1.876224	1.079011	.5703550	3.176570	1.111854	4.664957	1.262106

#1	.3873091	.0039763	.0098724	.0193507	.0206985	.4382739	1.012067
#2	.3771669	.0039161	.0099523	.0202400	.0203756	.4102832	.994163

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0210771	.2074102	.0204551	.0200913	2.021532	.0197678	.0081692
Stddev	.0003238	.0038521	.0002268	.0004274	.008888	.0000828	.0008506
%RSD	1.536328	1.857257	1.108825	2.127469	.4396685	.4191137	10.41243

#1	.0213061	.2046863	.0206155	.0197890	2.027816	.0197092	.0075677
#2	.0208481	.2101340	.0202948	.0203935	2.015247	.0198264	.0087706

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

Sample Name: CRI Acquired: 5/13/2016 21:44:38 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0396466	.0167181	.3485235	.0794215	.0104158	.0100503	.0162324
Stddev	.0014546	.0020879	.0025021	.0022818	.0000117	.0000134	.0002240
%RSD	3.668829	12.48881	.7179176	2.872987	.1124306	.1333017	1.380166

#1	.0386181	.0152417	.3502927	.0810349	.0104075	.0100408	.0163908
#2	.0406752	.0181945	.3467542	.0778080	.0104241	.0100597	.0160740

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0104665	.0409499
Stddev	.0002773	.0007081
%RSD	2.649647	1.729054

#1	.0102704	.0414506
#2	.0106626	.0404492

Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1526.933	869.2265	8165.785	6103.533
Stddev	12.517	4.0057	20.873	74.938
%RSD	.8197350	.4608309	.2556094	1.227780

#1	1518.083	866.3940	8180.544	6050.543
#2	1535.784	872.0589	8151.026	6156.522

Sample Name: ICSA Acquired: 5/13/2016 21:48:52 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.000357	514.9422	-0.003465	-0.002109	-0.000147	.0001098	-0.005472
Stddev	.000047	.4334	.001038	.000141	.000048	.0003212	.002352
%RSD	13.21002	.0841661	29.96948	6.696506	32.81606	292.5689	42.98739
#1	-0.000324	515.2487	-0.004199	-0.002209	-0.000181	.0003369	-.007135
#2	-0.000390	514.6357	-0.002731	-0.002009	-0.000113	-.000117	-.003808
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	472.9818	.0011254	-0.000142	.0013826	.0021509	190.9470	-0.014151
Stddev	5.4416	.0001651	.000063	.0005098	.0000478	.0517	.002753
%RSD	1.150479	14.66625	44.32634	36.86854	2.223060	.0270748	19.45782
#1	469.1341	.0010087	-0.000097	.0017431	.0021847	190.9104	-.016098
#2	476.8296	.0012421	-0.000186	.0010222	.0021171	190.9836	-.012204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0107910	511.1222	.0006802	.0001834	.0067390	.0026721	-.001268
Stddev	.0001361	.1732	.0001111	.0014410	.0009305	.0000394	.000831
%RSD	1.261386	.0338782	16.32602	785.8666	13.80737	1.476056	65.51589
#1	.0106947	510.9997	.0006017	.0012023	.0060810	.0027000	-.000681
#2	.0108872	511.2446	.0007587	-.000836	.0073969	.0026442	-.001856
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: ICSA Acquired: 5/13/2016 21:48:52 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002661	.0043572	-.002324	.0073042	.0045980	-.002308	-.003425
Stddev	.003985	.0019482	.003246	.0007489	.0000178	.000488	.000733
%RSD	149.7740	44.71223	139.6495	10.25324	.3874456	21.13708	21.40261

#1	.000157	.0029796	-.004619	.0067746	.0046106	-.001963	-.003943
#2	-.005478	.0057348	-.000029	.0078338	.0045854	-.002654	-.002907

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0010424	.0033752
Stddev	.0004103	.0010237
%RSD	39.36551	30.33017

#1	.0007522	.0026514
#2	.0013325	.0040991

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1049.959	741.7322	6931.718	5457.613
Stddev	6.126	4.0378	1.527	3.345
%RSD	.5834809	.5443737	.0220294	.0612924

#1	1054.291	744.5873	6930.639	5459.979
#2	1045.627	738.8770	6932.798	5455.248

Sample Name: ICSAB Acquired: 5/13/2016 21:54:05 Type: QC

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2066396	517.0868	.0916432	-.001916	.5096519	.5458981	-.005003
Stddev	.0015199	2.9693	.0023159	.000963	.0023106	.0026553	.002193
%RSD	.7355140	.5742427	2.527053	50.29771	.4533667	.4864183	43.83022

#1	.2077143	519.1864	.0900057	-.002597	.5112857	.5477758	-.006554
#2	.2055649	514.9871	.0932808	-.001234	.5080180	.5440205	-.003453

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	472.7079	1.002653	.5307240	.4664844	.5428644	191.3498	-.029854
Stddev	12.8653	.000212	.0010793	.0030181	.0024746	1.7860	.010751
%RSD	2.721609	.0211048	.2033702	.6469829	.4558415	.9333607	36.01242

#1	481.8050	1.002802	.5299607	.4686185	.5446142	192.6127	-.037457
#2	463.6108	1.002503	.5314872	.4643503	.5411146	190.0869	-.022252

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0107180	512.0856	.4889944	-.000895	.0080432	1.026211	.0507962
Stddev	.0001219	3.0985	.0018110	.000484	.0019760	.002468	.0045922
%RSD	1.137564	.6050792	.3703478	54.12496	24.56752	.2405067	9.040387

#1	.0106318	514.2766	.4902749	-.001237	.0066460	1.024466	.0540434
#2	.0108042	509.8946	.4877138	-.000552	.0094405	1.027957	.0475491

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

Sample Name: ICSAB Acquired: 5/13/2016 21:54:05 Type: QC

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5650119	.0437536	-.005473	.0062979	.0046281	-.001778	.0815179
Stddev	.0003334	.0048670	.000524	.0005470	.0000293	.000517	.0037254
%RSD	.0590139	11.12357	9.572141	8.685957	.6323817	29.06541	4.570073

#1	.5652477	.0403121	-.005103	.0059111	.0046488	-.001412	.0841522
#2	.5647761	.0471951	-.005843	.0066847	.0046074	-.002143	.0788836

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.4815284	1.063654
Stddev	.0001283	.000873
%RSD	.0266477	.0821164

#1	.4816191	1.064272
#2	.4814376	1.063036

Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1053.081	744.6683	6937.595	5450.263
Stddev	.904	.1153	19.883	24.128
%RSD	.0858852	.0154870	.2866015	.4426919

#1	1053.720	744.7499	6923.536	5433.202
#2	1052.441	744.5868	6951.655	5467.324

Sample Name: CCV Acquired: 5/13/2016 21:59:09 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4642741	49.63459	.5018086	.4902577	.5105159	.5252738	.5049489
Stddev	.0080194	1.59151	.0011777	.0005272	.0155822	.0209204	.0034280
%RSD	1.727290	3.206444	.2346979	.1075354	3.052249	3.982751	.6788751

#1	.4699446	50.75995	.5026414	.4898849	.5215342	.5400668	.5073728
#2	.4586035	48.50923	.5009758	.4906305	.4994976	.5104809	.5025250

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.69281	.4909369	.5294255	.4792420	.4862681	25.16184	50.21716
Stddev	.66862	.0003615	.0010353	.0142404	.0111830	.79670	1.34207
%RSD	2.707771	.0736384	.1955535	2.971443	2.299756	3.166290	2.672533

#1	25.16560	.4911926	.5301576	.4893115	.4941757	25.72519	51.16615
#2	24.22002	.4906813	.5286934	.4691725	.4783605	24.59849	49.26818

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.068000	25.37665	5.021088	.4962029	25.10440	.5261278	.5084545
Stddev	.135067	.74383	.147601	.0016279	.76851	.0040642	.0005571
%RSD	3.320220	2.931159	2.939631	.3280752	3.061273	.7724720	.1095582

#1	4.163507	25.90262	5.125458	.4973540	25.64782	.5290016	.5080606
#2	3.972494	24.85068	4.916718	.4950518	24.56098	.5232539	.5088484

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

Sample Name: CCV Acquired: 5/13/2016 21:59:09 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4887430	.4862500	.4641994	.5311605	.4933919	.4887042	.4966222
Stddev	.0060342	.0010141	.0000090	.0022063	.0134954	.0118656	.0035516
%RSD	1.234641	.2085482	.0019335	.4153734	2.735221	2.427967	.7151517

#1	.4844761	.4869670	.4642058	.5296004	.5029346	.4970944	.4991336
#2	.4930098	.4855329	.4641931	.5327206	.4838493	.4803140	.4941109

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	4.837951	.5425940
Stddev	.112723	.0001809
%RSD	2.329968	.0333305

#1	4.917658	.5427219
#2	4.758244	.5424661

Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1305.645	833.3000	7879.816	5823.648
Stddev	.657	.4220	166.058	124.413
%RSD	.0503123	.0506405	2.107382	2.136344

#1	1305.181	833.5984	7762.395	5735.674
#2	1306.110	833.0016	7997.236	5911.621

Sample Name: CCB Acquired: 5/13/2016 22:03:13 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006818	.0100799	-.001916	-.000170	-.000060	.0002062	.0003556
Stddev	.0006584	.0119029	.003559	.000115	.000016	.0002692	.0010625
%RSD	96.56885	118.0862	185.7379	67.53585	25.85911	130.5611	298.7426

#1	.0011474	.0016632	-.004432	-.000251	-.000071	.0000158	-.000396
#2	.0002162	.0184965	.000600	-.000089	-.000049	.0003965	.001107

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000137	-.000067	-.000067	-.000320	.0003927	.0201569	-.000871
Stddev	.001229	.000021	.000107	.000593	.0002756	.0244921	.003227
%RSD	898.3542	30.87037	159.6464	185.6477	70.17687	121.5073	370.2571

#1	.000732	-.000082	-.000142	.000100	.0001978	.0028384	-.003153
#2	-.001005	-.000052	.000009	-.000739	.0005876	.0374754	.001410

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000127	.0294477	.0003715	-.000212	-.013952	.0000966	-.001246
Stddev	.000420	.0009450	.0002537	.000171	.001473	.0010378	.000411
%RSD	331.8688	3.209145	68.30452	80.55246	10.56139	1074.635	32.98350

#1	.000170	.0287795	.0005509	-.000333	-.012910	.0008304	-.000955
#2	-.000424	.0301159	.0001921	-.000091	-.014994	-.000637	-.001536

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

Sample Name: CCB Acquired: 5/13/2016 22:03:13 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0034462	-.002387	-.000074	-.000809	.0000180	.0002548	.0005711
Stddev	.0028730	.000087	.001175	.000303	.0000107	.0000752	.0000024
%RSD	83.36735	3.635911	1585.151	37.46932	59.59232	29.50917	.4272095
#1	.0054776	-.002325	-.000905	-.000595	.0000256	.0002017	.0005728
#2	.0014147	-.002448	.000757	-.001024	.0000104	.0003080	.0005694
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0001975	.0004454
Stddev	.0004952	.0001978
%RSD	250.6753	44.39840
#1	.0005477	.0003056
#2	-.000153	.0005852
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1529.894	860.9564	8176.832	6001.749
Stddev	23.573	12.7453	3.485	107.674
%RSD	1.540854	1.480365	.0426254	1.794051
#1	1546.564	869.9687	8179.296	5925.612
#2	1513.226	851.9441	8174.367	6077.887

Sample Name: MRL Acquired: 5/13/2016 22:07:29 Type: QC
Method: P6051316A Mode: CONC Corr. Factor: 1.000000
User: LACYK analytical run: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0052332	.2045465	.0102301	.0498889	.0102961	.0043604	.0512484
Stddev	.0004320	.0225156	.0001363	.0000459	.0002373	.0000051	.0000436
%RSD	8.254506	11.00756	1.332161	.0920408	2.304953	.1161720	.0850007

#1	.0049277	.2204675	.0103265	.0499213	.0104639	.0043640	.0512792
#2	.0055387	.1886256	.0101338	.0498564	.0101283	.0043568	.0512176

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1893582	.0021143	.0049854	.0096194	.0102827	.2363437	.5206010
Stddev	.0063183	.0000784	.0002119	.0001640	.0001223	.0181649	.0131917
%RSD	3.336700	3.707488	4.250244	1.704618	1.189068	7.685809	2.533937

#1	.1938259	.0020589	.0051352	.0097353	.0103692	.2234992	.5299289
#2	.1848905	.0021697	.0048356	.0095034	.0101963	.2491882	.5112731

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0105937	.1294034	.0103683	.0102439	1.021729	.0098684	.0036618
Stddev	.0005661	.0157756	.0000829	.0001233	.017510	.0006400	.0015244
%RSD	5.343525	12.19100	.7994864	1.204087	1.713784	6.485127	41.62834

#1	.0109940	.1405584	.0104269	.0103312	1.034110	.0103209	.0025839
#2	.0101935	.1182484	.0103097	.0101567	1.009347	.0094159	.0047397

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

Sample Name: MRL Acquired: 5/13/2016 22:07:29 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0204881	.0080799	.1733559	.0407869	.0052332	.0051153	.0077678
Stddev	.0013007	.0008424	.0005884	.0000793	.0000057	.0000209	.0006928
%RSD	6.348520	10.42558	.3394001	.1943170	.1095262	.4080222	8.919355

#1	.0214078	.0074842	.1729399	.0407309	.0052373	.0051005	.0072778
#2	.0195684	.0086755	.1737720	.0408430	.0052292	.0051301	.0082577

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0052237	.0202967
Stddev	.0000248	.0000321
%RSD	.4743557	.1579582

#1	.0052062	.0202741
#2	.0052412	.0203194

Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1539.084	877.0406	8190.077	6020.915
Stddev	1.125	.0150	3.691	126.297
%RSD	.0730685	.0017097	.0450670	2.097631

#1	1539.879	877.0512	8187.467	5931.610
#2	1538.288	877.0300	8192.687	6110.220

Sample Name: mb 500-335310/1-a Acquired: 5/13/2016 22:11:44 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002392	-.001058	-.000831	.0039789	-.000016	.0002612	-.001998
Stddev	.0004346	.015480	.002355	.0001085	.000003	.0004737	.000991
%RSD	181.7171	1463.818	283.2216	2.726553	21.04603	181.3166	49.61217

#1	.0005465	-.012004	.000834	.0039022	-.000018	-.000074	-.002699
#2	-.000068	.009889	-.002496	.0040556	-.000014	.000596	-.001297

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0362957	.0001929	-.000121	.0002160	.0005550	.0171909	.0150374
Stddev	.0060289	.0000204	.000525	.0003108	.0002837	.0041342	.0110241
%RSD	16.61062	10.58015	432.9314	143.8842	51.11423	24.04882	73.31146

#1	.0405588	.0001785	-.000492	.0004358	.0007556	.0142676	.0072422
#2	.0320326	.0002074	.000250	-.000004	.0003544	.0201142	.0228326

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000580	.0032126	.0001855	-.000127	.0424062	-.001452	-.000905
Stddev	.000043	.0016694	.0004075	.000198	.0008932	.000102	.000530
%RSD	7.382002	51.96399	219.7231	155.3716	2.106305	7.038069	58.61617

#1	-.000550	.0020322	-.000103	-.000267	.0430378	-.001380	-.001279
#2	-.000611	.0043931	.000474	.000013	.0417746	-.001525	-.000530

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

Sample Name: mb 500-335310/1-a Acquired: 5/13/2016 22:11:44 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004172	-.000169	-.003679	-.000143	.0000709	-.000073	-.002882
Stddev	.0006655	.001763	.000338	.000774	.0000035	.000150	.001150
%RSD	159.5165	1044.031	9.186884	542.3591	4.999693	206.8559	39.90167

#1	.0008877	-.001416	-.003440	-.000690	.0000684	.000034	-.002069
#2	-.000053	.001078	-.003918	.000405	.0000734	-.000179	-.003695

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0003218	.0026854
Stddev	.0000188	.0001857
%RSD	5.838252	6.914071

#1	.0003351	.0028166
#2	.0003085	.0025541

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1535.385	863.5934	8292.993	6084.913
Stddev	1.749	3.4680	4.968	115.485
%RSD	.1139359	.4015785	.0599017	1.897895

#1	1536.622	861.1412	8289.480	6003.252
#2	1534.148	866.0457	8296.505	6166.573

Sample Name: lcs 500-335310/2-a Acquired: 5/13/2016 22:16:00 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0492099	2.001599	.0983487	.9788256	2.072561	.0530446	.5156540
Stddev	.0001247	.045114	.0020313	.0024617	.055514	.0013247	.0037491
%RSD	.2534823	2.253879	2.065413	.2514987	2.678526	2.497383	.7270639

#1	.0492981	2.033500	.0969124	.9805663	2.111816	.0539813	.5130029
#2	.0491217	1.969699	.0997851	.9770849	2.033307	.0521079	.5183050

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.767199	.0508563	.5190950	.1991891	.2546053	1.107439	10.82660
Stddev	.202503	.0001094	.0008070	.0017478	.0000837	.100764	.28904
%RSD	2.073294	.2150871	.1554638	.8774540	.0328718	9.098798	2.669698

#1	9.910390	.0509336	.5185243	.2004250	.2545462	1.178690	11.03098
#2	9.624008	.0507789	.5196656	.1979533	.2546645	1.036188	10.62222

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5385043	10.04714	.5064067	1.029702	10.75785	.5194219	.0998253
Stddev	.0168662	.29597	.0126386	.000444	.36451	.0026058	.0019272
%RSD	3.132052	2.945838	2.495748	.0431505	3.388336	.5016632	1.930551

#1	.5504305	10.25642	.5153435	1.030017	11.01560	.5175793	.1011880
#2	.5265781	9.83785	.4974698	1.029388	10.50010	.5212644	.0984625

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

Sample Name: lcs 500-335310/2-a Acquired: 5/13/2016 22:16:00 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5097124	.0998062	4.584344	1.033956	1.021837	1.023042	.0989685
Stddev	.0010023	.0008439	.005363	.001831	.000408	.000209	.0012254
%RSD	.1966402	.8455087	.1169791	.1771036	.0399670	.0203819	1.238138

#1	.5090036	.0992095	4.580552	1.035250	1.021548	1.022895	.0998349
#2	.5104211	.1004030	4.588136	1.032661	1.022126	1.023190	.0981020

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.5076851	.5155298
Stddev	.0043298	.0002278
%RSD	.8528604	.0441930

#1	.5107468	.5156909
#2	.5046234	.5153687

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1416.400	839.9736	7966.227	5956.563
Stddev	2.081	.6833	8.667	107.476
%RSD	.1469482	.0813501	.1087994	1.804322

#1	1417.872	840.4568	7960.099	5880.566
#2	1414.929	839.4905	7972.356	6032.559

Sample Name: 500-111511-a-2-a Acquired: 5/13/2016 22:20:14 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001360	1.634605	.0036826	.6795240	.0118789	.0000332
Stddev	.0005193	.008173	.0031628	.0035542	.0001614	.0000437
%RSD	381.9317	.4999967	85.88582	.5230487	1.358857	131.5800

#1	.0005032	1.628826	.0059191	.6770108	.0119931	.0000023
#2	-.000231	1.640384	.0014461	.6820372	.0117648	.0000642

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002672	55.00538	.0004937	.0447416	.0034926	.0039851
Stddev	.000823	.36819	.0000588	.0004113	.0005793	.0002157
%RSD	30.80983	.6693759	11.91346	.9193544	16.58672	5.412373

#1	-.003254	55.26573	.0004521	.0450325	.0039022	.0041376
#2	-.002090	54.74503	.0005353	.0444508	.0030830	.0038326

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8634683	57.22388	.0595517	20.94278	.0925896	.0145822
Stddev	.1017433	.26708	.0006806	.06205	.0001087	.0001227
%RSD	11.78310	.4667273	1.142924	.2962650	.1173893	.8413348

#1	.9354117	57.03502	.0590704	20.98665	.0925127	.0144955
#2	.7915249	57.41273	.0600329	20.89891	.0926664	.0146690

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

Sample Name: 500-111511-a-2-a Acquired: 5/13/2016 22:20:14 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	732.1597	.4246396	.0010900	.0008509	.0008758	3.069410
Stddev	12.6278	.0023733	.0015433	.0016766	.0008654	.012746
%RSD	1.724736	.5588912	141.5842	197.0484	98.81319	.4152479

#1	741.0889	.4263177	.0021813	.0020364	.0014877	3.060397
#2	723.2304	.4229614	-.000001	-.000335	.0002638	3.078422

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0055287	F 2.234010	.0015723	-.005182	.0097590	.5393032
Stddev	.0008805	.011703	.0000437	.000496	.0004973	.0009155
%RSD	15.92653	.5238407	2.781333	9.562626	5.095380	.1697610

#1	.0061513	2.242285	.0016032	-.004832	.0101106	.5386558
#2	.0049061	2.225735	.0015413	-.005533	.0094074	.5399506

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.000000				
Low Limit		-.005000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1088.626	754.0086	6959.238	5619.437
Stddev	1.881	1.7822	5.971	10.985
%RSD	.1728278	.2363632	.0858028	.1954887

#1	1087.295	755.2688	6963.460	5611.669
#2	1089.956	752.7484	6955.016	5627.205

Sample Name: 500-111534-a-2-a Acquired: 5/13/2016 22:25:34 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000035	.0380299	-.002063	.5300052	.0534913	.0002846	-.002928
Stddev	.000188	.0151111	.000632	.0004668	.0005751	.0000591	.002541
%RSD	532.4031	39.73480	30.63325	.0880760	1.075187	20.76193	86.76376

#1	.000098	.0487150	-.001616	.5303353	.0538980	.0002428	-.004725
#2	-.000168	.0273447	-.002510	.5296752	.0530846	.0003264	-.001132

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	81.57390	.0011490	.0008565	.0011500	.0224812	3.292740	174.5973
Stddev	1.03603	.0001862	.0001236	.0007992	.0000765	.007849	1.7973
%RSD	1.270052	16.20674	14.43191	69.49832	.3401344	.2383704	1.029405

#1	82.30648	.0012807	.0009438	.0017151	.0224271	3.298290	175.8682
#2	80.84132	.0010173	.0007690	.0005848	.0225353	3.287190	173.3264

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0164965	43.38997	.1850968	.1609203	338.6239	.0106541	.0355330
Stddev	.0000716	.64423	.0021117	.0008871	7.2928	.0005126	.0019616
%RSD	.4339187	1.484737	1.140838	.5512692	2.153668	4.811419	5.520451

#1	.0164458	43.84551	.1865900	.1602930	343.7807	.0102917	.0369201
#2	.0165471	42.93443	.1836036	.1615476	333.4670	.0110166	.0341460

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

Sample Name: 500-111534-a-2-a Acquired: 5/13/2016 22:25:34 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020410	-.002414	14.78370	.0023329	.1937740	.0030442	-.003152
Stddev	.0008030	.001164	.01693	.0004008	.0000165	.0005356	.000481
%RSD	39.34302	48.20110	.1144845	17.18206	.0085079	17.59265	15.24527

#1	.0014732	-.001591	14.77173	.0026163	.1937623	.0026655	-.002812
#2	.0026088	-.003237	14.79567	.0020495	.1937856	.0034229	-.003492

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0012876	.2702213
Stddev	.0001250	.0004170
%RSD	9.711168	.1543313

#1	.0011992	.2705162
#2	.0013760	.2699264

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1138.780	763.5779	7140.194	5692.187
Stddev	2.373	2.1036	3.205	48.712
%RSD	.2083791	.2754989	.0448839	.8557633

#1	1140.458	765.0654	7137.928	5657.742
#2	1137.102	762.0904	7142.460	5726.631

Sample Name: 111534-a-2-a SD@5 Acquired: 5/13/2016 22:30:48 Type: Unk
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006086	.0070507	-.000514	.1131494	.0106854	.0000078	-.000976
Stddev	.0003193	.0127105	.000145	.0004793	.0003293	.0002130	.000174
%RSD	52.46048	180.2729	28.25654	.4236340	3.081640	2721.265	17.82550
#1	.0003829	.0160384	-.000412	.1128105	.0109183	.0001584	-.001099
#2	.0008344	-.001937	-.000617	.1134884	.0104526	-.000143	-.000853
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.53041	.0003483	-.000086	-.000353	.0049799	.6923032	34.89306
Stddev	.36083	.0001193	.000058	.000581	.0001503	.0104557	.66730
%RSD	2.182826	34.25119	66.79987	164.3544	3.018255	1.510281	1.912427
#1	16.78556	.0004326	-.000046	.000057	.0048737	.6849099	35.36492
#2	16.27527	.0002639	-.000127	-.000764	.0050862	.6996965	34.42121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0031227	8.637819	.0380622	.0324471	69.85097	.0017024	.0070248
Stddev	.0001721	.188639	.0004537	.0001365	1.60833	.0006292	.0000099
%RSD	5.511610	2.183869	1.191983	.4205858	2.302517	36.96093	.1405092
#1	.0032444	8.771206	.0383830	.0325436	70.98823	.0021473	.0070178
#2	.0030010	8.504431	.0377414	.0323506	68.71371	.0012575	.0070318
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 111534-a-2-a SD@5 Acquired: 5/13/2016 22:30:48 Type: Unk
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.000265	-0.000756	2.932552	.0005341	.0398503	.0010499	-.001844
Stddev	.000272	.001194	.010360	.0000413	.0001110	.0001655	.001157
%RSD	102.8980	157.8904	.3532709	7.735924	.2785403	15.76359	62.75486
#1	-0.000072	.000088	2.925227	.0005634	.0399288	.0009329	-.001026
#2	-0.000457	-.001600	2.939878	.0005049	.0397718	.0011669	-.002663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0006116	.0518187
Stddev	.0003956	.0002383
%RSD	64.68683	.4598698
#1	.0008914	.0519872
#2	.0003319	.0516502
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1333.884	822.8549	7666.873	5851.733
Stddev	3.513	3.5837	9.420	118.078
%RSD	.2633655	.4355175	.1228656	2.017838
#1	1336.368	825.3889	7660.212	5768.239
#2	1331.400	820.3208	7673.534	5935.227

Sample Name: 500-111534-a-2-b du Acquired: 5/13/2016 22:35:01 Type: Unk
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007720	.0421675	.0003019	.5244882	.0544101	.0000035	.0005891
Stddev	.0003587	.0074813	.0006774	.0003380	.0005732	.0001615	.0006590
%RSD	46.46733	17.74176	224.3360	.0644405	1.053383	4645.134	111.8804
#1	.0005183	.0474576	.0007809	.5242492	.0548153	-.000111	.0001231
#2	.0010256	.0368774	-.000177	.5247272	.0540048	.000118	.0010551
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	81.18674	.0010506	.0008365	.0012011	.0330620	3.472458	175.5613
Stddev	1.13896	.0002221	.0003329	.0004713	.0002466	.058230	1.0221
%RSD	1.402889	21.14522	39.79554	39.23983	.7458541	1.676903	.5821675
#1	81.99211	.0008935	.0006011	.0008678	.0328876	3.513633	176.2841
#2	80.38138	.0012076	.0010718	.0015343	.0332364	3.431283	174.8386
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0170313	43.08093	.1858411	.1725598	345.5714	.0120870	.0355931
Stddev	.0005058	.62502	.0015814	.0009341	5.9334	.0002839	.0014565
%RSD	2.969529	1.450811	.8509635	.5413378	1.716971	2.348944	4.091980
#1	.0173890	43.52289	.1869594	.1718992	349.7670	.0122878	.0366229
#2	.0166737	42.63897	.1847229	.1732203	341.3759	.0118862	.0345632
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 500-111534-a-2-b du Acquired: 5/13/2016 22:35:01 Type: Unk
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014780	.0018436	14.67908	.0015837	.1926665	.0033132	-.001731
Stddev	.0004308	.0008684	.03867	.0013003	.0002071	.0003627	.000573
%RSD	29.14482	47.10519	.2634481	82.10515	.1074681	10.94765	33.12114
#1	.0017826	.0024577	14.65173	.0025032	.1928130	.0035697	-.001326
#2	.0011734	.0012295	14.70642	.0006643	.1925201	.0030567	-.002136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0025134	.2799779
Stddev	.0008375	.0000548
%RSD	33.32229	.0195712
#1	.0031056	.2800166
#2	.0019212	.2799391
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1140.071	766.8464	7139.458	5706.647
Stddev	2.032	2.3135	4.221	40.497
%RSD	.1782045	.3016837	.0591259	.7096484
#1	1141.507	768.4823	7142.443	5678.011
#2	1138.634	765.2106	7136.473	5735.282

Sample Name: 500-111534-a-2-c ms Acquired: 5/13/2016 22:40:14 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0525174	2.259914	.1054717	1.498036	2.192111	.0582503	.5702763
Stddev	.0006680	.180800	.0008565	.005398	.168816	.0046314	.0038552
%RSD	1.271967	8.000293	.8121170	.3603231	7.701063	7.950899	.6760155

#1	.0520451	2.132070	.1060774	1.494219	2.072740	.0549754	.5675503
#2	.0529898	2.387759	.1048660	1.501853	2.311481	.0615252	.5730023

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	93.93449	.0531439	.5647892	.1968445	.2995193	4.687176	188.1487
Stddev	8.15435	.0000195	.0022961	.0003030	.0014145	.433926	11.9004
%RSD	8.680889	.0367607	.4065341	.1539380	.4722622	9.257729	6.324972

#1	88.16849	.0531577	.5664128	.1970588	.2985190	4.380344	179.7339
#2	99.70048	.0531300	.5631657	.1966302	.3005195	4.994008	196.5635

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5923473	55.25860	.7176373	1.188046	349.9954	.5670987	.1461851
Stddev	.0365151	4.51826	.0580733	.000223	15.0342	.0008878	.0000737
%RSD	6.164479	8.176576	8.092294	.0187408	4.295538	.1565437	.0504180

#1	.5665272	52.06371	.6765732	1.188204	339.3647	.5677264	.1462372
#2	.6181674	58.45350	.7587013	1.187889	360.6262	.5664710	.1461329

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

Sample Name: 500-111534-a-2-c ms Acquired: 5/13/2016 22:40:14 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5173930	.1045702	18.79463	1.083306	1.178226	1.007025	.0938012
Stddev	.0034949	.0002243	.04345	.001483	.003784	.002644	.0021740
%RSD	.6754774	.2144523	.2311819	.1368598	.3211688	.2625675	2.317667

#1	.5149218	.1044116	18.76391	1.084355	1.180902	1.008894	.0922640
#2	.5198643	.1047288	18.82535	1.082258	1.175551	1.005155	.0953385

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.5139181	.8560459
Stddev	.0005079	.0011746
%RSD	.0988294	.1372167

#1	.5142772	.8568765
#2	.5135589	.8552153

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1120.409	761.7206	7116.877	5482.494
Stddev	3.889	3.8041	4.690	350.884
%RSD	.3470613	.4994094	.0658990	6.400086

#1	1123.159	764.4105	7120.193	5730.607
#2	1117.660	759.0307	7113.560	5234.382

Sample Name: 500-111470-a-2-a Acquired: 5/13/2016 22:45:28 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010518	.5465632	.0221883	.0622632	.0541179	.0001361
Stddev	.0002286	.0055683	.0017558	.0003504	.0005625	.0000875
%RSD	21.73073	1.018789	7.913008	.5627952	1.039423	64.30005

#1	.0008902	.5426258	.0234298	.0625109	.0545156	.0000742
#2	.0012135	.5505006	.0209468	.0620154	.0537201	.0001979

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001472	51.92007	.0011785	.0007640	.0019886	.0290666
Stddev	.004553	1.06888	.0001756	.0005992	.0013704	.0002154
%RSD	309.3501	2.058706	14.89534	78.42145	68.90993	.7411911

#1	.001748	52.67588	.0013027	.0003404	.0010196	.0289143
#2	-.004691	51.16425	.0010544	.0011877	.0029576	.0292190

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.385338	32.85440	.0047177	14.69133	.1383554	.0055902
Stddev	.015984	.31680	.0003030	.27895	.0036682	.0004812
%RSD	.6700926	.9642462	6.423300	1.898721	2.651263	8.608465

#1	2.396640	33.07840	.0045034	14.88858	.1409492	.0059305
#2	2.374036	32.63039	.0049319	14.49409	.1357616	.0052499

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

Sample Name: 500-111470-a-2-a Acquired: 5/13/2016 22:45:28 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	389.2681	.0041177	.0002502	-.011205	.0476158	12.20715
Stddev	15.5364	.0001946	.0003964	.001236	.0051338	.02335
%RSD	3.991185	4.726914	158.3918	11.03231	10.78164	.1912809

#1	400.2540	.0039801	-.000030	-.012079	.0439857	12.22366
#2	378.2822	.0042553	.000531	-.010331	.0512459	12.19064

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

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0155105	.0821253	.0255791	F -.038762	.0016582	.1489142
Stddev	.0004783	.0001346	.0000819	.002288	.0002698	.0001809
%RSD	3.083848	.1639491	.3200320	5.902648	16.26790	.1214544

#1	.0158487	.0822205	.0255212	-.040380	.0014675	.1487863
#2	.0151722	.0820301	.0256370	-.037144	.0018490	.1490421

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				20.00000		
Low Limit				-.010000		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1179.848	707.7028	6881.360	5592.417
Stddev	2.436	1.4113	1.578	64.814
%RSD	.2064415	.1994223	.0229378	1.158964

#1	1181.571	706.7048	6882.476	5546.587
#2	1178.126	708.7007	6880.244	5638.248

Sample Name: 500-111472-a-2-a Acquired: 5/13/2016 22:50:43 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002556	.6016618	.0004465	8.723867	.1159505	.0007826	-.000452
Stddev	.0003742	.0092199	.0046836	.036879	.0006554	.0000787	.001204
%RSD	146.4062	1.532405	1049.051	.4227333	.5652114	10.04912	266.3158

#1	-.000009	.5951424	-.002865	8.697790	.1164140	.0008383	-.001304
#2	.000520	.6081813	.003758	8.749944	.1154871	.0007270	.000399

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	416.8351	.0010276	.0223121	.0078039	.0180754	1.601515	56.72033
Stddev	4.1811	.0001200	.0004582	.0002192	.0000383	.067285	.27239
%RSD	1.003057	11.67750	2.053465	2.809228	.2116516	4.201322	.4802317

#1	419.7916	.0011125	.0226361	.0079589	.0181025	1.553937	56.91294
#2	413.8786	.0009428	.0219881	.0076489	.0180484	1.649092	56.52772

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.966953	79.27023	.2496833	.0961589	751.6611	.0648591	.0040990
Stddev	.033833	.32667	.0008227	.0000509	2.5877	.0016768	.0004786
%RSD	.5669994	.4121026	.3295103	.0529697	.3442609	2.585249	11.67647

#1	5.990876	79.50122	.2502650	.0961229	753.4908	.0636734	.0037606
#2	5.943029	79.03924	.2491015	.0961949	749.8313	.0660447	.0044375

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

Sample Name: 500-111472-a-2-a Acquired: 5/13/2016 22:50:43 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0090023	.0014821	12.07246	.0017812	1.008856	.0051580	-.005422
Stddev	.0000465	.0040887	.05109	.0017592	.007027	.0000996	.000261
%RSD	.5163872	275.8677	.4231642	98.76116	.6965566	1.931707	4.818661

#1	.0090352	.0043733	12.03634	.0030252	1.003887	.0052284	-.005238
#2	.0089695	-.001409	12.10859	.0005373	1.013825	.0050875	-.005607

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0094574	.1202934
Stddev	.0002884	.0007504
%RSD	3.049490	.6238356

#1	.0096614	.1208240
#2	.0092535	.1197628

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1003.771	703.2102	6641.577	5491.184
Stddev	2.585	4.8291	32.218	11.482
%RSD	.2574869	.6867186	.4851020	.2091045

#1	1005.599	706.6249	6664.359	5483.065
#2	1001.944	699.7955	6618.795	5499.304

Sample Name: 500-111386-b-1-a Acquired: 5/13/2016 22:56:09 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006164	.0864652	.0025938	.0217259	.0167622	.0001719	.0004230
Stddev	.0003567	.0037003	.0007661	.0007477	.0002236	.0001071	.0008342
%RSD	57.87345	4.279548	29.53611	3.441514	1.334128	62.28067	197.2014

#1	.0008686	.0890817	.0020521	.0222546	.0169204	.0002476	.0010129
#2	.0003641	.0838487	.0031356	.0211972	.0166041	.0000962	-.000167

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.585567	.0002588	-.000452	.0006408	.0209520	.1780732	4.872354
Stddev	.177397	.0000818	.000228	.0012772	.0000739	.0307187	.041206
%RSD	2.693717	31.63067	50.50238	199.3321	.3525194	17.25063	.8457036

#1	6.711005	.0003167	-.000290	-.000262	.0208998	.1997946	4.901490
#2	6.460128	.0002009	-.000613	.001544	.0210042	.1563518	4.843217

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0088339	1.354481	.0264998	.0056622	19.01097	.0006115	-.001690
Stddev	.0000280	.019836	.0004726	.0004697	.23875	.0000970	.000391
%RSD	.3173728	1.464496	1.783388	8.295383	1.255842	15.86122	23.10910

#1	.0088537	1.368508	.0268340	.0053301	19.17979	.0006801	-.001966
#2	.0088140	1.340455	.0261656	.0059943	18.84215	.0005429	-.001414

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

Sample Name: 500-111386-b-1-a Acquired: 5/13/2016 22:56:09 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015716	.0058503	4.877006	.0009975	.0452389	.3815290	-.007248
Stddev	.0003473	.0017178	.018376	.0000977	.0001250	.0090347	.000146
%RSD	22.09819	29.36200	.3767811	9.793638	.2762910	2.368034	2.018553

#1	.0018171	.0070649	4.864013	.0009284	.0453272	.3751405	-.007352
#2	.0013260	.0046356	4.890000	.0010666	.0451505	.3879176	-.007145

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0017089	.0185738
Stddev	.0001204	.0001648
%RSD	7.042796	.8871158

#1	.0016238	.0186903
#2	.0017940	.0184573

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1428.957	818.1306	7924.720	5939.207
Stddev	2.331	3.1531	2.139	82.502
%RSD	.1631457	.3854056	.0269895	1.389116

#1	1430.605	820.3602	7926.232	5880.869
#2	1427.308	815.9010	7923.208	5997.545

Sample Name: CCV Acquired: 5/13/2016 23:00:21 Type: QC
Method: P6051316A Mode: CONC Corr. Factor: 1.000000
User: LACYK analytical run: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4683483	49.49718	.4981155	.4939629	.5077474	.5167415	.5105882
Stddev	.0003837	1.46332	.0013794	.0011552	.0131278	.0103220	.0009556
%RSD	.0819291	2.956361	.2769343	.2338533	2.585498	1.997511	.1871596

#1	.4680769	50.53190	.4971401	.4931461	.5170301	.5240402	.5099124
#2	.4686196	48.46246	.4990909	.4947797	.4984646	.5094428	.5112639

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.71190	.4880587	.5232337	.4820392	.4968125	24.68899	51.74091
Stddev	.55274	.0008327	.0011828	.0011735	.0014678	.67194	1.32327
%RSD	2.331059	.1706102	.2260458	.2434418	.2954492	2.721621	2.557493

#1	24.10275	.4874699	.5223974	.4812095	.4957746	25.16413	52.67660
#2	23.32106	.4886475	.5240700	.4828690	.4978504	24.21386	50.80521

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.246902	25.07377	4.882589	.4950302	25.70449	.5215782	.5021242
Stddev	.124585	.60784	.114318	.0012653	.67786	.0017697	.0028747
%RSD	2.933540	2.424211	2.341341	.2555929	2.637114	.3392886	.5725033

#1	4.334997	25.50358	4.963424	.4941356	26.18380	.5203269	.5000915
#2	4.158808	24.64397	4.801753	.4959249	25.22517	.5228296	.5041569

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

Sample Name: CCV Acquired: 5/13/2016 23:00:21 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4894187	.4973119	.4869050	.5359294	.5051262	.4967711	.4855047
Stddev	.0027078	.0015278	.0007959	.0014536	.0010178	.0004274	.0009586
%RSD	.5532659	.3072066	.1634621	.2712278	.2015019	.0860317	.1974475

#1	.4875041	.4983922	.4874678	.5349016	.5044065	.4964689	.4848269
#2	.4913334	.4962316	.4863422	.5369572	.5058459	.4970733	.4861825

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	4.864462	.5340263
Stddev	.013205	.0010666
%RSD	.2714597	.1997204

#1	4.855124	.5332721
#2	4.873799	.5347805

Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1286.194	818.9031	7671.106	5859.487
Stddev	2.531	1.4052	8.815	112.554
%RSD	.1967983	.1715948	.1149174	1.920890

#1	1287.984	819.8967	7677.340	5779.899
#2	1284.405	817.9094	7664.873	5939.075

Sample Name: CCB Acquired: 5/13/2016 23:04:27 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002000	-.006140	-.001562	.0022536	-.000073	.0000846	.0008170
Stddev	.0003031	.003708	.001235	.0000281	.000022	.0000639	.0006107
%RSD	151.5565	60.38274	79.05714	1.247765	29.84224	75.55888	74.74312
#1	-.000014	-.008762	-.000689	.0022337	-.000057	.0001298	.0012488
#2	.000414	-.003519	-.002435	.0022735	-.000088	.0000394	.0003852
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.009503	.0001601	-.000075	-.000633	.0003383	-.003141	.0370293
Stddev	.000790	.0000412	.000245	.000733	.0001350	.031491	.0230778
%RSD	8.315279	25.75291	325.8099	115.8748	39.92176	1002.720	62.32302
#1	-.008945	.0001892	.000098	-.000114	.0004337	.019127	.0533478
#2	-.010062	.0001309	-.000248	-.001151	.0002428	-.025408	.0207109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000352	.0089221	.0000510	.0002060	-.007451	.0003767	-.000111
Stddev	.000027	.0020118	.0002023	.0000966	.003737	.0010016	.001019
%RSD	7.715305	22.54847	396.7171	46.89970	50.15497	265.8761	919.0474
#1	-.000371	.0074995	-.000092	.0001377	-.010094	.0010850	-.000831
#2	-.000333	.0103446	.000194	.0002743	-.004809	-.000332	.000610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 5/13/2016 23:04:27 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004751	-.002672	.0043719	-.000480	-.000005	.0003274	.0006651
Stddev	.0012851	.000099	.0003698	.000433	.000011	.0000423	.0012884
%RSD	270.4801	3.713499	8.458053	90.36807	239.4161	12.92246	193.7304

#1	-.000434	-.002742	.0046333	-.000786	.000003	.0002975	.0015761
#2	.001384	-.002602	.0041104	-.000173	-.000012	.0003574	-.000246

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0005819	.0000384
Stddev	.0003650	.0001936
%RSD	62.72789	504.4449

#1	.0008401	.0001753
#2	.0003238	-.000099

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1525.068	859.4417	8096.079	6011.316
Stddev	.482	3.0760	6.418	70.768
%RSD	.0316029	.3579076	.0792754	1.177240

#1	1524.727	857.2666	8091.541	5961.275
#2	1525.409	861.6168	8100.617	6061.356

Sample Name: 111320-a-15-a @10 Acquired: 5/13/2016 23:07:51 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000056	.0054199	10.18629	.0131703	.0151493	-.000058
Stddev	.000021	.0069041	.11459	.0000991	.0000686	.000098
%RSD	36.87264	127.3832	1.124932	.7524691	.4527639	169.6430

#1	-.000071	.0005380	10.10526	.0132404	.0151978	.000012
#2	-.000042	.0103019	10.26732	.0131003	.0151008	-.000127

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000807	28.72669	F -.005813	-.000531	-.000171	.0012431
Stddev	.001987	.36785	.000431	.000325	.000474	.0001544
%RSD	246.2651	1.280532	7.415339	61.31243	277.1267	12.41992

#1	-.002211	28.98680	-.006118	-.000761	.000164	.0011339
#2	.000598	28.46657	-.005508	-.000301	-.000507	.0013523

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			10.00000			
Low Limit			-.002000			

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1264938	15.73873	.0019998	3.191743	.0047085	.0166393
Stddev	.0150017	.08162	.0002499	.016188	.0004975	.0002600
%RSD	11.85960	.5186069	12.49703	.5071801	10.56631	1.562423

#1	.1158860	15.68102	.0018231	3.203190	.0050603	.0164555
#2	.1371016	15.79645	.0021765	3.180297	.0043567	.0168231

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

Sample Name: 111320-a-15-a @10 Acquired: 5/13/2016 23:07:51 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	182.2712	.0016688	-.001135	-.001361	-.002533	1.328186
Stddev	5.4770	.0003786	.003044	.000667	.002958	.010882
%RSD	3.004838	22.68648	268.2844	49.03072	116.7691	.8192893

#1	186.1440	.0019366	-.003287	-.000889	-.000442	1.320491
#2	178.3984	.0014011	.001018	-.001832	-.004625	1.335880

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

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000512	.1349044	.0014562	-.001091	.0066977	.0006719
Stddev	.000190	.0068101	.0001399	.000154	.0008985	.0002386
%RSD	37.02425	5.048064	9.603999	14.09491	13.41510	35.50667

#1	-.000378	.1397198	.0015550	-.000982	.0073330	.0008406
#2	-.000646	.1300889	.0013573	-.001200	.0060623	.0005032

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1256.792	800.2348	7206.399	5845.882
Stddev	5.784	2.5983	282.899	40.008
%RSD	.4601858	.3246955	3.925670	.6843855

#1	1260.882	802.0721	7006.359	5817.592
#2	1252.702	798.3975	7406.439	5874.172

Sample Name: 111320-a-15-a @50 Acquired: 5/13/2016 23:12:08 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001874	.0074460	2.001273	.0038542	.0030020	.0001187	.0009660
Stddev	.0005480	.0040409	.001097	.0002310	.0000663	.0001477	.0006023
%RSD	292.4383	54.26964	.0548251	5.994187	2.208203	124.4429	62.35550

#1	-.000200	.0103034	2.000497	.0040175	.0030488	.0002231	.0005401
#2	.000575	.0045887	2.002049	.0036908	.0029551	.0000142	.0013919

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.695287	-.001037	-.000257	-.000394	.0009473	.0484422	3.165287
Stddev	.093399	.000093	.000184	.000484	.0002731	.0118721	.043929
%RSD	1.639936	9.005995	71.63592	122.8944	28.83294	24.50767	1.387829

#1	5.761330	-.001103	-.000127	-.000052	.0007542	.0568370	3.196349
#2	5.629243	-.000971	-.000387	-.000736	.0011404	.0400474	3.134225

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002570	.6597444	.0008805	.0032140	37.36977	.0010691	-.001881
Stddev	.0002433	.0040972	.0002907	.0000971	.83461	.0000889	.000224
%RSD	94.66336	.6210328	33.01833	3.021290	2.233371	8.315803	11.93214

#1	.0004290	.6568472	.0010861	.0032827	37.95992	.0011320	-.001722
#2	.0000850	.6626416	.0006749	.0031453	36.77961	.0010063	-.002040

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

Sample Name: 111320-a-15-a @50 Acquired: 5/13/2016 23:12:08 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014306	-.001436	.2654956	-.001123	.0272286	.0003705	.0000028
Stddev	.0004834	.001286	.0004107	.000254	.0012214	.0000779	.0019971
%RSD	33.78728	89.55922	.1546874	22.64522	4.485624	21.02682	72208.10

#1	.0017724	-.002346	.2657860	-.001303	.0280922	.0003155	-.001409
#2	.0010888	-.000527	.2652052	-.000943	.0263649	.0004256	.001415

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0014100	.0002601
Stddev	.0002099	.0001758
%RSD	14.88491	67.60185

#1	.0012616	.0003844
#2	.0015584	.0001358

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1419.013	842.8621	7647.587	5936.459
Stddev	1.435	1.3881	250.396	85.201
%RSD	.1011396	.1646840	3.274182	1.435211

#1	1417.998	843.8436	7470.530	5876.212
#2	1420.028	841.8806	7824.643	5996.704

Sample Name: 111319-a-20-a @500 Acquired: 5/13/2016 23:17:27 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003431	-.002880	5.619783	.0020375	.0001643	.0002894
Stddev	.0006689	.010886	.025309	.0001706	.0000213	.0001803
%RSD	194.9886	378.0109	.4503601	8.371171	12.95224	62.29829

#1	-.000130	.004818	5.601886	.0019169	.0001492	.0004169
#2	.000816	-.010577	5.637679	.0021581	.0001793	.0001619

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000682	.6186689	F -.002590	-.000187	-.000490	.0023788
Stddev	.000290	.0092780	.000148	.000232	.000721	.0000366
%RSD	42.51104	1.499668	5.728691	123.8117	146.9336	1.538669

#1	-.000886	.6252294	-.002485	-.000351	.000019	.0024046
#2	-.000477	.6121083	-.002695	-.000023	-.001000	.0023529

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			10.00000			
Low Limit			-.002000			

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0197677	.0648904	-.000090	.7296939	.0008292	.0000088
Stddev	.0162090	.0182928	.000186	.0422064	.0001050	.0000067
%RSD	81.99751	28.19030	207.4771	5.784126	12.65612	76.12785

#1	.0312292	.0778253	-.000222	.7595384	.0007550	.0000136
#2	.0083062	.0519554	.000042	.6998495	.0009034	.0000041

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

Sample Name: 111319-a-20-a @500 Acquired: 5/13/2016 23:17:27 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.10627	.0003805	-.000446	.0002495	.0019267	.0439458
Stddev	.23792	.0002169	.002484	.0005324	.0008489	.0000496
%RSD	1.686625	57.01841	556.7612	213.3805	44.06142	.1127962

#1	14.27451	.0005339	-.002202	-.000127	.0013264	.0439107
#2	13.93804	.0002271	.001310	.000626	.0025270	.0439809

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

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001469	.0050791	.0000498	-.001887	.0003319	.0003258
Stddev	.001441	.0000064	.0001532	.001598	.0001009	.0002615
%RSD	98.05624	.1257751	307.1933	84.65164	30.38870	80.27380

#1	-.002488	.0050745	.0001582	-.000758	.0002606	.0005107
#2	-.000451	.0050836	-.000058	-.003017	.0004032	.0001409

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1477.671	852.6317	8004.401	6015.666
Stddev	7.512	4.9696	1.280	74.813
%RSD	.5083345	.5828535	.0159941	1.243644

#1	1482.983	856.1458	8005.306	5962.765
#2	1472.360	849.1177	8003.496	6068.567

Sample Name: 111320-a-18-a @5 Acquired: 5/13/2016 23:22:48 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000033	.1296574	8.461798	.0015292	.2146861	.0002553
Stddev	.000012	.0041923	.019665	.0005596	.0013566	.0003078
%RSD	34.86280	3.233344	.2323935	36.59205	.6318832	120.5755

#1	-.000042	.1326218	8.447893	.0011335	.2156453	.0000376
#2	-.000025	.1266930	8.475703	.0019249	.2137269	.0004729

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0026594	241.5775	F -.004603	-.000129	.0002859	.0020484
Stddev	.0001951	3.1828	.000180	.000966	.0010192	.0001487
%RSD	7.336245	1.317520	3.909711	749.5055	356.4186	7.258711

#1	.0027974	243.8281	-.004476	-.000812	-.000435	.0021536
#2	.0025214	239.3269	-.004731	.000554	.001007	.0019433

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			10.00000			
Low Limit			-.002000			

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0866844	33.62649	.0063186	.0277134	.0007508	.0701443
Stddev	.0190229	.03995	.0000563	.0110066	.0002954	.0004751
%RSD	21.94495	.1188103	.8916121	39.71600	39.34241	.6773375

#1	.1001356	33.65474	.0062788	.0354962	.0009597	.0698084
#2	.0732333	33.59824	.0063585	.0199305	.0005419	.0704803

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

Sample Name: 111320-a-18-a @5 Acquired: 5/13/2016 23:22:48 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	395.8077	.0174145	.0021321	.0016515	-.002412	.5677914
Stddev	1.3598	.0000813	.0019456	.0004753	.000063	.0034828
%RSD	.3435600	.4670849	91.25076	28.78037	2.599692	.6134000

#1	396.7692	.0174721	.0035078	.0019876	-.002456	.5653287
#2	394.8461	.0173570	.0007564	.0013154	-.002368	.5702542

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

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000018	1.131074	.0002049	-.003315	.0052298	.0001688
Stddev	.000983	.002984	.0000961	.001792	.0002823	.0003281
%RSD	5548.247	.2638523	46.91848	54.06290	5.396828	194.3403

#1	-.000713	1.128964	.0001369	-.002048	.0050303	-.000063
#2	.000677	1.133185	.0002728	-.004582	.0054294	.000401

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1118.063	751.3700	7012.866	5632.470
Stddev	2.506	2.7204	.914	21.523
%RSD	.2241570	.3620618	.0130345	.3821235

#1	1119.836	753.2937	7013.512	5617.251
#2	1116.291	749.4464	7012.219	5647.689

Sample Name: 111320-a-20-a @5 Acquired: 5/13/2016 23:28:11 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000919	.2436916	5.054589	.0025101	.1786650	.0001529
Stddev	.0001375	.0137807	.004072	.0004099	.0063952	.0003907
%RSD	149.6140	5.654957	.0805659	16.33055	3.579433	255.5877

#1	-.000005	.2339472	5.057468	.0028000	.1741430	.0004291
#2	.000189	.2534360	5.051709	.0022203	.1831871	-.000123

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000535	166.3788	F -.002154	.0009014	-.000151	.0021501
Stddev	.000186	7.5836	.000012	.0001483	.000350	.0003761
%RSD	34.67459	4.558012	.5462641	16.44646	232.7954	17.49377

#1	-.000666	161.0164	-.002162	.0010062	.000097	.0018841
#2	-.000404	171.7411	-.002145	.0007966	-.000398	.0024160

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			10.00000			
Low Limit			-.002000			

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1367356	24.43014	.0048887	.0215127	.0005696	.0204657
Stddev	.0693603	.66335	.0001990	.0018641	.0002925	.0002787
%RSD	50.72583	2.715285	4.070360	8.665279	51.35202	1.361932

#1	.1857807	23.96109	.0050294	.0201945	.0003628	.0206628
#2	.0876905	24.89920	.0047480	.0228308	.0007765	.0202686

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

Sample Name: 111320-a-20-a @5 Acquired: 5/13/2016 23:28:11 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	145.5434	.0235795	.0001190	.0006444	.0026137	.9166427
Stddev	1.0192	.0000865	.0008099	.0032765	.0002120	.0032096
%RSD	.7002426	.3668961	680.9111	508.4423	8.109097	.3501467

#1	146.2640	.0235183	-.000454	.0029613	.0027636	.9189122
#2	144.8227	.0236406	.000692	-.001672	.0024638	.9143731

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

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000786	1.366638	.0005246	-.003157	.0074021	.0015084
Stddev	.0003794	.009737	.0000248	.001735	.0008836	.0000760
%RSD	482.5070	.7124903	4.719073	54.96350	11.93677	5.035618

#1	-.000190	1.359753	.0005422	-.001930	.0080269	.0014547
#2	.000347	1.373523	.0005071	-.004384	.0067773	.0015621

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1225.496	778.6326	7329.138	5625.979
Stddev	.753	.2249	22.698	178.190
%RSD	.0614684	.0288861	.3097016	3.167272

#1	1224.964	778.4735	7345.188	5751.978
#2	1226.029	778.7916	7313.088	5499.979

Sample Name: 111320-a-25-a @10 Acquired: 5/13/2016 23:32:36 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006031	.1735878	10.75981	.0256702	.0295498	.0001532
Stddev	.0003778	.0096979	.22409	.0000344	.0002263	.0000858
%RSD	62.65054	5.586733	2.082646	.1341250	.7659300	55.99411

#1	.0003359	.1667304	10.91826	.0256946	.0297098	.0000925
#2	.0008702	.1804452	10.60135	.0256459	.0293898	.0002138

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000310	29.43579	F -.003598	.0001410	.0020715	.0057693
Stddev	.000871	.35335	.000502	.0003205	.0002147	.0001050
%RSD	280.9944	1.200405	13.94382	227.2286	10.36224	1.819443

#1	-.000926	29.68564	-.003243	-.000086	.0019197	.0058435
#2	.000306	29.18593	-.003953	.000368	.0022233	.0056951

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			10.00000			
Low Limit			-.002000			

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3144412	89.11832	.0008802	.0880674	.0002198	.0172470
Stddev	.0077279	.46620	.0002322	.0014395	.0003615	.0001018
%RSD	2.457668	.5231291	26.37579	1.634553	164.4768	.5904133

#1	.3089767	89.44798	.0010444	.0890852	.0004754	.0171750
#2	.3199056	88.78867	.0007161	.0870495	-.000036	.0173190

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

Sample Name: 111320-a-25-a @10 Acquired: 5/13/2016 23:32:36 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	209.9290	.0044931	-.000631	-.000050	-.000056	.8932155
Stddev	6.3418	.0009062	.003009	.002656	.001425	.0152782
%RSD	3.020933	20.16875	476.4423	5331.438	2566.765	1.710466

#1	214.4133	.0051339	-.002759	.001828	.000952	.9040188
#2	205.4446	.0038524	.001496	-.001928	-.001064	.8824122

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

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010740	.7062048	.0009550	-.003522	.0237530	.0004008
Stddev	.0015420	.0002589	.0001545	.000977	.0002721	.0001258
%RSD	143.5719	.0366639	16.17683	27.74706	1.145445	31.38273

#1	.0021643	.7060217	.0010642	-.004213	.0239454	.0003118
#2	-.000016	.7063879	.0008457	-.002831	.0235606	.0004897

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1219.062	781.4786	7332.924	5770.149
Stddev	8.568	8.6111	6.511	34.355
%RSD	.7028574	1.101899	.0887977	.5953850

#1	1213.003	775.3897	7328.320	5745.856
#2	1225.120	787.5676	7337.529	5794.441

Sample Name: mb 500-335309/1-a Acquired: 5/13/2016 23:39:59 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005675	.0002140	-.000305	.0089817	-.000045	.0001108	-.001143
Stddev	.0000182	.0021365	.001792	.0000333	.000033	.0004545	.000188
%RSD	3.207789	998.2257	587.0328	.3712601	74.35628	410.2507	16.48089

#1	.0005546	.0017248	-.001572	.0089581	-.000069	.0004322	-.001009
#2	.0005803	-.001297	.000962	.0090053	-.000021	-.000211	-.001276

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0569931	-.000065	-.000253	-.000385	.0009402	.0162592	.0313971
Stddev	.0011013	.000090	.000240	.000819	.0002755	.0147408	.0021187
%RSD	1.932396	140.1504	94.88133	212.9713	29.30727	90.66155	6.747917

#1	.0577718	-.000129	-.000083	-.000964	.0007453	.0058358	.0298990
#2	.0562143	-.000001	-.000423	.000195	.0011350	.0266825	.0328952

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000154	.0151479	.0001673	.0000891	.0572054	.0004326	-.001184
Stddev	.000197	.0104342	.0006374	.0001909	.0008348	.0007522	.000313
%RSD	127.2483	68.88208	381.0877	214.2417	1.459314	173.9050	26.41058

#1	-.000293	.0077698	-.000283	-.000046	.0577957	.0009645	-.001405
#2	-.000015	.0225260	.000618	.000224	.0566151	-.000099	-.000963

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

Sample Name: mb 500-335309/1-a Acquired: 5/13/2016 23:39:59 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007040	-.000131	-.000890	-.000645	.0001370	-.000074	-.002528
Stddev	.0013693	.002581	.000113	.000785	.0000157	.000074	.000082
%RSD	194.5177	1978.030	12.71850	121.8126	11.43616	100.3963	3.233626

#1	.0016722	.001695	-.000810	-.000089	.0001480	-.000127	-.002586
#2	-.000264	-.001956	-.000970	-.001200	.0001259	-.000021	-.002470

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0003244	.0023394
Stddev	.0007304	.0000066
%RSD	225.2009	.2827090

#1	.0008408	.0023347
#2	-.000192	.0023440

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1547.381	862.1651	8226.777	6124.140
Stddev	6.419	5.3937	20.198	63.071
%RSD	.4148336	.6256021	.2455110	1.029883

#1	1551.920	865.9790	8212.495	6079.541
#2	1542.842	858.3511	8241.059	6168.738

Sample Name: lcs 500-335309/2-a Acquired: 5/13/2016 23:44:15 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0476579	1.966708	.0962407	.9825666	2.014231	.0519341	.5006780
Stddev	.0001772	.031433	.0001292	.0010272	.033703	.0014637	.0022715
%RSD	.3718941	1.598268	.1342165	.1045424	1.673248	2.818396	.4536892

#1	.0475326	1.988935	.0961493	.9832929	2.038063	.0529691	.5022842
#2	.0477832	1.944481	.0963320	.9818402	1.990399	.0508991	.4990718

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.483749	.0495234	.5024099	.1927690	.2477841	1.062046	10.61323
Stddev	.196988	.0001419	.0003741	.0002647	.0007702	.012425	.16398
%RSD	2.077108	.2866052	.0744558	.1372993	.3108253	1.169897	1.545033

#1	9.623040	.0496238	.5026745	.1925818	.2483287	1.070831	10.72918
#2	9.344457	.0494231	.5021454	.1929561	.2472395	1.053260	10.49728

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5302344	9.696943	.4919134	.9919065	10.60556	.5023303	.0993234
Stddev	.0069714	.154292	.0104152	.0002779	.22974	.0004004	.0000980
%RSD	1.314770	1.591138	2.117273	.0280118	2.166236	.0797104	.0986776

#1	.5351639	9.806043	.4992780	.9921030	10.76801	.5020472	.0993927
#2	.5253049	9.587842	.4845488	.9917101	10.44311	.5026134	.0992541

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

Sample Name: lcs 500-335309/2-a Acquired: 5/13/2016 23:44:15 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5007220	.0978523	4.484441	.9940190	.9973218	.9917117	.0972307
Stddev	.0044211	.0021046	.002947	.0008221	.0051921	.0003834	.0016385
%RSD	.8829502	2.150738	.0657116	.0827046	.5206073	.0386624	1.685120

#1	.4975958	.0993404	4.482358	.9946003	1.000993	.9919829	.0983892
#2	.5038482	.0963641	4.486525	.9934377	.993650	.9914406	.0960721

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.4918866	.5022190
Stddev	.0004216	.0000109
%RSD	.0857182	.0021662

#1	.4921847	.5022267
#2	.4915885	.5022113

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1425.913	839.7737	7927.568	5955.328
Stddev	.453	.5891	1.398	94.175
%RSD	.0317975	.0701461	.0176291	1.581362

#1	1425.592	839.3572	7928.557	5888.737
#2	1426.233	840.1902	7926.580	6021.921

Sample Name: 500-111513-a-1-a Acquired: 5/13/2016 23:48:29 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003997	.5973733	.0232457	.0928965	.0585338	.0001454
Stddev	.0001341	.0001047	.0008990	.0000585	.0004196	.0005016
%RSD	33.56299	.0175228	3.867600	.0629254	.7168799	345.1050

#1	.0003048	.5972993	.0238815	.0928551	.0588305	-.000209
#2	.0004945	.5974473	.0226100	.0929378	.0582371	.000500

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020024	80.31899	.0011071	.0018131	.0042468	5.163284
Stddev	.0019476	.55099	.0000970	.0003000	.0002968	.013289
%RSD	97.26613	.6860022	8.758412	16.54705	6.989123	.2573772

#1	.0033795	80.70860	.0010386	.0016010	.0040369	5.172681
#2	.0006252	79.92938	.0011757	.0020253	.0044567	5.153887

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.264275	27.14120	.0369319	26.94769	.0406573	.0051522
Stddev	.034315	.10077	.0000262	.24394	.0001452	.0007129
%RSD	1.515479	.3712798	.0710397	.9052394	.3571031	13.83591

#1	2.288539	27.21245	.0369133	27.12019	.0407599	.0056562
#2	2.240011	27.06994	.0369504	26.77520	.0405546	.0046481

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

Sample Name: 500-111513-a-1-a Acquired: 5/13/2016 23:48:29 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	122.0711	.0063377	.0081054	-.009943	.0495473	3.013463
Stddev	5.9485	.0005033	.0019813	.001128	.0023088	.001117
%RSD	4.872948	7.941604	24.44415	11.34503	4.659797	.0370546

#1	126.2773	.0059818	.0067044	-.009146	.0479147	3.012674
#2	117.8649	.0066936	.0095064	-.010741	.0511799	3.014253

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

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0170405	.3245398	.2664430	F -.036595	.0008810	.2880235
Stddev	.0001431	.0001428	.0050748	.001345	.0000391	.0007739
%RSD	.8395073	.0440009	1.904637	3.674462	4.442973	.2686945

#1	.0171417	.3244388	.2700314	-.037545	.0009087	.2874762
#2	.0169393	.3246407	.2628546	-.035644	.0008533	.2885707

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				20.00000		
Low Limit				-.010000		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1289.097	719.7089	7148.473	5676.764
Stddev	5.637	1.6601	.950	50.742
%RSD	.4372986	.2306629	.0132832	.8938619

#1	1293.084	720.8827	7149.144	5640.883
#2	1285.111	718.5350	7147.801	5712.644

Sample Name: 500-111463-e-1-a Acquired: 5/13/2016 23:52:46 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002430	.3795213	.0038426	.1327347	.0221272	.0001788
Stddev	.0000289	.0131043	.0026919	.0013273	.0001140	.0001913
%RSD	11.90076	3.452857	70.05264	.9999232	.5153229	106.9943

#1	.0002225	.3702551	.0019392	.1317962	.0222078	.0000435
#2	.0002634	.3887874	.0057461	.1336732	.0220466	.0003140

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002584	41.85264	.0008078	.0013483	.0833631	.0371348
Stddev	.001744	.03421	.0004306	.0003270	.0000380	.0005621
%RSD	67.47060	.0817294	53.30041	24.25025	.0455590	1.513597

#1	-.001351	41.87682	.0011123	.0011171	.0833900	.0375322
#2	-.003817	41.82845	.0005033	.0015796	.0833363	.0367373

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.071326	7.446939	.0123976	36.82003	.1098810	.0088634
Stddev	.018733	.071620	.0006381	.22943	.0002678	.0000104
%RSD	.3693896	.9617408	5.147145	.6231145	.2437212	.1173209

#1	5.058080	7.497582	.0119464	36.98226	.1100704	.0088707
#2	5.084572	7.396295	.0128488	36.65780	.1096917	.0088560

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

Sample Name: 500-111463-e-1-a Acquired: 5/13/2016 23:52:46 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 1865.238	.1120140	.0023591	.0002906	.0031967	3.588305
Stddev	26.273	.0016674	.0015896	.0021332	.0010254	.015043
%RSD	1.408575	1.488573	67.37964	734.0876	32.07641	.4192237

#1	1883.816	.1108350	.0012351	-.001218	.0024717	3.577668
#2	1846.660	.1131931	.0034831	.001799	.0039218	3.598942

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1000.000					
Low Limit	-1.00000					

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0050095	.0526796	.0200639	-.005061	.0017842	.1174825
Stddev	.0000114	.0000649	.0006706	.000803	.0000088	.0011729
%RSD	.2273891	.1232639	3.342234	15.86505	.4921851	.9983502

#1	.0050176	.0527255	.0205381	-.004493	.0017904	.1183119
#2	.0050015	.0526337	.0195897	-.005629	.0017780	.1166532

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	962.6558	696.6162	6301.798	5384.141
Stddev	3.2381	5.0146	7.657	19.267
%RSD	.3363705	.7198479	.1215050	.3578540

#1	964.9455	700.1621	6296.384	5370.517
#2	960.3662	693.0704	6307.212	5397.765

Sample Name: CCV Acquired: 5/13/2016 23:58:01 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4731985	48.90851	.5002889	.4882346	.5049350	.5134170	.5027852
Stddev	.0004070	.99712	.0054779	.0015320	.0104022	.0053501	.0018098
%RSD	.0860006	2.038739	1.094948	.3137895	2.060113	1.042056	.3599616

#1	.4729107	49.61358	.4964154	.4893180	.5122904	.5172001	.5040649
#2	.4734862	48.20345	.5041623	.4871513	.4975795	.5096339	.5015054

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.03001	.4885504	.5230733	.4840182	.4969337	24.55175	50.76220
Stddev	.44692	.0002834	.0003925	.0029078	.0012879	.34883	1.10086
%RSD	1.859834	.0580116	.0750409	.6007512	.2591747	1.420793	2.168664

#1	24.34603	.4883500	.5227958	.4860743	.4978444	24.79841	51.54062
#2	23.71399	.4887508	.5233509	.4819621	.4960230	24.30509	49.98377

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.125258	24.78716	4.906807	.4920241	25.60943	.5188583	.5071208
Stddev	.080476	.41600	.094559	.0003848	.61570	.0004995	.0053240
%RSD	1.950820	1.678281	1.927106	.0782095	2.404193	.0962688	1.049853

#1	4.182163	25.08132	4.973670	.4917520	26.04480	.5192115	.5108854
#2	4.068352	24.49301	4.839943	.4922962	25.17407	.5185051	.5033561

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

Sample Name: CCV Acquired: 5/13/2016 23:58:01 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4875128	.4869919	.4664228	.5272212	.5001282	.4965183	.4907693
Stddev	.0039948	.0037361	.0001407	.0005035	.0014452	.0007205	.0020533
%RSD	.8194318	.7671824	.0301601	.0955048	.2889728	.1451189	.4183815

#1	.4903376	.4896337	.4665223	.5275772	.5011502	.4970278	.4893174
#2	.4846880	.4843501	.4663233	.5268651	.4991063	.4960088	.4922212

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	4.907654	.5355891
Stddev	.005531	.0004409
%RSD	.1127070	.0823259

#1	4.911565	.5352773
#2	4.903742	.5359009

Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1303.055	827.8396	7695.047	5840.803
Stddev	1.242	1.9578	34.454	92.854
%RSD	.0953450	.2365009	.4477419	1.589745

#1	1302.177	826.4552	7670.685	5775.145
#2	1303.934	829.2240	7719.410	5906.461

Sample Name: CCB Acquired: 5/14/2016 0:02:06 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001779	-.003618	.0001447	.0001659	-.000152	.0000713	.0000729
Stddev	.0005377	.010753	.0003443	.0000870	.000049	.0001401	.0011126
%RSD	302.1751	297.2207	237.9897	52.44473	32.03232	196.6029	1525.060

#1	.0005582	.003986	.0003881	.0001044	-.000186	.0001703	-.000714
#2	-.000202	-.011221	-.000099	.0002274	-.000118	-.000028	.000860

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.006970	-.000013	-.000168	.0005925	.0003983	.0212042	.0113470
Stddev	.000218	.000031	.000385	.0002147	.0001355	.0245459	.0053723
%RSD	3.121129	231.6716	228.6046	36.23575	34.01075	115.7597	47.34568

#1	-.006816	.000008	.000104	.0007443	.0004941	.0038476	.0075482
#2	-.007124	-.000035	-.000441	.0004407	.0003025	.0385608	.0151457

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000201	.0027592	-.000072	.0003386	.0125843	-.000300	.0010811
Stddev	.000315	.0138970	.000196	.0002342	.0015818	.001065	.0004569
%RSD	156.4702	503.6644	273.7382	69.16121	12.56953	355.2117	42.26158

#1	-.000424	.0125858	-.000211	.0005041	.0114658	.000453	.0014042
#2	.000021	-.007067	.000067	.0001730	.0137028	-.001052	.0007581

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

Sample Name: CCB Acquired: 5/14/2016 0:02:06 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0027355	-.003841	.0003008	-.000299	.0000010	.0004206	-.001264
Stddev	.0014864	.001795	.0003733	.000107	.0000040	.0000799	.000554
%RSD	54.33476	46.73468	124.0821	35.81391	380.9952	18.99307	43.82066
#1	.0037866	-.002572	.0005648	-.000375	.0000038	.0003641	-.001655
#2	.0016845	-.005110	.0000369	-.000223	-.000002	.0004771	-.000872
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0004346	.0002529
Stddev	.0003622	.0001823
%RSD	83.35744	72.07949
#1	.0001784	.0003818
#2	.0006907	.0001240
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1545.342	862.7649	8143.311	6080.865
Stddev	.486	2.1464	22.831	45.829
%RSD	.0314193	.2487758	.2803627	.7536571
#1	1545.685	864.2826	8159.455	6113.271
#2	1544.998	861.2472	8127.167	6048.459

Sample Name: 111463-e-1-a SD@5 Acquired: 5/14/2016 0:05:30 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001026	.0751415	.0033208	.0294980	.0043757	.0002218	-.000478
Stddev	.0003122	.0096513	.0001063	.0005031	.0001054	.0002247	.000353
%RSD	304.2038	12.84421	3.201754	1.705693	2.408320	101.3061	73.86544

#1	.0003233	.0683170	.0033960	.0298538	.0044502	.0003807	-.000228
#2	-.000118	.0819660	.0032456	.0291422	.0043011	.0000629	-.000727

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.410759	-.000007	-.000160	.0174871	.0077718	1.040698	1.385221
Stddev	.148894	.000048	.000488	.0010139	.0002564	.026478	.013139
%RSD	1.770280	716.2864	305.3185	5.797695	3.298723	2.544275	.9485061

#1	8.516043	-.000041	.000185	.0182040	.0075905	1.059421	1.375931
#2	8.305475	.000027	-.000505	.0167702	.0079530	1.021975	1.394512

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020457	7.446984	.0218168	.0018728	438.6160	.0235046	.0008681
Stddev	.0003088	.054269	.0002348	.0001039	9.3048	.0007617	.0018264
%RSD	15.09555	.7287315	1.076224	5.549745	2.121401	3.240828	210.4001

#1	.0022640	7.485358	.0219828	.0017993	445.1954	.0229660	.0021595
#2	.0018273	7.408610	.0216508	.0019463	432.0365	.0240433	-.000423

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

Sample Name: 111463-e-1-a SD@5 Acquired: 5/14/2016 0:05:30 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000740	.0006846	.6927681	.0007200	.0108183	.0042930	-.001490
Stddev	.001182	.0016484	.0020531	.0021669	.0000032	.0006722	.000212
%RSD	159.5873	240.7997	.2963636	300.9704	.0298857	15.65770	14.24349

#1	.000095	-.000481	.6913164	-.000812	.0108160	.0038177	-.001340
#2	-.001576	.001850	.6942199	.002252	.0108206	.0047684	-.001640

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0003880	.0228048
Stddev	.0003570	.0003967
%RSD	92.01495	1.739658

#1	.0006404	.0230853
#2	.0001355	.0225242

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1192.989	790.0668	7195.738	5744.904
Stddev	.607	2.0050	4.303	47.760
%RSD	.0508738	.2537727	.0597940	.8313493

#1	1193.418	791.4845	7198.781	5711.132
#2	1192.560	788.6491	7192.696	5778.675

Sample Name: 500-111463-e-1-b du Acquired: 5/14/2016 0:10:48 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000054	.4252154	.0024050	.1371784	.0242227	.0003799	.0000089
Stddev	.0005041	.0063500	.0014407	.0000343	.0004236	.0005609	.0001068
%RSD	9396.940	1.493368	59.90475	.0249907	1.748747	147.6652	1195.467

#1	.0003618	.4297055	.0034238	.1371542	.0245222	-.000017	-.000067
#2	-.000351	.4207252	.0013863	.1372027	.0239231	.000777	.000084

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	43.43957	.0006216	.0017817	.0864640	.0380361	5.414644	7.685662
Stddev	.57617	.0002921	.0000684	.0024145	.0019870	.087274	.105384
%RSD	1.326373	46.99350	3.841130	2.792485	5.223925	1.611818	1.371176

#1	43.84698	.0004150	.0018302	.0881713	.0394411	5.476356	7.760179
#2	43.03215	.0008282	.0017334	.0847567	.0366310	5.352932	7.611144

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0128992	38.15956	.1144999	.0088402	*****	.1157810	.0004126
Stddev	.0000230	.50763	.0008258	.0006667	----	.0003809	.0005149
%RSD	.1786431	1.330287	.7212197	7.541794	----	.3290152	124.7961

#1	.0128829	38.51851	.1150838	.0093116	1956.908	.1155116	.0000485
#2	.0129155	37.80061	.1139160	.0083688	----	.1160504	.0007767

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

Sample Name: 500-111463-e-1-b du Acquired: 5/14/2016 0:10:48 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000079	.0001137	3.734381	.0022083	.0526694	.0189366	-.002766
Stddev	.000141	.0014430	.009979	.0029957	.0019124	.0015783	.000759
%RSD	177.4671	1269.136	.2672287	135.6570	3.631019	8.334400	27.43301

#1	.000020	-.000907	3.741438	.0000900	.0540217	.0200526	-.002229
#2	-.000179	.001134	3.727325	.0043265	.0513171	.0178206	-.003302

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0025673	.1217337
Stddev	.0006342	.0004805
%RSD	24.70278	.3946861

#1	.0030158	.1220735
#2	.0021189	.1213940

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	959.3488	695.8968	6430.855	5358.654
Stddev	1.3959	1.4309	169.736	65.672
%RSD	.1455063	.2056196	2.639406	1.225524

#1	960.3358	696.9086	6310.833	5312.217
#2	958.3617	694.8850	6550.877	5405.090

Sample Name: 500-111463-e-1-c ms Acquired: 5/14/2016 0:15:05 Type: Unk
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0565031	2.474620	.1142416	1.009432	1.039631	.0530033	.5993100
Stddev	.0003151	.037156	.0061176	.018775	.056439	.0000588	.0105801
%RSD	.5577057	1.501486	5.355013	1.859964	5.428779	.1109601	1.765379
#1	.0567259	2.500893	.1185674	1.022708	.999723	.0530449	.6067913
#2	.0562802	2.448347	.1099158	.996156	1.079540	.0529617	.5918287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	51.41209	.0547513	.5508342	.2690826	.2961514	6.163251	17.84124
Stddev	.31417	.0009564	.0106253	.0069112	.0051136	.022106	.11824
%RSD	.6110867	1.746861	1.928939	2.568428	1.726693	.3586696	.6627447
#1	51.63425	.0554276	.5583474	.2739696	.2997673	6.178882	17.92485
#2	51.18994	.0540750	.5433210	.2641957	.2925355	6.147620	17.75764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5150846	46.13537	.5925292	.9597358	*****	.6482094	.0686650
Stddev	.0019073	.16251	.0040816	.0196783	-----	.0125499	.0026342
%RSD	.3702948	.3522545	.6888508	2.050386	-----	1.936086	3.836238
#1	.5164333	46.25029	.5954154	.9736505	-----	.6570835	.0705276
#2	.5137359	46.02046	.5896431	.9458212	-----	.6393352	.0668024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 500-111463-e-1-c ms Acquired: 5/14/2016 0:15:05 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5084600	.1220055	8.209335	1.078417	.9486723	.9819583	.0804598
Stddev	.0116083	.0033845	.181183	.018833	.0161439	.0201242	.0023316
%RSD	2.283038	2.774065	2.207032	1.746354	1.701738	2.049397	2.897896

#1	.5166684	.1243987	8.337450	1.091734	.9600878	.9961883	.0821085
#2	.5002517	.1196123	8.081219	1.065100	.9372568	.9677283	.0788111

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.4876853	.7084888
Stddev	.0108618	.0104331
%RSD	2.227213	1.472590

#1	.4953658	.7158661
#2	.4800049	.7011114

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	939.0961	690.4675	6407.598	5379.875
Stddev	13.8462	11.5277	71.191	29.274
%RSD	1.474423	1.669545	1.111036	.5441331

#1	929.3053	682.3162	6357.258	5359.175
#2	948.8869	698.6188	6457.937	5400.574

Sample Name: 500-111507-a-1-a Acquired: 5/14/2016 0:19:19 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000878	.2361483	.0049340	.3854552	.2367764	.0001588	-.000837
Stddev	.0002833	.0109263	.0030978	.0006316	.0022224	.0002216	.000761
%RSD	322.6185	4.626870	62.78437	.1638668	.9385995	139.5736	90.88307

#1	.0002881	.2438744	.0027436	.3859018	.2383478	.0003154	-.000299
#2	-.000113	.2284223	.0071245	.3850085	.2352049	.0000021	-.001375

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	157.9946	.0009595	.0020458	.0049631	.0291112	2.658344	23.43904
Stddev	.6191	.0000083	.0004283	.0007305	.0003476	.013535	.42617
%RSD	.3918687	.8703756	20.93680	14.71925	1.194024	.5091327	1.818214

#1	158.4324	.0009654	.0017429	.0054797	.0288654	2.648773	23.74039
#2	157.5568	.0009536	.0023487	.0044466	.0293570	2.667914	23.13769

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0207987	52.89275	.3442075	.2985396	560.0379	.0042528	.0067693
Stddev	.0003133	.39939	.0026668	.0003859	1.4660	.0001988	.0008360
%RSD	1.506126	.7550989	.7747736	.1292723	.2617756	4.673352	12.34993

#1	.0210202	53.17516	.3460932	.2982667	561.0745	.0043934	.0061781
#2	.0205772	52.61033	.3423218	.2988125	559.0013	.0041123	.0073604

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

Sample Name: 500-111507-a-1-a Acquired: 5/14/2016 0:19:19 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0027777	.0015537	9.335793	.0034737	.4271677	.0204596	-.005456
Stddev	.0000117	.0043040	.009335	.0003771	.0003038	.0002043	.000991
%RSD	.4194344	277.0192	.0999881	10.85698	.0711268	.9983228	18.17065

#1	.0027694	.0045970	9.329192	.0032070	.4269528	.0203151	-.006157
#2	.0027859	-.001490	9.342394	.0037404	.4273825	.0206040	-.004755

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0029544	.1452039
Stddev	.0000996	.0009575
%RSD	3.370874	.6594076

#1	.0030248	.1458809
#2	.0028840	.1445268

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1094.266	730.9910	6902.109	5610.767
Stddev	1.241	1.5531	14.190	36.591
%RSD	.1134215	.2124684	.2055944	.6521505

#1	1095.144	732.0892	6912.143	5584.894
#2	1093.389	729.8928	6892.075	5636.640

Sample Name: 500-111507-a-3-a Acquired: 5/14/2016 0:24:32 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001732	.2701515	.0078169	.5307314	.2420512	.0001426
Stddev	.0001441	.0102901	.0022128	.0042946	.0026483	.0001262
%RSD	83.18935	3.809008	28.30812	.8091755	1.094092	88.52737

#1	.0002751	.2774277	.0093816	.5276947	.2439238	.0000533
#2	.0000713	.2628754	.0062522	.5337681	.2401786	.0002319

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000887	156.3705	.0011368	.0048161	.0049587	.0493311
Stddev	.000108	2.1364	.0000058	.0002118	.0006015	.0002477
%RSD	12.22210	1.366212	.5092448	4.398589	12.13009	.5020828

#1	-.000810	157.8811	.0011409	.0049659	.0053840	.0491559
#2	-.000963	154.8599	.0011327	.0046663	.0045334	.0495062

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.112608	44.13911	.0231827	52.81832	.4270539	.3844470
Stddev	.100646	.45867	.0000968	.65930	.0046507	.0001924
%RSD	3.233482	1.039137	.4175587	1.248233	1.089013	.0500388

#1	3.183776	44.46344	.0232511	53.28451	.4303424	.3843110
#2	3.041441	43.81479	.0231142	52.35213	.4237654	.3845830

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

Sample Name: 500-111507-a-3-a Acquired: 5/14/2016 0:24:32 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 1066.364	.0039119	.0114758	.0026763	.0010454	10.18042
Stddev	49.190	.0006924	.0002897	.0005647	.0030619	.02823
%RSD	4.612829	17.69959	2.524236	21.10004	292.9054	.2772848

#1	1101.146	.0044015	.0112710	.0022770	-.001120	10.16046
#2	1031.582	.0034223	.0116807	.0030756	.003210	10.20038

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1000.000					
Low Limit	-1.00000					

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0030917	.4174110	.0209517	-.004547	.0034351	.1538587
Stddev	.0016903	.0021395	.0002194	.002517	.0001281	.0005862
%RSD	54.67210	.5125685	1.046972	55.36303	3.729440	.3809788

#1	.0018965	.4158981	.0211068	-.002767	.0035257	.1542731
#2	.0042869	.4189238	.0207966	-.006327	.0033445	.1534442

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1009.590	703.7361	6613.446	5484.397
Stddev	1.795	1.2782	35.948	64.111
%RSD	.1778003	.1816287	.5435585	1.168975

#1	1008.321	704.6399	6638.865	5439.064
#2	1010.860	702.8323	6588.027	5529.731

Sample Name: 111527-c-1-a @10 Acquired: 5/14/2016 0:29:42 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007129	22.46774	.0102437	.8379051	.2332419	.0032557	.0059377
Stddev	.0009083	.18152	.0017966	.0002785	.0018690	.0001169	.0003702
%RSD	127.4085	.8079215	17.53906	.0332348	.8012953	3.590595	6.234111

#1	.0013552	22.59609	.0115141	.8381020	.2345634	.0033384	.0061994
#2	.0000706	22.33938	.0089732	.8377082	.2319203	.0031731	.0056759

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	283.3388	.0082448	.0430727	.4400269	.1887524	78.39436	16.07412
Stddev	1.5342	.0000455	.0008973	.0017693	.0000217	.65795	.13623
%RSD	.5414892	.5522566	2.083123	.4020920	.0114777	.8392856	.8475173

#1	284.4237	.0082770	.0437071	.4412780	.1887371	78.85960	16.17045
#2	282.2540	.0082126	.0424382	.4387758	.1887677	77.92912	15.97779

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0496187	39.79780	3.235310	.0320781	250.5170	.4194787	.5079371
Stddev	.0008473	.32843	.019663	.0003031	.4271	.0069101	.0089046
%RSD	1.707672	.8252385	.6077694	.9447550	.1704853	1.647309	1.753099

#1	.0502179	40.03003	3.249214	.0322924	250.2150	.4243649	.5142336
#2	.0490196	39.56557	3.221406	.0318638	250.8190	.4145925	.5016406

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

Sample Name: 111527-c-1-a @10 Acquired: 5/14/2016 0:29:42 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0270656	.0056269	11.27887	.0339622	.4410164	.4008416	-.007612
Stddev	.0003836	.0014651	.04170	.0007539	.0000971	.0005310	.001040
%RSD	1.417274	26.03662	.3697417	2.219911	.0220099	.1324800	13.66764

#1	.0267944	.0066628	11.30836	.0344953	.4409478	.4004661	-.006876
#2	.0273368	.0045909	11.24938	.0334291	.4410850	.4012171	-.008347

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0307893	14.55807
Stddev	.0001019	.16802
%RSD	.3310096	1.154138

#1	.0307172	14.67688
#2	.0308613	14.43926

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1133.192	770.5116	7219.192	5686.116
Stddev	3.477	1.1237	10.505	35.728
%RSD	.3068017	.1458348	.1455127	.6283322

#1	1130.734	771.3062	7211.764	5660.853
#2	1135.651	769.7171	7226.620	5711.379

Sample Name: 500-111503-b-1-a Acquired: 5/14/2016 0:34:53 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001597	10.33714	.0006922	.0810303	.1852360	.0008168	-.002447
Stddev	.0002304	.29711	.0000832	.0000695	.0053051	.0001109	.000540
%RSD	144.3230	2.874239	12.02606	.0858377	2.863991	13.57439	22.07373

#1	-.000003	10.54723	.0007511	.0809811	.1889873	.0008952	-.002065
#2	.000323	10.12705	.0006333	.0810795	.1814847	.0007384	-.002829

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	84.60696	.0010989	.0034923	.0101181	.0167924	8.949883	12.30176
Stddev	2.10181	.0000545	.0004512	.0004354	.0003190	.239793	.39472
%RSD	2.484205	4.964195	12.92115	4.303589	1.899774	2.679283	3.208649

#1	86.09316	.0011375	.0031732	.0104260	.0170180	9.119442	12.58087
#2	83.12075	.0010603	.0038113	.0098102	.0165669	8.780324	12.02265

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0144869	32.96846	.2351451	.0024901	7.053013	.0156230	.0106775
Stddev	.0006129	1.02297	.0062775	.0000490	.223612	.0018062	.0009900
%RSD	4.230502	3.102884	2.669644	1.969181	3.170450	11.56146	9.271802

#1	.0149202	33.69181	.2395840	.0025248	7.211130	.0169002	.0113775
#2	.0140535	32.24511	.2307062	.0024554	6.894895	.0143458	.0099774

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

Sample Name: 500-111503-b-1-a Acquired: 5/14/2016 0:34:53 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010347	.0010301	23.63616	.0001518	.1761538	.1711046	-.003607
Stddev	.0028800	.0000367	.01032	.0006763	.0003692	.0006321	.000056
%RSD	278.3506	3.559647	.0436524	445.5562	.2096045	.3694140	1.547224

#1	-.001002	.0010561	23.64345	-.000326	.1764149	.1706577	-.003568
#2	.003071	.0010042	23.62886	.000630	.1758927	.1715516	-.003647

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0193005	.0474910
Stddev	.0004094	.0001520
%RSD	2.121313	.3201287

#1	.0195900	.0475985
#2	.0190110	.0473835

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1333.392	830.1696	7855.762	5872.890
Stddev	1.281	3.6671	8.784	116.228
%RSD	.0960544	.4417334	.1118175	1.979059

#1	1334.297	832.7626	7849.551	5790.704
#2	1332.486	827.5765	7861.973	5955.075

Sample Name: 500-111503-b-2-a Acquired: 5/14/2016 0:39:04 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005458	.1017333	.0006748	.3609495	.0869720	.0002329	-.001223
Stddev	.0003317	.0013855	.0014973	.0008564	.0012674	.0000469	.001659
%RSD	60.77155	1.361906	221.8985	.2372639	1.457270	20.13710	135.6725

#1	.0003112	.1027130	-.000384	.3615550	.0878682	.0001997	-.002396
#2	.0007803	.1007536	.001734	.3603439	.0860758	.0002661	-.000050

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	166.8523	.0008274	-.000256	-.000065	.0176120	.2609499	9.256493
Stddev	2.2018	.0000084	.000120	.000675	.0002532	.0819052	.218078
%RSD	1.319629	1.011741	47.03222	1037.415	1.437875	31.38733	2.355950

#1	168.4092	.0008215	-.000341	-.000543	.0174330	.3188656	9.410698
#2	165.2953	.0008334	-.000171	.000412	.0177911	.2030342	9.102288

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0155347	63.13648	.0132913	.0061767	149.8803	.0031761	.0004696
Stddev	.0000642	1.13070	.0004372	.0002297	.4272	.0005198	.0012206
%RSD	.4132049	1.790877	3.289262	3.719311	.2850225	16.36554	259.9188

#1	.0155801	63.93600	.0136005	.0060142	150.1824	.0028085	.0013327
#2	.0154893	62.33695	.0129822	.0063391	149.5783	.0035436	-.000393

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

Sample Name: 500-111503-b-2-a Acquired: 5/14/2016 0:39:04 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019448	.0067440	7.113991	.0009276	.4068199	.0026173	-.004061
Stddev	.0010839	.0031022	.037225	.0005532	.0006231	.0002041	.000264
%RSD	55.73510	45.99928	.5232579	59.63614	.1531586	7.796552	6.489625

#1	.0027112	.0045504	7.140313	.0005364	.4063793	.0024730	-.003875
#2	.0011783	.0089376	7.087670	.0013188	.4072605	.0027616	-.004247

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0011609	.0393718
Stddev	.0003100	.0000876
%RSD	26.70081	.2224841

#1	.0013801	.0393099
#2	.0009417	.0394337

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1200.926	763.2536	7271.079	5704.281
Stddev	5.979	5.1949	9.786	77.641
%RSD	.4978535	.6806300	.1345938	1.361100

#1	1196.698	759.5803	7277.999	5649.381
#2	1205.153	766.9270	7264.159	5759.182

Sample Name: 500-111503-b-3-a Acquired: 5/14/2016 0:43:22 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005459	12.83947	-.000975	.0858524	.1896226	.0008038	-.001635
Stddev	.0000419	.56420	.001800	.0004414	.0075579	.0000428	.001306
%RSD	7.679067	4.394286	184.6076	.5141407	3.985750	5.322283	79.89338

#1	.0005756	13.23842	.000298	.0855402	.1949668	.0008340	-.002559
#2	.0005163	12.44052	-.002248	.0861645	.1842784	.0007735	-.000711

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	90.83299	.0012063	.0035025	.0131758	.0177479	11.60995	12.96884
Stddev	4.07528	.0000925	.0005577	.0008561	.0002581	.44903	.28708
%RSD	4.486562	7.668382	15.92270	6.497466	1.454100	3.867650	2.213613

#1	93.71465	.0011409	.0038969	.0125705	.0179304	11.92746	13.17184
#2	87.95134	.0012717	.0031082	.0137811	.0175654	11.29243	12.76585

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0169492	36.13874	.2266782	.0026153	6.980349	.0167391	.0112585
Stddev	.0009187	1.60819	.0090649	.0001672	.179040	.0008487	.0012445
%RSD	5.420185	4.450047	3.999016	6.394134	2.564915	5.070098	11.05347

#1	.0175988	37.27590	.2330880	.0027335	7.106950	.0173392	.0103785
#2	.0162996	35.00158	.2202683	.0024970	6.853749	.0161390	.0121385

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

Sample Name: 500-111503-b-3-a Acquired: 5/14/2016 0:43:22 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009522	.0009602	28.07788	.0016004	.1871069	.2038044	-.003238
Stddev	.0011675	.0002831	.05401	.0004289	.0000761	.0024734	.002634
%RSD	122.6054	29.48236	.1923487	26.79803	.0406955	1.213607	81.34562

#1	.0001267	.0011604	28.03969	.0012971	.1870531	.2020554	-.001376
#2	.0017777	.0007600	28.11607	.0019036	.1871607	.2055533	-.005101

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0231302	.0551343
Stddev	.0000841	.0010247
%RSD	.3634347	1.858552

#1	.0230708	.0558589
#2	.0231896	.0544097

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1316.496	827.5961	7787.931	5785.303
Stddev	2.557	2.9862	6.240	182.038
%RSD	.1942221	.3608330	.0801228	3.146562

#1	1314.688	829.7077	7792.343	5656.583
#2	1318.304	825.4845	7783.518	5914.024

Sample Name: lb2 500-335022/1-b Acquired: 5/14/2016 0:49:44 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001873	.0169990	-.000010	.0328138	.0038941	.0001213	-.004738
Stddev	.0001100	.0117162	.002396	.0001930	.0000830	.0002408	.001579
%RSD	58.72642	68.92322	23214.54	.5881336	2.132486	198.4127	33.32111

#1	.0002650	.0252836	.001684	.0326774	.0038353	-.000049	-.005855
#2	.0001095	.0087143	-.001704	.0329503	.0039528	.000292	-.003622

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2161329	.0004149	-.000346	.0004177	.0016909	.0455730	.0293858
Stddev	.0031522	.0001782	.000120	.0007692	.0000226	.0085628	.0019031
%RSD	1.458445	42.94992	34.62458	184.1639	1.334657	18.78915	6.476289

#1	.2139040	.0005410	-.000262	-.000126	.0017068	.0395182	.0280401
#2	.2183618	.0002889	-.000431	.000962	.0016749	.0516279	.0307315

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000591	.0685824	.0007488	.0004458	.4979256	-.001743	-.000523
Stddev	.000408	.0128724	.0001223	.0000420	.0033925	.000578	.000648
%RSD	69.06632	18.76928	16.33460	9.412299	.6813214	33.18131	123.9124

#1	-.000302	.0594802	.0006623	.0004755	.4955268	-.001334	-.000981
#2	-.000879	.0776846	.0008353	.0004162	.5003244	-.002152	-.000065

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

Sample Name: lb2 500-335022/1-b Acquired: 5/14/2016 0:49:44 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0021967	.0070687	.1048925	.0023238	.0007777	.0002821	-.007306
Stddev	.0010570	.0000474	.0005026	.0000369	.0000105	.0001137	.000191
%RSD	48.11689	.6703331	.4791152	1.588911	1.345280	40.30344	2.616699

#1	.0014493	.0070352	.1045371	.0023499	.0007703	.0002017	-.007441
#2	.0029441	.0071022	.1052478	.0022977	.0007851	.0003625	-.007171

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0003674	.0291084
Stddev	.0010410	.0002424
%RSD	283.3681	.8326992

#1	.0011035	.0289370
#2	-.000369	.0292798

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1513.758	847.7712	8155.611	6084.413
Stddev	3.374	1.0175	8.750	58.267
%RSD	.2228727	.1200184	.1072824	.9576432

#1	1511.373	847.0517	8149.424	6125.614
#2	1516.144	848.4906	8161.798	6043.212

Sample Name: CCV Acquired: 5/14/2016 0:54:01 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem Units	Ag3280 ppm	Al3082 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be2348 ppm	Bi2230 ppm
Avg	.4694991	48.47641	.4938415	.4835236	.5001491	.5127994	.5011456
Stddev	.0027087	.95518	.0021775	.0006347	.0085892	.0068415	.0014758
%RSD	.5769435	1.970393	.4409313	.1312600	1.717338	1.334142	.2944919

#1	.4675837	49.15182	.4923017	.4839724	.5062226	.5176371	.5001020
#2	.4714145	47.80099	.4953812	.4830749	.4940756	.5079618	.5021891

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

Elem Units	Ca3179 ppm	Cd2288 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2714 ppm	K_7664 ppm
Avg	24.52181	.4879199	.5242197	.4859047	.4920163	24.85686	49.64677
Stddev	.48184	.0003361	.0014208	.0012858	.0001249	.49841	.64394
%RSD	1.964927	.0688891	.2710310	.2646117	.0253776	2.005107	1.297050

#1	24.86252	.4881576	.5232150	.4868138	.4919281	25.20929	50.10211
#2	24.18110	.4876822	.5252244	.4849955	.4921046	24.50443	49.19144

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

Elem Units	Li6707 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	3.971762	24.76287	4.939093	.4888641	24.68507	.5211472	.5021645
Stddev	.045323	.46389	.093187	.0000871	.34542	.0000332	.0049534
%RSD	1.141143	1.873333	1.886725	.0178241	1.399303	.0063764	.9864077

#1	4.003810	25.09089	5.004987	.4888025	24.92932	.5211237	.4986620
#2	3.939713	24.43485	4.873200	.4889257	24.44082	.5211707	.5056671

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

Sample Name: CCV Acquired: 5/14/2016 0:54:01 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4769172	.4816244	.4638412	.5282133	.4972845	.4940964	.4880880
Stddev	.0009109	.0007389	.0025053	.0007502	.0006766	.0003411	.0031066
%RSD	.1910003	.1534191	.5401110	.1420269	.1360687	.0690365	.6364861

#1	.4775614	.4811019	.4620698	.5276829	.4968061	.4943376	.4858913
#2	.4762731	.4821469	.4656127	.5287438	.4977630	.4938552	.4902847

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	4.905475	.5407000
Stddev	.006203	.0014595
%RSD	.1264453	.2699254

#1	4.909861	.5396680
#2	4.901089	.5417320

Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1319.325	844.9811	7825.327	5899.396
Stddev	1.246	.6062	8.569	86.198
%RSD	.0944398	.0717418	.1095015	1.461126

#1	1320.206	844.5525	7831.386	5838.445
#2	1318.444	845.4098	7819.268	5960.347

Sample Name: CCB Acquired: 5/14/2016 0:58:06 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000325	-.018512	.0001327	-.000052	-.000185	.0001217	-.000891
Stddev	.0001034	.005056	.0016086	.000437	.000030	.0001408	.000748
%RSD	318.0693	27.31453	1212.124	834.3300	16.04941	115.6832	83.95616

#1	.0001057	-.014936	-.001005	.000256	-.000206	.0002213	-.001420
#2	-.000041	-.022087	.001270	-.000361	-.000164	.0000222	-.000362

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.008627	-.000049	-.000002	-.000187	.0002749	.0497694	.0030995
Stddev	.003698	.000070	.000145	.000292	.0001200	.0798199	.0062858
%RSD	42.86438	141.7519	6788.811	155.7897	43.63551	160.3795	202.7982

#1	-.011242	.000000	.000101	-.000393	.0003598	-.006672	-.001345
#2	-.006012	-.000099	-.000105	.000019	.0001901	.106211	.007544

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000451	-.017441	-.000076	.0002200	-.003253	-.000199	-.001383
Stddev	.000216	.011777	.000274	.0004446	.002489	.000075	.000465
%RSD	47.89491	67.52462	361.3583	202.0741	76.51341	37.61477	33.58859

#1	-.000603	-.025769	-.000269	.0005344	-.001493	-.000252	-.001055
#2	-.000298	-.009113	.000118	-.000094	-.005012	-.000146	-.001712

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

Sample Name: CCB Acquired: 5/14/2016 0:58:06 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011677	-.001023	.0004864	-.000283	-.000007	.0001700	-.002812
Stddev	.0001542	.001377	.0000497	.000698	.000002	.0001231	.000233
%RSD	13.20634	134.5107	10.20829	246.8145	24.17285	72.38759	8.272886

#1	.0010587	-.000050	.0005215	-.000776	-.000006	.0000830	-.002647
#2	.0012768	-.001997	.0004513	.000211	-.000009	.0002570	-.002976

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0005798	.0001218
Stddev	.0001124	.0000960
%RSD	19.38782	78.79676

#1	.0006593	.0000539
#2	.0005003	.0001897

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1577.786	893.8928	8230.000	6052.821
Stddev	6.883	2.0542	10.118	52.589
%RSD	.4362552	.2298085	.1229378	.8688325

#1	1582.653	895.3454	8237.154	6015.635
#2	1572.919	892.4403	8222.845	6090.007

Sample Name: lcs 500-335149/2-a Acquired: 5/14/2016 1:02:23 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0462865	1.853777	.0893554	.8782718	1.943135	.0477265	.4720267
Stddev	.0002816	.008329	.0005946	.0024452	.013627	.0004961	.0003426
%RSD	.6084889	.4492971	.6653923	.2784119	.7012924	1.039382	.0725892

#1	.0464857	1.847888	.0897758	.8800008	1.933499	.0473757	.4722690
#2	.0460874	1.859667	.0889349	.8765428	1.952770	.0480773	.4717844

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.100520	.0463269	.4955459	.1915313	.2432613	1.019704	9.935522
Stddev	.106223	.0001318	.0002999	.0006278	.0010290	.028203	.004735
%RSD	1.167222	.2844738	.0605107	.3277607	.4229807	2.765775	.0476567

#1	9.025409	.0464201	.4957579	.1910874	.2439888	.999762	9.932174
#2	9.175631	.0462338	.4953338	.1919752	.2425337	1.039646	9.938870

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4977523	9.152709	.4733970	.9826920	9.976565	.4893935	.0946535
Stddev	.0007457	.053501	.0035784	.0003582	.001592	.0002923	.0021181
%RSD	.1498241	.5845339	.7558908	.0364532	.0159606	.0597313	2.237752

#1	.4972250	9.114878	.4708667	.9829453	9.977691	.4896002	.0931558
#2	.4982796	9.190539	.4759273	.9824387	9.975439	.4891868	.0961513

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

Sample Name: lcs 500-335149/2-a Acquired: 5/14/2016 1:02:23 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4643903	.0876434	4.231609	.9754108	.9795761	.9833092	.0894023
Stddev	.0000627	.0017062	.009834	.0015485	.0017509	.0013033	.0005809
%RSD	.0134992	1.946702	.2324027	.1587569	.1787431	.1325465	.6497003

#1	.4643460	.0888499	4.224655	.9743158	.9808142	.9823876	.0889916
#2	.4644347	.0864370	4.238563	.9765058	.9783380	.9842308	.0898130

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.4875980	.4929582
Stddev	.0008259	.0001485
%RSD	.1693810	.0301206

#1	.4881820	.4930632
#2	.4870140	.4928532

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1416.517	851.0959	7952.460	6010.058
Stddev	1.339	.9982	.002	34.797
%RSD	.0945129	.1172844	.0000273	.5789785

#1	1415.570	850.3900	7952.461	6034.663
#2	1417.463	851.8017	7952.458	5985.453

Sample Name: 500-111337-a-1-b Acquired: 5/14/2016 1:06:37 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0035092	.0629787	.0037004	5.044764	.1774695	-.000065
Stddev	.0000340	.0165735	.0018480	.004076	.0016200	.000145
%RSD	.9695321	26.31607	49.94000	.0807951	.9128132	223.3250

#1	.0034851	.0512595	.0023937	5.041882	.1763240	-.000168
#2	.0035333	.0746979	.0050072	5.047646	.1786149	.000038

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004198	246.9596	.0032111	F 23.45521	1.351287	.0845827
Stddev	.000221	2.0777	.0002578	.03619	.000894	.0011466
%RSD	5.267192	.8413051	8.029544	.1542828	.0661706	1.355626

#1	-.004041	245.4904	.0030288	23.42962	1.350655	.0853935
#2	-.004354	248.4287	.0033934	23.48080	1.351920	.0837720

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				20.00000		
Low Limit				-.005000		

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1687111	34.60138	.0051326	123.3461	F 24.89093	.2118588
Stddev	.0204092	.26764	.0003481	.9208	.18825	.0000153
%RSD	12.09715	.7734815	6.781233	.7465469	.7563043	.0072289

#1	.1542795	34.41213	.0048865	122.6949	24.75782	.2118696
#2	.1831425	34.79062	.0053788	123.9972	25.02404	.2118479

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					20.00000	
Low Limit					-.010000	

Sample Name: 500-111337-a-1-b Acquired: 5/14/2016 1:06:37 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	82.38859	13.34043	.0032066	-.001226	.0105778	21.77414
Stddev	.73860	.03275	.0016584	.003264	.0011324	.06370
%RSD	.8964852	.2455173	51.71633	266.1338	10.70588	.2925690

#1	81.86632	13.31727	.0020340	.001082	.0113785	21.72909
#2	82.91086	13.36359	.0043793	-.003535	.0097770	21.81918

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0059441	.2140282	.0006960	.0327036	.0012978	F 355.0806
Stddev	.0011208	.0000024	.0001886	.0021713	.0012675	1.2196
%RSD	18.85510	.0011379	27.09016	6.639486	97.66023	.3434819

#1	.0051516	.2140265	.0005627	.0342390	.0004016	354.2182
#2	.0067366	.2140299	.0008293	.0311682	.0021941	355.9430

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						20.00000
Low Limit						-.020000

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1147.992	736.5284	7145.646	5606.620
Stddev	.384	.8556	2.496	19.961
%RSD	.0334797	.1161673	.0349292	.3560199

#1	1147.721	735.9234	7147.411	5620.734
#2	1148.264	737.1334	7143.881	5592.506

Sample Name: 111337-a-1-b SD@5 Acquired: 5/14/2016 1:11:43 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013472	.0290093	.0029548	1.198159	.0399007	.0003224
Stddev	.0002905	.0058598	.0030280	.005563	.0002378	.0000621
%RSD	21.56404	20.19976	102.4744	.4642748	.5960027	19.27778

#1	.0011418	.0248658	.0050959	1.202093	.0400689	.0003663
#2	.0015526	.0331528	.0008138	1.194226	.0397325	.0002784

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002490	56.31638	.0010241	5.219430	.3134466	.0190607
Stddev	.000207	.64544	.0001368	.004266	.0077053	.0004614
%RSD	8.321233	1.146105	13.35964	.0817406	2.458263	2.420614

#1	-.002344	56.77278	.0009274	5.216413	.3079981	.0187345
#2	-.002637	55.85998	.0011209	5.222447	.3188951	.0193870

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0948127	7.518191	.0009371	27.41501	5.814627	.0463476
Stddev	.0010577	.003866	.0000529	.32720	.057707	.0002292
%RSD	1.115613	.0514248	5.649658	1.193489	.9924515	.4944245

#1	.0955606	7.520925	.0009746	27.64637	5.855432	.0461855
#2	.0940647	7.515458	.0008997	27.18365	5.773822	.0465096

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

Sample Name: 111337-a-1-b SD@5 Acquired: 5/14/2016 1:11:43 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.08246	3.030516	-0.000546	.0000107	.0023761	4.944165
Stddev	.01361	.000977	.001971	.0004547	.0008918	.022437
%RSD	.0752725	.0322285	360.8248	4239.545	37.53382	.4538051

#1	18.09208	3.031206	.000848	-.000311	.0017455	4.960030
#2	18.07284	3.029825	-.001940	.000332	.0030067	4.928299

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013802	.0492008	.0008029	.0045591	.0007377	F 207.0595
Stddev	.0013376	.0014331	.0002183	.0000926	.0001857	.6280
%RSD	96.91621	2.912735	27.18542	2.031245	25.17834	.3032777

#1	.0004343	.0481875	.0006486	.0044936	.0008690	206.6154
#2	.0023260	.0502142	.0009573	.0046246	.0006063	207.5035

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						20.00000
Low Limit						-.020000

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1340.492	822.5861	7631.951	5892.816
Stddev	3.749	5.2244	161.309	37.824
%RSD	.2796938	.6351232	2.113602	.6418739

#1	1337.841	818.8919	7746.013	5866.070
#2	1343.143	826.2803	7517.888	5919.561

Sample Name: 500-111337-a-1-c du Acquired: 5/14/2016 1:16:42 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0047206	.0636607	.0035615	5.390849	.1910489	.0002832
Stddev	.0002129	.0130139	.0011015	.017715	.0005833	.0002747
%RSD	4.510511	20.44253	30.92947	.3286068	.3053146	97.01838

#1	.0045701	.0728629	.0043404	5.378323	.1906365	.0004774
#2	.0048712	.0544585	.0027826	5.403375	.1914614	.0000889

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.005284	264.3090	.0038835	F 25.12680	1.440856	.0905681
Stddev	.001825	1.8776	.0002082	.01087	.001047	.0003106
%RSD	34.54206	.7103943	5.361322	.0432604	.0726376	.3429493

#1	-.003994	262.9813	.0040307	25.13449	1.440116	.0903485
#2	-.006575	265.6367	.0037363	25.11911	1.441596	.0907878

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				20.00000		
Low Limit				-.005000		

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2324796	37.16682	.0052381	132.0075	F 26.63145	.2283172
Stddev	.0061802	.11561	.0003052	.6534	.16667	.0005510
%RSD	2.658372	.3110686	5.827342	.4949670	.6258302	.2413515

#1	.2368496	37.24857	.0054539	131.5455	26.51360	.2279276
#2	.2281095	37.08506	.0050223	132.4695	26.74930	.2287068

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					20.00000	
Low Limit					-.010000	

Sample Name: 500-111337-a-1-c du Acquired: 5/14/2016 1:16:42 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	88.11443	14.28296	.0046089	-.001351	.0165914	24.32621
Stddev	.32682	.00190	.0008727	.002309	.0043590	.05058
%RSD	.3709089	.0132854	18.93415	170.8249	26.27233	.2079326

#1	88.34553	14.28430	.0052260	-.002984	.0135092	24.29044
#2	87.88333	14.28162	.0039919	.000281	.0196737	24.36198

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0053148	.2296246	.0003301	.0325700	.0011209	F 366.2961
Stddev	.0010203	.0008977	.0000873	.0008204	.0004883	1.0009
%RSD	19.19749	.3909613	26.44404	2.518863	43.55984	.2732523

#1	.0060363	.2302594	.0003918	.0331501	.0007756	367.0039
#2	.0045934	.2289898	.0002683	.0319899	.0014661	365.5884

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						20.00000
Low Limit						-.020000

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1134.437	730.3101	7076.950	5561.827
Stddev	2.321	2.5533	33.650	22.289
%RSD	.2045571	.3496245	.4754844	.4007473

#1	1136.078	732.1155	7053.156	5577.587
#2	1132.796	728.5046	7100.744	5546.066

Sample Name: 500-111337-a-1-d.ms Acquired: 5/14/2016 1:21:48 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0499042	1.947953	.1012194	6.091842	2.068733	.0488703
Stddev	.0010170	.021082	.0028174	.009328	.010956	.0008088
%RSD	2.037950	1.082242	2.783405	.1531254	.5295781	1.655065

#1	.0491851	1.933046	.1032116	6.085246	2.060987	.0482984
#2	.0506234	1.962860	.0992272	6.098438	2.076480	.0494422

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5126525	271.1228	.0509467	F 25.46268	1.593978	.3397756
Stddev	.0018685	2.0961	.0001169	.00658	.010336	.0000722
%RSD	.3644698	.7731006	.2295251	.0258600	.6484536	.0212616

#1	.5113313	269.6407	.0508640	25.46733	1.586669	.3397246
#2	.5139737	272.6049	.0510294	25.45802	1.601287	.3398267

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				20.00000		
Low Limit				-.005000		

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.040388	46.40611	.4961754	140.2735	F 26.73049	1.187741
Stddev	.021813	.23531	.0062332	1.0998	.19530	.000615
%RSD	2.096578	.5070678	1.256257	.7840255	.7306313	.0517854

#1	1.024964	46.23972	.4917679	139.4958	26.59240	1.188175
#2	1.055812	46.57250	.5005830	141.0511	26.86859	1.187306

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					20.00000	
Low Limit					-.010000	

Sample Name: 500-111337-a-1-d.ms Acquired: 5/14/2016 1:21:48 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	94.28896	14.68112	.0968654	.4681740	.1039029	24.51885
Stddev	.39464	.01110	.0033237	.0011608	.0025244	.06853
%RSD	.4185380	.0756012	3.431221	.2479348	2.429583	.2795077

#1	94.00991	14.68897	.0945152	.4673533	.1021179	24.47039
#2	94.56801	14.67327	.0992155	.4689948	.1056880	24.56731

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.005112	1.151932	.9524042	.1220571	.4712412	F 375.4606
Stddev	.003591	.002777	.0028605	.0030910	.0006731	7.2364
%RSD	.3572601	.2410987	.3003396	2.532413	.1428427	1.927349

#1	1.002573	1.149968	.9503816	.1198714	.4707653	370.3437
#2	1.007651	1.153896	.9544269	.1242427	.4717172	380.5775

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						20.00000
Low Limit						-.020000

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1122.667	740.1395	7116.205	5560.325
Stddev	.189	.3532	4.188	21.586
%RSD	.0168577	.0477212	.0588450	.3882211

#1	1122.533	740.3893	7119.166	5575.589
#2	1122.801	739.8898	7113.244	5545.062

Sample Name: mb 500-335311/1-a Acquired: 5/14/2016 1:29:09 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002573	.0045884	-.000718	.0071198	-.000004	-.000167	-.000382
Stddev	.0000887	.0059649	.000036	.0000084	.000019	.000012	.001387
%RSD	34.47219	129.9995	4.973389	.1176175	524.8510	7.065148	362.9061

#1	.0003200	.0003706	-.000693	.0071257	.000010	-.000159	-.001363
#2	.0001946	.0088062	-.000744	.0071138	-.000017	-.000176	.000598

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0290466	-.000244	-.000057	.0001130	.0003118	.0777413	.0060101
Stddev	.0023314	.000028	.000161	.0010965	.0001992	.0251224	.0106909
%RSD	8.026313	11.59620	284.1213	970.1137	63.86955	32.31532	177.8836

#1	.0306951	-.000264	-.000171	.0008884	.0004526	.0955055	.0135697
#2	.0273980	-.000224	.000057	-.000662	.0001710	.0599771	-.001550

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000785	.0154474	.0003382	.0002182	.0140412	-.000283	-.001080
Stddev	.000068	.0085904	.0003014	.0000815	.0017269	.000249	.001365
%RSD	8.632888	55.61100	89.14012	37.36619	12.29896	88.05941	126.3646

#1	-.000833	.0215217	.0005513	.0001605	.0152623	-.000459	-.002046
#2	-.000737	.0093730	.0001250	.0002758	.0128201	-.000107	-.000115

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

Sample Name: mb 500-335311/1-a Acquired: 5/14/2016 1:29:09 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001005	.0002034	.0429501	.0000008	.0000761	.0000522	-.002148
Stddev	.001443	.0007202	.0019217	.0005733	.0000074	.0000016	.000036
%RSD	143.5779	354.0548	4.474161	75979.16	9.757587	3.065780	1.681953

#1	.000015	-.000306	.0443090	.0004061	.0000813	.0000511	-.002174
#2	-.002026	.000713	.0415913	-.000405	.0000708	.0000533	-.002123

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0002425	.0071684
Stddev	.0002691	.0011433
%RSD	110.9866	15.94885

#1	.0004327	.0063600
#2	.0000522	.0079768

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1559.085	887.5964	8486.585	5999.525
Stddev	8.625	8.0627	223.945	209.919
%RSD	.5532340	.9083788	2.638814	3.498930

#1	1565.184	893.2976	8328.231	5851.089
#2	1552.986	881.8951	8644.938	6147.960

Sample Name: lcs 500-335311/2-a Acquired: 5/14/2016 1:33:26 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0494245	2.070533	.0973094	.9774233	.5224901	.0538720	.0049489
Stddev	.0005800	.066073	.0023134	.0038442	.0123623	.0011007	.0018247
%RSD	1.173554	3.191119	2.377335	.3932979	2.366027	2.043218	36.87131

#1	.0490143	2.117253	.0956736	.9747050	.5312316	.0546503	.0036586
#2	.0498346	2.023812	.0989452	.9801415	.5137487	.0530937	.0062392

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.31066	.0511877	.5327949	.2000714	.2564777	1.144681	10.86259
Stddev	.26353	.0000768	.0007725	.0002104	.0023689	.057063	.22840
%RSD	2.555935	.1500097	.1449888	.1051498	.9236114	4.985096	2.102627

#1	10.49701	.0512420	.5333412	.2002202	.2548026	1.185031	11.02409
#2	10.12432	.0511334	.5322487	.1999226	.2581527	1.104331	10.70108

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000110	10.24662	.5173784	1.037792	10.64560	.5257236	.1027169
Stddev	.000043	.26902	.0127742	.004015	.24252	.0000899	.0006069
%RSD	39.22535	2.625445	2.469021	.3868431	2.278171	.0171060	.5908986

#1	-.000140	10.43684	.5264111	1.034954	10.81709	.5257872	.1022878
#2	-.000079	10.05639	.5083457	1.040631	10.47411	.5256600	.1031461

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

Sample Name: lcs 500-335311/2-a Acquired: 5/14/2016 1:33:26 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5071487	.0980377	4.829719	1.058525	1.035975	1.041392	.1005548
Stddev	.0048887	.0014787	.006454	.001741	.004881	.000908	.0013878
%RSD	.9639598	1.508288	.1336260	.1644445	.4711621	.0871573	1.380106

#1	.5036918	.0990833	4.825156	1.057294	1.032523	1.040750	.0995735
#2	.5106055	.0969921	4.834283	1.059755	1.039426	1.042034	.1015361

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.5145106	.5333070
Stddev	.0029509	.0015289
%RSD	.5735295	.2866795

#1	.5165971	.5343881
#2	.5124240	.5322259

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1433.834	861.5062	8048.106	5954.408
Stddev	.768	4.0421	23.192	113.513
%RSD	.0535330	.4691875	.2881684	1.906369

#1	1434.377	864.3644	8064.505	5874.142
#2	1433.291	858.6480	8031.706	6034.674

Sample Name: 500-111220-a-10-b Acquired: 5/14/2016 1:37:41 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007223	.0136314	.0001406	1.229578	.0559791	-.000040	-.002093
Stddev	.0001740	.0072970	.0012912	.002933	.0011066	.000044	.001142
%RSD	24.09409	53.53056	918.0652	.2385779	1.976750	109.8968	54.58731

#1	.0008453	.0187911	-.000772	1.227504	.0567615	-.000072	-.002901
#2	.0005992	.0084717	.001054	1.231653	.0551966	-.000009	-.001285

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	59.19084	.0004634	.0005475	.0000657	.0011838	1.036197	14.44718
Stddev	1.00684	.0000257	.0003651	.0002079	.0000877	.009462	.29591
%RSD	1.701013	5.538093	66.68898	316.4054	7.405673	.9131683	2.048221

#1	59.90279	.0004452	.0002893	-.000081	.0011218	1.042888	14.65642
#2	58.47889	.0004815	.0008056	.000213	.0012458	1.029506	14.23794

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0431201	33.38242	.3347290	.0141348	44.43731	-.000344	-.001074
Stddev	.0007696	.65604	.0072892	.0002715	.90432	.000085	.000384
%RSD	1.784685	1.965220	2.177649	1.920483	2.035046	24.62626	35.75337

#1	.0436643	33.84631	.3398833	.0143267	45.07676	-.000284	-.000803
#2	.0425760	32.91853	.3295748	.0139428	43.79786	-.000404	-.001346

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

Sample Name: 500-111220-a-10-b Acquired: 5/14/2016 1:37:41 Type: Unk

Method: P6051316A Mode: CONC Corr. Factor: 1.000000

User: LACYK analytical run: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008712	-.000018	3.774451	.0015800	1.155132	.0014069	-.002819
Stddev	.0002263	.002357	.007240	.0005327	.006181	.0000929	.000273
%RSD	25.96943	13288.95	.1918065	33.71614	.5351249	6.602470	9.680276

#1	.0007112	-.001684	3.769332	.0019567	1.159503	.0013413	-.002626
#2	.0010312	.001649	3.779570	.0012033	1.150762	.0014726	-.003012

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	-.000033	.0108593
Stddev	.000991	.0000298
%RSD	2982.343	.2746242

#1	.000668	.0108804
#2	-.000734	.0108382

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1332.710	823.2093	7695.399	5834.853
Stddev	1.553	1.3859	1.878	97.758
%RSD	.1165294	.1683553	.0244000	1.675415

#1	1331.612	824.1893	7696.727	5765.728
#2	1333.808	822.2293	7694.072	5903.978

Sample Name: 111220-a-10-b SD@5 Acquired: 5/14/2016 1:41:59 Type: Unk
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005732	-.014447	-.000881	.2536341	.0108587	.0002529	-.001875
Stddev	.0001988	.006980	.002854	.0005008	.0001591	.0000856	.000419
%RSD	34.67700	48.31535	323.8894	.1974509	1.464805	33.84942	22.36886
#1	.0007138	-.019383	-.002899	.2532800	.0109711	.0003134	-.001578
#2	.0004327	-.009511	.001137	.2539882	.0107462	.0001924	-.002171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.86498	-.000059	-.000047	.0005886	.0004161	.2129133	2.714144
Stddev	.13542	.000140	.000359	.0002552	.0000548	.0452293	.031007
%RSD	1.141382	239.2885	769.0939	43.35318	13.15676	21.24307	1.142419
#1	11.96074	.000041	.000207	.0007690	.0004548	.1809313	2.736069
#2	11.76922	-.000158	-.000300	.0004081	.0003774	.2448952	2.692219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0077199	6.523671	.0674809	.0027327	8.457766	-.000409	.0001571
Stddev	.0000419	.093058	.0008829	.0002194	.136838	.000169	.0001122
%RSD	.5421716	1.426464	1.308345	8.028237	1.617903	41.18211	71.39326
#1	.0076904	6.589473	.0681052	.0028878	8.554525	-.000528	.0002364
#2	.0077495	6.457869	.0668566	.0025776	8.361006	-.000290	.0000778
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 111220-a-10-b SD@5 Acquired: 5/14/2016 1:41:59 Type: Unk
Method: P6051316A Mode: CONC Corr. Factor: 1.000000
User: LACYK analytical run: Custom ID2: Custom ID3:
Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005909	.0010418	.7482557	.0000116	.2374350	.0006350	-.001865
Stddev	.0017572	.0019288	.0000948	.0002248	.0003738	.0000753	.000964
%RSD	297.3806	185.1426	.0126680	1942.089	.1574240	11.85170	51.68257
#1	-.000652	-.000322	.7481887	.0001706	.2376993	.0005818	-.002546
#2	.001833	.002406	.7483227	-.000147	.2371707	.0006882	-.001183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	-.000007	.0038257
Stddev	.000134	.0003194
%RSD	1843.638	8.348514
#1	.000087	.0040515
#2	-.000102	.0035998
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1471.835	868.9947	8052.372	5972.967
Stddev	.428	.2463	8.864	70.213
%RSD	.0291074	.0283474	.1100762	1.175517
#1	1471.532	869.1689	8058.639	5923.318
#2	1472.138	868.8205	8046.104	6022.615

Sample Name: CCV Acquired: 5/14/2016 1:46:14 Type: QC
Method: P6051316A Mode: CONC Corr. Factor: 1.000000
User: LACYK analytical run: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4667932	48.50653	.4869717	.4795852	.4976862	.5117220
Stddev	.0015753	1.05223	.0010715	.0014200	.0090723	.0126464
%RSD	.3374773	2.169260	.2200308	.2960935	1.822904	2.471347

#1	.4656792	49.25057	.4862141	.4785811	.5041013	.5206644
#2	.4679071	47.76249	.4877294	.4805893	.4912711	.5027797

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5037621	24.51521	.4857747	.5278865	.4831952	.4854621
Stddev	.0011175	.56526	.0000923	.0001686	.0010514	.0053221
%RSD	.2218283	2.305737	.0189910	.0319362	.2175916	1.096295

#1	.5029719	24.91491	.4857094	.5277673	.4824517	.4816988
#2	.5045523	24.11551	.4858399	.5280057	.4839386	.4892254

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.84458	49.06992	3.929467	24.80687	4.932420	.4887119
Stddev	.62526	1.01992	.086977	.56972	.103042	.0005632
%RSD	2.516700	2.078506	2.213465	2.296627	2.089082	.1152509

#1	25.28670	49.79112	3.990969	25.20972	5.005282	.4883136
#2	24.40245	48.34873	3.867965	24.40402	4.859558	.4891101

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

Sample Name: CCV Acquired: 5/14/2016 1:46:14 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.09511	.5244666	.4989348	.4732473	.4816042	.4651003
Stddev	.49648	.0008218	.0021695	.0031238	.0014059	.0004157
%RSD	2.060496	.1566910	.4348283	.6600700	.2919244	.0893741

#1	24.44618	.5238855	.4974008	.4710385	.4825983	.4653943
#2	23.74405	.5250477	.5004689	.4754561	.4806100	.4648064

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5367368	.4941386	.4907452	.4921653	4.851642	F .5503070
Stddev	.0008332	.0027756	.0034395	.0003951	.035656	.0003628
%RSD	.1552408	.5616982	.7008631	.0802867	.7349280	.0659350

#1	.5373260	.4921760	.4883131	.4924446	4.826429	.5505635
#2	.5361477	.4961012	.4931772	.4918858	4.876854	.5500504

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						.5000000
Range						10.00000%

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1317.828	853.4466	7879.038	5891.849
Stddev	4.748	2.2920	46.403	97.771
%RSD	.3603085	.2685594	.5889417	1.659426

#1	1321.186	855.0673	7911.850	5822.714
#2	1314.471	851.8259	7846.226	5960.983

Sample Name: CCB Acquired: 5/14/2016 1:50:19 Type: QC
Method: P6051316A Mode: CONC Corr. Factor: 1.000000
User: LACYK analytical run: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007244	.0009780	-.000837	.0015205	-.000127	.0000689	-.000492
Stddev	.0011764	.0047665	.001075	.0002777	.000017	.0001003	.000719
%RSD	162.3916	487.3740	128.4505	18.26268	13.11779	145.5682	146.0305
#1	.0015563	.0043484	-.000077	.0013241	-.000139	.0001398	.000016
#2	-.000107	-.002392	-.001596	.0017168	-.000115	-.000002	-.001000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.013787	-.000006	-.000225	-.000113	.0000483	.0039031	-.010241
Stddev	.001625	.000094	.000286	.000369	.0000910	.0152593	.011038
%RSD	11.78702	1454.297	127.2434	325.9959	188.4725	390.9501	107.7804
#1	-.014936	.000060	-.000427	-.000374	-.000016	-.006887	-.002436
#2	-.012638	-.000073	-.000023	.000148	.000113	.014693	-.018046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000217	.0057121	-.000070	.0005333	-.015581	-.000123	-.000018
Stddev	.000391	.0030805	.000007	.0000887	.003459	.000716	.000671
%RSD	179.9380	53.92933	10.00532	16.63497	22.20029	581.1547	3643.552
#1	.000059	.0035339	-.000074	.0004706	-.018027	-.000630	-.000493
#2	-.000494	.0078904	-.000065	.0005960	-.013135	.000383	.000456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 5/14/2016 1:50:19 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010980	-.003301	.0058377	.0007923	-.000010	.0002438	-.001312
Stddev	.0004883	.001546	.0015971	.0013084	.000012	.0003416	.000208
%RSD	44.47353	46.83493	27.35826	165.1283	120.5169	140.1456	15.85929

#1	.0014433	-.002208	.0047084	.0017175	-.000018	.0000022	-.001459
#2	.0007527	-.004395	.0069670	-.000133	-.000001	.0004853	-.001165

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0003534	.0011848
Stddev	.0004969	.0000966
%RSD	140.6251	8.151095

#1	.0000020	.0012530
#2	.0007048	.0011165

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1554.432	889.0762	8222.534	5958.288
Stddev	3.295	3.0910	6.593	150.745
%RSD	.2119881	.3476644	.0801817	2.529997

#1	1552.102	886.8905	8227.196	5851.696
#2	1556.762	891.2619	8217.872	6064.881

Sample Name: CCVL Acquired: 5/14/2016 1:53:44 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0051387	.1853252	.0091520	.0505077	.0099268	.0039510
Stddev	.0004156	.0151064	.0016063	.0000597	.0000633	.0001485
%RSD	8.088471	8.151272	17.55133	.1181299	.6378049	3.758689

#1	.0048448	.1960070	.0080161	.0504655	.0099716	.0038460
#2	.0054326	.1746434	.0102878	.0505499	.0098820	.0040561

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0490386	.1876352	.0017296	.0048364	.0099065	.0100966
Stddev	.0000862	.0012059	.0003312	.0002080	.0001752	.0002521
%RSD	.1756909	.6426852	19.14914	4.300011	1.768190	2.496630

#1	.0489777	.1884879	.0019638	.0046893	.0100304	.0102749
#2	.0490995	.1867825	.0014954	.0049834	.0097827	.0099184

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2376943	.4864410	.0092224	.0960566	.0099857	.0099730
Stddev	.0101463	.0050812	.0000208	.0304576	.0001755	.0000968
%RSD	4.268626	1.044562	.2258209	31.70799	1.757057	.9709884

#1	.2448688	.4900340	.0092371	.1175934	.0101097	.0099046
#2	.2305198	.4828481	.0092076	.0745198	.0098616	.0100415

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

Sample Name: CCVL Acquired: 5/14/2016 1:53:44 Type: QC
 Method: P6051316A Mode: CONC Corr. Factor: 1.000000
 User: LACYK analytical run: Custom ID2: Custom ID3:
 Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9669786	.0099552	F .0033473	.0190589	.0091446	.1777604
Stddev	.0106850	.0003675	.0011851	.0002302	.0002750	.0017543
%RSD	1.104989	3.690998	35.40606	1.207711	3.007462	.9869088

#1	.9745341	.0102150	.0041853	.0192216	.0093390	.1765199
#2	.9594232	.0096954	.0025092	.0188961	.0089501	.1790009

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value			.0050000			
Range			-30.0000%			

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0405604	.0051893	.0049616	.0083023	.0053489	.0219728
Stddev	.0012262	.0000242	.0002687	.0010657	.0003712	.0004345
%RSD	3.023119	.4661326	5.416236	12.83623	6.939757	1.977513

#1	.0396934	.0051722	.0051516	.0090559	.0050864	.0216655
#2	.0414275	.0052064	.0047716	.0075487	.0056114	.0222800

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1552.160	893.7384	8260.916	6042.291
Stddev	3.509	3.1253	32.594	86.877
%RSD	.2260990	.3496856	.3945623	1.437823

#1	1554.642	895.9483	8283.964	5980.859
#2	1549.679	891.5285	8237.869	6103.722

Sample Name: CCVL Acquired: 5/14/2016 1:58:00 Type: QC
Method: P6051316A Mode: CONC Corr. Factor: 1.000000
User: LACYK analytical run: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0052943	.1898020	.0095316	.0492127	.0100424	.0040751
Stddev	.0000324	.0278197	.0008313	.0003107	.0001804	.0001013
%RSD	.6114574	14.65723	8.721806	.6313065	1.796070	2.485980

#1	.0052714	.2094735	.0101194	.0489930	.0101699	.0041467
#2	.0053172	.1701305	.0089437	.0494324	.0099148	.0040035

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0499464	.1905482	.0019408	.0050465	.0103857	.0098909
Stddev	.0008075	.0006948	.0001382	.0000035	.0003387	.0001541
%RSD	1.616713	.3646515	7.119938	.0691006	3.261611	1.558263

#1	.0505174	.1910395	.0020385	.0050490	.0106252	.0097819
#2	.0493755	.1900569	.0018431	.0050441	.0101462	.0099999

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2335561	.4699432	.0099547	.1164697	.0100800	.0097040
Stddev	.0258930	.0045488	.0000545	.0012391	.0002600	.0000254
%RSD	11.08643	.9679490	.5472375	1.063893	2.579323	.2618175

#1	.2518653	.4731597	.0099933	.1173459	.0098961	.0097220
#2	.2152470	.4667267	.0099162	.1155935	.0102638	.0096860

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

Sample Name: CCVL Acquired: 5/14/2016 1:58:00 Type: QC
Method: P6051316A Mode: CONC Corr. Factor: 1.000000
User: LACYK analytical run: Custom ID2: Custom ID3:
Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9659131	.0099435	.0046698	.0190118	.0080231	.1759628
Stddev	.0052858	.0005313	.0004117	.0036379	.0029392	.0009899
%RSD	.5472379	5.343286	8.816187	19.13499	36.63382	.5625353

#1	.9696507	.0095678	.0043787	.0164394	.0059448	.1752629
#2	.9621754	.0103192	.0049609	.0215842	.0101014	.1766627

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0406015	.0052211	.0049894	F .0068622	.0048087	.0221629
Stddev	.0001299	.0000068	.0000273	.0005213	.0002808	.0000720
%RSD	.3199661	.1301742	.5471268	7.596967	5.839890	.3248590

#1	.0406934	.0052259	.0049701	.0072308	.0050072	.0222138
#2	.0405096	.0052163	.0050088	.0064936	.0046101	.0221120

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value				.0100000		
Range				-30.0000%		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1546.473	894.4427	8253.269	6061.889
Stddev	1.314	1.8679	18.962	39.320
%RSD	.0849547	.2088319	.2297535	.6486456

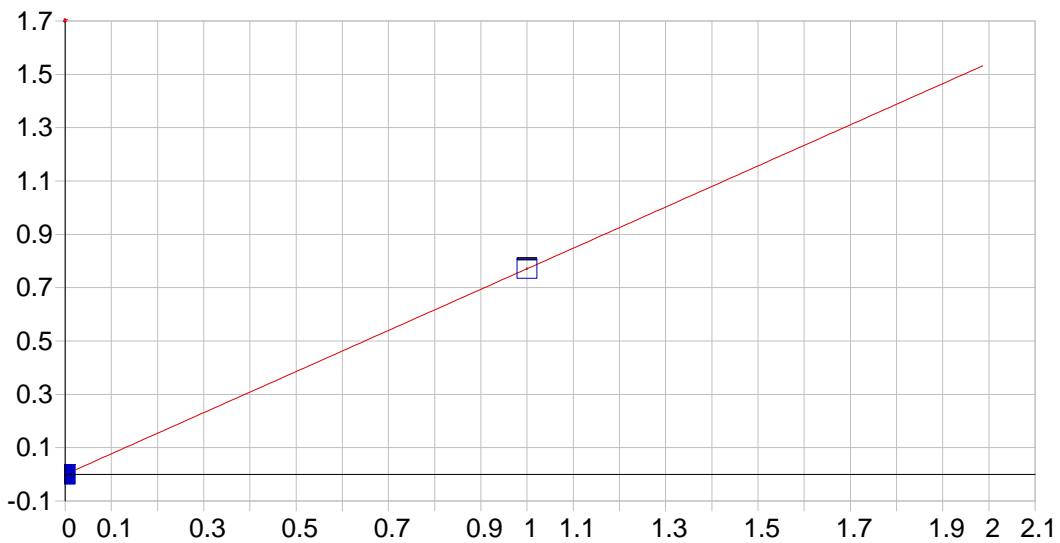
#1	1547.402	895.7635	8266.677	6034.085
#2	1545.544	893.1219	8239.861	6089.692

Pos ID	Rack	Row	Col	Type	Samplename	Comment	CorrFact	Check	Check Table
1	---	---	---	Cal	---	---	---	---	---
2	1	1	1	QC	S1	P8051016A	1	☒	S1
3	2	1	2	QC	S2		1	☒	S2
4	3	1	3	QC	ICV		1	☒	ICV
5	4	1	4	QC	ICB		1	☒	ICB
6	5	1	5	QC	ICVL		1	☒	CCVLL
7	6	1	6	QC	CRI		1	☒	CRI
8	7	1	7	QC	ICSA		1	☒	ICSA
9	8	1	8	QC	ICSAB		1	☒	ICSAB
10	109	2	1	QC	ICSA		1	☒	ICSA
11	9	1	9	QC	CCV		1	☒	CCV
12	10	1	10	QC	CCB		1	☒	CCB
13	11	1	11	QC	MRL		1	☒	CCVLL
14	12	1	12	Unk	500-11230-h-1-a@5		1	☒	RLTABLE
15	13	1	1	Unk	mb 500-334357/1-a		1	☒	RLTABLE
16	14	1	2	Unk	lcs 500-334357/2-a		1	☒	RLTABLE
17	15	1	3	Unk	500-111095-g-1-c		1	☒	RLTABLE
18	16	1	4	Unk	500-111095-g-2-c		1	☒	RLTABLE
19	17	1	5	Unk	500-111095-g-3-c		1	☒	RLTABLE
20	18	1	6	Unk	500-111095-g-4-c		1	☒	RLTABLE
21	19	1	7	Unk	500-111095-g-5-c		1	☒	RLTABLE
22	20	1	8	Unk	500-111095-g-5-csd@5		1	☒	RLTABLE
23	21	1	9	Unk	500-111095-g-5-d du		1	☒	RLTABLE
24	22	1	10	QC	CCV		1	☒	CCV
25	23	1	11	QC	CCB		1	☒	CCB
26	24	1	12	Unk	500-111095-g-5-e ms		1	☒	RLTABLE
27	25	1	1	Unk	500-111095-g-5-f msd		1	☒	RLTABLE
28	26	1	2	Unk	500-111245-f-1-a		1	☒	RLTABLE
29	27	1	3	Unk	500-111245-f-2-a		1	☒	RLTABLE
30	28	1	4	Unk	500-111245-f-3-a		1	☒	RLTABLE
31	29	1	5	Unk	500-111245-f-4-a		1	☒	RLTABLE
32	30	1	6	Unk	500-111245-f-5-a		1	☒	RLTABLE
33	31	1	7	Unk	500-111245-f-6-a		1	☒	RLTABLE
34	32	1	8	Unk	500-111245-f-7-a		1	☒	RLTABLE
35	33	1	9	Unk	500-111245-f-8-a		1	☒	RLTABLE
36	34	1	10	QC	CCV		1	☒	CCV
37	35	1	11	QC	CCB		1	☒	CCB
38	36	1	12	Unk	500-111245-f-9-a		1	☒	RLTABLE
39	37	1	1	Unk	500-111245-f-10-a		1	☒	RLTABLE
40	38	1	2	Unk	500-111245-f-11-a		1	☒	RLTABLE
41	39	1	3	Unk	mb 500-334344/1-a		1	☒	RLTABLE
42	40	1	4	Unk	lcs 500-334344/2-a		1	☒	RLTABLE
43	41	1	5	Unk	500-111195-a-1-a		1	☒	RLTABLE
44	110	2	2	Unk	mb 500-334731/1-a		1	☒	RLTABLE
45	111	2	3	Unk	lcs 500-334731/2-a		1	☒	RLTABLE
46	112	2	4	Unk	500-111280-b-1-e		1	☒	RLTABLE
47	113	2	5	QC	CCV		1	☒	CCV
48	114	2	6	QC	CCB		1	☒	CCB
49	42	1	6	Unk	111195-a-1-a SD@5		1	☒	RLTABLE
50	43	1	7	Unk	500-111195-a-1-b du		1	☒	RLTABLE
51	44	1	8	Unk	500-111195-a-1-c ms		1	☒	RLTABLE
52	45	1	9	Unk	500-111195-a-1-d msd		1	☒	RLTABLE
53	46	1	10	QC	CCV		1	☒	CCV
54	47	1	11	QC	CCB		1	☒	CCB
55	48	1	12	Unk	500-111195-a-2-a		1	☒	RLTABLE
56	49	1	1	Unk	500-111195-a-3-a		1	☒	RLTABLE
57	50	1	2	Unk	500-111195-a-4-a		1	☒	RLTABLE
58	51	1	3	Unk	500-111195-a-5-a		1	☒	RLTABLE
59	52	1	4	Unk	500-111195-a-6-a		1	☒	RLTABLE

	Fail Action
1	None
2	None
3	None
4	None
5	None
6	None
7	None
8	None
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53	None
54	None
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56	---
57	---
58	---
59	---

	Pos ID	Rack	Row	Col	Type	Samplename	Comment	CorrFact	Check	Check Table
60	53	1	5	5	Unk	500-111195-a-7-a		1	☒	RLTABLE
61	54	1	6	5	Unk	500-111195-a-8-a		1	☒	RLTABLE
62	55	1	7	5	Unk	500-111195-a-9-a		1	☒	RLTABLE
63	56	1	8	5	Unk	mb 500-334709/1-a		1	☒	RLTABLE
64	57	1	9	5	Unk	lcs 500-334709/2-a		1	☒	RLTABLE
65	58	1	10	5	QC	CCV		1	☒	CCV
66	59	1	11	5	QC	CCB		1	☒	CCB
67	60	1	12	5	Unk	500-111327-c-1-a		1	☒	RLTABLE
68	61	2	1	1	Unk	111327-c-1-a @100		1	☒	RLTABLE
69	62	2	2	1	Unk	500-111327-c-2-a		1	☒	RLTABLE
70	63	2	3	1	Unk	111327-c-2-a SD@5		1	☒	RLTABLE
71	64	2	4	1	Unk	500-111327-c-2-b du		1	☒	RLTABLE
72	65	2	5	1	Unk	500-111327-c-2-c ms		1	☒	RLTABLE
73	66	2	6	1	Unk	111327-c-2-a @100		1	☒	RLTABLE
74	67	2	7	1	Unk	111327-c-2-a SD@500		1	☒	RLTABLE
75	68	2	8	1	Unk	111327-c-2-b du @100		1	☒	RLTABLE
76	69	2	9	1	Unk	111327-c-2-c ms @100		1	☒	RLTABLE
77	70	2	10	1	QC	CCV		1	☒	CCV
78	71	2	11	1	QC	CCB		1	☒	CCB
79	72	2	12	1	Unk	500-111298-a-1-a		1	☒	RLTABLE
80	73	2	1	2	Unk	111298-a-1-a SD@5		1	☒	RLTABLE
81	74	2	2	2	Unk	500-111298-a-1-b du		1	☒	RLTABLE
82	75	2	3	2	Unk	500-111298-a-1-c ms		1	☒	RLTABLE
83	76	2	4	2	Unk	500-111319-a-1-a		1	☒	RLTABLE
84	77	2	5	2	Unk	500-111319-a-2-a		1	☒	RLTABLE
85	78	2	6	2	Unk	500-111319-a-3-a		1	☒	RLTABLE
86	79	2	7	2	Unk	500-111319-a-4-a		1	☒	RLTABLE
87	80	2	8	2	Unk	500-111319-a-5-a		1	☒	RLTABLE
88	81	2	9	2	Unk	500-111319-a-6-a		1	☒	RLTABLE
89	82	2	10	2	QC	CCV		1	☒	CCV
90	83	2	11	2	QC	CCB		1	☒	CCB
91	84	2	12	2	Unk	500-111319-a-7-a		1	☒	RLTABLE
92	85	2	1	3	Unk	500-111319-a-8-a		1	☒	RLTABLE
93	86	2	2	3	Unk	500-111319-a-9-a		1	☒	RLTABLE
94	87	2	3	3	Unk	500-111319-a-10-a		1	☒	RLTABLE
95	88	2	4	3	Unk	500-111319-a-11-a		1	☒	RLTABLE
96	89	2	5	3	Unk	500-111319-a-12-a		1	☒	RLTABLE
97	90	2	6	3	Unk	500-111319-a-13-a		1	☒	RLTABLE
98	91	2	7	3	Unk	500-111319-a-14-a		1	☒	RLTABLE
99	92	2	8	3	Unk	500-111319-a-15-a		1	☒	RLTABLE
100	93	2	9	3	Unk	500-111319-a-16-a		1	☒	RLTABLE
101	94	2	10	3	QC	CCV		1	☒	CCV
102	95	2	11	3	QC	CCB		1	☒	CCB
103	96	2	12	3	Unk	500-111319-a-17-a		1	☒	RLTABLE
104	97	2	1	4	QC	CCV		1	☒	CCV
105	98	2	2	4	QC	CCB		1	☒	CCB
106	99	2	3	4	QC	CCVL		1	☒	CCVLL

	Fail Action
60	---
61	---
62	---
63	---
64	---
65	None
66	None
67	---
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69	---
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71	---
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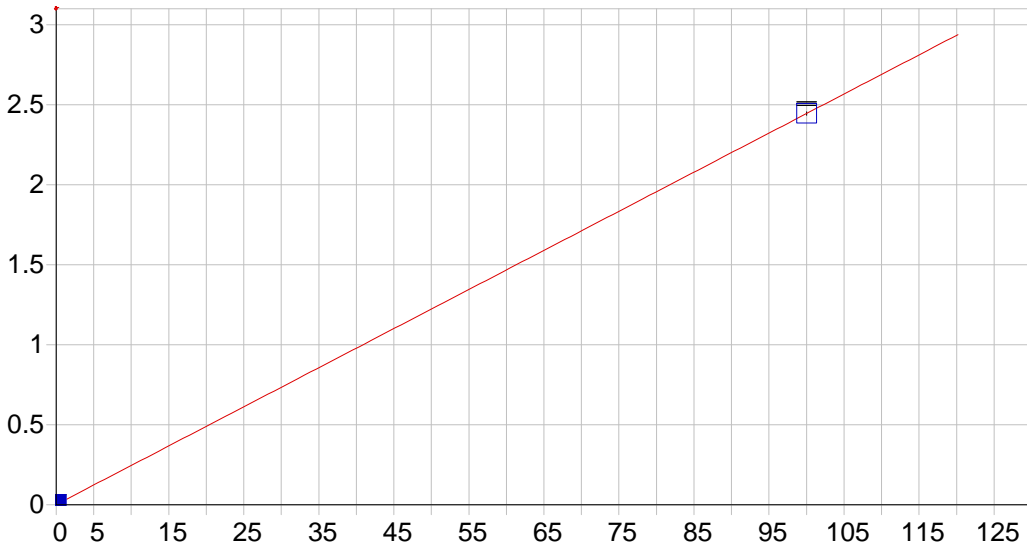


Ag 328.068 {103}

Date of Fit: 5/10/2016 11:22:58 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000195 Re-Slope: 1.000000
 A1 (Gain): 0.771144 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000743
 Predicted MQL: 0.002475

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00020	.000	1
S1	1.0000	1.0000	.000	.000	.77095	.004	1

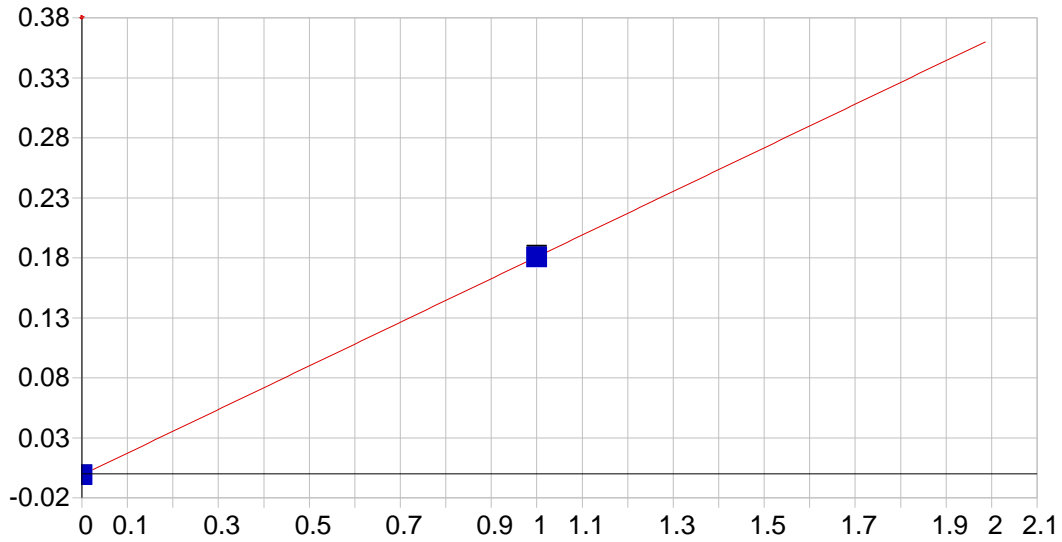


Al 308.215 {109}

Date of Fit: 5/10/2016 11:27:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001086 Re-Slope: 1.000000
 A1 (Gain): 0.024440 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.026902
 Predicted MQL: 0.089672

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00109	.000	1
S2	100.00	100.00	.000	.000	2.4450	.011	1

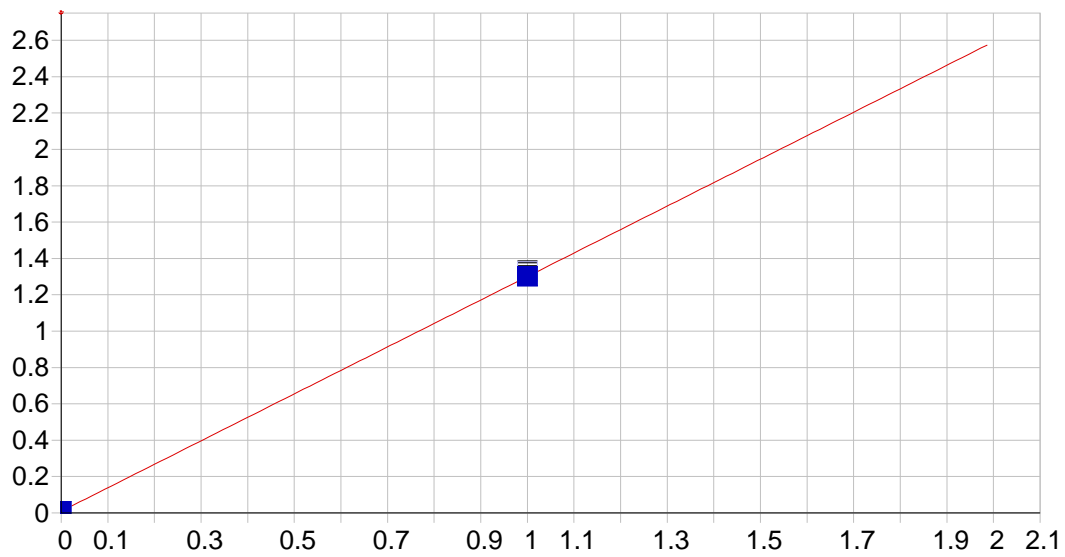


As 189.042 {478}

Date of Fit: 5/10/2016 11:22:58 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000933 Re-Slope: 1.000000
 A1 (Gain): 0.181743 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.003598
 Predicted MQL: 0.011993

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00093	.001	1
S1	1.0000	1.00000	.000	.000	.18010	.001	1

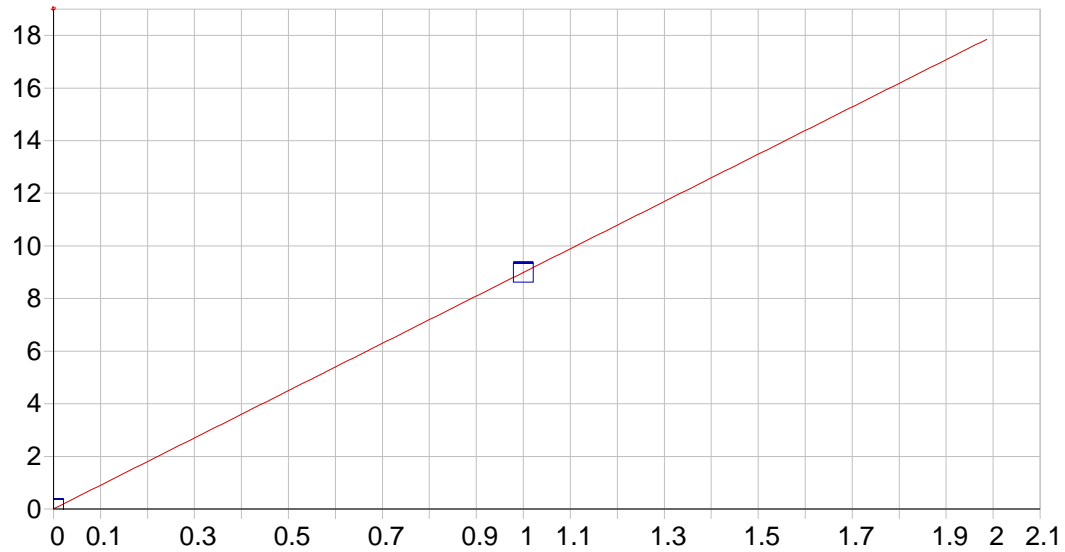


B 208.959 {461}

Date of Fit: 5/10/2016 11:22:58 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.009217 Re-Slope: 1.000000
 A1 (Gain): 1.291328 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000523
 Predicted MQL: 0.001744

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00922	.000	1
S1	1.0000	1.0000	.000	.000	1.3266	.004	1

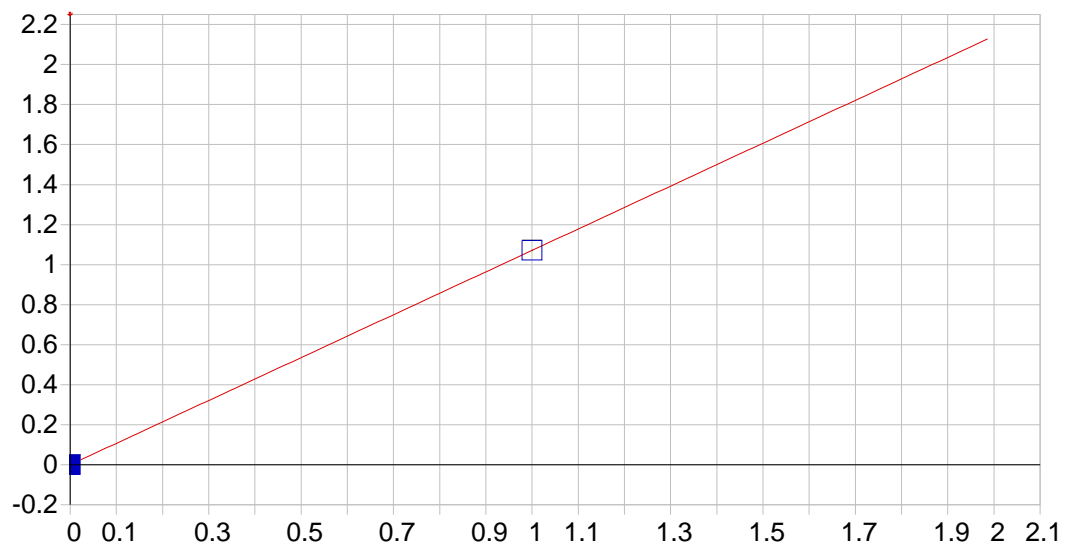


Ba 455.403 {74}

Date of Fit: 5/10/2016 11:22:58 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.006405 Re-Slope: 1.000000
 A1 (Gain): 8.986555 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000161
 Predicted MQL: 0.000536

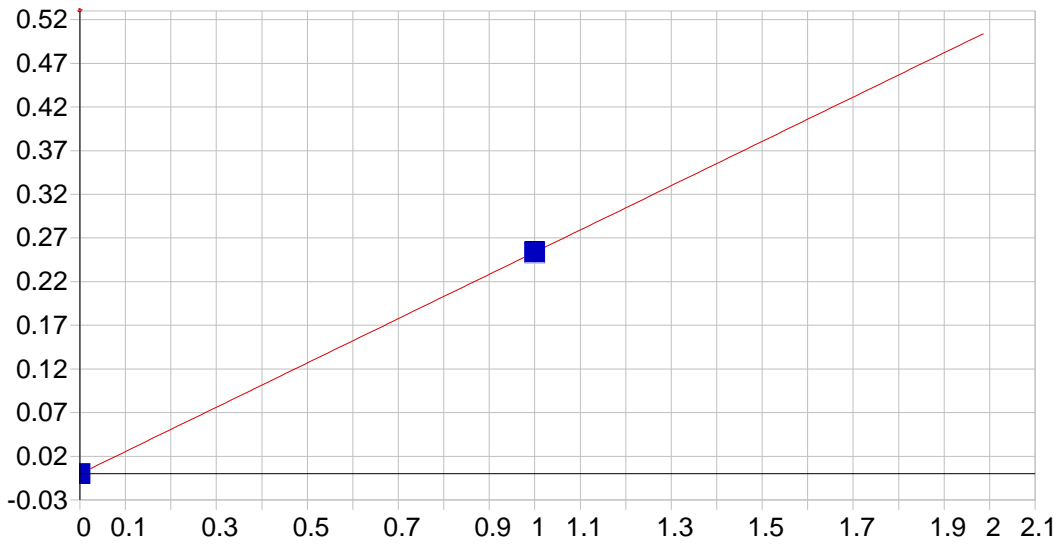
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00641	.000	1
S1	1.0000	1.0000	.000	.000	8.9930	.024	1



Be 234.861 {143}

Date of Fit: 5/10/2016 11:22:58 Type of Fit: Linear Weighting: 1/Conc
 A0 (Offset): -0.000228 Re-Slope: 1.000000
 A1 (Gain): 1.071412 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000436
 Predicted MQL: 0.001452

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00023	.000	1
S1	1.0000	1.0000	.000	.000	1.0712	.000	1

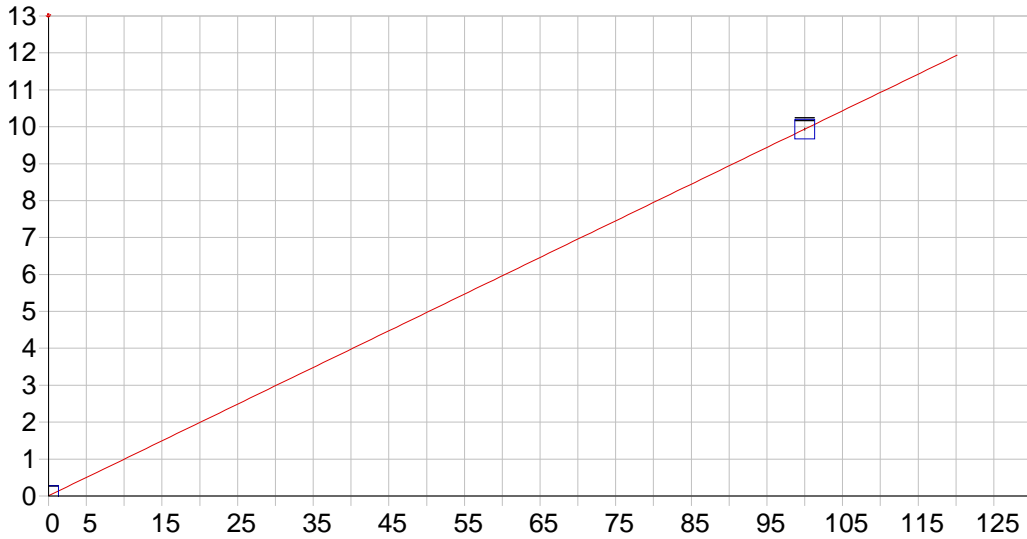


Bi 223.061 {451}

Date of Fit: 5/10/2016 11:22:58 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000006 Re-Slope: 1.000000
 A1 (Gain): 0.253734 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.002186
 Predicted MQL: 0.007285

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00001	.000	1
S1	1.0000	1.0000	.000	.000	.25188	.001	1

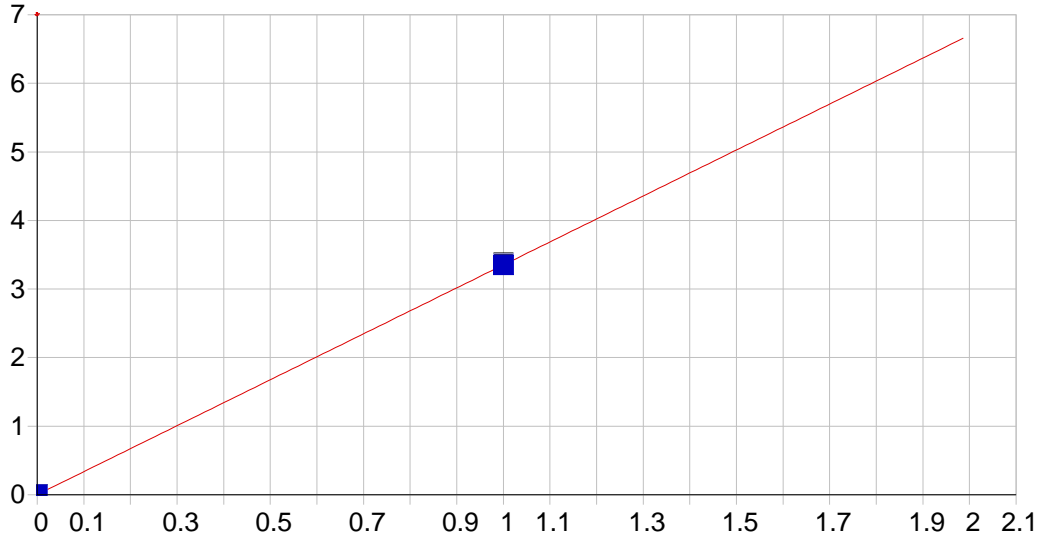


Ca 317.933 {106}

Date of Fit: 5/10/2016 11:27:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.004598 Re-Slope: 1.000000
 A1 (Gain): 0.099317 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.005217
 Predicted MQL: 0.017388

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00460	.000	1
S2	100.00	100.00	.000	.000	9.9363	.035	1

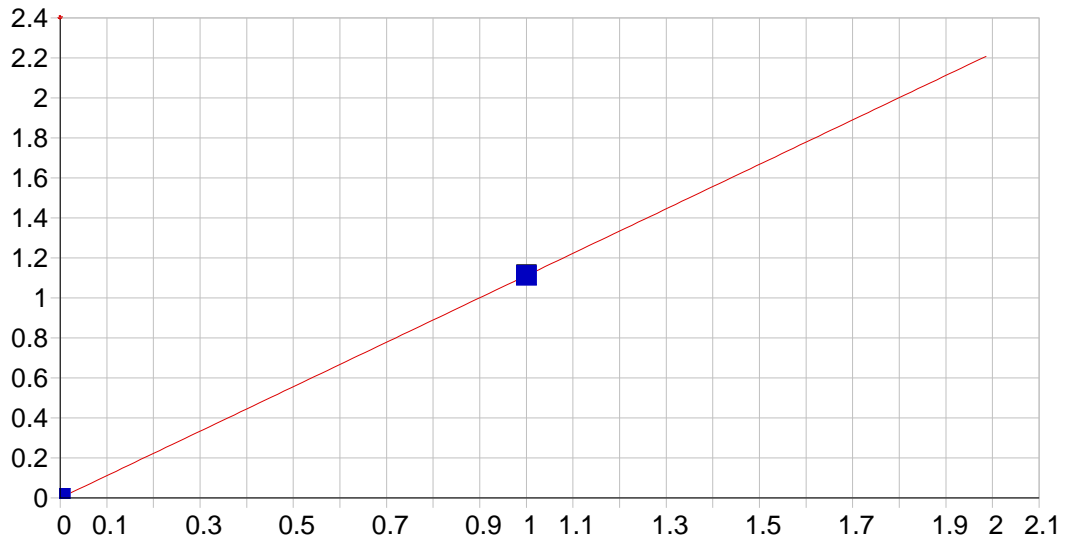


Cd 228.802 {447}

Date of Fit: 5/10/2016 11:22:58 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001670 Re-Slope: 1.000000
 A1 (Gain): 3.350495 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000295
 Predicted MQL: 0.000982

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00167	.001	1
S1	1.0000	1.0000	.000	.000	3.3710	.010	1

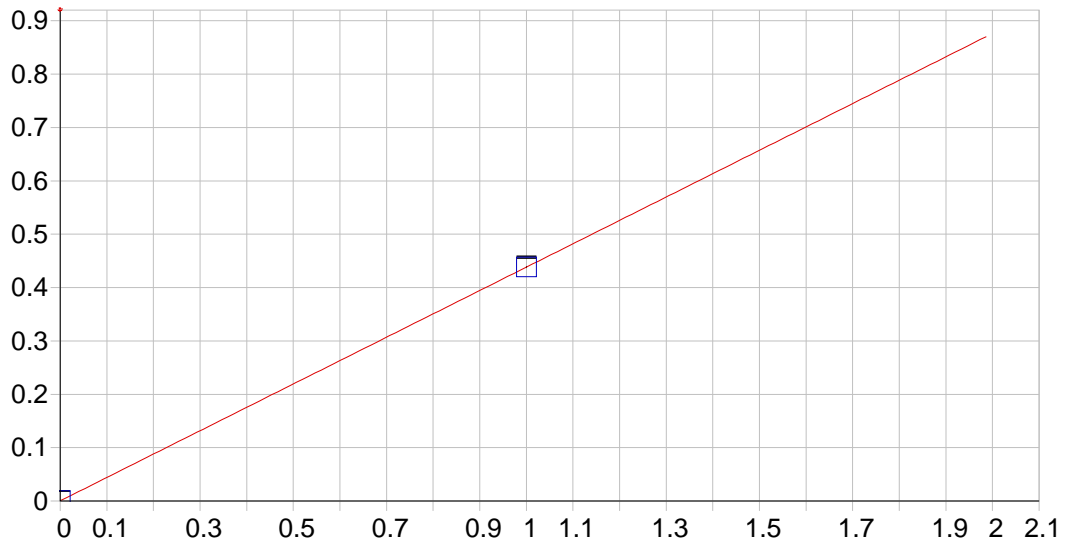


Co 228.616 {447}

Date of Fit: 5/10/2016 11:22:58 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000116 Re-Slope: 1.000000
 A1 (Gain): 1.111738 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000492
 Predicted MQL: 0.001640

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00012	.000	1
S1	1.0000	1.0000	.000	.000	1.1137	.002	1

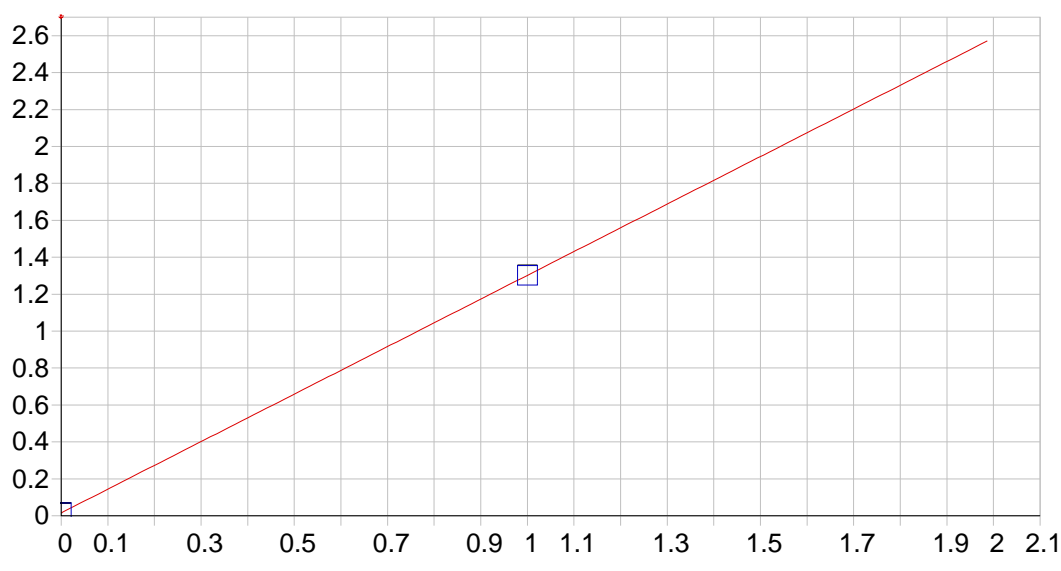


Cr 267.716 {126}

Date of Fit: 5/10/2016 11:22:58 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000309 Re-Slope: 1.000000
 A1 (Gain): 0.437976 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000858
 Predicted MQL: 0.002859

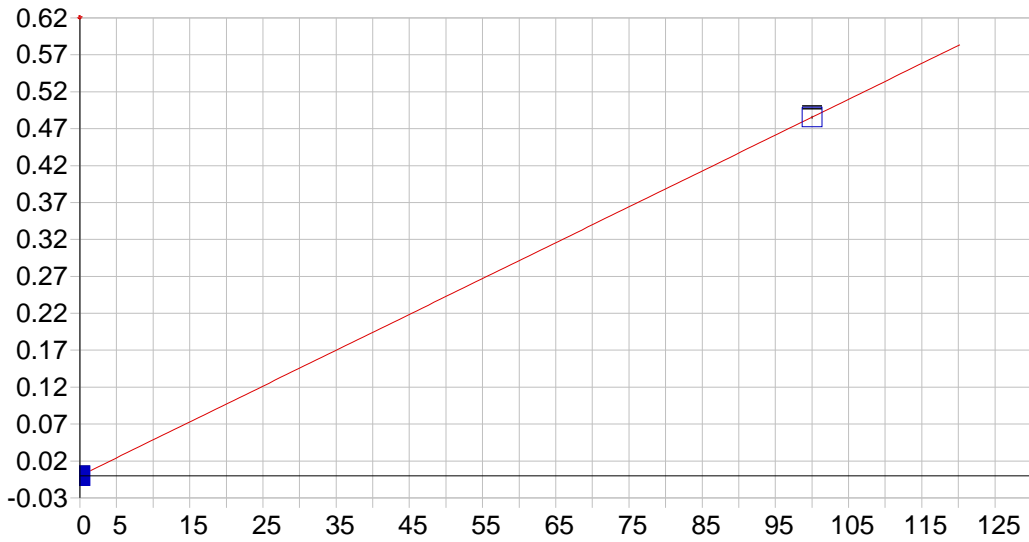
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00031	.000	1
S1	1.0000	1.0000	.000	.000	.43829	.002	1



Cu 324.754 {104}

Date of Fit: 5/10/2016 11:22:58 Type of Fit: Linear Weighting: 1/Conc
 A0 (Offset): 0.015525 Re-Slope: 1.000000
 A1 (Gain): 1.286518 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000446
 Predicted MQL: 0.001487

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.01553	.000	1
S1	1.0000	1.0000	.000	.000	1.3020	.001	1

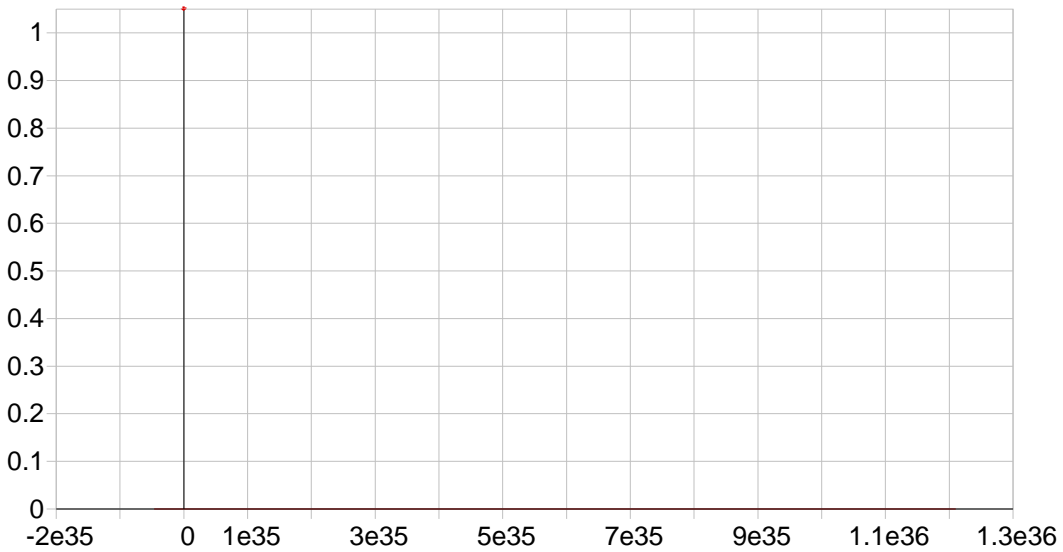


Fe 271.441 {124}

Date of Fit: 5/10/2016 11:27:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000005 Re-Slope: 1.000000
 A1 (Gain): 0.004855 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.077312
 Predicted MQL: 0.257706

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00000	.000	1
S2	100.00	100.00	.000	.000	.48553	.002	1

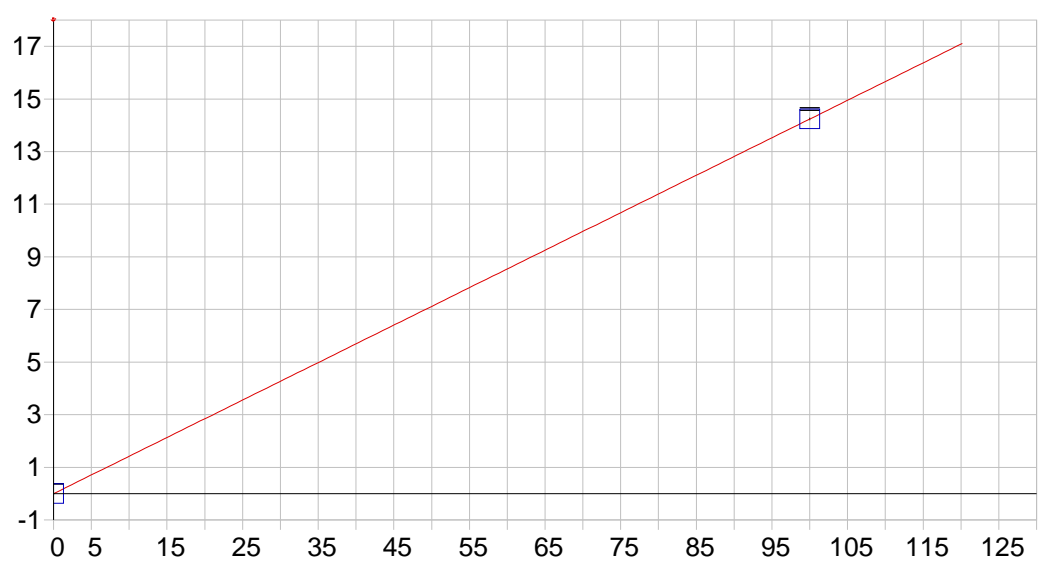


In 230.606 {446}*

Date of Fit: <not fit> Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000000 Re-Slope: 1.000000
 A1 (Gain): 0.000000 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.000000 Status: Warning Zero Gain
 Std Error of Est: 0.000000
 Predicted MDL: n/a
 Predicted MQL: n/a

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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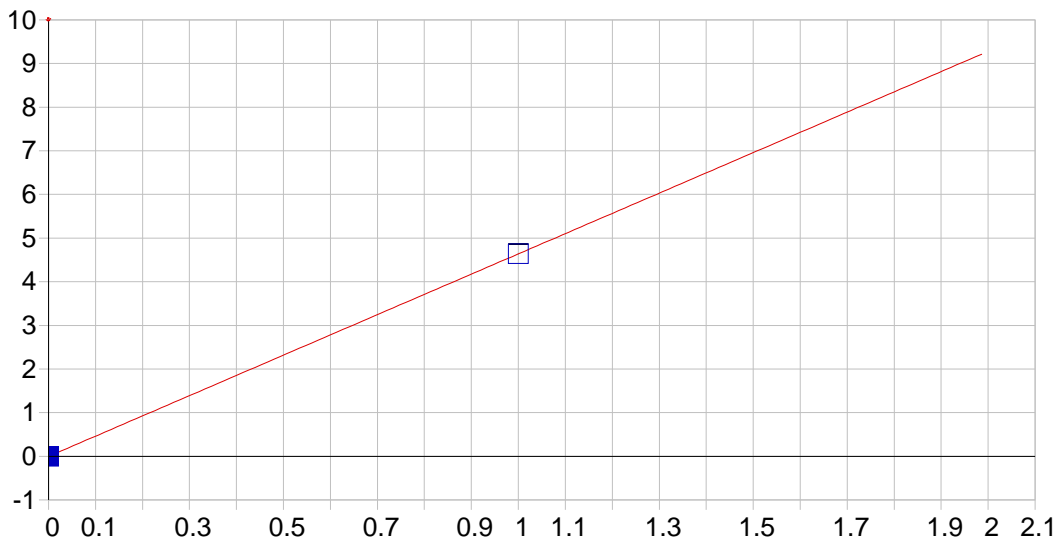


K 766.490 { 44 }

Date of Fit: 5/10/2016 11:27:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.004012 Re-Slope: 1.000000
 A1 (Gain): 0.142414 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.022986
 Predicted MQL: 0.076621

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00401	.002	1
S2	100.00	100.00	.000	.000	14.237	.047	1

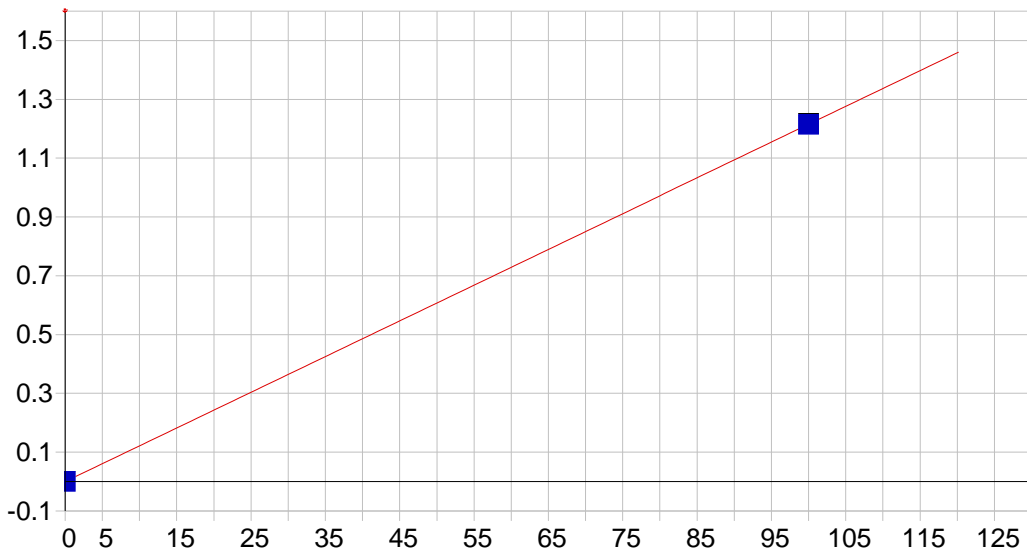


Li 670.784 { 50}

Date of Fit: 5/10/2016 11:22:58 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.002932 Re-Slope: 1.000000
 A1 (Gain): 4.641154 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000721
 Predicted MQL: 0.002404

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00293	.006	1
S1	1.0000	1.0000	.000	.000	4.6382	.003	1

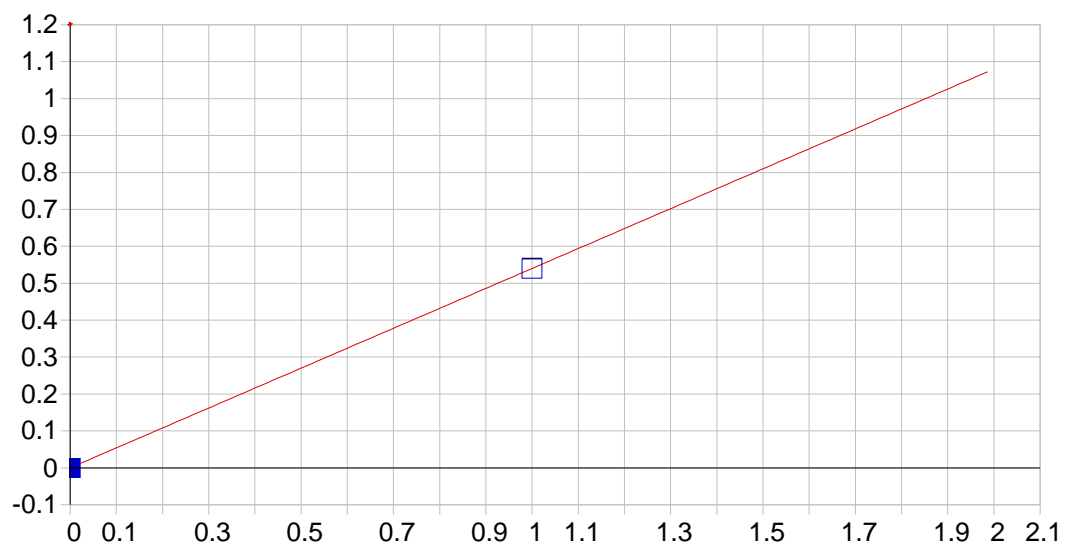


Mg 279.079 {121}

Date of Fit: 5/10/2016 11:27:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000193 Re-Slope: 1.000000
 A1 (Gain): 0.012153 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.032408
 Predicted MQL: 0.108027

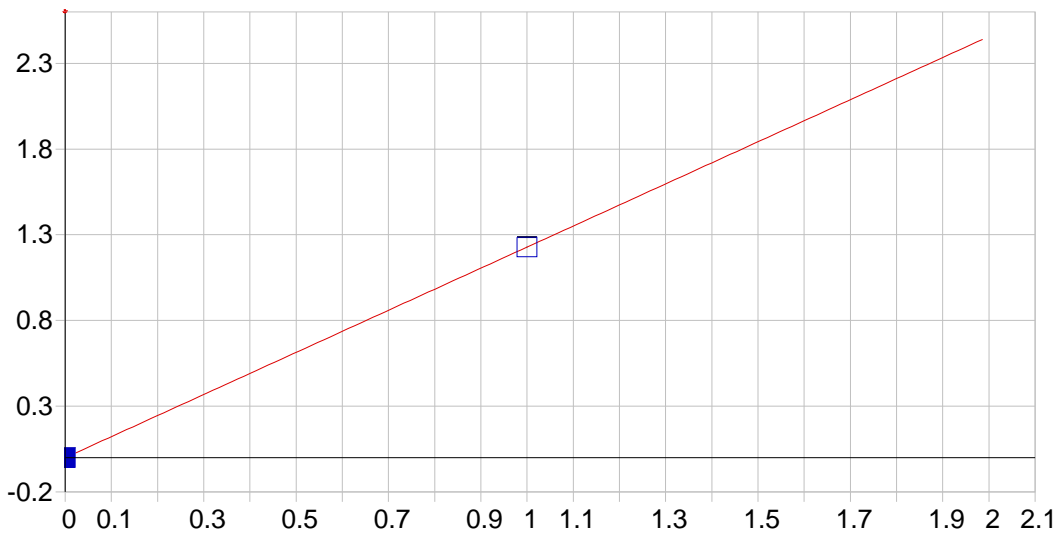
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00019	.000	1
S2	100.00	100.00	.000	.000	1.2151	.003	1



Date of Fit: 5/10/2016 11:22:58 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000015 Re-Slope: 1.000000
 A1 (Gain): 0.539971 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000753
 Predicted MQL: 0.002511

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00001	.000	1
S1	1.0000	1.0000	.000	.000	.53996	.001	1

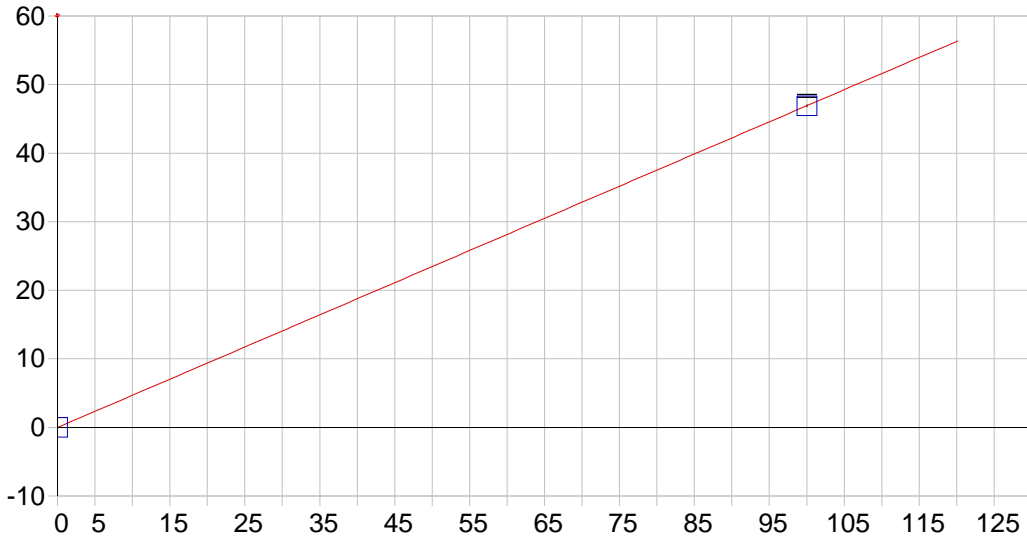


Mo 202.030 {467}

Date of Fit: 5/10/2016 11:22:58 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000377 Re-Slope: 1.000000
 A1 (Gain): 1.228500 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000570
 Predicted MQL: 0.001899

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00038	.000	1
S1	1.0000	1.0000	.000	.000	1.2281	.003	1

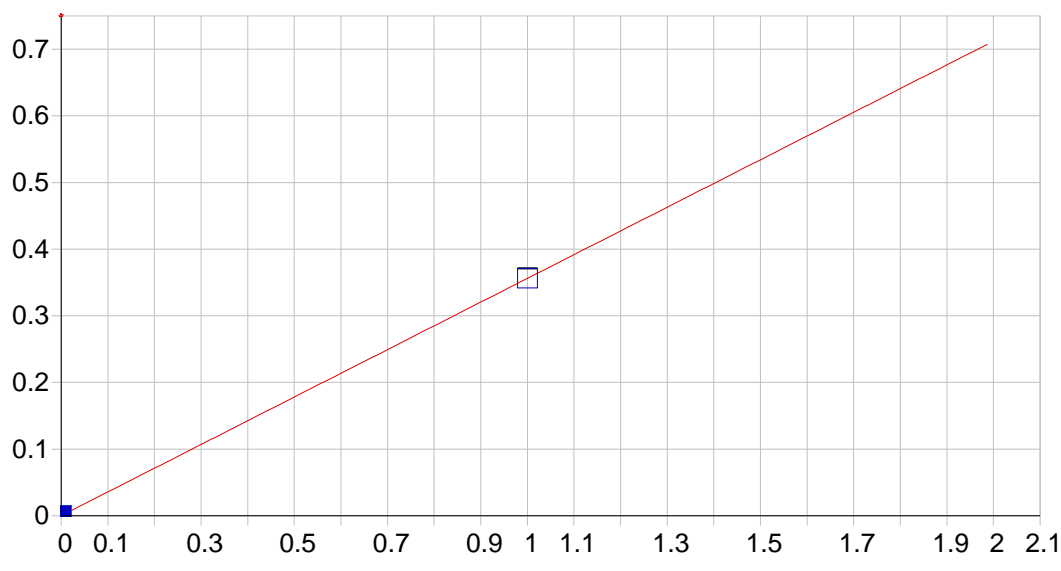


Na 589.592 { 57}

Date of Fit: 5/10/2016 11:27:10 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000084 Re-Slope: 1.000000
 A1 (Gain): 0.469087 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.006090
 Predicted MQL: 0.020300

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00008	.002	1
S2	100.00	100.00	.000	.000	46.909	.188	1

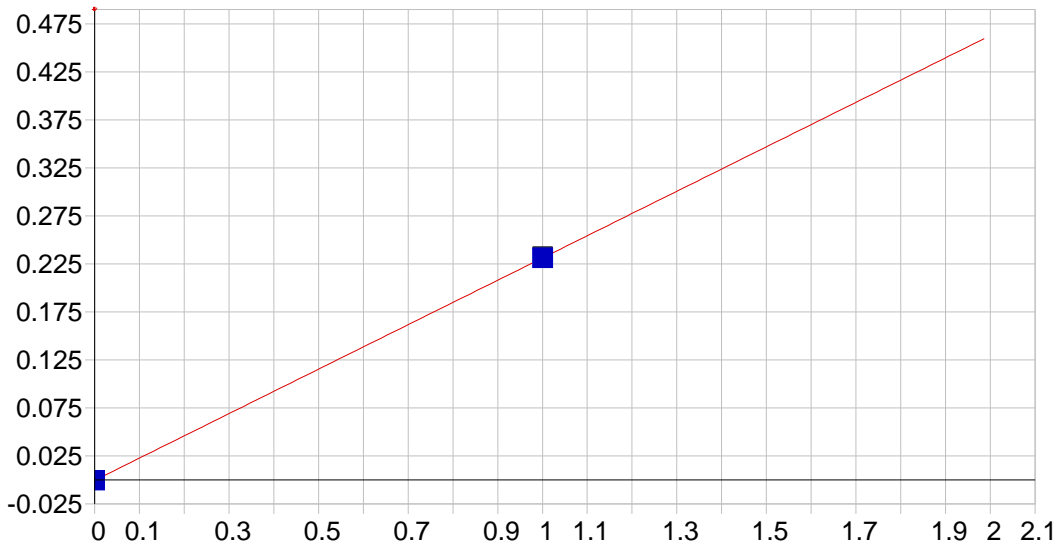


Ni 231.604 {446}

Date of Fit: 5/10/2016 11:22:58 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000155 Re-Slope: 1.000000
 A1 (Gain): 0.355991 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.001251
 Predicted MQL: 0.004171

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00015	.000	1
S1	1.0000	1.0000	.000	.000	.35615	.001	1

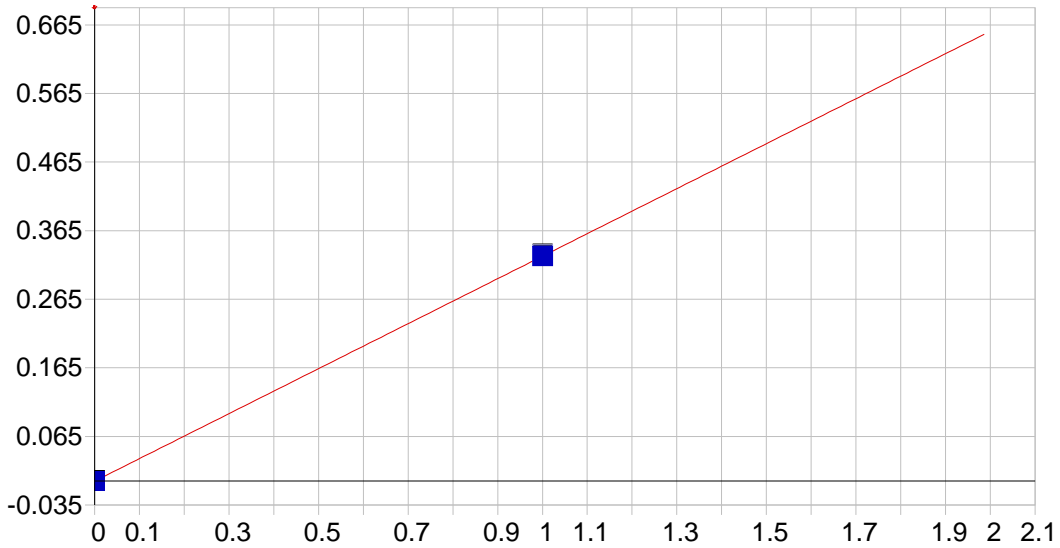


Pb 220.353 {453}

Date of Fit: 5/10/2016 11:22:58 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000440 Re-Slope: 1.000000
 A1 (Gain): 0.231620 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.002470
 Predicted MQL: 0.008232

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00044	.000	1
S1	1.0000	1.0000	.000	.000	.23109	.001	1

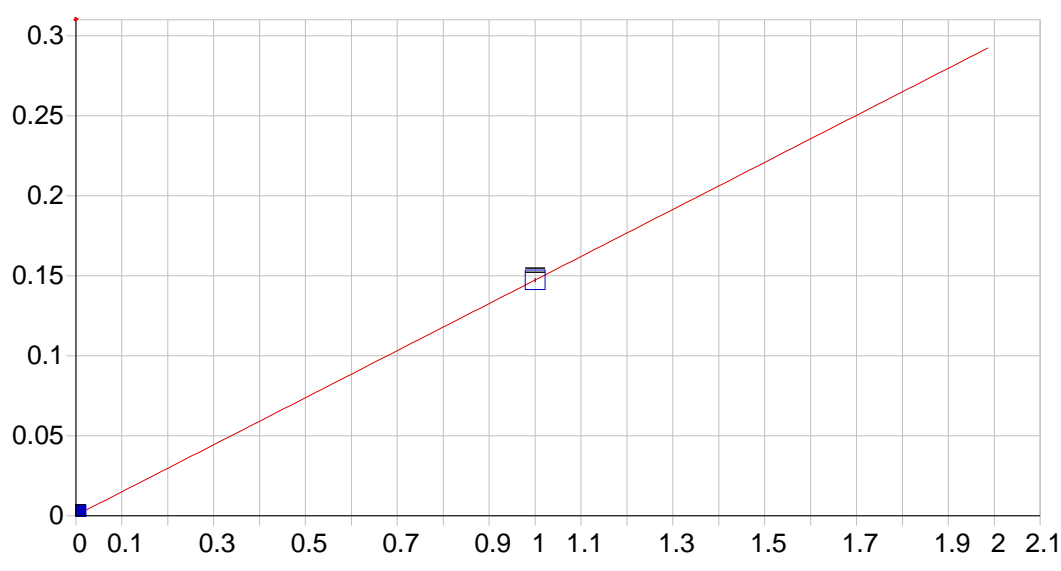


Sb 206.833 {463}

Date of Fit: 5/10/2016 11:22:58 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000228 Re-Slope: 1.000000
 A1 (Gain): 0.327996 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.002220
 Predicted MQL: 0.007401

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00023	.001	1
S1	1.0000	1.00000	.000	.000	.32998	.001	1

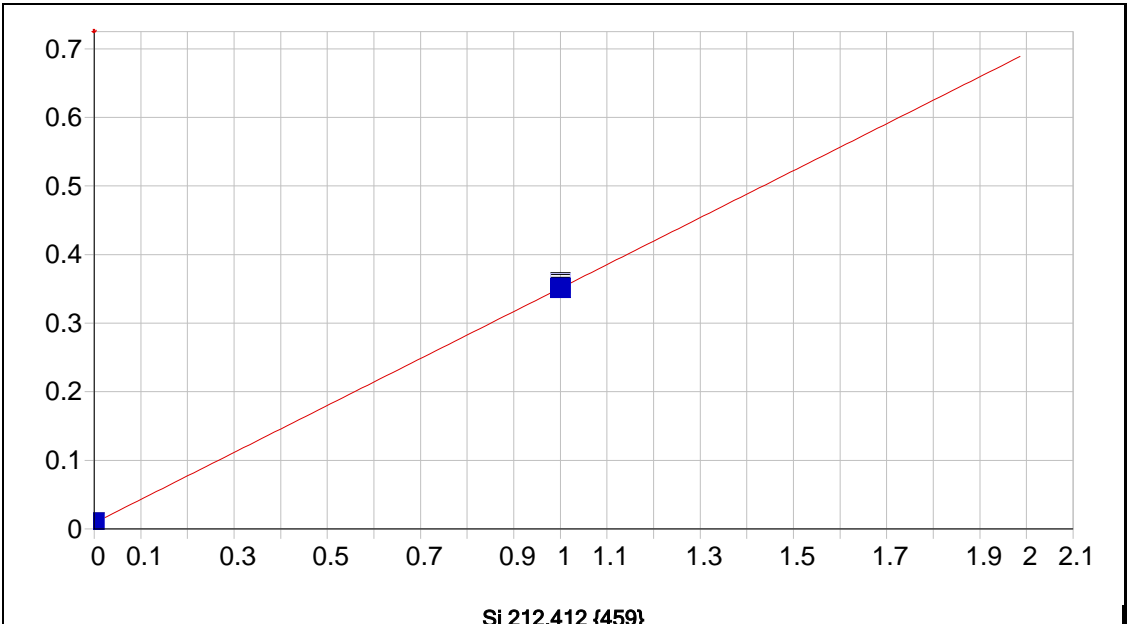


Se 196.090 {472}

Date of Fit: 5/10/2016 11:22:58 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000273 Re-Slope: 1.000000
 A1 (Gain): 0.147045 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.004519
 Predicted MQL: 0.015064

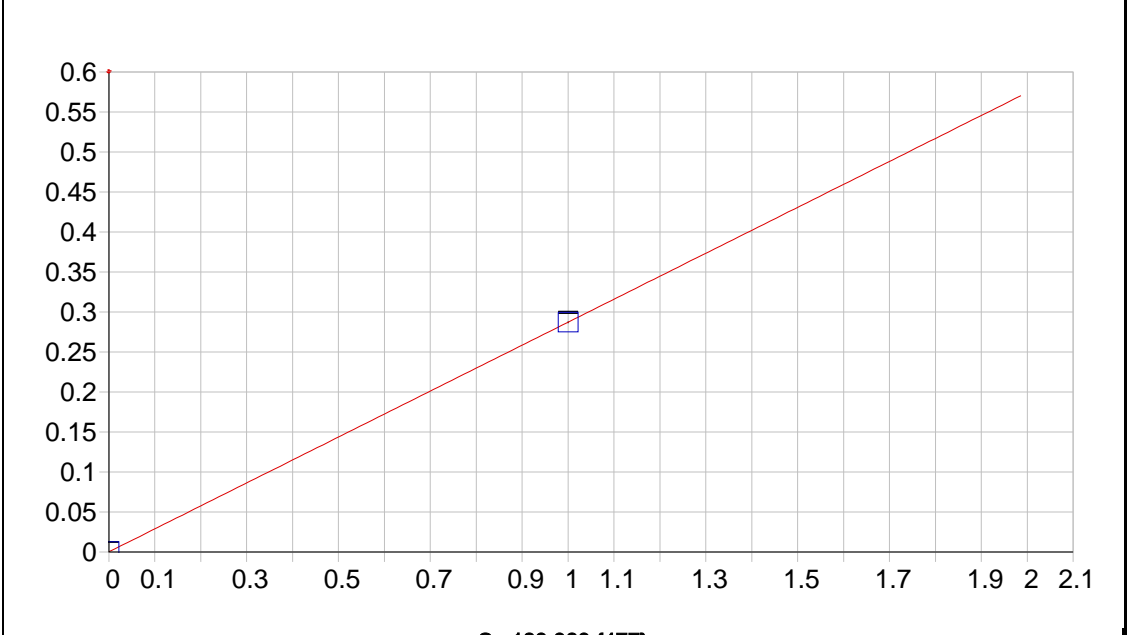
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00027	.000	1
S1	1.0000	1.0000	.000	.000	.14732	.001	1



Date of Fit: 5/10/2016 11:22:58 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.008776 Re-Slope: 1.000000
 A1 (Gain): 0.342328 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.001640
 Predicted MQL: 0.005467

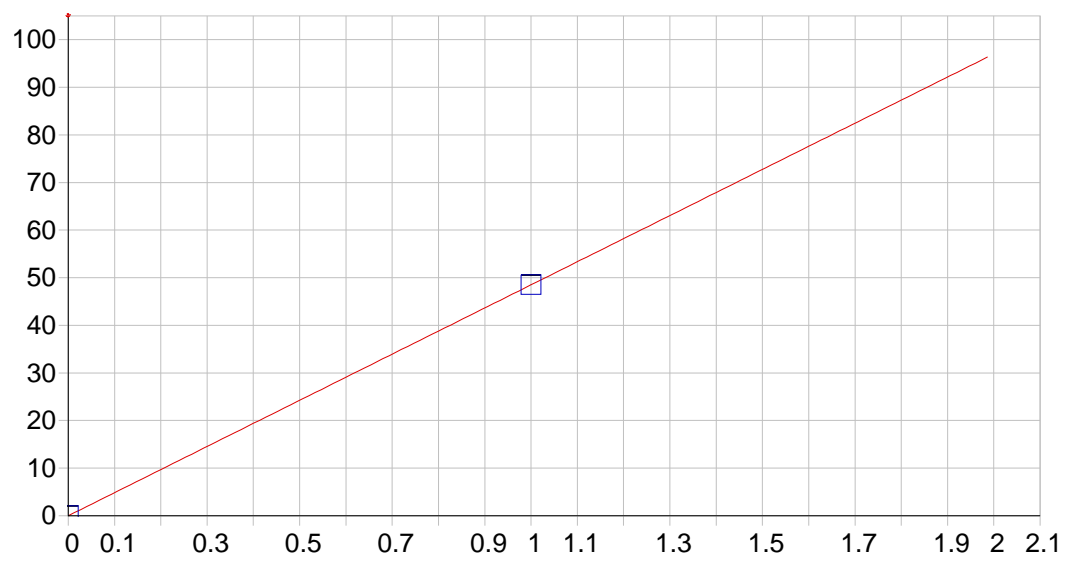
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00878	.000	1
S1	1.0000	1.00000	.000	.000	.35777	.001	1



Date of Fit: 5/10/2016 11:22:58 Type of Fit: Linear Weighting: 1/Conc

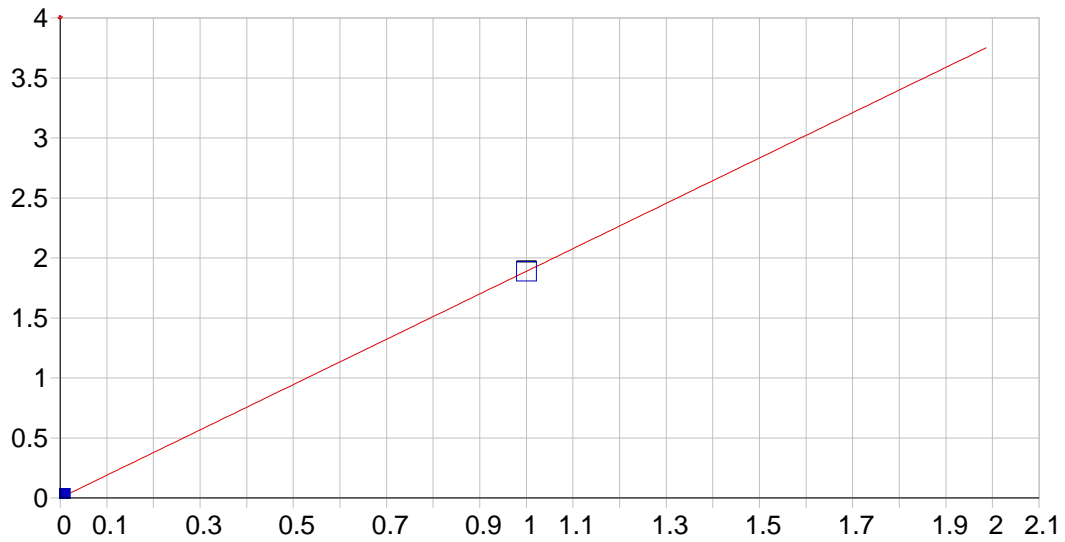
A0 (Offset): 0.000234 Re-Slope: 1.000000
 A1 (Gain): 0.287032 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.001659
 Predicted MQL: 0.005529

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00023	.000	1
S1	1.0000	1.0000	.000	.000	.28727	.001	1



Date of Fit: 5/10/2016 11:22:58 Type of Fit: Linear Weighting: 1/Conc
 A0 (Offset): 0.000655 Re-Slope: 1.000000
 A1 (Gain): 48.504249 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000016
 Predicted MQL: 0.000054

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00065	.000	1
S1	1.0000	1.0000	.000	.000	48.505	.029	1

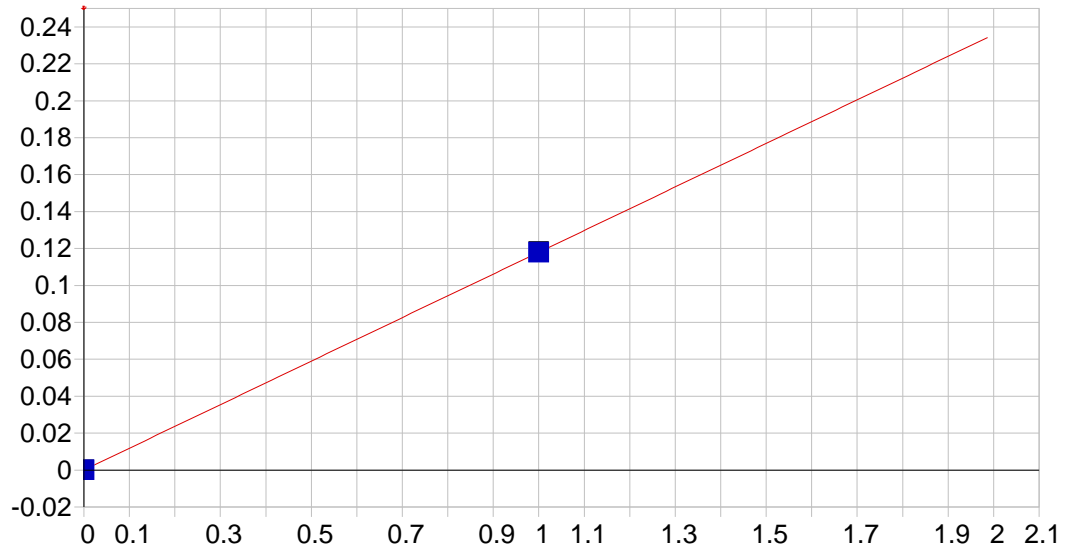


Ti 334.941 {101}

Date of Fit: 5/10/2016 11:22:58 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000302 Re-Slope: 1.000000
 A1 (Gain): 1.888166 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000212
 Predicted MQL: 0.000707

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00030	.000	1
S1	1.0000	1.0000	.000	.000	1.8885	.002	1

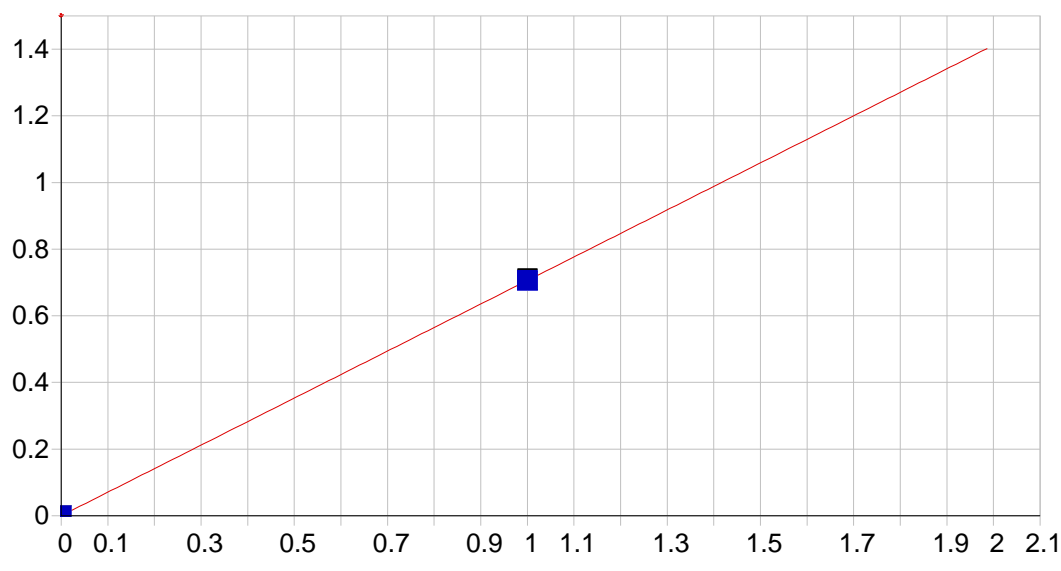


Ti 190.856 {477}

Date of Fit: 5/10/2016 11:22:58 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000052 Re-Slope: 1.000000
 A1 (Gain): 0.117891 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.002323
 Predicted MQL: 0.007743

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00005	.000	1
S1	1.0000	1.0000	.000	.000	.11797	.000	1

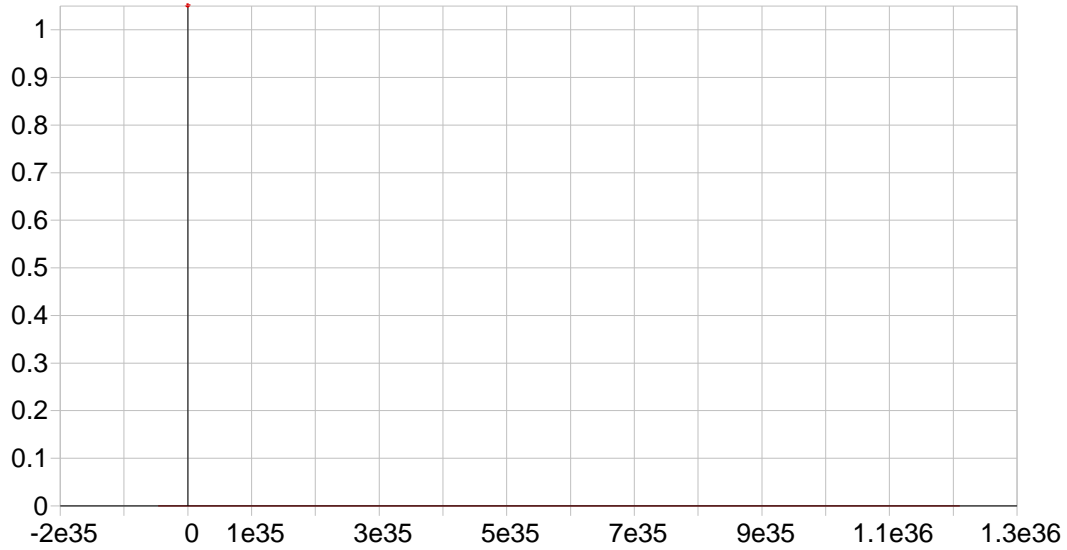


V 292.402 {115}

Date of Fit: 5/10/2016 11:22:58 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000238 Re-Slope: 1.000000
 A1 (Gain): 0.705774 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000702
 Predicted MQL: 0.002340

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00024	.000	1
S1	1.0000	1.00000	.000	.000	.70512	.005	1

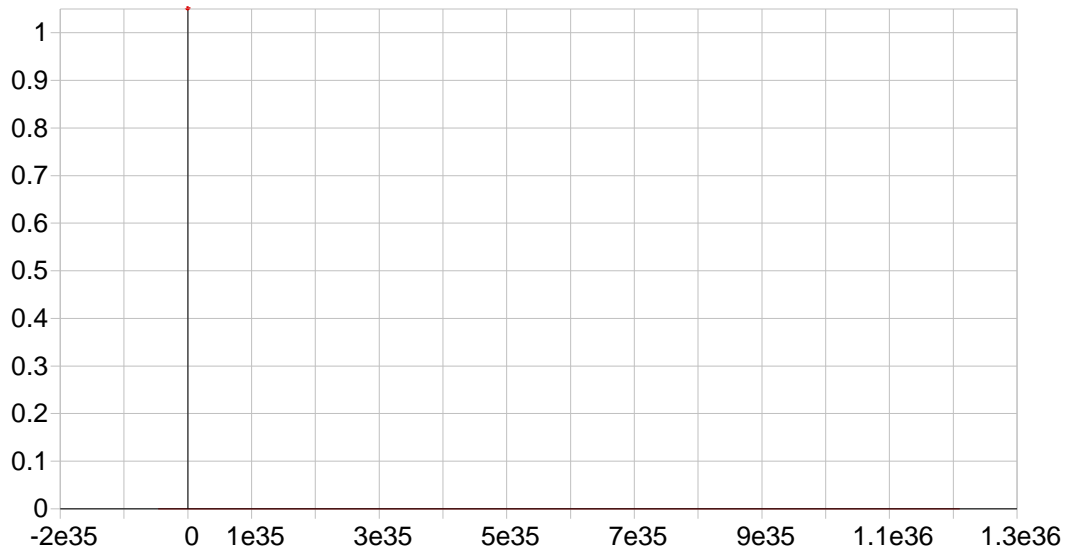


Y 224.306 {450}*

Date of Fit: 8/10/2015 14:14:31 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000000 Re-Slope: 1.000000
 A1 (Gain): 0.000000 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.000000 Status: Warning Zero Gain
 Std Error of Est: 0.000000
 Predicted MDL: n/a
 Predicted MQL: n/a

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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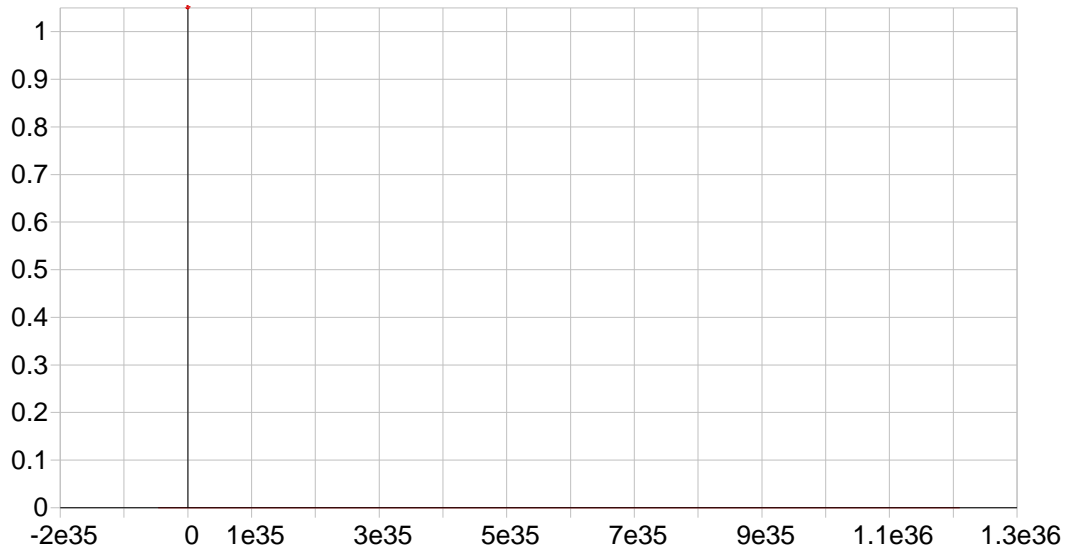
Y 360.073 {94}*

Date of Fit: 8/10/2015 14:14:31 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000000 Re-Slope: 1.000000
 A1 (Gain): 0.000000 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.000000 Status: Warning Zero Gain
 Std Error of Est: 0.000000
 Predicted MDL: n/a
 Predicted MQL: n/a

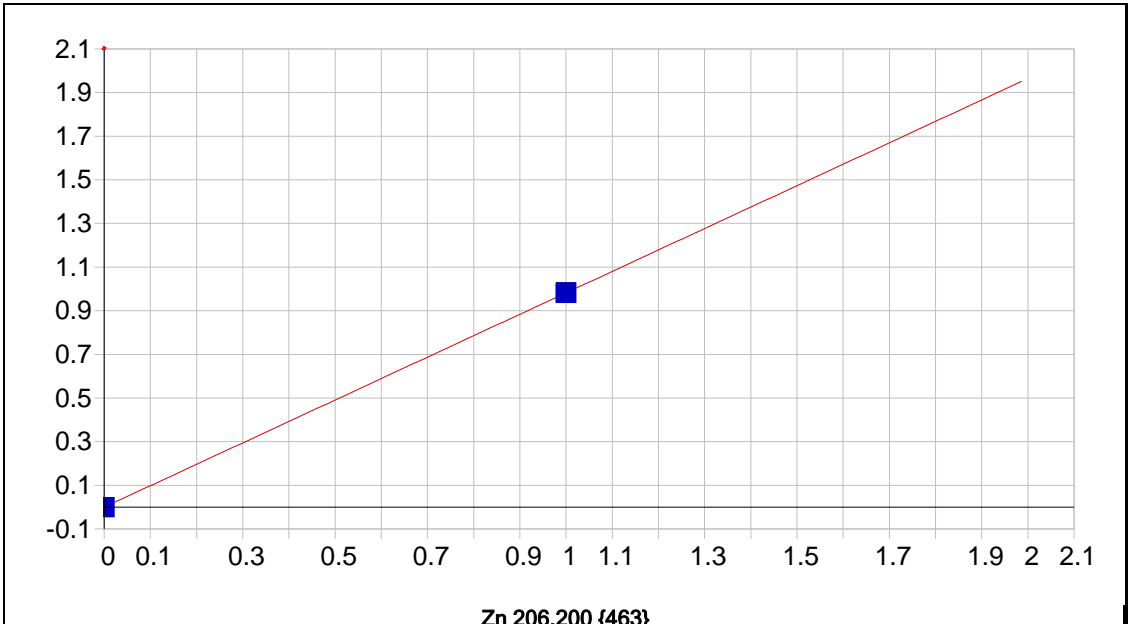
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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Date of Fit: 8/24/2015 12:15:23 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000000 Re-Slope: 1.000000
 A1 (Gain): 0.000000 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.000000 Status: Warning Zero Gain
 Std Error of Est: 0.000000
 Predicted MDL: n/a
 Predicted MQL: n/a

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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Zn 206.200 {463}

Date of Fit: 5/10/2016 11:22:58 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000263 Re-Slope: 1.000000
A1 (Gain): 0.982336 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 1.000000 Status: OK.
Std Error of Est: 0.000000
Predicted MDL: 0.000448
Predicted MQL: 0.001492

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00026	.000	1
S1	1.0000	1.0000	.000	.000	.98155	.001	1

Sample Name: Blank Acquired: 5/10/2016 11:14:38 Type: Cal
 Method: P8051016A Mode: IR Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.0020	.00109	-0.00093	.00922	.00641	-0.00023	.00001	.00460
Stddev	.00008	.00022	.00061	.00007	.00040	.00002	.00018	.00013
%RSD	41.966	20.603	65.597	.79284	6.2264	6.8759	2963.0	2.9138

#1	-0.0014	.00093	-0.00137	.00917	.00669	-0.00024	.00014	.00469
#2	-0.0025	.00124	-0.00050	.00927	.00612	-0.00022	-0.00012	.00450

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Li6707	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0017	.00012	.00031	.01553	.00000	-0.00401	-0.0029	-0.00019
Stddev	.0008	.00002	.00011	.00006	.00029	.00160	.0055	.00017
%RSD	45.90	15.554	34.990	.35464	6277.9	39.856	188.8	87.280

#1	.0011	.00013	.00023	.01556	-0.00020	-0.00514	.0010	-0.00031
#2	.0022	.00010	.00039	.01549	.00021	-0.00288	-0.0068	-0.00007

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.00001	-0.00038	.00008	.00015	-0.00044	-0.00023	.00027	.00878
Stddev	.00003	.00018	.00200	.00001	.00032	.00053	.00024	.00000
%RSD	235.45	46.518	2388.1	9.0114	73.358	232.62	88.201	.03079

#1	-0.00004	-0.00050	.00150	.00015	-0.00067	.00015	.00010	.00877
#2	.00001	-0.00025	-0.00133	.00016	-0.00021	-0.00060	.00044	.00878

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00023	.00065	.00030	.00005	.00024	-0.00026
Stddev	.00021	.00028	.00008	.00011	.00003	.00010
%RSD	88.056	42.850	27.220	206.56	14.112	37.167

#1	.00038	.00046	.00024	-0.00002	.00026	-0.00019
#2	.00009	.00085	.00036	.00013	.00021	-0.00033

Sample Name: Blank Acquired: 5/10/2016 11:14:38 Type: Cal
Method: P8051016A Mode: IR Corr. Factor: 1.000000
User: JonesP Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1312.4	735.09	7393.1	2876.2
Stddev	35.3	24.27	170.5	4.1
%RSD	2.6868	3.3019	2.3060	.14186
#1	1337.3	752.25	7513.7	2873.3
#2	1287.5	717.93	7272.6	2879.1

Sample Name: S1 Acquired: 5/10/2016 11:18:51 Type: Cal
Method: P8051016A Mode: IR Corr. Factor: 1.000000
User: JonesP Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	As1890	B_2089	Ba4554	Be2348	Bi2230	Cd2288	Co2286
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.77095	.18010	1.3266	8.9930	1.0712	.25188	3.371	1.1137
Stddev	.00389	.00138	.0038	.0237	.0003	.00055	.010	.0018
%RSD	.50428	.76558	.28413	.26300	.02512	.21722	.2938	.15909

#1	.77370	.18107	1.3293	9.0097	1.0710	.25149	3.378	1.1125
#2	.76820	.17912	1.3240	8.9762	1.0714	.25226	3.364	1.1150

Elem	Cr2677	Cu3247	Li6707	Mn2576	Mo2020	Ni2316	Pb2203	Sb2068
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.43829	1.3020	4.638	.53996	1.2281	.35615	.23109	.32998
Stddev	.00174	.0010	.003	.00072	.0026	.00052	.00093	.00056
%RSD	.39587	.07865	.0611	.13361	.21065	.14541	.40279	.17049

#1	.43951	1.3028	4.640	.54047	1.2300	.35578	.23044	.33038
#2	.43706	1.3013	4.636	.53945	1.2263	.35651	.23175	.32958

Elem	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.14732	.35777	.28727	48.505	1.8885	.11797	.70512	.98155
Stddev	.00130	.00112	.00131	.029	.0024	.00019	.00473	.00096
%RSD	.88569	.31436	.45735	.05878	.12619	.16174	.67040	.09752

#1	.14824	.35856	.28634	48.485	1.8902	.11784	.70846	.98087
#2	.14640	.35697	.28820	48.525	1.8868	.11811	.70178	.98223

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1238.7	680.68	6736.4	2859.8
Stddev	.0	2.47	14.9	1.0
%RSD	.00326	.36336	.22115	.03381

#1	1238.8	678.93	6725.9	2860.5
#2	1238.7	682.43	6746.9	2859.1

Sample Name: S2 Acquired: 5/10/2016 11:23:01 Type: Cal
 Method: P8051016A Mode: IR Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Al3082	Ca3179	Fe2714	K_7664	Mg2790	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.4450	9.9363	.48553	14.237	1.2151	46.909
Stddev	.0109	.0351	.00208	.047	.0028	.188
%RSD	.44424	.35349	.42743	.33315	.23299	.40132

#1	2.4527	9.9611	.48700	14.271	1.2171	47.042
#2	2.4374	9.9114	.48406	14.204	1.2131	46.776

Int. Std.	Y_3710
Units	Cts/S
Avg	2739.5
Stddev	8.5
%RSD	.31164

#1	2733.5
#2	2745.5

Sample Name: S1 Acquired: 5/10/2016 11:27:13 Type: QC
Method: P8051016A Mode: CONC Corr. Factor: 1.000000
User: JonesP Custom ID1: Custom ID2: Custom ID3:
Comment: P8051016A

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.007515	.0170572	.9944864	.9973779	1.004339	1.004962	.9984642
Stddev	.000612	.0054587	.0015408	.0002214	.006717	.010673	.0052718
%RSD	.0607479	32.00256	.1549294	.0221992	.6688035	1.062023	.5279913

#1	1.007082	.0131973	.9933969	.9975344	1.009089	1.012509	1.002192
#2	1.007947	.0209171	.9955759	.9972213	.999589	.997415	.994737

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0247851	1.003493	1.000370	1.002757	1.000561	.0211825	.0155713
Stddev	.0012007	.001447	.000006	.002901	.000041	.0555364	.0145180
%RSD	4.844299	.1441493	.0005698	.2892561	.0040845	262.1811	93.23609

#1	.0239361	1.004516	1.000366	1.004808	1.000590	-.018088	.0258371
#2	.0256341	1.002470	1.000374	1.000706	1.000532	.060453	.0053055

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.004443	.0247540	1.003651	.9980517	.0026293	1.003597	1.005037
Stddev	.007742	.0075457	.013265	.0034216	.0002653	.001254	.002322
%RSD	.7707360	30.48273	1.321709	.3428242	10.09069	.1249065	.2310524

#1	1.009918	.0300896	1.013031	1.000471	.0024417	1.002710	1.003395
#2	.998969	.0194184	.994271	.995632	.0028169	1.004483	1.006679

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

Sample Name: S1 Acquired: 5/10/2016 11:27:13 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment: P8051016A

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9962718	.9959957	.9916647	.9946106	1.001587	1.001313	1.002617
Stddev	.0022005	.0030505	.0001003	.0045254	.002473	.000046	.003257
%RSD	.2208706	.3062795	.0101112	.4549950	.2469552	.0045593	.3248538

#1	.9978278	.9981527	.9917356	.9914106	.999838	1.001345	1.000314
#2	.9947158	.9938386	.9915938	.9978105	1.003336	1.001280	1.004920

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.9998987	1.000770
Stddev	.0042203	.001877
%RSD	.4220683	.1875085

#1	1.002883	.999443
#2	.996915	1.002097

Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1238.941	682.9373	6754.284	2858.461
Stddev	.263	.0066	3.000	25.456
%RSD	.0212638	.0009631	.0444215	.8905613

#1	1239.128	682.9327	6752.162	2840.461
#2	1238.755	682.9420	6756.405	2876.461

Sample Name: S2 Acquired: 5/10/2016 11:31:23 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000722	99.79840	-.004614	.0004577	-.000074	.0005011	-.001962
Stddev	.0001688	.02344	.002012	.0000548	.000028	.0001089	.001618
%RSD	233.8322	.0234824	43.61794	11.97663	38.32195	21.73801	82.47667

#1	-.000047	99.78183	-.006037	.0004189	-.000054	.0004241	-.003106
#2	.000192	99.81497	-.003191	.0004964	-.000094	.0005782	-.000818

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	99.76090	-.000282	-.000467	.0012580	.0035389	99.89404	100.0767
Stddev	.20880	.000062	.000133	.0005021	.0001890	.51266	.0109
%RSD	.2093002	21.91947	28.38589	39.91297	5.340038	.5132052	.0108880

#1	99.90855	-.000326	-.000373	.0016131	.0036725	100.2566	100.0690
#2	99.61326	-.000239	-.000561	.0009030	.0034052	99.5315	100.0844

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000293	100.0723	.0013209	.0010984	99.98268	.0030232	-.001710
Stddev	.000500	.3636	.0005089	.0001663	.12856	.0004970	.003447
%RSD	170.8227	.3633340	38.52468	15.14330	.1285855	16.43973	201.5979

#1	.000061	100.3294	.0009611	.0012160	100.0736	.0033747	-.004147
#2	-.000646	99.8152	.0016807	.0009807	99.8918	.0026718	.000727

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

Sample Name: S2 Acquired: 5/10/2016 11:31:23 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010213	-.003108	.0011489	.0045028	.0066961	.0037750	-.004685
Stddev	.0003686	.006566	.0001772	.0012062	.0000170	.0000641	.000270
%RSD	36.09023	211.2579	15.42250	26.78771	.2540450	1.697722	5.770675

#1	.0007607	.001535	.0010236	.0053557	.0066841	.0037297	-.004876
#2	.0012819	-.007751	.0012742	.0036499	.0067081	.0038203	-.004494

Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0009897	.0012992
Stddev	.0000671	.0002105
%RSD	6.777121	16.20003

#1	.0009423	.0011504
#2	.0010371	.0014480

Check ?	None	None
Value		
Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1022.358	641.3398	6276.693	2741.077
Stddev	.296	.2742	17.238	1.870
%RSD	.0289892	.0427596	.2746393	.0682293

#1	1022.149	641.1459	6264.504	2742.400
#2	1022.568	641.5337	6288.883	2739.755

Sample Name: ICV Acquired: 5/10/2016 11:35:33 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem Units	Ag3280 ppm	Al3082 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be2348 ppm	Bi2230 ppm
Avg	.3949280	39.87708	.4090075	.3966925	.3982258	.4066216	.3977948
Stddev	.0003077	.01067	.0029136	.0005124	.0009636	.0000465	.0021687
%RSD	.0779143	.0267530	.7123595	.1291753	.2419814	.0114415	.5451726

#1	.3951456	39.86953	.4069473	.3970548	.3989072	.4065887	.3993283
#2	.3947105	39.88462	.4110677	.3963301	.3975444	.4066545	.3962614

Check ? Value Range	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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Elem Units	Ca3179 ppm	Cd2288 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2714 ppm	K_7664 ppm
Avg	20.46564	.3951501	.4111352	.3939050	.4017795	20.19769	39.73967
Stddev	.00405	.0013419	.0028153	.0006135	.0010277	.06751	.16985
%RSD	.0197811	.3395812	.6847619	.1557574	.2557963	.3342549	.4274084

#1	20.46278	.3960989	.4131259	.3943388	.4010528	20.24543	39.85977
#2	20.46851	.3942013	.4091444	.3934712	.4025063	20.14995	39.61957

Check ? Value Range	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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Elem Units	Li6707 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	3.154376	20.23904	3.956938	.3957219	20.03043	.4108505	.4085805
Stddev	.000482	.02101	.000905	.0022981	.06010	.0001542	.0011648
%RSD	.0152774	.1038213	.0228807	.5807344	.3000557	.0375283	.2850801

#1	3.154717	20.25389	3.957578	.3973469	20.07293	.4109595	.4077569
#2	3.154036	20.22418	3.956297	.3940969	19.98793	.4107415	.4094042

Check ? Value Range	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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Sample Name: ICV Acquired: 5/10/2016 11:35:33 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3999758	.3953971	.3687253	.4172569	.4051713	.4089074	.4017324
Stddev	.0010412	.0003783	.0001574	.0004007	.0000906	.0000853	.0023626
%RSD	.2603057	.0956837	.0426968	.0960233	.0223721	.0208525	.5881087

#1	.4007120	.3951296	.3688367	.4175402	.4051072	.4088471	.4000618
#2	.3992396	.3956646	.3686140	.4169736	.4052354	.4089677	.4034031

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	4.010759	.4199794
Stddev	.011026	.0004581
%RSD	.2749053	.1090826

#1	4.018556	.4196555
#2	4.002963	.4203034

Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1128.950	671.1645	6548.846	2801.703
Stddev	2.867	1.0691	10.506	3.548
%RSD	.2539812	.1592881	.1604253	.1266294

#1	1126.922	670.4086	6556.275	2804.212
#2	1130.977	671.9205	6541.417	2799.195

Sample Name: ICB Acquired: 5/10/2016 11:39:38 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000362	-.005887	.0013907	.0001818	-.000065	-.000054	-.000254
Stddev	.000659	.000202	.0011643	.0003061	.000033	.000000	.001475
%RSD	181.7104	3.434655	83.71717	168.3930	50.09349	.6133650	581.6468

#1	.000103	-.006030	.0022140	.0003983	-.000088	-.000054	.000789
#2	-.000828	-.005744	.0005675	-.000035	-.000042	-.000054	-.001297

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003079	-.000349	.0001464	-.000538	.0003914	-.007529	.0164151
Stddev	.000221	.000195	.0001252	.000030	.0000854	.068379	.0037284
%RSD	7.182383	55.88760	85.51431	5.577269	21.81582	908.2110	22.71352

#1	-.002923	-.000487	.0002349	-.000516	.0003310	-.055880	.0137786
#2	-.003235	-.000211	.0000579	-.000559	.0004518	.040822	.0190515

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001187	.0193608	.0005204	-.000140	-.003168	-.000537	-.000248
Stddev	.0000729	.0049510	.0002616	.000261	.004091	.000404	.000781
%RSD	61.39820	25.57206	50.26435	186.7139	129.1388	75.13504	314.3784

#1	.0001702	.0158600	.0003354	.000045	-.006061	-.000252	-.000800
#2	.0000671	.0228617	.0007054	-.000324	-.000275	-.000823	.000304

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

Sample Name: ICB Acquired: 5/10/2016 11:39:38 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016130	-.001729	-.001120	.0002080	.0000013	.0002275	-.001188
Stddev	.0002584	.003093	.000239	.0016838	.0000091	.0000005	.001583
%RSD	16.01833	178.9534	21.32513	809.4076	722.7613	.2179351	133.2498
#1	.0017957	.000459	-.001289	-.000983	.0000077	.0002278	-.002307
#2	.0014303	-.003916	-.000951	.001399	-.000005	.0002271	-.000069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0003256	.0003036
Stddev	.0003584	.0002710
%RSD	110.0486	89.25395
#1	.0005790	.0004952
#2	.0000722	.0001120
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1255.049	692.5919	6767.821	2840.004
Stddev	4.496	2.9030	12.256	1.569
%RSD	.3582002	.4191541	.1810976	.0552357
#1	1258.227	694.6447	6759.155	2838.895
#2	1251.870	690.5392	6776.488	2841.114

Sample Name: ICVL Acquired: 5/10/2016 11:43:02 Type: QC
Method: P8051016A Mode: CONC Corr. Factor: 1.000000
User: JonesP Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046006	.2125612	.0082874	.0499558	.0101454	.0042841
Stddev	.0006081	.0304029	.0007688	.0010202	.0001078	.0000178
%RSD	13.21838	14.30312	9.277185	2.042272	1.062012	.4148955

#1	.0050306	.2340593	.0077438	.0506772	.0100692	.0042715
#2	.0041706	.1910631	.0088311	.0492343	.0102216	.0042966

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0497774	.2019372	.0018861	.0052777	.0095339	.0104376
Stddev	.0012817	.0009253	.0000774	.0000267	.0005446	.0005207
%RSD	2.574890	.4582143	4.105184	.5064141	5.711823	4.988806

#1	.0506837	.2025915	.0018313	.0052965	.0099190	.0100694
#2	.0488711	.2012829	.0019408	.0052588	.0091488	.0108058

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2733000	.5217263	.0105649	.1246340	.0107321	.0097076
Stddev	.0459801	.0049459	.0000814	.0021415	.0003177	.0000832
%RSD	16.82406	.9479841	.7702654	1.718251	2.960224	.8565229

#1	.3058129	.5182291	.0106225	.1261483	.0109567	.0097663
#2	.2407871	.5252236	.0105074	.1231198	.0105074	.0096488

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

Sample Name: ICVL Acquired: 5/10/2016 11:43:02 Type: QC
Method: P8051016A Mode: CONC Corr. Factor: 1.000000
User: JonesP Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.009213	.0100076	F .0031270	.0186254	.0084906	.1741719
Stddev	.001922	.0000185	.0001071	.0013814	.0026258	.0012040
%RSD	.1904493	.1852944	3.425430	7.416848	30.92633	.6912508

#1	1.010573	.0100207	.0032028	.0196022	.0066339	.1750232
#2	1.007854	.0099945	.0030513	.0176486	.0103474	.1733206

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value			.0050000			
Range			-30.0000%			

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0402441	.0051770	.0052550	.0092043	.0050739	.0204459
Stddev	.0013575	.0000123	.0001074	.0019869	.0003431	.0002880
%RSD	3.373036	.2368140	2.044307	21.58643	6.762398	1.408702

#1	.0412039	.0051684	.0053310	.0106093	.0053165	.0206496
#2	.0392842	.0051857	.0051791	.0077994	.0048313	.0202423

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1260.992	697.6897	6756.572	2844.947
Stddev	16.693	8.8526	11.705	1.311
%RSD	1.323823	1.268849	.1732411	.0460793

#1	1249.188	691.4300	6764.849	2844.020
#2	1272.796	703.9495	6748.296	2845.873

Sample Name: CRI Acquired: 5/10/2016 11:47:15 Type: QC
Method: P8051016A Mode: CONC Corr. Factor: 1.000000
User: JonesP Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0097845	.3900992	.0201206	.0980598	.0200799	.0080618	.0956082
Stddev	.0003461	.0112409	.0016745	.0006975	.0000457	.0000092	.0007729
%RSD	3.537254	2.881554	8.322168	.7112704	.2277715	.1139687	.8084294

#1	.0100292	.3821507	.0213047	.0985530	.0201122	.0080553	.0950616
#2	.0095397	.3980477	.0189366	.0975666	.0200475	.0080683	.0961547

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4054936	.0035710	.0100804	.0193791	.0205529	.3733590	1.005501
Stddev	.0008346	.0000814	.0000227	.0002138	.0004320	.0713472	.006337
%RSD	.2058165	2.278490	.2253871	1.103058	2.101846	19.10954	.6302142

#1	.4049035	.0036285	.0100644	.0192279	.0208584	.4238091	1.009982
#2	.4060838	.0035134	.0100965	.0195302	.0202474	.3229090	1.001021

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0201059	.2070660	.0203541	.0191067	2.007126	.0203092	.0089593
Stddev	.0008866	.0105643	.0005490	.0003929	.001729	.0011880	.0035188
%RSD	4.409721	5.101908	2.697040	2.056234	.0861600	5.849747	39.27525

#1	.0207328	.1995959	.0207422	.0188289	2.005903	.0211493	.0114475
#2	.0194790	.2145361	.0199659	.0193846	2.008349	.0194692	.0064711

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

Sample Name: CRI Acquired: 5/10/2016 11:47:15 Type: QC
Method: P8051016A Mode: CONC Corr. Factor: 1.000000
User: JonesP Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0392655	.0174460	.3445386	.0797724	.0102130	.0101623	.0202575
Stddev	.0002705	.0014474	.0028112	.0013501	.0000430	.0000024	.0010708
%RSD	.6888241	8.296472	.8159338	1.692487	.4206942	.0233340	5.285722
#1	.0394567	.0184695	.3465264	.0788177	.0102434	.0101640	.0210147
#2	.0390742	.0164225	.3425508	.0807271	.0101826	.0101606	.0195004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0100758	.0404267
Stddev	.0003160	.0001646
%RSD	3.135837	.4072453
#1	.0102992	.0405431
#2	.0098524	.0403103
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1263.007	699.7576	6783.740	2855.122
Stddev	4.774	2.7102	12.648	3.844
%RSD	.3779951	.3873065	.1864439	.1346497
#1	1259.631	697.8412	6774.796	2852.404
#2	1266.383	701.6740	6792.683	2857.841

Sample Name: ICSA Acquired: 5/10/2016 11:51:30 Type: QC
Method: P8051016A Mode: CONC Corr. Factor: 1.000000
User: JonesP Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.000306	503.8145	-0.002528	-0.000817	-0.000103	.0008995
Stddev	.000662	1.9188	.001996	.001459	.000042	.0000325
%RSD	215.8639	.3808517	78.95673	178.5424	40.86225	3.608893

#1	.000161	505.1713	-.003939	-.001849	-.000073	.0008765
#2	-.000774	502.4577	-.001116	.000214	-.000133	.0009224

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.005182	468.1422	-0.000002	-0.000701	.0036091	.0027701
Stddev	.001107	1.5653	.000462	.001601	.0000180	.0001182
%RSD	21.36175	.3343715	23650.66	228.2755	.4979723	4.266300

#1	-.004399	469.2491	-.000329	.000431	.0036218	.0026865
#2	-.005965	467.0354	.000325	-.001833	.0035964	.0028537

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	188.1199	-.008261	-0.000947	510.6030	-0.000358	.0044755
Stddev	.3412	.001868	.000367	1.7019	.000059	.0004524
%RSD	.1813763	22.61623	38.79517	.3333175	16.35621	10.10915

#1	188.3612	-.006940	-.001206	511.8065	-.000316	.0041556
#2	187.8786	-.009582	-.000687	509.3996	-.000399	.0047954

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

Sample Name: ICSA Acquired: 5/10/2016 11:51:30 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0066907	.0072286	.0003509	-.009238	F -.010911	.0006834
Stddev	.0029656	.0013464	.0021855	.001885	.003569	.0010562
%RSD	44.32507	18.62555	622.9017	20.40026	32.71281	154.5506

#1	.0045936	.0081806	.0018962	-.007905	-.008387	-.000063
#2	.0087877	.0062765	-.001195	-.010570	-.013435	.001430

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					.0100000	
Low Limit					-.010000	

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0070810	.0045986	.0006820	-.000205	.0018845	.0016248
Stddev	.0012803	.0000110	.0000444	.001825	.0007847	.0016442
%RSD	18.08017	.2391182	6.516489	891.0229	41.64176	101.1919

#1	.0079863	.0045908	.0007134	-.001495	.0024393	.0004622
#2	.0061757	.0046064	.0006506	.001085	.0013296	.0027874

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	926.1010	602.1558	5923.800	2663.971
Stddev	3.6350	2.1403	.231	3.695
%RSD	.3925094	.3554418	.0039033	.1387089

#1	923.5306	600.6423	5923.963	2661.358
#2	928.6713	603.6692	5923.636	2666.583

Sample Name: ICSAB Acquired: 5/10/2016 11:56:35 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2112879	509.8596	.0988925	-.002045	.5000695	.5216287	-.002532
Stddev	.0011308	1.9024	.0067801	.000237	.0010977	.0001025	.000720
%RSD	.5351991	.3731130	6.856028	11.60031	.2195069	.0196553	28.43513

#1	.2120875	511.2047	.1036867	-.002212	.5008457	.5217012	-.002023
#2	.2104883	508.5144	.0940982	-.001877	.4992934	.5215562	-.003041

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	474.5411	1.013733	.5138891	.4786692	.5506824	189.7142	-.017698
Stddev	3.1263	.003088	.0015330	.0013593	.0003108	1.0842	.000228
%RSD	.6587976	.3046011	.2983100	.2839740	.0564321	.5715037	1.287313

#1	476.7517	1.015917	.5149731	.4796304	.5504627	190.4809	-.017537
#2	472.3305	1.011550	.5128051	.4777080	.5509021	188.9475	-.017859

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000846	517.7802	.4765573	.0040836	.0141783	1.005699	.0521421
Stddev	.000023	2.7504	.0033291	.0025377	.0028696	.007953	.0024286
%RSD	2.680307	.5311843	.6985813	62.14491	20.23960	.7907903	4.657630

#1	-.000862	519.7250	.4789114	.0058780	.0121492	1.011323	.0504249
#2	-.000830	515.8354	.4742033	.0022891	.0162075	1.000075	.0538594

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

Sample Name: ICSAB Acquired: 5/10/2016 11:56:35 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5817612	.0435627	-.003670	.0096882	.0046566	.0012226	.0915814
Stddev	.0032202	.0135716	.000088	.0013650	.0000070	.0000772	.0019150
%RSD	.5535216	31.15417	2.404978	14.08937	.1495949	6.310920	2.091068

#1	.5794842	.0339661	-.003733	.0087230	.0046517	.0011681	.0929355
#2	.5840382	.0531593	-.003608	.0106534	.0046615	.0012772	.0902273

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.5025493	1.010284
Stddev	.0014465	.007582
%RSD	.2878253	.7505173

#1	.5015265	1.015646
#2	.5035721	1.004923

Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	930.0765	604.7683	5916.441	2627.760
Stddev	5.5582	1.8626	.307	11.890
%RSD	.5976112	.3079885	.0051914	.4524892

#1	926.1462	603.4512	5916.658	2619.353
#2	934.0068	606.0854	5916.224	2636.168

Sample Name: ICSA Acquired: 5/10/2016 12:01:33 Type: QC
Method: P8051016A Mode: CONC Corr. Factor: 1.000000
User: JonesP Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000850	506.5190	-.007590	-.001154	.0000625	.0007620	-.000473
Stddev	.000190	2.4067	.005558	.000768	.0001085	.0004381	.004627
%RSD	22.39114	.4751476	73.23161	66.51640	173.6434	57.49886	978.9545

#1	-.000716	504.8172	-.003660	-.001697	-.000014	.0004522	.002799
#2	-.000985	508.2208	-.011520	-.000611	.000139	.0010718	-.003745

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	472.6784	-.000113	-.001320	.0038286	.0028591	189.4489	-.027401
Stddev	1.5002	.000020	.000039	.0006990	.0002420	.4524	.025824
%RSD	.3173863	17.83755	2.976900	18.25759	8.463166	.2387994	94.24411

#1	471.6176	-.000127	-.001348	.0043229	.0026880	189.1291	-.009141
#2	473.7392	-.000099	-.001292	.0033344	.0030302	189.7688	-.045661

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000793	515.3787	-.000071	.0044791	.0088593	.0058928	.0016506
Stddev	.000253	2.6953	.000302	.0010094	.0012590	.0021927	.0024630
%RSD	31.84347	.5229809	426.9922	22.53564	14.21069	37.20979	149.2218

#1	-.000615	513.4728	.000143	.0037653	.0097495	.0074432	-.000091
#2	-.000972	517.2846	-.000284	.0051928	.0079690	.0043423	.003392

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

Sample Name: ICSA Acquired: 5/10/2016 12:01:33 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0034088	.0040181	.0006831	.0053127	.0045942	.0007371	.0009976
Stddev	.0036767	.0085869	.0022760	.0017075	.0000328	.0002937	.0029366
%RSD	107.8597	213.7055	333.1763	32.14107	.7140333	39.83945	294.3731
#1	.0060086	.0100899	-.000926	.0041052	.0046174	.0009448	-.001079
#2	.0008090	-.002054	.002293	.0065201	.0045710	.0005295	.003074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0024366	.0010265
Stddev	.0000005	.0001117
%RSD	.0199690	10.88300
#1	.0024363	.0009475
#2	.0024369	.0011055
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	945.9442	617.2037	5912.723	2624.295
Stddev	35.2041	25.0967	10.527	8.453
%RSD	3.721585	4.066198	.1780400	.3221088
#1	970.8373	634.9498	5905.280	2630.273
#2	921.0512	599.4576	5920.167	2618.318

Sample Name: CCV Acquired: 5/10/2016 12:06:38 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4869382	49.02911	.5126805	.4900418	.4954664	.5087947
Stddev	.0020225	.13047	.0008715	.0020194	.0001803	.0010455
%RSD	.4153508	.2661154	.1699839	.4120939	.0363830	.2054750

#1	.4883683	48.93685	.5120643	.4914697	.4953389	.5095339
#2	.4855080	49.12137	.5132967	.4886138	.4955938	.5080554

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4964133	24.64300	.4934182	.5163710	.4940410	.4974693
Stddev	.0027956	.03811	.0010070	.0006379	.0009911	.0010306
%RSD	.5631544	.1546498	.2040937	.1235272	.2006071	.2071656

#1	.4983900	24.61606	.4941303	.5159199	.4947418	.4981981
#2	.4944365	24.66995	.4927061	.5168220	.4933402	.4967406

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.17210	54.44655	3.891583	24.74398	4.902383	.4923305
Stddev	.01755	.08735	.014056	.02481	.003989	.0000814
%RSD	.0697320	.1604265	.3611962	.1002682	.0813610	.0165385

#1	25.18451	54.38479	3.881644	24.72644	4.899563	.4922729
#2	25.15969	54.50831	3.901522	24.76153	4.905203	.4923881

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

Sample Name: CCV Acquired: 5/10/2016 12:06:38 Type: QC
Method: P8051016A Mode: CONC Corr. Factor: 1.000000
User: JonesP Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.54013	.5151873	.5140415	.4948853	.4858489	F .4370816
Stddev	.01057	.0002818	.0030001	.0000054	.0042115	.0026636
%RSD	.0430574	.0547064	.5836304	.0010995	.8668384	.6094142

#1	24.54760	.5149880	.5161629	.4948891	.4888269	.4389651
#2	24.53265	.5153866	.5119201	.4948814	.4828709	.4351982

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						.5000000
Range						-10.0000%

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5203435	.5033962	.5007356	.5058287	5.041132	.5237890
Stddev	.0035573	.0006803	.0017008	.0005570	.005140	.0005786
%RSD	.6836493	.1351394	.3396647	.1101150	.1019669	.1104578

#1	.5178281	.5038772	.5019383	.5062226	5.037497	.5233799
#2	.5228589	.5029151	.4995330	.5054349	5.044767	.5241981

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1121.721	673.1552	6577.518	2792.205
Stddev	3.121	4.1585	5.458	1.371
%RSD	.2782193	.6177634	.0829745	.0490927

#1	1119.514	670.2147	6573.659	2793.174
#2	1123.928	676.0957	6581.378	2791.235

Sample Name: CCB Acquired: 5/10/2016 12:10:45 Type: QC

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000402	.0040393	-.000909	-.000150	-.000115	.0003678	.0005173
Stddev	.000224	.0086984	.000751	.000169	.000035	.0001706	.0004702
%RSD	55.82271	215.3409	82.61790	112.6097	30.44390	46.37693	90.89481

#1	-.000561	.0101900	-.000378	-.000269	-.000139	.0004885	.0008497
#2	-.000243	-.002111	-.001440	-.000030	-.000090	.0002472	.0001848

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001245	-.000146	.0002006	-.000176	.0007113	.0069082	.0273443
Stddev	.0005476	.000067	.0001538	.000148	.0000957	.0340475	.0046827
%RSD	439.7909	45.69312	76.67561	83.88300	13.46243	492.8592	17.12484

#1	.0005117	-.000099	.0000919	-.000281	.0007790	-.017167	.0306555
#2	-.000263	-.000193	.0003094	-.000072	.0006436	.030983	.0240332

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000394	-.004597	-.000091	-.000307	-.009004	-.000334	-.001668
Stddev	.0002240	.019481	.000618	.000218	.002010	.000529	.001784
%RSD	568.4574	423.7997	677.1808	71.22626	22.32133	158.2882	106.9439

#1	.0001978	.009179	-.000529	-.000461	-.010425	.000040	-.002929
#2	-.000119	-.018372	.000346	-.000152	-.007583	-.000709	-.000407

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

Sample Name: CCB Acquired: 5/10/2016 12:10:45 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0029877	.0018187	-.001365	-.001561	.0000013	.0000440	-.000166
Stddev	.0016201	.0022141	.001124	.001143	.0000115	.0002042	.000044
%RSD	54.22597	121.7404	82.32675	73.23212	901.5405	464.2743	26.45252
#1	.0041333	.0002531	-.002160	-.002370	.0000094	.0001884	-.000135
#2	.0018421	.0033843	-.000571	-.000753	-.000007	-.000100	-.000197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0000875	.0002361
Stddev	.0000187	.0003620
%RSD	21.39682	153.3024
#1	.0000742	-.000020
#2	.0001007	.000492
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1274.993	705.6220	6852.216	2821.199
Stddev	3.035	2.9095	12.762	3.638
%RSD	.2380520	.4123249	.1862443	.1289593
#1	1272.847	703.5647	6861.240	2823.772
#2	1277.139	707.6793	6843.192	2818.627

Sample Name: MRL Acquired: 5/10/2016 12:14:09 Type: QC
Method: P8051016A Mode: CONC Corr. Factor: 1.000000
User: JonesP Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem Units	Ag3280 ppm	Al3082 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be2348 ppm	Bi2230 ppm
Avg	.0047444	.1965095	.0099518	.0493345	.0099428	.0041765	.0488439
Stddev	.0000761	.0305281	.0022657	.0003191	.0000156	.0000943	.0014966
%RSD	1.603478	15.53517	22.76681	.6467699	.1568525	2.257064	3.064042

#1	.0046906	.2180961	.0083497	.0495601	.0099318	.0041099	.0499022
#2	.0047982	.1749228	.0115539	.0491089	.0099538	.0042432	.0477857

Check ? Value Range	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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Elem Units	Ca3179 ppm	Cd2288 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2714 ppm	K_7664 ppm
Avg	.2040746	.0018434	.0050455	.0090243	.0101110	.1436737	.5388458
Stddev	.0022128	.0003704	.0005907	.0005261	.0013936	.0560033	.0181533
%RSD	1.084305	20.09578	11.70813	5.829757	13.78281	38.97949	3.368927

#1	.2056393	.0021053	.0046278	.0086523	.0091256	.1040734	.5516822
#2	.2025099	.0015814	.0054632	.0093963	.0110964	.1832739	.5260095

Check ? Value Range	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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Elem Units	Li6707 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	.0100569	.1157414	.0104525	.0095883	.9864591	.0096689	.0045266
Stddev	.0005200	.0070653	.0004247	.0002471	.0042991	.0007642	.0008168
%RSD	5.171006	6.104402	4.063438	2.577517	.4358102	7.903425	18.04363

#1	.0104246	.1207373	.0107528	.0097630	.9894991	.0102092	.0051042
#2	.0096892	.1107455	.0101521	.0094135	.9834192	.0091285	.0039491

Check ? Value Range	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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Sample Name: MRL Acquired: 5/10/2016 12:14:09 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0207032	.0095583	.1723454	.0415080	.0049088	.0047852	.0101184
Stddev	.0017270	.0022015	.0021108	.0003786	.0003485	.0003763	.0013170
%RSD	8.341584	23.03217	1.224753	.9120340	7.099661	7.862793	13.01613

#1	.0194821	.0111150	.1708528	.0417757	.0046624	.0045191	.0091871
#2	.0219244	.0080016	.1738380	.0412404	.0051553	.0050512	.0110497

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0051823	.0203217
Stddev	.0005803	.0006914
%RSD	11.19751	3.402382

#1	.0047719	.0208106
#2	.0055926	.0198328

Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1276.369	706.5446	7080.222	2856.450
Stddev	1.810	1.6818	363.958	11.555
%RSD	.1418379	.2380356	5.140485	.4045347

#1	1277.649	707.7338	7337.579	2848.279
#2	1275.089	705.3553	6822.865	2864.621

Sample Name: 500-111230-h-1-a@5 Acquired: 5/10/2016 12:18:24 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000412	.1459036	.0161448	.0615880	.0792896	.0002731	-.000998
Stddev	.000439	.0216899	.0018233	.0001088	.0007895	.0004567	.002484
%RSD	106.5437	14.86590	11.29319	.1766164	.9956983	167.2090	248.9909

#1	-.000723	.1612407	.0148556	.0616649	.0798478	-.000050	.000759
#2	-.000102	.1305666	.0174341	.0615110	.0787313	.000596	-.002754

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.141727	-.000377	-.000221	.0006424	.0020084	.1170785	232.7790
Stddev	.067986	.000020	.000346	.0000802	.0005521	.0012152	2.6708
%RSD	1.106957	5.217807	156.8004	12.48837	27.49113	1.037938	1.147361

#1	6.189801	-.000391	-.000465	.0005857	.0023989	.1179378	234.6675
#2	6.093653	-.000363	.000024	.0006992	.0016180	.1162193	230.8904

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1022799	.8678659	.0172818	.0820146	272.4973	.0511295	-.001930
Stddev	.0010649	.0081421	.0003153	.0001332	.6147	.0004059	.000766
%RSD	1.041161	.9381700	1.824507	.1623877	.2255619	.7938517	39.70246

#1	.1030329	.8736232	.0170588	.0821087	272.0626	.0508424	-.001388
#2	.1015269	.8621086	.0175047	.0819204	272.9319	.0514165	-.002472

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

Sample Name: 500-111230-h-1-a@5 Acquired: 5/10/2016 12:18:24 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012211	.0001679	3.986940	.0001268	.0875264	.0032385	-.000544
Stddev	.0000024	.0060548	.012469	.0000737	.0059175	.0003952	.000735
%RSD	.2001490	3605.522	.3127341	58.08955	6.760849	12.20309	135.0354
#1	.0012194	.0044493	3.978124	.0000747	.0917107	.0035180	-.001064
#2	.0012228	-.004113	3.995757	.0001789	.0833420	.0029591	-.000025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0142555	.0064170
Stddev	.0013891	.0003012
%RSD	9.744053	4.693247
#1	.0152377	.0066299
#2	.0132733	.0062040
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1037.048	642.9078	6597.995	2763.502
Stddev	1.860	1.1419	358.040	27.425
%RSD	.1793905	.1776194	5.426504	.9923829
#1	1038.363	642.1003	6344.823	2744.110
#2	1035.733	643.7152	6851.168	2782.894

Sample Name: mb 500-334357/1-a Acquired: 5/10/2016 12:23:39 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000286	.0289767	-.001448	-.000235	-.000001	.0000140	-.003670
Stddev	.000047	.0102135	.001699	.000125	.000076	.0001344	.001082
%RSD	16.50063	35.24728	117.3347	53.22483	6391.208	961.7966	29.47164

#1	-.000319	.0217547	-.002650	-.000147	.000053	.0001090	-.002905
#2	-.000253	.0361988	-.000247	-.000324	-.000055	-.000081	-.004435

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0971223	.0001410	-.000279	.0264115	.0009788	.3094090	.1181474
Stddev	.0018310	.0000685	.000071	.0003627	.0006334	.0186212	.0077888
%RSD	1.885239	48.62850	25.25280	1.373304	64.70863	6.018300	6.592409

#1	.0958276	.0001894	-.000229	.0261551	.0014267	.3225762	.1236548
#2	.0984170	.0000925	-.000329	.0266680	.0005310	.2962419	.1126399

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001372	.0585645	.0017648	.0003257	.0393587	.0107028	.0001030
Stddev	.0001325	.0226885	.0004594	.0000372	.0012260	.0001254	.0005308
%RSD	96.60334	38.74110	26.03184	11.43817	3.114875	1.171367	515.4526

#1	.0002309	.0746077	.0014399	.0003520	.0402256	.0106141	-.000272
#2	.0000435	.0425213	.0020896	.0002993	.0384918	.0107914	.000478

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

Sample Name: mb 500-334357/1-a Acquired: 5/10/2016 12:23:39 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010088	-.000770	.0365150	.0141938	.0001390	.0004205	-.003198
Stddev	.0006663	.001667	.0013625	.0006229	.0000094	.0000541	.001423
%RSD	66.04395	216.5576	3.731403	4.388844	6.766758	12.85965	44.50274

#1	.0014800	.000409	.0374785	.0137533	.0001456	.0003823	-.002192
#2	.0005377	-.001948	.0355516	.0146343	.0001323	.0004588	-.004205

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0011769	.0026865
Stddev	.0007210	.0000002
%RSD	61.26552	.0087210

#1	.0016867	.0026867
#2	.0006670	.0026864

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1277.354	709.7835	6941.397	2866.340
Stddev	2.932	3.0830	15.602	3.962
%RSD	.2295052	.4343569	.2247680	.1382338

#1	1275.281	707.6035	6930.365	2869.141
#2	1279.426	711.9635	6952.429	2863.538

Sample Name: lcs 500-334357/2-a Acquired: 5/10/2016 12:27:53 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0461308	1.958444	.0919737	.8519204	1.929175	.0482853	.4631148
Stddev	.0003266	.006457	.0014567	.0003906	.008418	.0005193	.0038406
%RSD	.7078781	.3297083	1.583780	.0458466	.4363650	1.075515	.8292945

#1	.0463617	1.963010	.0909437	.8521966	1.935128	.0486525	.4603991
#2	.0458999	1.953878	.0930037	.8516442	1.923223	.0479180	.4658305

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.761695	.0463545	.4919117	.2202014	.2404555	1.220077	9.653479
Stddev	.031451	.0001677	.0010472	.0013448	.0002963	.001357	.066652
%RSD	.3221844	.3618342	.2128883	.6106975	.1232205	.1112412	.6904437

#1	9.739456	.0462359	.4911712	.2192505	.2406650	1.221037	9.700609
#2	9.783934	.0464731	.4926522	.2211523	.2402460	1.219117	9.606349

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4760750	9.437442	.4856574	.9738703	9.535073	.4948538	.0957251
Stddev	.0011724	.069621	.0000499	.0020443	.056707	.0005001	.0004713
%RSD	.2462587	.7377053	.0102760	.2099173	.5947207	.1010511	.4923434

#1	.4769040	9.486671	.4856222	.9724248	9.575171	.4945002	.0953918
#2	.4752460	9.388213	.4856927	.9753159	9.494975	.4952074	.0960583

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

Sample Name: lcs 500-334357/2-a Acquired: 5/10/2016 12:27:53 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4628124	.0849154	3.077203	.9770553	.9748340	.9820430	.0920046
Stddev	.0014990	.0014930	.000361	.0048534	.0065486	.0000133	.0027517
%RSD	.3238925	1.758196	.0117393	.4967424	.6717673	.0013499	2.990841

#1	.4617525	.0859711	3.076948	.9736234	.9794646	.9820524	.0900589
#2	.4638724	.0838597	3.077459	.9804873	.9702035	.9820336	.0939504

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.4969745	.4745578
Stddev	.0008973	.0021289
%RSD	.1805488	.4485998

#1	.4963401	.4730525
#2	.4976090	.4760631

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1214.382	697.9715	6811.960	2843.976
Stddev	3.146	1.1784	6.485	7.674
%RSD	.2590485	.1688250	.0951964	.2698448

#1	1216.607	697.1383	6807.375	2838.550
#2	1212.158	698.8047	6816.546	2849.403

Sample Name: 500-111095-g-1-c Acquired: 5/10/2016 12:32:04 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001437	111.2626	.0605485	.1120029	.4139220	.0076980	.0013533
Stddev	.000451	5.8583	.0062190	.0003533	.0196781	.0002592	.0001471
%RSD	31.39036	5.265251	10.27103	.3154136	4.754073	3.366768	10.87116

#1	-.001756	107.1202	.0561510	.1117531	.4000074	.0075147	.0014574
#2	-.001118	115.4050	.0649460	.1122527	.4278365	.0078812	.0012493

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	96.32614	.0014703	.1185363	.2153165	.2847840	207.0183	18.22918
Stddev	5.08589	.0000491	.0015153	.0001986	.0020150	10.7761	.76772
%RSD	5.279869	3.339793	1.278347	.0922125	.7075396	5.205400	4.211505

#1	92.72987	.0014356	.1174648	.2151761	.2862088	199.3984	17.68632
#2	99.92241	.0015050	.1196078	.2154569	.2833593	214.6382	18.77204

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1909550	83.39468	1.651258	.0364359	1.720692	.3602431	.1703327
Stddev	.0090909	4.33410	.084384	.0009948	.088526	.0018460	.0003672
%RSD	4.760778	5.197093	5.110283	2.730261	5.144777	.5124468	.2155549

#1	.1845267	80.33001	1.591590	.0357325	1.658095	.3589378	.1700731
#2	.1973833	86.45935	1.710927	.0371394	1.783289	.3615485	.1705923

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

Sample Name: 500-111095-g-1-c Acquired: 5/10/2016 12:32:04 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000676	-.000753	1.923752	.0225785	.1652864	.8096071	.0011641
Stddev	.0017600	.004219	.006727	.0007685	.0003497	.0013041	.0020757
%RSD	2605.627	560.6039	.3496702	3.403614	.2115642	.1610804	178.3039

#1	-.001177	.002231	1.918996	.0231219	.1650392	.8086849	-.000304
#2	.001312	-.003736	1.928509	.0220351	.1655337	.8105292	.002632

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.2262975	.5373744
Stddev	.0009733	.0024344
%RSD	.4300876	.4530242

#1	.2256093	.5356530
#2	.2269857	.5390958

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1077.255	750.7916	7372.288	3196.288
Stddev	4.496	.6942	10.427	104.455
%RSD	.4173188	.0924565	.1414346	3.268001

#1	1080.433	751.2824	7364.915	3270.149
#2	1074.076	750.3007	7379.661	3122.428

Sample Name: 500-111095-g-2-c Acquired: 5/10/2016 12:37:03 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001216	116.4807	.0769547	.1454226	.3361385	.0077170	.0005789
Stddev	.000790	.8118	.0007291	.0008065	.0014279	.0002058	.0002808
%RSD	64.97043	.6969448	.9474354	.5545844	.4247952	2.666403	48.50512

#1	-.001774	115.9067	.0764392	.1459929	.3351289	.0075715	.0007775
#2	-.000657	117.0547	.0774703	.1448523	.3371482	.0078625	.0003804

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	339.5438	.0012380	.1255327	.2184460	.2242063	207.4870	27.36813
Stddev	2.4162	.0003633	.0010630	.0005178	.0014956	1.4433	.11535
%RSD	.7116080	29.34296	.8467805	.2370224	.6670462	.6956166	.4214584

#1	337.8353	.0014949	.1247811	.2188121	.2252638	206.4664	27.28657
#2	341.2524	.0009811	.1262844	.2180798	.2231488	208.5076	27.44969

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2329792	183.4350	2.819029	.0476148	1.819757	.3552392	.1278064
Stddev	.0014528	.9618	.019703	.0002513	.015456	.0012459	.0039085
%RSD	.6235859	.5243182	.6989367	.5277532	.8493678	.3507139	3.058173

#1	.2319519	182.7549	2.805096	.0474371	1.808827	.3561202	.1305702
#2	.2340065	184.1150	2.832961	.0477925	1.830686	.3543582	.1250427

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

Sample Name: 500-111095-g-2-c Acquired: 5/10/2016 12:37:03 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008564	-.000265	1.986349	.0267037	.2624733	.8927880	-.000682
Stddev	.0011936	.002647	.001415	.0030921	.0010700	.0034004	.000837
%RSD	139.3703	1000.220	.0712311	11.57942	.4076675	.3808772	122.7849

#1	.0017004	.001607	1.985349	.0288902	.2632300	.8951925	-.001273
#2	.0000124	-.002137	1.987350	.0245172	.2617167	.8903836	-.000090

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.2279467	.4552209
Stddev	.0016553	.0018275
%RSD	.7261698	.4014474

#1	.2291171	.4565131
#2	.2267762	.4539286

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1001.987	709.2472	7005.463	3046.735
Stddev	2.689	1.4119	28.831	6.557
%RSD	.2683450	.1990672	.4115472	.2152113

#1	1003.888	708.2489	6985.077	3051.372
#2	1000.086	710.2456	7025.850	3042.099

Sample Name: 500-111095-g-3-c Acquired: 5/10/2016 12:42:03 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001484	123.4230	.0451449	.1300692	.4343417	.0079488	.0015765
Stddev	.000165	.2280	.0019452	.0001156	.0005779	.0001414	.0022105
%RSD	11.14157	.1847269	4.308877	.0888347	.1330505	1.778683	140.2174

#1	-.001367	123.2618	.0465204	.1301509	.4339331	.0080488	.0031396
#2	-.001601	123.5842	.0437694	.1299875	.4347503	.0078488	.0000134

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	72.82703	.0010326	.1187493	.2230230	.2559505	188.6684	19.95489
Stddev	.12901	.0000912	.0001317	.0003970	.0016320	.3181	.07179
%RSD	.1771457	8.836241	.1108877	.1780319	.6376326	.1686180	.3597695

#1	72.73580	.0010972	.1188424	.2233037	.2571045	188.4434	19.90413
#2	72.91825	.0009681	.1186562	.2227422	.2547965	188.8933	20.00566

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2032325	69.60383	1.538617	.0266731	1.791513	.3471068	.1466688
Stddev	.0012475	.07282	.001758	.0001374	.003383	.0006461	.0017423
%RSD	.6138405	.1046137	.1142708	.5151725	.1888534	.1861234	1.187911

#1	.2023503	69.55234	1.539860	.0265759	1.789120	.3475637	.1454368
#2	.2041146	69.65532	1.537373	.0267702	1.793905	.3466500	.1479008

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

Sample Name: 500-111095-g-3-c Acquired: 5/10/2016 12:42:03 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002040	-.001672	2.005389	.0264803	.1696907	.9014023	-.000948
Stddev	.001181	.001192	.004888	.0003872	.0008395	.0070353	.000601
%RSD	57.88089	71.28878	.2437304	1.462222	.4947353	.7804850	63.35883

#1	-.001205	-.002514	2.008845	.0267541	.1702844	.9063770	-.000523
#2	-.002875	-.000829	2.001933	.0262065	.1690971	.8964276	-.001373

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.2366614	.5237624
Stddev	.0005614	.0017372
%RSD	.2372258	.3316775

#1	.2370584	.5249908
#2	.2362644	.5225340

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1100.249	765.4623	7439.539	3171.462
Stddev	.800	1.1398	25.698	3.616
%RSD	.0726972	.1489017	.3454313	.1140172

#1	1100.815	764.6563	7421.367	3174.018
#2	1099.683	766.2682	7457.711	3168.905

Sample Name: 500-111095-g-4-c Acquired: 5/10/2016 12:47:04 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000855	109.8154	.1610819	.1206602	.8642408	.0077810	.0003877
Stddev	.000547	.1351	.0008484	.0005187	.0034460	.0001657	.0000285
%RSD	64.06399	.1230491	.5266857	.4299180	.3987255	2.129319	7.343524

#1	-.000467	109.9109	.1616818	.1202934	.8666775	.0078982	.0003676
#2	-.001242	109.7198	.1604820	.1210270	.8618042	.0076639	.0004079

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	298.7679	.0015364	.2055018	.2160319	.2920559	264.8288	21.39917
Stddev	.8698	.0000355	.0002182	.0069562	.0081719	.3315	.08359
%RSD	.2911281	2.311884	.1061593	3.219983	2.798059	.1251749	.3906170

#1	299.3829	.0015615	.2053475	.2209507	.2978343	265.0632	21.45828
#2	298.1529	.0015113	.2056560	.2111131	.2862775	264.5944	21.34006

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2057397	180.3148	5.109605	.0885877	1.763977	.4104134	.2108958
Stddev	.0006030	.5798	.011570	.0012463	.006349	.0008914	.0072175
%RSD	.2931024	.3215689	.2264399	1.406901	.3599458	.2172036	3.422300

#1	.2061661	180.7248	5.117787	.0877064	1.768466	.4097830	.2057922
#2	.2053133	179.9048	5.101424	.0894690	1.759487	.4110437	.2159993

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

Sample Name: 500-111095-g-4-c Acquired: 5/10/2016 12:47:04 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0034648	.0052114	1.923172	.0238718	.2524223	.9381134	.0003109
Stddev	.0013005	.0035082	.000675	.0011371	.0071825	.0264597	.0021304
%RSD	37.53467	67.31712	.0351069	4.763514	2.845437	2.820518	685.3307

#1	.0043844	.0076920	1.922695	.0246758	.2575011	.9568232	-.001196
#2	.0025452	.0027308	1.923649	.0230677	.2473435	.9194036	.001817

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.2535522	.5393112
Stddev	.0073329	.0004049
%RSD	2.892069	.0750725

#1	.2587374	.5390249
#2	.2483671	.5395975

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1012.920	721.8061	7060.677	3090.396
Stddev	2.060	2.0289	158.828	12.680
%RSD	.2034048	.2810873	2.249467	.4102999

#1	1011.463	720.3715	6948.369	3081.430
#2	1014.377	723.2408	7172.985	3099.362

Sample Name: 500-111095-g-5-c Acquired: 5/10/2016 12:52:03 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001876	143.5634	.0588951	.1492918	.4978948	.0091012	-.001195
Stddev	.000707	.2475	.0015206	.0002429	.0001630	.0000314	.000372
%RSD	37.69974	.1724285	2.581834	.1627188	.0327424	.3449612	31.17737

#1	-.002376	143.3884	.0599703	.1491200	.4980100	.0091234	-.000931
#2	-.001376	143.7384	.0578199	.1494636	.4977795	.0090790	-.001458

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	182.3475	.0010572	.1416549	.2553572	.2694169	219.7324	25.66311
Stddev	.6025	.0001925	.0015271	.0016866	.0001862	1.0976	.03338
%RSD	.3304216	18.21341	1.078031	.6604803	.0690999	.4995262	.1300713

#1	181.9214	.0009210	.1427347	.2541646	.2692852	218.9563	25.68671
#2	182.7735	.0011933	.1405751	.2565499	.2695485	220.5086	25.63950

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2503916	138.1432	2.478041	.0304260	1.898460	.4135007	.1471938
Stddev	.0004795	.4327	.012815	.0003914	.001844	.0017227	.0018278
%RSD	.1914797	.3132534	.5171375	1.286548	.0971350	.4166179	1.241782

#1	.2500525	137.8372	2.468979	.0307028	1.897156	.4147189	.1484863
#2	.2507306	138.4492	2.487102	.0301492	1.899764	.4122826	.1459014

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

Sample Name: 500-111095-g-5-c Acquired: 5/10/2016 12:52:03 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001524	-0.000246	1.961728	.0252373	.2165538	1.160568	.0014339
Stddev	.003034	.004267	.002722	.0017932	.0003805	.002771	.0013038
%RSD	199.0800	1732.929	.1387301	7.105235	.1757247	.2387743	90.92455

#1	.000621	-.003263	1.963652	.0239693	.2162847	1.158608	.0023558
#2	-.003670	.002771	1.959804	.0265053	.2168229	1.162527	.0005120

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.2684644	.5815950
Stddev	.0012310	.0013101
%RSD	.4585248	.2252653

#1	.2693348	.5825214
#2	.2675939	.5806686

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1044.373	748.4873	7335.541	3155.113
Stddev	.257	1.0905	7.707	3.276
%RSD	.0246171	.1456952	.1050603	.1038212

#1	1044.555	747.7162	7340.991	3157.429
#2	1044.191	749.2584	7330.092	3152.797

Sample Name: 500-111095-g-5-csd@5 Acquired: 5/10/2016 12:57:03 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000541	32.26972	.0162041	.0359422	.1134949	.0018886	.0007975
Stddev	.000480	.01757	.0005969	.0001110	.0001862	.0002031	.0000101
%RSD	88.74123	.0544512	3.683837	.3088767	.1640659	10.75443	1.259647

#1	-.000880	32.25729	.0166262	.0358637	.1136266	.0017450	.0007904
#2	-.000201	32.28214	.0157820	.0360207	.1133633	.0020322	.0008046

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	43.04772	.0001252	.0278998	.0596454	.0594259	52.16453	5.773905
Stddev	.07472	.0000276	.0005068	.0004683	.0004141	.55689	.002024
%RSD	.1735743	22.06050	1.816584	.7851336	.6969011	1.067559	.0350591

#1	43.10056	.0001447	.0282581	.0599766	.0591330	52.55831	5.772474
#2	42.99489	.0001057	.0275414	.0593143	.0597187	51.77075	5.775337

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0552679	30.84135	.5869927	.0068043	.4185480	.0844595	.0320452
Stddev	.0006656	.04326	.0023429	.0001966	.0045743	.0011212	.0014255
%RSD	1.204369	.1402578	.3991428	2.889253	1.092901	1.327549	4.448528

#1	.0557386	30.81076	.5886494	.0069433	.4217825	.0852524	.0330532
#2	.0547972	30.87194	.5853360	.0066653	.4153135	.0836667	.0310372

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

Sample Name: 500-111095-g-5-csd@5 Acquired: 5/10/2016 12:57:03 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000243	.0001430	.4473117	.0053953	.0494021	.2683716	.0011817
Stddev	.000718	.0011277	.0057931	.0012081	.0000191	.0012670	.0022806
%RSD	295.0039	788.5534	1.295081	22.39155	.0387311	.4720893	192.9828

#1	-.000751	-.000654	.4514080	.0045411	.0493886	.2674757	.0027943
#2	.000264	.000940	.4432154	.0062496	.0494156	.2692674	-.000431

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0612249	.1206093
Stddev	.0003503	.0024350
%RSD	.5721394	2.018909

#1	.0609772	.1223311
#2	.0614726	.1188875

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1199.501	729.8762	7019.240	2909.227
Stddev	10.045	5.9603	30.220	4.824
%RSD	.8373940	.8166195	.4305328	.1658308

#1	1192.398	725.6617	6997.871	2905.815
#2	1206.603	734.0908	7040.609	2912.638

Sample Name: 500-111095-g-5-d du Acquired: 5/10/2016 13:01:14 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001484	130.8186	.0450573	.1376047	.4465069	.0081576	.0015529
Stddev	.000385	.1608	.0076756	.0008979	.0002515	.0005239	.0002905
%RSD	25.91656	.1229313	17.03515	.6525257	.0563244	6.422152	18.70549

#1	-.001212	130.9323	.0396298	.1382396	.4463291	.0077871	.0017583
#2	-.001756	130.7049	.0504847	.1369698	.4466848	.0085281	.0013475

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	187.8807	.0011950	.1247958	.2318008	.2416544	198.3053	23.30548
Stddev	.3374	.0000699	.0008752	.0016997	.0011860	.3585	.03530
%RSD	.1795764	5.846112	.7013346	.7332577	.4907749	.1808061	.1514735

#1	188.1192	.0012444	.1241769	.2305989	.2408158	198.5588	23.28052
#2	187.6421	.0011456	.1254147	.2330026	.2424931	198.0518	23.33045

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2298679	128.2909	2.164519	.0249004	1.753335	.3682093	.1335558
Stddev	.0011709	.2022	.003097	.0005483	.003624	.0015420	.0046870
%RSD	.5093610	.1575766	.1430660	2.202040	.2066934	.4187734	3.509370

#1	.2290400	128.4338	2.162329	.0252881	1.750773	.3692996	.1368699
#2	.2306959	128.1480	2.166709	.0245127	1.755898	.3671190	.1302416

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

Sample Name: 500-111095-g-5-d du Acquired: 5/10/2016 13:01:14 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002004	.0032308	1.949499	.0268383	.2100805	1.084272	.0029208
Stddev	.000404	.0018901	.006354	.0006086	.0002531	.002358	.0013305
%RSD	20.16816	58.50057	.3259544	2.267489	.1204634	.2174496	45.55186

#1	-.002290	.0018944	1.953993	.0272686	.2099015	1.082605	.0019800
#2	-.001719	.0045673	1.945006	.0264080	.2102594	1.085939	.0038615

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.2416661	.5401952
Stddev	.0003624	.0006857
%RSD	.1499375	.1269371

#1	.2419224	.5397104
#2	.2414099	.5406801

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1044.507	742.5169	7301.873	3122.908
Stddev	.718	2.8152	5.121	.904
%RSD	.0687140	.3791411	.0701335	.0289536

#1	1043.999	740.5263	7298.252	3122.269
#2	1045.014	744.5076	7305.495	3123.547

Sample Name: CCV Acquired: 5/10/2016 13:06:14 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4881700	48.43500	.5143951	.4830221	.4884776	.5055922
Stddev	.0002371	.07123	.0043400	.0009546	.0011773	.0029310
%RSD	.0485608	.1470539	.8437087	.1976308	.2410108	.5797163

#1	.4883377	48.38464	.5174640	.4836971	.4893100	.5076648
#2	.4880024	48.48536	.5113263	.4823471	.4876451	.5035197

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4953031	25.02125	.4909019	.5194426	.4975607	.4889282
Stddev	.0016922	.03620	.0012242	.0006948	.0015520	.0010520
%RSD	.3416464	.1446691	.2493770	.1337657	.3119243	.2151732

#1	.4964996	24.99565	.4917676	.5189513	.4986581	.4896721
#2	.4941065	25.04684	.4900363	.5199340	.4964633	.4881842

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.26480	53.83363	3.781706	24.76974	4.920724	.4870003
Stddev	.10728	.05029	.004037	.11227	.002842	.0000748
%RSD	.4246111	.0934244	.1067463	.4532406	.0577568	.0153547

#1	25.18894	53.86919	3.778851	24.69035	4.918715	.4870532
#2	25.34066	53.79807	3.784560	24.84912	4.922734	.4869475

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

Sample Name: CCV Acquired: 5/10/2016 13:06:14 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.02388	.5170862	.5191310	.4856680	.4871778	F .4354828
Stddev	.01737	.0001621	.0005391	.0045585	.0059929	.0014595
%RSD	.0723017	.0313509	.1038502	.9385959	1.230115	.3351359

#1	24.03617	.5169715	.5195122	.4888914	.4829403	.4365148
#2	24.01160	.5172008	.5187498	.4824447	.4914154	.4344508

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						.5000000
Range						-10.0000%

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5186612	.4979171	.4971836	.5028325	5.061545	.5339535
Stddev	.0016811	.0007005	.0010156	.0034600	.002806	.0008810
%RSD	.3241301	.1406786	.2042660	.6881035	.0554446	.1649863

#1	.5198499	.4984124	.4979017	.5003859	5.063529	.5333306
#2	.5174724	.4974218	.4964654	.5052791	5.059560	.5345764

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1154.651	700.2666	6738.955	2792.020
Stddev	.143	1.8746	12.691	3.058
%RSD	.0123700	.2677050	.1883198	.1095259

#1	1154.752	698.9410	6747.929	2789.857
#2	1154.550	701.5922	6729.982	2794.182

Sample Name: CCB Acquired: 5/10/2016 13:10:19 Type: QC

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002449	.0022097	-.001006	.0001299	-.000090	.0000534	-.001203
Stddev	.0003140	.0057438	.001882	.0000373	.000066	.0000045	.000357
%RSD	128.2218	259.9365	187.1461	28.74041	74.18868	8.405046	29.72811

#1	.0004670	.0062712	.000325	.0001563	-.000043	.0000503	-.000950
#2	.0000229	-.001852	-.002337	.0001035	-.000136	.0000566	-.001455

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.005207	-.000135	-.000030	-.000192	.0006799	.0032035	.0435485
Stddev	.003066	.000336	.000565	.000713	.0000664	.0567081	.0029055
%RSD	58.88592	249.2831	1886.396	371.8013	9.761650	1770.173	6.671808

#1	-.007374	.000103	.000370	.000312	.0007268	.0433022	.0414941
#2	-.003039	-.000373	-.000429	-.000696	.0006329	-.036895	.0456030

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005821	.0030850	.0001961	-.000000	-.005823	-.000548	-.000030
Stddev	.0001447	.0168478	.0001778	.000270	.003217	.000188	.000406
%RSD	24.86312	546.1188	90.65210	55903.05	55.24688	34.33389	1350.475

#1	.0006845	-.008828	.0003218	-.000191	-.003548	-.000682	-.000317
#2	.0004798	.014998	.0000704	.000190	-.008098	-.000415	.000257

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

Sample Name: CCB Acquired: 5/10/2016 13:10:19 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024803	-.000950	.0016404	.0003198	-.000015	.0002782	-.000232
Stddev	.0001733	.001161	.0005449	.0014339	.000018	.0000092	.000209
%RSD	6.985170	122.2645	33.21691	448.3904	120.3031	3.319098	89.91034
#1	.0023578	-.000129	.0020257	.0013337	-.000002	.0002717	-.000380
#2	.0026028	-.001771	.0012551	-.000694	-.000028	.0002847	-.000085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0004333	.0001949
Stddev	.0005108	.0003767
%RSD	117.8861	193.2272
#1	.0000721	.0004613
#2	.0007945	-.000071
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1313.139	733.3894	7015.204	2926.947
Stddev	1.635	.1693	21.131	75.165
%RSD	.1245419	.0230783	.3012113	2.568031
#1	1314.296	733.2697	7000.262	2873.797
#2	1311.983	733.5091	7030.146	2980.096

Sample Name: 500-111095-g-5-e ms Acquired: 5/10/2016 13:13:44 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0416363	178.0181	.1439586	.9474168	2.219629	.0539136	.5203004
Stddev	.0003784	.9734	.0094201	.0019153	.002729	.0005234	.0027131
%RSD	.9087236	.5468203	6.543641	.2021612	.1229314	.9707321	.5214537

#1	.0419039	178.7064	.1372976	.9487711	2.221558	.0542836	.5183820
#2	.0413688	177.3298	.1506197	.9460624	2.217699	.0535435	.5222189

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	148.6735	.0436787	.6466412	.4575665	.4809783	218.3525	47.40173
Stddev	1.5696	.0004573	.0017082	.0001915	.0006400	1.4174	.01440
%RSD	1.055743	1.046877	.2641655	.0418452	.1330603	.6491276	.0303866

#1	149.7834	.0433553	.6478491	.4574311	.4805257	219.3548	47.41191
#2	147.5636	.0440020	.6454333	.4577018	.4814308	217.3503	47.39154

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6985441	127.8316	2.419399	.8286931	10.60412	.8945596	.2550254
Stddev	.0002371	1.0921	.017058	.0005208	.00017	.0043958	.0011211
%RSD	.0339383	.8543580	.7050501	.0628444	.0015932	.4913951	.4395867

#1	.6983765	128.6039	2.431461	.8283249	10.60400	.8976679	.2558181
#2	.6987117	127.0594	2.407338	.8290614	10.60423	.8914513	.2542327

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

Sample Name: 500-111095-g-5-e ms Acquired: 5/10/2016 13:13:44 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1324734	.0670792	3.276452	.9898771	1.097052	2.151160	.0916229
Stddev	.0010138	.0074864	.008691	.0014538	.000375	.004183	.0012035
%RSD	.7652843	11.16047	.2652490	.1468703	.0341804	.1944515	1.313556

#1	.1331903	.0723729	3.270307	.9888490	1.096787	2.154117	.0907719
#2	.1317566	.0617856	3.282598	.9909051	1.097317	2.148202	.0924739

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.7808689	1.102434
Stddev	.0002017	.001863
%RSD	.0258259	.1690213

#1	.7807263	1.101116
#2	.7810115	1.103752

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1039.656	753.8820	7335.069	3168.500
Stddev	1.507	.8656	8.803	24.966
%RSD	.1449383	.1148127	.1200149	.7879418

#1	1038.591	753.2700	7328.844	3150.847
#2	1040.722	754.4941	7341.293	3186.154

Sample Name: 500-111095-g-5-f msd Acquired: 5/10/2016 13:18:46 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0405980	169.9430	.1437354	.9345367	2.165930	.0526726	.5083250
Stddev	.0006993	.4536	.0042147	.0008896	.000542	.0000949	.0032696
%RSD	1.722538	.2669089	2.932300	.0951922	.0250064	.1800975	.6432193

#1	.0401035	169.6222	.1407551	.9351658	2.165547	.0526055	.5060131
#2	.0410925	170.2637	.1467157	.9339076	2.166313	.0527396	.5106370

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	173.4702	.0427329	.6300275	.4381419	.4526524	212.5051	45.74296
Stddev	.1782	.0000706	.0024046	.0058452	.0052401	.5168	.14509
%RSD	.1027155	.1653372	.3816600	1.334082	1.157650	.2432018	.3171785

#1	173.3442	.0427828	.6283272	.4422751	.4563578	212.1397	45.64037
#2	173.5962	.0426829	.6317278	.4340088	.4489471	212.8705	45.84555

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6782650	136.2882	2.767815	.8179892	10.32660	.8669348	.2336584
Stddev	.0025166	.4800	.006537	.0005355	.01172	.0032383	.0011380
%RSD	.3710405	.3522015	.2361729	.0654717	.1134495	.3735395	.4870128

#1	.6764855	135.9488	2.763193	.8176105	10.31832	.8646449	.2344631
#2	.6800445	136.6276	2.772437	.8183679	10.33488	.8692246	.2328538

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

Sample Name: 500-111095-g-5-f msd Acquired: 5/10/2016 13:18:46 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1301253	.0734405	3.638019	.9579799	1.069783	2.159936	.0913962
Stddev	.0000700	.0022392	.006773	.0000635	.001377	.023672	.0001839
%RSD	.0537708	3.048929	.1861775	.0066328	.1286929	1.095937	.2011768

#1	.1301748	.0718571	3.642808	.9579349	1.070756	2.176674	.0915262
#2	.1300758	.0750238	3.633229	.9580248	1.068809	2.143197	.0912662

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.7529580	1.045094
Stddev	.0064086	.000324
%RSD	.8511259	.0309938

#1	.7574896	1.045323
#2	.7484264	1.044865

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1034.074	742.3957	7309.230	3127.613
Stddev	4.467	.0643	33.146	3.571
%RSD	.4319828	.0086576	.4534831	.1141683

#1	1037.232	742.4412	7285.792	3130.138
#2	1030.915	742.3503	7332.668	3125.088

Sample Name: 500-111245-f-1-a Acquired: 5/10/2016 13:23:50 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001185	51.83265	.0643554	.1070882	.6824712	.0038741
Stddev	.000581	.01677	.0008360	.0008293	.0011616	.0003152
%RSD	49.00145	.0323559	1.299064	.7744286	.1702038	8.136683

#1	-.000774	51.82079	.0637643	.1076746	.6832925	.0040970
#2	-.001595	51.84450	.0649466	.1065017	.6816498	.0036513

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0037485	F 1775.024	.0013929	.0659477	.1490294	.1330383
Stddev	.0038374	4.139	.0003270	.0000342	.0013343	.0010692
%RSD	102.3729	.2331697	23.47459	.0518173	.8953265	.8036978

#1	.0010350	1777.951	.0016241	.0659235	.1480859	.1322822
#2	.0064619	1772.098	.0011617	.0659718	.1499729	.1337943

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		600.0000				
Low Limit		-.200000				

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	125.4527	10.94590	.0756462	F 1105.602	7.586154	.0175579
Stddev	.2270	.03164	.0001633	2.270	.008814	.0001082
%RSD	.1809596	.2890514	.2158646	.2053619	.1161839	.6161171

#1	125.6132	10.96827	.0757616	1107.207	7.592386	.0176344
#2	125.2921	10.92352	.0755307	1103.996	7.579921	.0174814

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				1000.000		
Low Limit				-.100000		

Sample Name: 500-111245-f-1-a Acquired: 5/10/2016 13:23:50 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.651849	.1520392	.1394635	.0025267	.0012901	2.148776
Stddev	.000404	.0029205	.0031952	.0007711	.0067345	.015828
%RSD	.0110602	1.920907	2.291087	30.51974	522.0232	.7365887

#1	3.652134	.1541044	.1417229	.0019814	.0060521	2.159967
#2	3.651563	.1499741	.1372041	.0030720	-.003472	2.137584

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0286713	.7518646	1.598162	-.007085	.1757808	.4909551
Stddev	.0005725	.0038761	.003762	.000139	.0007760	.0005620
%RSD	1.996653	.5155324	.2354257	1.963686	.4414553	.1144720

#1	.0282665	.7491238	1.595501	-.006987	.1752321	.4913525
#2	.0290761	.7546055	1.600822	-.007184	.1763295	.4905577

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	793.3817	612.7240	6234.796	2774.443
Stddev	2.9494	4.0642	8.868	12.013
%RSD	.3717564	.6633065	.1422403	.4329989

#1	791.2961	609.8502	6241.067	2765.948
#2	795.4673	615.5979	6228.525	2782.938

Sample Name: 500-111245-f-2-a Acquired: 5/10/2016 13:29:07 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001734	104.8151	.0798126	.1423625	.5042546	.0077645
Stddev	.000183	.0848	.0040419	.0004489	.0016345	.0002740
%RSD	10.57799	.0809298	5.064182	.3153162	.3241421	3.529410

#1	-.001864	104.8751	.0826706	.1420451	.5054104	.0079583
#2	-.001605	104.7551	.0769546	.1426800	.5030988	.0075708

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0107688	F 1337.065	.0009147	.0991487	.2235885	.1921828
Stddev	.0005724	5.387	.0000180	.0007744	.0012995	.0007074
%RSD	5.315002	.4028990	1.963252	.7810585	.5812138	.3680725

#1	.0103640	1333.256	.0009274	.0996963	.2245074	.1926830
#2	.0111735	1340.874	.0009020	.0986011	.2226696	.1916827

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		600.0000				
Low Limit		-.200000				

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	175.4822	26.98961	.2273344	731.4991	4.456454	.0081623
Stddev	.5678	.03798	.0009802	.0838	.001666	.0003097
%RSD	.3235904	.1407261	.4311873	.0114585	.0373938	3.793921

#1	175.8838	27.01647	.2280275	731.4398	4.457632	.0083813
#2	175.0807	26.96275	.2266412	731.5584	4.455276	.0079433

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

Sample Name: 500-111245-f-2-a Acquired: 5/10/2016 13:29:07 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.092260	.2647440	.1525442	.0029501	-.005554	1.996434
Stddev	.009814	.0029371	.0000085	.0003577	.006393	.002655
%RSD	.1610973	1.109415	.0055387	12.12422	115.1003	.1329643

#1	6.099200	.2668209	.1525502	.0032030	-.001034	1.994557
#2	6.085321	.2626672	.1525382	.0026971	-.010074	1.998312

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0278984	.7998392	2.448930	-.004399	.2844564	.5572134
Stddev	.0048826	.0016898	.010152	.002739	.0027887	.0017260
%RSD	17.50146	.2112635	.4145283	62.27265	.9803520	.3097509

#1	.0244459	.7986444	2.456108	-.006335	.2864283	.5559929
#2	.0313509	.8010341	2.441752	-.002462	.2824845	.5584338

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	834.9568	665.5653	6674.203	2948.979
Stddev	.3428	.0578	1.023	8.910
%RSD	.0410552	.0086913	.0153225	.3021328

#1	834.7145	665.6062	6673.480	2942.679
#2	835.1992	665.5244	6674.926	2955.279

Sample Name: 500-111245-f-3-a Acquired: 5/10/2016 13:34:24 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001587	124.4974	.0472333	.1301168	.7328780	.0080497
Stddev	.000315	.1625	.0043742	.0030021	.0005155	.0001177
%RSD	19.83420	.1305171	9.260938	2.307236	.0703392	1.462511

#1	-.001809	124.6123	.0503264	.1322396	.7325134	.0079664
#2	-.001364	124.3825	.0441402	.1279940	.7332425	.0081329

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0108134	F 1360.279	.0010686	.1231571	.2511792	.2321848
Stddev	.0037783	.039	.0002382	.0030219	.0011625	.0011748
%RSD	34.94072	.0028503	22.29037	2.453682	.4628210	.5059727

#1	.0134851	1360.307	.0009002	.1252939	.2520012	.2313541
#2	.0081418	1360.252	.0012370	.1210203	.2503572	.2330155

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		600.0000				
Low Limit		-.200000				

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	197.9555	28.21394	.2844228	683.1170	5.583514	.0093848
Stddev	.8285	.01739	.0003397	2.0414	.010683	.0001956
%RSD	.4185281	.0616213	.1194427	.2988356	.1913337	2.084071

#1	197.3697	28.20165	.2841826	681.6735	5.575959	.0095231
#2	198.5414	28.22623	.2846630	684.5605	5.591068	.0092465

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

Sample Name: 500-111245-f-3-a Acquired: 5/10/2016 13:34:24 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.142965	.3348941	.1201186	.0016142	-.002028	1.849644
Stddev	.011217	.0079414	.0088029	.0002599	.000008	.030537
%RSD	.2181052	2.371308	7.328505	16.10319	.3875887	1.650961

#1	5.135033	.3405095	.1263432	.0017980	-.002034	1.871237
#2	5.150897	.3292787	.1138940	.0014304	-.002022	1.828051

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0261246	.8216214	2.531998	-.000709	.3098963	.5852183
Stddev	.0022288	.0029044	.004097	.002257	.0004071	.0127029
%RSD	8.531380	.3534924	.1618044	318.2891	.1313717	2.170623

#1	.0277005	.8236751	2.529101	.000887	.3101841	.5942006
#2	.0245486	.8195677	2.534894	-.002305	.3096084	.5762360

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	827.0312	678.4514	6854.808	3038.445
Stddev	17.8574	10.9672	3.861	6.488
%RSD	2.159213	1.616509	.0563220	.2135467

#1	814.4041	670.6964	6852.078	3043.033
#2	839.6582	686.2064	6857.538	3033.857

Sample Name: 500-111245-f-4-a Acquired: 5/10/2016 13:39:41 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001301	92.14661	.0732227	.1080436	1.014546	.0058108
Stddev	.000586	.14356	.0029017	.0005558	.000750	.0000212
%RSD	44.99798	.1557972	3.962860	.5143730	.0739581	.3654358

#1	-.000887	92.04510	.0752745	.1076506	1.014015	.0057958
#2	-.001715	92.24813	.0711709	.1084366	1.015076	.0058258

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0056403	F 1214.608	.0006109	.0957104	.1741726	.1649918
Stddev	.0013376	4.372	.0003126	.0001661	.0006073	.0000611
%RSD	23.71473	.3599270	51.17289	.1735556	.3486909	.0370087

#1	.0046945	1211.517	.0003899	.0958278	.1737432	.1650349
#2	.0065861	1217.699	.0008320	.0955929	.1746021	.1649486

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		600.0000				
Low Limit		-.200000				

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	194.8256	16.76069	.1444661	775.1248	9.423606	.0066318
Stddev	.0434	.05484	.0011165	1.8405	.004827	.0005573
%RSD	.0222895	.3272163	.7728636	.2374406	.0512232	8.402766

#1	194.8563	16.72191	.1452556	773.8234	9.420192	.0062378
#2	194.7949	16.79947	.1436766	776.4262	9.427019	.0070259

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

Sample Name: 500-111245-f-4-a Acquired: 5/10/2016 13:39:41 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.876428	.2524672	.0979575	.0029651	-.001714	1.897205
Stddev	.003538	.0018396	.0048633	.0018480	.005356	.003364
%RSD	.0912718	.7286556	4.964732	62.32354	312.3786	.1772892

#1	3.873927	.2537680	.0945186	.0016584	.002073	1.894827
#2	3.878930	.2511664	.1013964	.0042718	-.005501	1.899584

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0219031	.5053410	1.789955	-.003479	.2754622	.5430772
Stddev	.0006948	.0000051	.000020	.003372	.0001048	.0033857
%RSD	3.172050	.0010105	.0010945	96.93489	.0380407	.6234352

#1	.0223944	.5053374	1.789969	-.001094	.2755363	.5454713
#2	.0214118	.5053446	1.789941	-.005864	.2753881	.5406832

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	841.0116	687.9623	6926.072	3068.475
Stddev	.5642	2.4360	19.669	2.075
%RSD	.0670835	.3540851	.2839797	.0676262

#1	841.4105	689.6847	6912.164	3069.942
#2	840.6126	686.2398	6939.980	3067.008

Sample Name: 500-111245-f-5-a Acquired: 5/10/2016 13:44:48 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001992	226.3138	.1427049	.0377652	1.970101	.0118030	.0053534
Stddev	.000256	1.5021	.0046503	.0015248	.007217	.0000972	.0003242
%RSD	12.83632	.6637371	3.258665	4.037455	.3663159	.8237547	6.056794

#1	-.002173	227.3760	.1459932	.0388434	1.975204	.0118717	.0051241
#2	-.001811	225.2516	.1394167	.0366870	1.964998	.0117342	.0055827

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	64.13449	.0018271	.2373607	.3352571	.2367336	312.9220	17.69697
Stddev	.72789	.0000018	.0080831	.0055146	.0046760	2.5986	.13555
%RSD	1.134944	.0996427	3.405400	1.644897	1.975221	.8304325	.7659277

#1	64.64918	.0018284	.2430763	.3313577	.2334271	314.7595	17.79282
#2	63.61979	.0018258	.2316451	.3391565	.2400400	311.0846	17.60112

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1690168	65.79405	11.79055	.0113977	4.654505	.4627194	.2407957
Stddev	.0005060	.63878	.09902	.0002182	.018132	.0129709	.0054645
%RSD	.2993580	.9708771	.8398675	1.914055	.3895620	2.803193	2.269356

#1	.1693746	66.24573	11.86057	.0112434	4.667326	.4718912	.2446597
#2	.1686590	65.34236	11.72053	.0115520	4.641683	.4535476	.2369317

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

Sample Name: 500-111245-f-5-a Acquired: 5/10/2016 13:44:48 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000171	-.005139	1.329241	.0331607	.1922288	1.282938	-.004314
Stddev	.003467	.004238	.029442	.0028634	.0037023	.024318	.001582
%RSD	2023.784	82.45675	2.214961	8.635008	1.926000	1.895509	36.67520

#1	.002281	-.002143	1.350059	.0311360	.1896109	1.265742	-.003195
#2	-.002623	-.008136	1.308422	.0351855	.1948467	1.300134	-.005433

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.5619675	.8857879
Stddev	.0117061	.0273494
%RSD	2.083050	3.087581

#1	.5536901	.9051268
#2	.5702449	.8664489

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1080.411	870.8873	8409.134	3583.294
Stddev	28.127	17.3710	119.372	25.807
%RSD	2.603350	1.994636	1.419548	.7201988

#1	1060.522	858.6041	8493.543	3565.046
#2	1100.300	883.1705	8324.726	3601.542

Sample Name: 500-111245-f-6-a Acquired: 5/10/2016 13:49:46 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002114	135.5920	.0363071	.0238555	1.336375	.0092155	.0004720
Stddev	.000354	.4855	.0000522	.0007553	.004609	.0001451	.0014554
%RSD	16.73379	.3580727	.1436699	3.166059	.3448984	1.574394	308.3761

#1	-.001864	135.9353	.0363440	.0243895	1.339634	.0093181	.0015011
#2	-.002364	135.2487	.0362702	.0233214	1.333116	.0091129	-.000557

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	57.57621	.0018144	.0962589	.2356862	.1665288	186.7653	14.81614
Stddev	.07238	.0003849	.0005066	.0012946	.0005349	.0403	.07422
%RSD	.1257154	21.21304	.5262757	.5492835	.3212247	.0215860	.5009272

#1	57.52503	.0015422	.0959007	.2366016	.1669071	186.7368	14.86862
#2	57.62739	.0020865	.0966172	.2347708	.1661506	186.7939	14.76366

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1046745	46.35251	1.540727	.0051541	5.780652	.2806384	.2337197
Stddev	.0005807	.10461	.000478	.0002102	.016054	.0009177	.0027297
%RSD	.5547725	.2256759	.0310537	4.077950	.2777159	.3270099	1.167951

#1	.1050851	46.42648	1.540389	.0053027	5.792003	.2812873	.2317894
#2	.1042639	46.27854	1.541066	.0050055	5.769300	.2799895	.2356499

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

Sample Name: 500-111245-f-6-a Acquired: 5/10/2016 13:49:46 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000099	-.000626	1.167489	.0268204	.1878817	.7838044	-.005431
Stddev	.000327	.003343	.005355	.0004531	.0009023	.0050463	.001717
%RSD	328.6841	534.0202	.4586882	1.689443	.4802496	.6438197	31.61928

#1	.000132	.001738	1.163703	.0271408	.1885198	.7873727	-.006645
#2	-.000330	-.002990	1.171276	.0265000	.1872437	.7802362	-.004216

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.3216364	.9301149
Stddev	.0007377	.0015781
%RSD	.2293543	.1696691

#1	.3221580	.9312308
#2	.3211148	.9289990

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1084.314	993.2933	9741.653	4078.750
Stddev	1.803	2.3331	24.305	4.818
%RSD	.1663017	.2348887	.2494924	.1181216

#1	1085.589	994.9431	9724.467	4075.343
#2	1083.039	991.6436	9758.839	4082.157

Sample Name: 500-111245-f-7-a Acquired: 5/10/2016 13:54:45 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001129	133.4810	.0653425	.1124474	.7550868	.0082457
Stddev	.000741	.9154	.0005991	.0002021	.0040282	.0003218
%RSD	65.62815	.6857835	.9168708	.1797561	.5334784	3.902513

#1	-.000605	134.1283	.0657661	.1123045	.7579352	.0084733
#2	-.001653	132.8338	.0649189	.1125903	.7522384	.0080182

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0106231	F 1048.134	.0016147	.1364126	.2597474	.2293591
Stddev	.0015585	3.411	.0003525	.0004882	.0012501	.0005110
%RSD	14.67038	.3254598	21.82955	.3578520	.4812599	.2227761

#1	.0095211	1050.546	.0013655	.1367578	.2606313	.2297204
#2	.0117251	1045.722	.0018639	.1360674	.2588634	.2289978

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		600.0000				
Low Limit		-.200000				

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	212.0327	29.07439	.2743523	515.0508	5.275945	.0118272
Stddev	.7084	.18202	.0022917	1.4644	.022086	.0004323
%RSD	.3340811	.6260406	.8353084	.2843123	.4186145	3.654926

#1	212.5336	29.20310	.2759727	516.0863	5.291562	.0115216
#2	211.5319	28.94569	.2727318	514.0154	5.260328	.0121329

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

Sample Name: 500-111245-f-7-a Acquired: 5/10/2016 13:54:45 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.378924	.3506081	.2702479	-.001748	-.002032	2.073976
Stddev	.030277	.0024755	.0111771	.001171	.003282	.005554
%RSD	.8960535	.7060455	4.135853	67.00677	161.4733	.2678141

#1	3.400333	.3523585	.2623445	-.000920	-.004353	2.070048
#2	3.357515	.3488577	.2781513	-.002576	.000288	2.077903

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0288615	.6838654	2.466757	-.001541	.3310867	.7176844
Stddev	.0019831	.0021518	.000605	.005595	.0008860	.0025082
%RSD	6.870948	.3146553	.0245261	363.1134	.2676190	.3494842

#1	.0274593	.6823438	2.467185	-.005497	.3304602	.7159109
#2	.0302637	.6853870	2.466329	.002415	.3317133	.7194580

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	871.4822	700.4348	7097.346	3075.495
Stddev	.3856	.6427	4.923	13.131
%RSD	.0442513	.0917625	.0693619	.4269541

#1	871.7549	700.8893	7100.827	3066.209
#2	871.2095	699.9803	7093.865	3084.779

Sample Name: 500-111245-f-8-a Acquired: 5/10/2016 14:00:03 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001929	116.1566	.0549842	.0659857	1.067674	.0063474
Stddev	.000335	.2516	.0042429	.0007575	.000541	.0000710
%RSD	17.36752	.2165734	7.716571	1.147913	.0506705	1.118255

#1	-.002166	115.9787	.0519840	.0665214	1.068056	.0063976
#2	-.001693	116.3344	.0579844	.0654501	1.067291	.0062972

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0106362	F 647.3140	.0025742	.0971895	.2163249	.1657720
Stddev	.0005440	2.4555	.0003392	.0008652	.0006463	.0007733
%RSD	5.114656	.3793384	13.17553	.8902044	.2987523	.4664919

#1	.0110209	645.5777	.0023344	.0965778	.2158679	.1663188
#2	.0102516	649.0503	.0028140	.0978013	.2167819	.1652251

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		600.0000				
Low Limit		-.200000				

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	154.9162	16.93905	.1332439	333.9110	4.629484	.0068141
Stddev	.7996	.03527	.0007474	1.0374	.011116	.0010457
%RSD	.5161483	.2082058	.5609067	.3106943	.2401136	15.34595

#1	154.3508	16.96399	.1337724	333.1774	4.621624	.0075536
#2	155.4816	16.91412	.1327154	334.6446	4.637344	.0060747

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

Sample Name: 500-111245-f-8-a Acquired: 5/10/2016 14:00:03 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.296122	.2436710	.2263817	.0027397	.0003918	2.234426
Stddev	.026390	.0020596	.0004477	.0019530	.0046514	.004489
%RSD	.3616995	.8452321	.1977804	71.28693	1187.259	.2009034

#1	7.314782	.2422147	.2266983	.0013587	.0036808	2.231251
#2	7.277461	.2451274	.2260651	.0041207	-.002897	2.237600

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0269624	.3763585	2.140356	-.002592	.3410576	.6558516
Stddev	.0003804	.0007306	.005255	.001905	.0015488	.0028819
%RSD	1.410676	.1941138	.2455427	73.51163	.4541178	.4394187

#1	.0272314	.3768751	2.144073	-.001245	.3399625	.6538138
#2	.0266935	.3758419	2.136640	-.003939	.3421528	.6578894

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	924.9017	718.8020	7233.575	3087.624
Stddev	3.9314	3.0123	14.112	.261
%RSD	.4250621	.4190713	.1950900	.0084596

#1	922.1217	716.6720	7223.597	3087.439
#2	927.6816	720.9320	7243.554	3087.809

Sample Name: CCV Acquired: 5/10/2016 14:05:12 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4862239	48.61077	.5174047	.4968534	.5012286	.5021339
Stddev	.0007560	.18395	.0009326	.0024444	.0019621	.0036712
%RSD	.1554746	.3784108	.1802462	.4919672	.3914636	.7311213
#1	.4856894	48.74084	.5180641	.4951250	.5026160	.5047298
#2	.4867585	48.48070	.5167453	.4985819	.4998411	.4995379
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4972839	23.97487	.4986907	.5145279	.4877162	.4973114
Stddev	.0028993	.05727	.0028640	.0000750	.0009550	.0001942
%RSD	.5830208	.2388552	.5742968	.0145868	.1958194	.0390449
#1	.4952338	24.01536	.4966656	.5145810	.4883916	.4971741
#2	.4993339	23.93438	.5007158	.5144748	.4870409	.4974487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.50207	F 57.14567	4.111142	24.32700	4.807974	.4956291
Stddev	.12502	.11663	.012210	.13890	.015727	.0016257
%RSD	.5102412	.2040983	.2969946	.5709683	.3270925	.3280041
#1	24.59047	57.22814	4.119776	24.42521	4.819095	.4944796
#2	24.41366	57.06319	4.102509	24.22878	4.796854	.4967786
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		50.00000				
Range		10.00000%				

Sample Name: CCV Acquired: 5/10/2016 14:05:12 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.54332	.5096719	.5115041	.4970216	.4933054	.4514033
Stddev	.04463	.0030630	.0031499	.0008186	.0041625	.0005807
%RSD	.1747195	.6009804	.6158131	.1646939	.8437907	.1286522

#1	25.57488	.5075060	.5092768	.4976005	.4903621	.4509926
#2	25.51176	.5118377	.5137314	.4964428	.4962487	.4518139

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5122356	.5019490	.4979915	.5022694	5.015842	.5141771
Stddev	.0028576	.0004158	.0000727	.0021513	.001619	.0008716
%RSD	.5578761	.0828374	.0145967	.4283058	.0322866	.1695176

#1	.5102150	.5022430	.4979401	.5007483	5.014696	.5147934
#2	.5142563	.5016550	.4980428	.5037906	5.016987	.5135608

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1099.267	651.6884	6464.549	2741.210
Stddev	2.267	2.3888	23.368	2.480
%RSD	.2062677	.3665614	.3614820	.0904848

#1	1100.870	653.3776	6481.073	2739.456
#2	1097.663	649.9992	6448.025	2742.964

Sample Name: CCB Acquired: 5/10/2016 14:09:19 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001779	.0094385	-.000416	.0002277	-.000081	-.000193	-.001409
Stddev	.0000720	.0023304	.001198	.0000325	.000066	.000455	.002253
%RSD	40.47742	24.69034	287.8166	14.25920	80.94933	236.3380	159.8518

#1	.0001270	.0077906	-.001263	.0002506	-.000128	.000129	.000184
#2	.0002288	.0110863	.000431	.0002047	-.000035	-.000515	-.003002

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007474	-.000220	.0000583	-.000011	.0007393	-.039369	.0586962
Stddev	.0011729	.000216	.0000874	.000639	.0000314	.049943	.0031896
%RSD	156.9388	98.20924	149.7983	5616.054	4.240894	126.8596	5.434108

#1	.0015768	-.000372	-.000003	-.000463	.0007615	-.074684	.0564409
#2	-.000082	-.000067	.000120	.000441	.0007172	-.004054	.0609517

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006117	.0385058	.0001662	.0002893	-.002642	-.000028	.0005961
Stddev	.0002630	.0252187	.0000124	.0004094	.000120	.000809	.0006465
%RSD	42.99713	65.49321	7.480205	141.5478	4.553034	2839.546	108.4605

#1	.0007977	.0563381	.0001574	.0005787	-.002557	-.000601	.0010532
#2	.0004257	.0206735	.0001750	-.000000	-.002728	.000544	.0001389

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

Sample Name: CCB Acquired: 5/10/2016 14:09:19 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016438	.0021785	.0017523	.0003711	-.000007	.0004303	-.001167
Stddev	.0002074	.0038574	.0002170	.0002667	.000010	.0000384	.002828
%RSD	12.61676	177.0631	12.38462	71.87107	144.2468	8.932094	242.3915
#1	.0014972	.0049061	.0015989	.0005596	-.000015	.0004031	-.003167
#2	.0017905	-.000549	.0019058	.0001825	.000000	.0004574	.000833
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	-.000061	.0003508
Stddev	.000168	.0002438
%RSD	276.4405	69.50061
#1	.000058	.0005232
#2	-.000179	.0001784
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1236.271	681.2692	6729.767	2775.986
Stddev	10.512	6.5666	37.363	3.358
%RSD	.8503247	.9638813	.5551888	.1209782
#1	1228.838	676.6259	6756.187	2773.612
#2	1243.704	685.9125	6703.348	2778.361

Sample Name: 500-111245-f-9-a Acquired: 5/10/2016 14:13:35 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001820	123.8414	.0373564	.1340323	.6394903	.0075430
Stddev	.000435	.0780	.0030407	.0016091	.0005024	.0003472
%RSD	23.89290	.0630072	8.139690	1.200496	.0785591	4.602593

#1	-.001513	123.7862	.0352063	.1351701	.6391351	.0072975
#2	-.002128	123.8965	.0395065	.1328945	.6398455	.0077885

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0113529	F 1201.712	.0009908	.1139814	.2443319	.1983006
Stddev	.0005705	2.665	.0001028	.0011313	.0002904	.0008787
%RSD	5.025427	.2217355	10.37018	.9924988	.1188599	.4431325

#1	.0117564	1199.828	.0010635	.1147813	.2445373	.1976792
#2	.0109495	1203.596	.0009181	.1131815	.2441266	.1989219

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		600.0000				
Low Limit		-.200000				

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	186.6573	29.87853	.3248292	636.3988	4.626579	.0107082
Stddev	.4156	.02844	.0006991	.2032	.010108	.0009877
%RSD	.2226414	.0951824	.2152301	.0319347	.2184815	9.223942

#1	186.9511	29.89864	.3243348	636.5426	4.633727	.0114066
#2	186.3634	29.85843	.3253235	636.2551	4.619432	.0100098

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

Sample Name: 500-111245-f-9-a Acquired: 5/10/2016 14:13:35 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.533140	.3029620	.1043867	.0028899	-.003072	1.923701
Stddev	.003114	.0012805	.0035769	.0003719	.003495	.004587
%RSD	.0686843	.4226499	3.426623	12.86762	113.7686	.2384335

#1	4.535342	.3020565	.1069160	.0026270	-.000601	1.926944
#2	4.530938	.3038674	.1018574	.0031529	-.005543	1.920458

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0281547	.7445323	2.705128	-.004370	.2913377	.5131261
Stddev	.0000083	.0065881	.004123	.005022	.0005307	.0013550
%RSD	.0293245	.8848637	.1524300	114.9272	.1821782	.2640642

#1	.0281488	.7398738	2.708043	-.000819	.2917130	.5121680
#2	.0281605	.7491908	2.702212	-.007922	.2909624	.5140843

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	814.3915	629.9641	6431.705	2893.447
Stddev	.2321	.3407	2.676	12.766
%RSD	.0284997	.0540746	.0416126	.4412066

#1	814.5556	629.7232	6429.813	2884.420
#2	814.2274	630.2050	6433.598	2902.474

Sample Name: 500-111245-f-10-a Acquired: 5/10/2016 14:18:51 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003471	202.2253	.0697918	.0251587	1.544936	.0107097	.0000296
Stddev	.0001733	.4651	.0024244	.0004619	.004249	.0003870	.0007380
%RSD	49.92168	.2300153	3.473807	1.835998	.2750563	3.613089	2492.497

#1	.0002246	201.8964	.0680774	.0254853	1.541932	.0104361	.0005514
#2	.0004696	202.5542	.0715061	.0248320	1.547941	.0109834	-.000492

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	55.02725	.0027313	.1549911	.2909591	.1507524	295.8193	10.88889
Stddev	.18879	.0001080	.0000127	.0006453	.0005245	.4940	.00258
%RSD	.3430885	3.953314	.0081931	.2217799	.3479038	.1670089	.0237046

#1	55.16075	.0026550	.1550001	.2905028	.1511233	296.1686	10.89071
#2	54.89376	.0028077	.1549821	.2914154	.1503816	295.4699	10.88706

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1457660	55.12179	13.56981	.0058425	3.013384	.3302188	.2056053
Stddev	.0003944	.00775	.02449	.0000220	.009475	.0012515	.0007543
%RSD	.2705912	.0140581	.1804387	.3765043	.3144319	.3789801	.3668664

#1	.1454871	55.12727	13.58713	.0058581	3.020084	.3311037	.2061387
#2	.1460449	55.11631	13.55250	.0058269	3.006685	.3293338	.2050720

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

Sample Name: 500-111245-f-10-a Acquired: 5/10/2016 14:18:51 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001959	.0010197	1.155766	.0332422	.1784314	.7092597	-.001111
Stddev	.002038	.0026617	.002472	.0005493	.0003196	.0005515	.001658
%RSD	104.0387	261.0357	.2138678	1.652326	.1791364	.0777604	149.2313

#1	-.003400	.0029018	1.157514	.0336306	.1782054	.7088698	.000061
#2	-.000518	-.000862	1.154018	.0328538	.1786574	.7096497	-.002283

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.4591156	1.258541
Stddev	.0016020	.003417
%RSD	.3489307	.2714764

#1	.4579828	1.260957
#2	.4602484	1.256125

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1032.897	878.4787	8734.205	3763.169
Stddev	.875	1.2662	4.065	3.753
%RSD	.0846973	.1441346	.0465453	.0997396

#1	1033.516	879.3740	8737.079	3760.515
#2	1032.278	877.5834	8731.330	3765.823

Sample Name: 500-111245-f-11-a Acquired: 5/10/2016 14:23:49 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001375	113.9144	.0742781	.0716099	1.212419	.0064461	.0073527
Stddev	.000054	.4090	.0026075	.0002009	.000792	.0003634	.0005641
%RSD	3.926356	.3590090	3.510406	.2806002	.0653640	5.637374	7.672185

#1	-.001413	113.6252	.0761219	.0714678	1.211859	.0061892	.0069538
#2	-.001337	114.2036	.0724344	.0717520	1.212980	.0067031	.0077515

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	496.6400	.0024756	.1111462	.1887684	.1937638	163.6783	17.37644
Stddev	3.1488	.0003616	.0003710	.0010333	.0000223	1.0031	.01331
%RSD	.6340106	14.60849	.3337652	.5474194	.0115189	.6128290	.0765896

#1	494.4135	.0022199	.1108839	.1894990	.1937796	162.9690	17.36703
#2	498.8666	.0027314	.1114085	.1880377	.1937481	164.3876	17.38585

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1220508	302.8546	8.135111	.0084364	2.073175	.2246797	.3108884
Stddev	.0001182	2.4168	.044789	.0001524	.000419	.0005608	.0047111
%RSD	.0968662	.7980120	.5505641	1.806745	.0202091	.2495826	1.515362

#1	.1219672	301.1456	8.103440	.0083287	2.072879	.2242832	.3075572
#2	.1221344	304.5635	8.166782	.0085442	2.073471	.2250763	.3142196

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

Sample Name: 500-111245-f-11-a Acquired: 5/10/2016 14:23:49 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008180	.0022901	2.200343	.0271805	.2646534	1.618607	.0004401
Stddev	.0031608	.0006709	.006539	.0002810	.0001214	.000043	.0007141
%RSD	386.3982	29.29646	.2971993	1.034024	.0458576	.0026573	162.2675

#1	.0030531	.0027645	2.204967	.0269817	.2647392	1.618577	.0009451
#2	-.001417	.0018157	2.195719	.0273792	.2645676	1.618638	-.000065

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.2936716	.8581785
Stddev	.0006709	.0022743
%RSD	.2284562	.2650166

#1	.2941460	.8565703
#2	.2931972	.8597866

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	918.6172	677.1016	6844.945	3022.309
Stddev	.5570	1.1098	1.679	2.668
%RSD	.0606388	.1639033	.0245327	.0882763

#1	919.0110	676.3169	6843.757	3020.423
#2	918.2233	677.8863	6846.132	3024.196

Sample Name: mb 500-334344/1-a Acquired: 5/10/2016 14:28:49 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000251	-.004754	-.003439	.0037961	-.000029	.0003436	-.000914
Stddev	.000267	.007644	.003222	.0002471	.000006	.0000770	.000875
%RSD	106.3752	160.8059	93.66326	6.509588	20.01488	22.40845	95.72178

#1	-.000440	.000652	-.001162	.0036214	-.000025	.0003980	-.000295
#2	-.000062	-.010159	-.005717	.0039708	-.000034	.0002892	-.001532

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0293447	-.000051	-.000292	.0000289	.0009516	-.002235	.0567532
Stddev	.0041912	.000108	.000212	.0009506	.0005009	.013244	.0050338
%RSD	14.28250	210.9955	72.52926	3287.413	52.64217	592.6032	8.869550

#1	.0323084	-.000127	-.000142	.0007011	.0005974	.007130	.0531938
#2	.0263811	.000025	-.000442	-.000643	.0013058	-.011600	.0603126

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000279	.0109347	.0002086	.0000839	.0092332	.0001260	.0007246
Stddev	.000121	.0401378	.0001533	.0002171	.0022874	.0013054	.0003260
%RSD	43.14585	367.0672	73.48883	258.6200	24.77392	1035.641	44.98982

#1	-.000194	.0393165	.0003170	-.000070	.0108506	-.000797	.0009551
#2	-.000365	-.017447	.0001002	.000237	.0076157	.001049	.0004941

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

Sample Name: mb 500-334344/1-a Acquired: 5/10/2016 14:28:49 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005622	-.001935	.0001698	.0004522	.0000469	.0004153	-.002637
Stddev	.0003436	.003451	.0009528	.0006033	.0000099	.0001479	.001230
%RSD	61.11350	178.3060	561.0226	133.4084	21.19072	35.61679	46.62822

#1	.0008052	-.004375	-.000504	.0008789	.0000399	.0003107	-.001768
#2	.0003193	.000505	.000844	.0000256	.0000539	.0005198	-.003507

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	-.000217	.0017891
Stddev	.000022	.0000270
%RSD	10.10646	1.506794

#1	-.000202	.0018082
#2	-.000233	.0017700

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1251.279	690.5058	6815.505	2822.444
Stddev	6.720	4.8291	22.444	18.331
%RSD	.5370641	.6993561	.3293069	.6494699

#1	1246.527	687.0911	6831.375	2835.406
#2	1256.031	693.9205	6799.634	2809.482

Sample Name: lcs 500-334344/2-a Acquired: 5/10/2016 14:33:03 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0479147	1.903436	.0957622	.9273344	.4804298	.0478659	.0062768
Stddev	.0006797	.012587	.0004904	.0016168	.0011288	.0001780	.0004321
%RSD	1.418500	.6612541	.5121440	.1743528	.2349649	.3719094	6.883960

#1	.0483953	1.894536	.0961090	.9284776	.4796316	.0479918	.0065824
#2	.0474341	1.912336	.0954154	.9261911	.4812281	.0477400	.0059713

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.448605	.0476315	.4821800	.1865031	.2381576	.9593909	10.26323
Stddev	.043288	.0001506	.0010391	.0007518	.0014703	.0092719	.00638
%RSD	.4581412	.3161540	.2154938	.4031174	.6173587	.9664417	.0621310

#1	9.417996	.0477380	.4814453	.1859715	.2391972	.9659471	10.25872
#2	9.479215	.0475250	.4829147	.1870347	.2371179	.9528346	10.26774

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000084	9.296461	.4650982	.9530510	10.06305	.4761589	.0976196
Stddev	.000308	.071794	.0022792	.0004077	.01252	.0009884	.0001371
%RSD	366.9494	.7722728	.4900493	.0427798	.1244060	.2075668	.1404076

#1	-.000301	9.245695	.4634865	.9527627	10.05420	.4754600	.0977165
#2	.000134	9.347227	.4667098	.9533393	10.07191	.4768577	.0975226

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

Sample Name: lcs 500-334344/2-a Acquired: 5/10/2016 14:33:03 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4793193	.0925267	4.366691	.9448387	.9404625	.9611458	.0972300
Stddev	.0001542	.0019647	.011371	.0049283	.0312764	.0020510	.0018522
%RSD	.0321725	2.123360	.2603918	.5216031	3.325644	.2133910	1.904930

#1	.4792102	.0911375	4.374731	.9413539	.9625783	.9625960	.0959204
#2	.4794283	.0939159	4.358651	.9483235	.9183467	.9596955	.0985397

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.4849794	.4704076
Stddev	.0022804	.0004956
%RSD	.4702108	.1053561

#1	.4865919	.4707580
#2	.4833669	.4700571

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1187.520	667.7483	6607.785	2792.388
Stddev	1.907	.4671	10.136	17.289
%RSD	.1605687	.0699448	.1533974	.6191622

#1	1188.868	668.0786	6614.952	2804.613
#2	1186.172	667.4181	6600.617	2780.162

Sample Name: 500-111195-a-1-a Acquired: 5/10/2016 14:37:15 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002874	2.247813	.1191826	1.962890	.0168609	-.000034	.0000065
Stddev	.0001553	.020724	.0001777	.000647	.0000373	.000008	.0012167
%RSD	54.05689	.9219664	.1491297	.0329708	.2213851	24.39794	18644.17

#1	.0003972	2.233159	.1193083	1.963348	.0168872	-.000040	-.000854
#2	.0001775	2.262467	.1190569	1.962433	.0168345	-.000028	.000867

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	43.24493	-.000133	-.000621	.0005447	.0017495	.0423948	14.17474
Stddev	.15150	.000040	.000086	.0011128	.0000433	.0749840	.00272
%RSD	.3503347	29.76649	13.91166	204.2814	2.474228	176.8707	.0192201

#1	43.13780	-.000161	-.000560	-.000242	.0017189	-.010627	14.17282
#2	43.35205	-.000105	-.000682	.001332	.0017801	.095416	14.17667

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000032	.3336754	.0001946	.0706703	105.0606	-.000888	-.001524
Stddev	.000758	.0115256	.0001714	.0001312	.1521	.001174	.000636
%RSD	2359.193	3.454122	88.06713	.1857272	.1447583	132.3138	41.75377

#1	.000504	.3418252	.0000734	.0707631	104.9530	-.000057	-.001074
#2	-.000568	.3255256	.0003159	.0705774	105.1681	-.001718	-.001974

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

Sample Name: 500-111195-a-1-a Acquired: 5/10/2016 14:37:15 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011531	.0011564	5.565994	.0015067	1.716536	.0041942	-.002700
Stddev	.0024013	.0032084	.004495	.0012546	.010777	.0000741	.000912
%RSD	208.2418	277.4399	.0807641	83.26960	.6278191	1.765839	33.76454
#1	-.000545	.0034252	5.562815	.0006195	1.708915	.0041418	-.003345
#2	.002851	-.001112	5.569173	.0023938	1.724156	.0042466	-.002056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0739913	.0019074
Stddev	.0003014	.0000647
%RSD	.4073390	3.393334
#1	.0742044	.0018616
#2	.0737782	.0019532
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1103.021	646.7527	6444.532	2755.932
Stddev	1.278	.6706	17.187	10.863
%RSD	.1158937	.1036855	.2666942	.3941576
#1	1103.925	647.2269	6456.685	2763.613
#2	1102.117	646.2785	6432.379	2748.251

Sample Name: mb 500-334731/1-a Acquired: 5/10/2016 14:49:33 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000077	.0015879	-.002316	.0002860	.0012048	-.000100	-.005838
Stddev	.000152	.0058337	.001486	.0000480	.0000606	.000010	.001613
%RSD	197.0981	367.3878	64.14922	16.78248	5.028467	9.646929	27.63060

#1	.000030	-.002537	-.001265	.0003200	.0011619	-.000106	-.006979
#2	-.000185	.005713	-.003366	.0002521	.0012476	-.000093	-.004697

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1682103	-.000058	-.000510	-.000039	.0010836	.0918981	.0341981
Stddev	.0040951	.000101	.000019	.000809	.0001340	.0006620	.0233420
%RSD	2.434492	175.1763	3.794005	2073.761	12.36430	.7203580	68.25535

#1	.1653147	-.000129	-.000496	.000533	.0011784	.0923662	.0507034
#2	.1711060	.000014	-.000523	-.000611	.0009889	.0914300	.0176928

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001751	.0313339	.0018233	.0002136	.0043744	-.000816	.0008514
Stddev	.0000772	.0016292	.0005328	.0001741	.0001249	.000003	.0008285
%RSD	44.11393	5.199413	29.22176	81.49988	2.855180	.4065618	97.30993

#1	.0002297	.0324859	.0014466	.0000905	.0042861	-.000813	.0014372
#2	.0001205	.0301819	.0022001	.0003367	.0044627	-.000818	.0002656

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

Sample Name: mb 500-334731/1-a Acquired: 5/10/2016 14:49:33 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000753	-.000808	.0192651	.0166171	.0018825	.0010875	-.004865
Stddev	.0010149	.000778	.0003589	.0000279	.0000113	.0001737	.004067
%RSD	1347.703	96.31841	1.862991	.1677072	.6003346	15.97361	83.60081

#1	.0007929	-.000258	.0190113	.0166369	.0018745	.0009647	-.001989
#2	-.000642	-.001358	.0195189	.0165974	.0018904	.0012104	-.007740

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0002318	.0014131
Stddev	.0001585	.0002814
%RSD	68.39915	19.91358

#1	.0003439	.0012142
#2	.0001197	.0016121

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1220.945	677.8970	6733.117	2804.795
Stddev	5.163	2.7531	17.769	1.768
%RSD	.4228954	.4061171	.2639045	.0630187

#1	1217.294	675.9502	6720.553	2806.045
#2	1224.596	679.8437	6745.682	2803.545

Sample Name: lcs 500-334731/2-a Acquired: 5/10/2016 14:53:47 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0476475	1.973027	.0952566	.8948083	2.016185	.0485744	.4735174
Stddev	.0007522	.018151	.0031346	.0016512	.011933	.0004378	.0023479
%RSD	1.578632	.9199678	3.290653	.1845254	.5918572	.9012883	.4958347

#1	.0481794	1.985862	.0930402	.8959758	2.024623	.0488840	.4751776
#2	.0471156	1.960192	.0974731	.8936407	2.007747	.0482648	.4718572

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.770624	.0479878	.5046058	.1989777	.2486790	1.085922	10.46591
Stddev	.072854	.0005244	.0007712	.0023163	.0003226	.073890	.09992
%RSD	.7456477	1.092679	.1528387	1.164114	.1297259	6.804372	.9546840

#1	9.822140	.0483586	.5040605	.2006156	.2489071	1.138170	10.53656
#2	9.719109	.0476170	.5051512	.1973398	.2484509	1.033674	10.39526

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5255726	9.573631	.4903370	1.018258	10.20627	.4943165	.0970867
Stddev	.0089748	.107019	.0040656	.003535	.07308	.0009496	.0045104
%RSD	1.707632	1.117850	.8291386	.3471736	.7159902	.1921015	4.645744

#1	.5319187	9.649305	.4932118	1.020758	10.25794	.4936451	.0938974
#2	.5192264	9.497957	.4874622	1.015759	10.15460	.4949880	.1002760

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

Sample Name: lcs 500-334731/2-a Acquired: 5/10/2016 14:53:47 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4774337	.0838609	3.507337	.9947508	1.000000	1.002620	.0921470
Stddev	.0007855	.0004115	.014018	.0025260	.000809	.001093	.0006950
%RSD	.1645170	.4907043	.3996896	.2539304	.0808686	.1090187	.7542265

#1	.4768783	.0841519	3.517250	.9965370	1.000572	1.003393	.0916556
#2	.4779891	.0835699	3.497425	.9929647	.999428	1.001847	.0926385

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.5146870	.4785580
Stddev	.0010410	.0001481
%RSD	.2022628	.0309488

#1	.5154231	.4784533
#2	.5139509	.4786628

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1168.879	665.1093	6602.877	2761.589
Stddev	1.439	1.9282	10.234	18.612
%RSD	.1231108	.2899088	.1549941	.6739591

#1	1169.896	663.7459	6595.640	2748.428
#2	1167.861	666.4727	6610.114	2774.749

Sample Name: 500-111280-b-1-e Acquired: 5/10/2016 14:58:01 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000594	37.55209	.0246303	.0329219	.2607440	.0024122
Stddev	.000280	.13993	.0015973	.0003237	.0015130	.0004715
%RSD	47.17597	.3726340	6.485155	.9832929	.5802512	19.54758

#1	-.000792	37.65104	.0235009	.0331508	.2618139	.0027456
#2	-.000396	37.45314	.0257598	.0326930	.2596742	.0020788

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013398	171.4475	.0012403	.0138196	.0472480	.0312121
Stddev	.0013216	.3375	.0000399	.0002473	.0003538	.0001278
%RSD	98.64604	.1968306	3.215265	1.789446	.7488995	.4094492

#1	.0022743	171.6861	.0012685	.0139945	.0474982	.0311217
#2	.0004052	171.2089	.0012121	.0136448	.0469978	.0313024

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	70.11478	5.541442	.0256349	91.55949	1.692633	.0053310
Stddev	.32191	.060527	.0004245	.21275	.001780	.0001043
%RSD	.4591226	1.092262	1.655776	.2323675	.1051803	1.956462

#1	70.34241	5.584241	.0259350	91.70993	1.693892	.0052573
#2	69.88716	5.498643	.0253348	91.40905	1.691374	.0054048

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

Sample Name: 500-111280-b-1-e Acquired: 5/10/2016 14:58:01 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8764666	.0347927	.0691048	.0046392	.0012544	F 54.75140
Stddev	.0045719	.0001698	.0000858	.0002032	.0030130	.25668
%RSD	.5216300	.4880571	.1241488	4.379430	240.1948	.4688123

#1	.8732338	.0346727	.0691655	.0044955	.0033849	54.56990
#2	.8796994	.0349128	.0690442	.0047828	-.000876	54.93290

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						50.00000
Low Limit						-.200000

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0228239	.1123245	1.358030	-.001293	.0796986	.1976241
Stddev	.0012816	.0004678	.000051	.000999	.0000576	.0009296
%RSD	5.614999	.4164575	.0037760	77.24698	.0722251	.4703856

#1	.0237301	.1126552	1.357994	-.000587	.0797393	.1969668
#2	.0219177	.1119937	1.358067	-.002000	.0796579	.1982815

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1038.141	654.3115	6529.721	2830.408
Stddev	.976	2.9845	3.111	3.946
%RSD	.0940398	.4561291	.0476401	.1393974

#1	1038.832	656.4219	6531.921	2827.618
#2	1037.451	652.2012	6527.521	2833.198

Sample Name: CCV Acquired: 5/10/2016 15:02:10 Type: QC
Method: P8051016A Mode: CONC Corr. Factor: 1.000000
User: JonesP Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4847186	48.60671	.5310717	.4983143	.4940295	.4942494
Stddev	.0004496	.09955	.0068686	.0113698	.0003282	.0007620
%RSD	.0927450	.2048089	1.293347	2.281659	.0664351	.1541730

#1	.4844007	48.67710	.5262149	.4902746	.4942615	.4937106
#2	.4850364	48.53632	.5359285	.5063540	.4937974	.4947882

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5039266	23.89854	.5010234	.5217263	.4878261	.4923723
Stddev	.0127437	.04613	.0094841	.0097801	.0003907	.0000893
%RSD	2.528888	.1930082	1.892950	1.874570	.0800911	.0181450

#1	.4949154	23.93116	.4943171	.5148107	.4881023	.4923091
#2	.5129378	23.86592	.5077296	.5286419	.4875498	.4924355

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.29937	F 56.77406	4.065772	24.12866	4.765557	.5003484
Stddev	.12513	.02058	.010945	.00230	.008189	.0108805
%RSD	.5149391	.0362573	.2692041	.0095129	.1718428	2.174594

#1	24.38784	56.75951	4.058032	24.13028	4.771348	.4926547
#2	24.21089	56.78862	4.073511	24.12704	4.759766	.5080421

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		50.00000				
Range		10.00000%				

Sample Name: CCV Acquired: 5/10/2016 15:02:10 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.01840	.5173011	.5194180	.4973437	.4970942	.4575470
Stddev	.01815	.0122925	.0085561	.0104717	.0095922	.0111296
%RSD	.0725286	2.376285	1.647255	2.105522	1.929653	2.432457

#1	25.00557	.5086089	.5133679	.4899391	.4903115	.4496771
#2	25.03123	.5259932	.5254681	.5047483	.5038769	.4654168

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5200901	.4976101	.4929627	.5106397	5.045018	.5206174
Stddev	.0112875	.0003628	.0013357	.0115549	.014152	.0132380
%RSD	2.170299	.0729028	.2709636	2.262830	.2805053	2.542750

#1	.5121086	.4978666	.4939072	.5024691	5.055025	.5112567
#2	.5280715	.4973536	.4920182	.5188102	5.035012	.5299781

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1089.791	652.2383	6489.472	2780.462
Stddev	19.889	11.8392	6.976	4.125
%RSD	1.825041	1.815166	.1074941	.1483514

#1	1103.854	660.6099	6484.539	2783.379
#2	1075.727	643.8668	6494.404	2777.546

Sample Name: CCB Acquired: 5/10/2016 15:06:15 Type: QC

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000229	-.004758	-.000264	.0007406	-.000166	-.000017	-.000329
Stddev	.000613	.009957	.002633	.0004431	.000060	.000315	.001131
%RSD	267.9599	209.2788	998.7588	59.83540	36.43692	1898.900	343.3115

#1	-.000662	.002283	-.002125	.0010539	-.000208	.000206	.000470
#2	.000205	-.011799	.001598	.0004272	-.000123	-.000239	-.001129

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003327	-.000257	.0002742	-.000038	.0007904	-.024800	.0501263
Stddev	.001058	.000093	.0002090	.000629	.0001700	.008328	.0074348
%RSD	31.79672	36.04547	76.21983	1646.332	21.50222	33.57919	14.83211

#1	-.004075	-.000192	.0001264	.000407	.0006702	-.030689	.0553835
#2	-.002579	-.000323	.0004220	-.000483	.0009106	-.018911	.0448691

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000374	-.005568	.0000407	.0000911	-.004085	.0000311	.0005489
Stddev	.000352	.008175	.0008011	.0005806	.002711	.0018626	.0002186
%RSD	94.17320	146.8205	1969.565	637.0995	66.37982	5997.621	39.83212

#1	-.000125	-.011348	-.000526	.0005017	-.002167	.0013481	.0003943
#2	-.000623	.000213	.000607	-.000319	-.006002	-.001286	.0007035

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

Sample Name: CCB Acquired: 5/10/2016 15:06:15 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000114	-.000627	.0047021	-.000294	-.000013	.0002533	-.001708
Stddev	.000979	.002506	.0011543	.001708	.000005	.0000582	.002017
%RSD	859.4219	399.8881	24.54860	581.6092	37.48066	22.96728	118.0694
#1	.000578	-.002399	.0038859	.000914	-.000010	.0002122	-.000282
#2	-.000806	.001146	.0055183	-.001501	-.000017	.0002945	-.003134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0001535	.0000620
Stddev	.0001990	.0005661
%RSD	129.6894	913.6082
#1	.0000127	.0004623
#2	.0002942	-.000338
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1233.170	680.8859	6713.958	2791.839
Stddev	4.578	1.7225	5.815	1.826
%RSD	.3712151	.2529843	.0866131	.0654216
#1	1236.407	682.1040	6718.070	2790.547
#2	1229.933	679.6679	6709.846	2793.130

Sample Name: 111195-a-1-a SD@5 Acquired: 5/10/2016 15:09:39 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000509	.4550328	.0239398	.4003631	.0032474	.0001265	.0009649
Stddev	.000099	.0064465	.0032756	.0012311	.0000427	.0000931	.0001064
%RSD	19.44729	1.416720	13.68271	.3075068	1.315413	73.59023	11.03137

#1	-.000579	.4595912	.0262560	.4012336	.0032172	.0001924	.0008896
#2	-.000439	.4504744	.0216236	.3994925	.0032776	.0000607	.0010401

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.651602	-.000311	.0001539	-.000308	.0012099	-.019254	2.843926
Stddev	.027261	.000168	.0003400	.000107	.0000364	.029596	.009027
%RSD	.3151003	54.18937	220.9912	34.77374	3.006413	153.7171	.3174015

#1	8.670879	-.000430	-.000087	-.000383	.0012356	-.040181	2.850309
#2	8.632326	-.000192	.000394	-.000232	.0011842	.001674	2.837544

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001358	.1013547	.0003100	.0136958	20.62605	.0002546	-.000956
Stddev	.0000008	.0043277	.0009459	.0000930	.02790	.0002176	.000587
%RSD	.5798915	4.269894	305.1203	.6789240	.1352691	85.46886	61.43844

#1	.0001363	.0982945	-.000359	.0137616	20.64578	.0001007	-.000541
#2	.0001352	.1044149	.000979	.0136300	20.60633	.0004085	-.001371

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

Sample Name: 111195-a-1-a SD@5 Acquired: 5/10/2016 15:09:39 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001682	.0011830	1.096248	-.000992	.3496349	.0015972	-.000465
Stddev	.000131	.0039608	.000935	.001003	.0000228	.0000562	.001282
%RSD	7.763675	334.7980	.0852891	101.0160	.0065271	3.521647	275.5151
#1	-.001774	-.001618	1.095587	-.000284	.3496187	.0016369	.000441
#2	-.001589	.003984	1.096909	-.001701	.3496510	.0015574	-.001372
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0150341	.0009671
Stddev	.0004898	.0003165
%RSD	3.258146	32.73234
#1	.0153804	.0007432
#2	.0146877	.0011909
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1191.413	667.1166	6619.000	2799.858
Stddev	1.164	.5635	2.210	6.264
%RSD	.0977048	.0844629	.0333861	.2237162
#1	1192.236	666.7182	6620.562	2795.429
#2	1190.590	667.5150	6617.437	2804.287

Sample Name: 500-111195-a-1-b du Acquired: 5/10/2016 15:13:52 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001457	2.132185	.1131921	1.842049	.0157791	.0002432	-.000716
Stddev	.0001337	.007938	.0002118	.028924	.0001964	.0002526	.000227
%RSD	91.75174	.3723055	.1870876	1.570188	1.244886	103.8714	31.69516

#1	.0000512	2.126572	.1130424	1.862501	.0156402	.0004218	-.000877
#2	.0002403	2.137798	.1133419	1.821596	.0159180	.0000646	-.000556

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.85866	-.000373	-.000172	.0009366	.0022278	.0206189	13.43623
Stddev	.12516	.000162	.000032	.0010210	.0001197	.0421483	.07925
%RSD	.3063347	43.49291	18.69216	109.0116	5.373594	204.4154	.5898285

#1	40.77016	-.000259	-.000149	.0016585	.0023125	.0504223	13.38019
#2	40.94717	-.000488	-.000195	.0002146	.0021432	-.009184	13.49227

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003694	.3138337	.0006088	.0659123	98.40167	.0005249	.0006491
Stddev	.0002995	.0140276	.0006245	.0015956	.75318	.0002749	.0048944
%RSD	81.07707	4.469743	102.5761	2.420839	.7654183	52.37079	754.0318

#1	.0005812	.3039147	.0010503	.0670406	97.86909	.0003305	-.002812
#2	.0001576	.3237527	.0001672	.0647840	98.93426	.0007193	.004110

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

Sample Name: 500-111195-a-1-b du Acquired: 5/10/2016 15:13:52 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008756	.0019041	5.221921	.0005252	1.620599	.0037648	-.000979
Stddev	.0004413	.0011591	.088777	.0031604	.011179	.0000278	.001530
%RSD	50.39639	60.87456	1.700077	601.7452	.6898320	.7392698	156.2883

#1	.0011877	.0027237	5.284695	.0027599	1.628504	.0037451	-.002061
#2	.0005636	.0010845	5.159146	-.001710	1.612694	.0037845	.000103

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0714433	.0020872
Stddev	.0009535	.0000955
%RSD	1.334692	4.575298

#1	.0707690	.0021547
#2	.0721175	.0020197

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1110.381	651.2354	6423.261	2766.494
Stddev	14.729	9.1740	9.049	24.444
%RSD	1.326516	1.408706	.1408820	.8835881

#1	1099.966	644.7484	6416.862	2783.778
#2	1120.797	657.7224	6429.660	2749.209

Sample Name: 500-111195-a-1-c ms Acquired: 5/10/2016 15:18:10 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0490220	4.283426	.2264886	2.965704	.5106949	.0496578
Stddev	.0001617	.026262	.0013873	.002473	.0008189	.0006369
%RSD	.3299054	.6131166	.6125356	.0833760	.1603527	1.282527

#1	.0491363	4.264856	.2274696	2.967452	.5101158	.0492074
#2	.0489076	4.301997	.2255076	2.963955	.5112739	.0501081

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0038673	53.42550	.0492293	.5133177	.1911709	.2497764
Stddev	.0000102	.23711	.0002095	.0004605	.0009097	.0015941
%RSD	.2633475	.4438169	.4255387	.0897082	.4758290	.6382208

#1	.0038600	53.59316	.0493774	.5136433	.1918141	.2509036
#2	.0038745	53.25784	.0490811	.5129921	.1905277	.2486492

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.014643	25.15063	.0000827	9.748559	.4738635	1.066201
Stddev	.138987	.04989	.0003920	.020800	.0011031	.001706
%RSD	13.69810	.1983785	473.9614	.2133682	.2327916	.1600332

#1	.916364	25.11535	-.000194	9.733851	.4746435	1.067407
#2	1.112921	25.18591	.000360	9.763267	.4730834	1.064994

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

Sample Name: 500-111195-a-1-c ms Acquired: 5/10/2016 15:18:10 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	116.7044	.5023145	.0997643	.5014108	.0833286	10.19483
Stddev	.2811	.0022188	.0003151	.0014114	.0025666	.00698
%RSD	.2408546	.4417157	.3158380	.2814824	3.080061	.0684619

#1	116.5057	.5038834	.0995415	.5024088	.0851435	10.18989
#2	116.9032	.5007456	.0999871	.5004128	.0815138	10.19976

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9996804	F 2.670180	.9914093	.0999368	.5822136	.4996810
Stddev	.0000338	.006563	.0036785	.0014086	.0014627	.0008873
%RSD	.0033800	.2458075	.3710396	1.409472	.2512308	.1775729

#1	.9997043	2.674821	.9940104	.1009328	.5811793	.5003085
#2	.9996565	2.665539	.9888082	.0989408	.5832479	.4990536

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.000000				
Low Limit		-.005000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1073.132	633.7784	6334.137	2741.888
Stddev	.985	.4924	14.881	4.549
%RSD	.0918036	.0776944	.2349391	.1658966

#1	1072.435	633.4303	6323.615	2738.671
#2	1073.829	634.1266	6344.660	2745.104

Sample Name: 500-111195-a-1-d msd Acquired: 5/10/2016 15:22:24 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0487032	4.108061	.2317421	2.977920	.4895313	.0477002
Stddev	.0000216	.348861	.0053757	.019245	.0432450	.0044966
%RSD	.0443315	8.492113	2.319692	.6462570	8.833954	9.426756

#1	.0486879	4.354743	.2279409	2.964311	.5201101	.0508798
#2	.0487184	3.861379	.2355433	2.991528	.4589525	.0445206

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046576	51.43028	.0496960	.5173325	.1928806	.2494243
Stddev	.0020096	4.38120	.0005309	.0009138	.0006040	.0008235
%RSD	43.14602	8.518715	1.068290	.1766315	.3131298	.3301635

#1	.0032366	54.52826	.0493205	.5166863	.1924535	.2500066
#2	.0060785	48.33231	.0500714	.5179786	.1933076	.2488420

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9922751	24.27398	.0000092	9.407017	.4568836	1.071706
Stddev	.0626910	1.99644	.0002016	.839256	.0428182	.006474
%RSD	6.317902	8.224600	2182.494	8.921595	9.371795	.6041116

#1	1.036604	25.68567	-.000133	10.00046	.4871606	1.067128
#2	.947946	22.86228	.000152	8.81357	.4266065	1.076284

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

Sample Name: 500-111195-a-1-d msd Acquired: 5/10/2016 15:22:24 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	112.1696	.5087837	.1038696	.5053447	.0860524	10.23139
Stddev	10.1678	.0021065	.0000314	.0046055	.0054045	.09529
%RSD	9.064635	.4140244	.0302449	.9113639	6.280439	.9313159

#1	119.3593	.5072942	.1038474	.5020881	.0822308	10.16401
#2	104.9799	.5102733	.1038918	.5086013	.0898739	10.29877

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

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.010403	F 2.658594	.9943855	.0986587	.5853228	.5057750
Stddev	.007668	.017732	.0001084	.0041138	.0014709	.0020901
%RSD	.7589035	.6669802	.0109009	4.169697	.2513020	.4132452

#1	1.004980	2.671132	.9944622	.0957499	.5842827	.5042971
#2	1.015825	2.646055	.9943089	.1015676	.5863629	.5072529

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.000000				
Low Limit		-.005000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1071.850	635.8730	6345.321	2845.804
Stddev	4.332	4.7006	4.534	191.135
%RSD	.4041712	.7392383	.0714548	6.716389

#1	1074.914	639.1968	6342.115	2710.651
#2	1068.787	632.5491	6348.527	2980.957

Sample Name: CCV Acquired: 5/10/2016 15:26:37 Type: QC
Method: P8051016A Mode: CONC Corr. Factor: 1.000000
User: JonesP Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4839960	48.50557	.5303060	.5007802	.4961998	.4928742
Stddev	.0010868	.00171	.0056251	.0002558	.0016131	.0013488
%RSD	.2245511	.0035257	1.060726	.0510777	.3250870	.2736565
#1	.4832275	48.50436	.5263284	.5005993	.4950592	.4919205
#2	.4847645	48.50678	.5342835	.5009611	.4973405	.4938279
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5002639	23.67320	.4953545	.5148502	.4885422	.4954285
Stddev	.0018831	.14159	.0015329	.0000279	.0007134	.0012590
%RSD	.3764249	.5980935	.3094661	.0054258	.1460255	.2541217
#1	.4989323	23.57309	.4942706	.5148305	.4880377	.4945383
#2	.5015955	23.77332	.4964385	.5148700	.4890466	.4963188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.09927	F 56.83525	4.085178	23.91687	4.731414	.4965241
Stddev	.27776	.14674	.014844	.03493	.018991	.0027575
%RSD	1.152578	.2581813	.3633718	.1460573	.4013898	.5553591
#1	23.90286	56.73149	4.074682	23.89217	4.717985	.4945742
#2	24.29567	56.93901	4.095675	23.94157	4.744843	.4984739
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		50.00000				
Range		10.00000%				

Sample Name: CCV Acquired: 5/10/2016 15:26:37 Type: QC
Method: P8051016A Mode: CONC Corr. Factor: 1.000000
User: JonesP Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.10930	.5086718	.5171654	.4931349	.4962343	.4573127
Stddev	.07253	.0029709	.0036046	.0045974	.0036414	.0021620
%RSD	.2888743	.5840461	.6969961	.9322877	.7338017	.4727611

#1	25.05801	.5065710	.5197143	.4898840	.4988091	.4588414
#2	25.16059	.5107725	.5146165	.4963858	.4936594	.4557839

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5143092	.5005695	.4936921	.5048698	5.060426	.5084055
Stddev	.0009966	.0000957	.0002134	.0032947	.013086	.0007515
%RSD	.1937700	.0191095	.0432329	.6525863	.2585987	.1478095

#1	.5150139	.5005019	.4935412	.5071995	5.069680	.5078741
#2	.5136045	.5006371	.4938430	.5025401	5.051173	.5089368

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1084.898	647.3920	6391.586	2764.178
Stddev	.650	.8206	9.537	4.752
%RSD	.0599023	.1267486	.1492117	.1719273

#1	1084.438	646.8118	6384.842	2767.538
#2	1085.357	647.9723	6398.330	2760.818

Sample Name: CCB Acquired: 5/10/2016 15:30:42 Type: QC

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000121	-.007634	-.001355	.0039004	-.000130	.0000283	-.000761
Stddev	.000205	.017521	.000016	.0005647	.000005	.0002221	.002100
%RSD	168.5445	229.5029	1.183163	14.47794	3.519168	783.9132	276.0578

#1	.000023	-.020023	-.001344	.0042997	-.000134	-.000129	-.002245
#2	-.000266	.004755	-.001367	.0035011	-.000127	.000185	.000724

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001876	-.000186	.0000925	-.000025	.0011181	.0118951	.0452212
Stddev	.005809	.000115	.0002678	.000482	.0000561	.0404945	.0114189
%RSD	309.7016	61.56373	289.4486	1902.655	5.016825	340.4287	25.25117

#1	.002232	-.000267	.0002819	.000315	.0011577	.0405291	.0371468
#2	-.005984	-.000105	-.000097	-.000366	.0010784	-.016739	.0532955

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000043	.0106796	.0000305	-.000077	-.002569	-.000001	.0015920
Stddev	.000210	.0033516	.0004228	.000335	.003741	.001095	.0003174
%RSD	494.0416	31.38344	1384.087	435.8588	145.6230	76545.51	19.94127

#1	.000106	.0083097	-.000268	.000160	.000076	-.000776	.0018164
#2	-.000191	.0130496	.000330	-.000314	-.005214	.000773	.0013675

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

Sample Name: CCB Acquired: 5/10/2016 15:30:42 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032103	-.001328	.0041183	.0003796	.0000034	.0002486	-.000800
Stddev	.0012985	.001201	.0004438	.0001676	.0000056	.0002961	.000377
%RSD	40.44834	90.42212	10.77510	44.14338	167.5405	119.1285	47.15442
#1	.0022921	-.002177	.0044321	.0004981	.0000073	.0000392	-.000533
#2	.0041285	-.000479	.0038045	.0002611	-.000001	.0004580	-.001066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0004143	-.000032
Stddev	.0001113	.000014
%RSD	26.85795	41.93417
#1	.0003357	-.000023
#2	.0004930	-.000042
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1226.262	674.5686	6699.253	2798.390
Stddev	.186	1.4654	9.937	10.591
%RSD	.0151419	.2172410	.1483368	.3784514
#1	1226.131	675.6048	6692.226	2790.901
#2	1226.393	673.5324	6706.280	2805.878

Sample Name: 500-111195-a-2-a Acquired: 5/10/2016 15:34:07 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000052	.0994661	.0089991	3.355519	.0181314	.0002541	-.000737
Stddev	.0008634	.0179515	.0019085	.010998	.0001804	.0002094	.000680
%RSD	16455.49	18.04784	21.20730	.3277710	.9951172	82.40836	92.27062

#1	.0006158	.1121597	.0103486	3.347742	.0180038	.0004021	-.000256
#2	-.000605	.0867724	.0076496	3.363296	.0182590	.0001060	-.001219

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	33.06137	-.000293	-.000288	.0007337	.0023049	.0570612	7.980959
Stddev	.41304	.000177	.000241	.0005095	.0004042	.0403826	.063124
%RSD	1.249319	60.41087	83.47922	69.44852	17.53578	70.77080	.7909367

#1	32.76931	-.000168	-.000459	.0003734	.0025906	.0285063	7.936324
#2	33.35344	-.000418	-.000118	.0010939	.0020191	.0856160	8.025595

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0041177	3.361560	.0371685	.0706186	95.04015	.0007500	.0004659
Stddev	.0001763	.088592	.0004993	.0002359	.53513	.0001932	.0006556
%RSD	4.280775	2.635458	1.343402	.3340844	.5630561	25.75969	140.7310

#1	.0039930	3.298915	.0368154	.0704518	94.66175	.0008866	.0009294
#2	.0042423	3.424204	.0375216	.0707854	95.41854	.0006134	.0000023

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

Sample Name: 500-111195-a-2-a Acquired: 5/10/2016 15:34:07 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007934	.0026833	3.180032	-.000634	.6257826	.0035397	-.001360
Stddev	.0011514	.0001552	.009719	.001165	.0046755	.0002488	.000817
%RSD	145.1178	5.783388	.3056345	183.7568	.7471458	7.029257	60.08639

#1	-.000021	.0027930	3.173160	-.001458	.6224765	.0037157	-.000782
#2	.001608	.0025736	3.186905	.000190	.6290887	.0033638	-.001938

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0007187	.0020132
Stddev	.0001997	.0001708
%RSD	27.77976	8.481421

#1	.0005775	.0018925
#2	.0008599	.0021339

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1104.848	643.1222	6441.907	2753.433
Stddev	3.601	2.5969	35.686	20.666
%RSD	.3259459	.4037885	.5539703	.7505401

#1	1107.395	644.9585	6467.141	2768.046
#2	1102.302	641.2860	6416.673	2738.820

Sample Name: 500-111195-a-3-a Acquired: 5/10/2016 15:38:22 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003884	3.463344	.0060229	2.392923	.0104197	.0000353	-.001224
Stddev	.0001561	.003020	.0024404	.004570	.0000222	.0002113	.001235
%RSD	40.18463	.0871851	40.51898	.1909607	.2125545	597.8853	100.9000

#1	.0004988	3.461209	.0042973	2.389692	.0104354	.0001848	-.002096
#2	.0002780	3.465479	.0077486	2.396154	.0104041	-.000114	-.000351

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.78988	-.000104	-.000397	.0002474	.0026161	.0077933	6.780809
Stddev	.31307	.000080	.000272	.0000172	.0001549	.0243428	.013690
%RSD	.7868107	76.57447	68.43840	6.965034	5.921919	312.3566	.2018907

#1	40.01125	-.000048	-.000205	.0002596	.0025066	.0250063	6.771129
#2	39.56851	-.000161	-.000590	.0002352	.0027257	-.009420	6.790489

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000356	2.363855	.0061493	.0608807	97.52295	.0002158	.0006100
Stddev	.000389	.039056	.0001960	.0000593	.04414	.0001533	.0030511
%RSD	109.2720	1.652236	3.187438	.0973451	.0452606	71.03118	500.1870

#1	-.000631	2.336238	.0062879	.0609226	97.49174	.0003242	.0027674
#2	-.000081	2.391472	.0060107	.0608388	97.55416	.0001074	-.001547

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

Sample Name: 500-111195-a-3-a Acquired: 5/10/2016 15:38:22 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015661	.0005824	1.133565	.0011673	1.350051	.0066101	-.001670
Stddev	.0002901	.0000630	.003843	.0005269	.004874	.0000322	.000545
%RSD	18.52611	10.81004	.3389807	45.13609	.3609870	.4865499	32.65754

#1	.0013609	.0006269	1.130848	.0015399	1.353497	.0065874	-.001285
#2	.0017712	.0005379	1.136283	.0007948	1.346605	.0066329	-.002056

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0222841	.0022832
Stddev	.0008146	.0003035
%RSD	3.655676	13.29377

#1	.0228601	.0020686
#2	.0217081	.0024978

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1098.411	645.2014	6429.328	2781.227
Stddev	.136	1.1462	4.782	11.786
%RSD	.0123532	.1776521	.0743786	.4237711

#1	1098.315	646.0119	6425.947	2772.893
#2	1098.507	644.3909	6432.709	2789.561

Sample Name: 500-111195-a-4-a Acquired: 5/10/2016 15:42:40 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002059	.0010555	.0095936	1.572211	.0170599	.0001637	-.002035
Stddev	.0008449	.0308379	.0008305	.004374	.0000718	.0001381	.000988
%RSD	410.3044	2921.700	8.656477	.2781832	.4207210	84.39109	48.58045

#1	-.000392	.0228611	.0090063	1.569119	.0170092	.0000660	-.002734
#2	.000803	-.020750	.0101808	1.575304	.0171107	.0002613	-.001336

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	42.50942	-.000369	-.000199	.0003954	.0021496	.0372910	5.725499
Stddev	.01756	.000047	.000198	.0002023	.0002914	.0140344	.013702
%RSD	.0413030	12.71103	99.74318	51.16214	13.55432	37.63479	.2393228

#1	42.52184	-.000336	-.000339	.0002523	.0019436	.0273672	5.735188
#2	42.49701	-.000403	-.000059	.0005384	.0023557	.0472149	5.715810

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023990	5.766617	.0235084	.0479692	51.19191	-.000012	-.000320
Stddev	.0003961	.031274	.0000088	.0003668	.14577	.000364	.001619
%RSD	16.51121	.5423344	.0374814	.7646364	.2847563	3163.718	505.9753

#1	.0021189	5.744503	.0235146	.0477099	51.29499	-.000269	-.001464
#2	.0026791	5.788731	.0235022	.0482286	51.08883	.000246	.000825

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

Sample Name: 500-111195-a-4-a Acquired: 5/10/2016 15:42:40 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001090	.0005782	2.577811	.0008856	1.440314	.0037255	-.004701
Stddev	.001135	.0019552	.003884	.0001803	.003294	.0000763	.000902
%RSD	104.1193	338.1401	.1506753	20.36185	.2287263	2.048134	19.18892

#1	-.000288	.0019608	2.575065	.0010132	1.442643	.0036716	-.004063
#2	-.001893	-.000804	2.580558	.0007581	1.437984	.0037795	-.005339

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0022475	.0020734
Stddev	.0004880	.0006654
%RSD	21.71262	32.09327

#1	.0019025	.0016029
#2	.0025926	.0025439

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1125.081	646.7815	6471.343	2785.300
Stddev	1.396	1.4097	7.055	9.187
%RSD	.1240948	.2179617	.1090174	.3298464

#1	1126.069	647.7783	6466.355	2778.804
#2	1124.094	645.7847	6476.332	2791.797

Sample Name: 500-111195-a-5-a Acquired: 5/10/2016 15:46:57 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001104	.0253047	.0018157	29.99817	.0253316	-.000274	-.003015
Stddev	.000187	.0186880	.0006163	.01053	.0002800	.000131	.000881
%RSD	16.92355	73.85180	33.94167	.0350973	1.105179	47.70778	29.21782

#1	-.000972	.0120903	.0022515	29.99072	.0255296	-.000181	-.002392
#2	-.001236	.0385191	.0013799	30.00561	.0251337	-.000366	-.003638

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	301.4368	-.000656	-.000459	.0022567	.0041050	1.193278	22.38844
Stddev	.2236	.000156	.000112	.0004219	.0005608	.060073	.08617
%RSD	.0741729	23.84602	24.36737	18.69613	13.66161	5.034300	.3848638

#1	301.5949	-.000545	-.000380	.0019583	.0045016	1.150800	22.44937
#2	301.2787	-.000766	-.000539	.0025550	.0037085	1.235756	22.32751

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0843674	23.51409	.0911054	.6789446	470.7502	.0036443	-.001225
Stddev	.0002156	.09454	.0002070	.0016798	6.8793	.0011493	.001018
%RSD	.2555916	.4020383	.2271602	.2474190	1.461343	31.53705	83.11137

#1	.0842149	23.58093	.0912517	.6777568	475.6146	.0044570	-.001945
#2	.0845199	23.44724	.0909590	.6801324	465.8858	.0028316	-.000505

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

Sample Name: 500-111195-a-5-a Acquired: 5/10/2016 15:46:57 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001194	.0256461	7.293881	.0002739	1.913617	.0030513	-.003953
Stddev	.002561	.0034922	.013716	.0004794	.009291	.0001089	.003937
%RSD	214.4699	13.61699	.1880449	175.0064	.4855091	3.567408	99.58048

#1	.000617	.0281155	7.284182	.0006129	1.920186	.0031282	-.006737
#2	-.003005	.0231767	7.303579	-.000065	1.907047	.0029743	-.001170

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0034836	.0020976
Stddev	.0000197	.0005531
%RSD	.5653547	26.36845

#1	.0034696	.0017065
#2	.0034975	.0024887

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	946.0378	594.8533	5914.180	2620.393
Stddev	5.3121	.7949	7.867	5.337
%RSD	.5615151	.1336349	.1330199	.2036893

#1	942.2816	594.2913	5908.617	2616.619
#2	949.7941	595.4155	5919.743	2624.167

Sample Name: 500-111195-a-6-a Acquired: 5/10/2016 15:52:19 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000011	.0160155	.5520612	4.953392	.0373391	-.000020	-.001286
Stddev	.000368	.0084461	.0027523	.004366	.0001719	.000117	.002361
%RSD	3282.842	52.73724	.4985567	.0881366	.4602749	592.3745	183.6201

#1	-.000272	.0100432	.5540074	4.956479	.0372176	.000063	-.002955
#2	.000249	.0219878	.5501150	4.950305	.0374606	-.000103	.000384

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	131.6626	-.000567	.0003104	.0019483	.0027786	2.858798	13.24015
Stddev	.3845	.000111	.0002480	.0005593	.0001296	.072106	.01774
%RSD	.2920123	19.54828	79.88695	28.70831	4.664419	2.522248	.1339897

#1	131.3908	-.000488	.0001351	.0023437	.0028703	2.909785	13.22761
#2	131.9345	-.000645	.0004858	.0015528	.0026870	2.807811	13.25269

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0574120	36.28188	.2096865	.0003126	157.3441	.0011076	.0012553
Stddev	.0001235	.03964	.0011900	.0003277	.6867	.0020075	.0000173
%RSD	.2150435	.1092478	.5675344	104.8184	.4364089	181.2413	1.376814

#1	.0574993	36.30991	.2088450	.0000809	157.8297	.0025271	.0012675
#2	.0573247	36.25385	.2105280	.0005443	156.8586	-.000312	.0012430

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

Sample Name: 500-111195-a-6-a Acquired: 5/10/2016 15:52:19 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005521	.0002766	9.070980	-.000150	1.169409	.0040219	-.002689
Stddev	.0006132	.0036652	.008599	.001628	.000711	.0001702	.001270
%RSD	111.0737	1325.171	.0947980	1084.222	.0607944	4.232901	47.23161

#1	.0001185	-.002315	9.077061	-.001301	1.168906	.0039015	-.003587
#2	.0009858	.002868	9.064900	.001001	1.169911	.0041423	-.001791

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0015401	.0009840
Stddev	.0001256	.0004099
%RSD	8.155390	41.65805

#1	.0014513	.0012739
#2	.0016289	.0006942

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1031.317	619.5898	6228.546	2694.961
Stddev	.903	1.3475	22.033	8.356
%RSD	.0875737	.2174846	.3537470	.3100579

#1	1030.678	618.6370	6212.966	2700.870
#2	1031.955	620.5426	6244.126	2689.053

Sample Name: 500-111195-a-7-a Acquired: 5/10/2016 15:56:40 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000574	-.000342	.3871674	1.113739	.0550993	.0002874	-.001696
Stddev	.000191	.027130	.0052333	.010500	.0001303	.0002632	.000604
%RSD	33.25525	7924.944	1.351701	.9427618	.2364192	91.59086	35.60328

#1	-.000709	.018841	.3834668	1.106314	.0551914	.0001012	-.002123
#2	-.000439	-.019526	.3908679	1.121163	.0550071	.0004734	-.001269

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	161.8973	-.000272	.0011342	.0174729	.0032866	2.557729	5.748475
Stddev	.6310	.000310	.0002751	.0009561	.0000855	.073665	.041408
%RSD	.3897236	113.9013	24.25603	5.471725	2.602325	2.880097	.7203324

#1	162.3435	-.000492	.0009397	.0181490	.0032261	2.609818	5.777755
#2	161.4512	-.000053	.0013288	.0167969	.0033471	2.505640	5.719195

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0221086	48.52591	.0986713	.0039476	105.5443	.0017644	-.000767
Stddev	.0000618	.30432	.0015006	.0003751	.0953	.0022198	.000191
%RSD	.2797613	.6271351	1.520766	9.502515	.0902678	125.8090	24.90742

#1	.0221523	48.74110	.0997323	.0036823	105.6117	.0033340	-.000632
#2	.0220648	48.31072	.0976102	.0042128	105.4769	.0001948	-.000902

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

Sample Name: 500-111195-a-7-a Acquired: 5/10/2016 15:56:40 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0030405	-.000878	10.18127	-.000612	.8730722	.0032800	.0000243
Stddev	.0007016	.000754	.08213	.000251	.0019507	.0000406	.0019256
%RSD	23.07570	85.85626	.8066645	41.09177	.2234256	1.236993	7917.533

#1	.0025444	-.001411	10.12320	-.000434	.8716929	.0032513	-.001337
#2	.0035367	-.000345	10.23935	-.000789	.8744515	.0033087	.001386

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0012738	.0092728
Stddev	.0011085	.0002726
%RSD	87.01903	2.939527

#1	.0004900	.0090800
#2	.0020576	.0094655

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1034.381	616.4646	6194.596	2710.290
Stddev	6.544	5.4318	23.338	15.546
%RSD	.6326745	.8811136	.3767453	.5736046

#1	1039.008	620.3054	6211.099	2699.298
#2	1029.753	612.6237	6178.094	2721.283

Sample Name: 500-111195-a-8-a Acquired: 5/10/2016 16:00:56 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000022	.0265050	.0007046	4.725166	.0530043	.0004298
Stddev	.000380	.0070307	.0038286	.011839	.0002325	.0003274
%RSD	1708.842	26.52601	543.3621	.2505618	.4386236	76.19264

#1	-.000291	.0215335	.0034119	4.733538	.0531687	.0001982
#2	.000246	.0314765	-.002003	4.716795	.0528399	.0006613

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025834	248.9995	.0003826	-.000786	.0010686	.0033224
Stddev	.0033762	.8690	.0002461	.000822	.0000830	.0001026
%RSD	130.6865	.3489852	64.32576	104.5763	7.771180	3.088269

#1	.0049708	249.6139	.0005565	-.000205	.0010099	.0033949
#2	.0001961	248.3850	.0002086	-.001367	.0011273	.0032498

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0226170	16.30548	.0231900	41.95348	.5342394	.0144387
Stddev	.0097830	.06628	.0008774	.15397	.0033248	.0002518
%RSD	43.25523	.4065174	3.783633	.3670130	.6223417	1.743665

#1	.0295346	16.25861	.0238105	42.06235	.5365904	.0142607
#2	.0156993	16.35235	.0225696	41.84460	.5318884	.0146167

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

Sample Name: 500-111195-a-8-a Acquired: 5/10/2016 16:00:56 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	182.8804	.0144668	.0021774	.0007651	-.000080	5.641293
Stddev	.1309	.0009271	.0014128	.0020236	.002655	.010296
%RSD	.0715761	6.408612	64.88703	264.4807	3304.325	.1825183

#1	182.9730	.0138112	.0031764	.0021960	-.001958	5.648574
#2	182.7878	.0151223	.0011784	-.000666	.001797	5.634012

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009451	F 3.350815	.0031021	-.000937	.0034656	.0633963
Stddev	.0003192	.002023	.0000509	.000875	.0008129	.0000018
%RSD	33.77991	.0603757	1.641973	93.46437	23.45662	.0028334

#1	.0007194	3.352246	.0030661	-.001556	.0040404	.0633950
#2	.0011709	3.349385	.0031382	-.000318	.0028908	.0633975

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.000000				
Low Limit		-.005000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	996.7572	608.1373	6108.962	2676.860
Stddev	1.0018	.7852	1.665	6.642
%RSD	.1005018	.1291111	.0272632	.2481259

#1	997.4656	607.5821	6110.140	2672.163
#2	996.0489	608.6925	6107.785	2681.557

Sample Name: 500-111195-a-9-a Acquired: 5/10/2016 16:05:18 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000071	2.283430	.1266773	2.048449	.0169826	.0002481	-.001435
Stddev	.000261	.030588	.0001517	.002675	.0001128	.0001879	.000803
%RSD	365.4205	1.339559	.1197578	.1305750	.6644444	75.75302	55.91788

#1	.000113	2.261801	.1267846	2.046557	.0169029	.0001152	-.002003
#2	-.000256	2.305059	.1265700	2.050340	.0170624	.0003809	-.000868

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	44.53981	-.000264	-.000200	.0009556	.0032084	-.009843	14.94213
Stddev	.04904	.000009	.000325	.0000209	.0001664	.063038	.00968
%RSD	.1101144	3.443451	162.9628	2.184866	5.185002	640.4611	.0647511

#1	44.50513	-.000270	-.000430	.0009704	.0030907	-.054417	14.93529
#2	44.57449	-.000257	.000030	.0009408	.0033260	.034732	14.94897

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000065	.5069216	.0007502	.0723976	107.1149	-.000548	-.001335
Stddev	.000382	.0466928	.0002367	.0007921	.1069	.001487	.001423
%RSD	584.8163	9.211055	31.54956	1.094124	.0998045	271.4596	106.5863

#1	.000205	.4739048	.0009176	.0729577	107.0393	.000504	-.000329
#2	-.000335	.5399384	.0005829	.0718374	107.1905	-.001599	-.002341

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

Sample Name: 500-111195-a-9-a Acquired: 5/10/2016 16:05:18 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001439	-0.000165	5.555497	.0004082	1.770398	.0038118	-.001632
Stddev	.001144	.001331	.016248	.0014211	.007838	.0000228	.002828
%RSD	79.53660	806.6847	.2924601	348.1128	.4427216	.5987264	173.3110

#1	-0.000629	-0.001107	5.544008	-.000597	1.764856	.0037957	.000368
#2	-0.002248	.000776	5.566986	.001413	1.775941	.0038280	-.003631

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0773217	.0020135
Stddev	.0006697	.0005390
%RSD	.8661833	26.76982

#1	.0777953	.0023946
#2	.0768481	.0016324

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1089.210	642.3715	6370.004	2769.092
Stddev	.793	2.1060	5.335	.400
%RSD	.0727783	.3278529	.0837486	.0144604

#1	1088.650	643.8607	6373.776	2769.375
#2	1089.771	640.8823	6366.231	2768.809

Sample Name: mb 500-334709/1-a Acquired: 5/10/2016 16:09:36 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000803	.0353486	-.000431	.0208708	-.000040	-.000074	-.001228
Stddev	.000026	.0192388	.003009	.0003729	.000019	.000144	.001229
%RSD	3.182229	54.42590	698.6477	1.786514	47.45026	195.1317	100.1243

#1	-.000785	.0489524	-.002559	.0211344	-.000026	.000028	-.002097
#2	-.000821	.0217447	.001697	.0206071	-.000053	-.000176	-.000359

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0587917	-.000309	.0001907	-.000079	.0016485	-.043971	.0699031
Stddev	.0001210	.000025	.0002577	.000751	.0001549	.033758	.0094516
%RSD	.2057553	8.045112	135.1449	944.7415	9.397511	76.77333	13.52096

#1	.0588772	-.000327	.0000085	-.000610	.0015390	-.020101	.0765864
#2	.0587061	-.000292	.0003729	.000452	.0017581	-.067842	.0632198

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002091	.0347537	.0002441	.0000686	.0603558	.0005471	.0001850
Stddev	.0002910	.0207387	.0005376	.0002910	.0038278	.0005347	.0002841
%RSD	139.1564	59.67334	220.2474	423.8529	6.342113	97.74805	153.5820

#1	.0004148	.0200892	-.000136	.0002744	.0576491	.0009252	-.000016
#2	.0000034	.0494182	.000624	-.000137	.0630624	.0001689	.000386

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

Sample Name: mb 500-334709/1-a Acquired: 5/10/2016 16:09:36 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.000066	-0.002198	-0.001942	.0000131	.0001816	.0000682	-.000784
Stddev	.002754	.003328	.000945	.0008666	.0000087	.0000139	.000489
%RSD	4182.532	151.4035	48.67350	6591.227	4.765560	20.40707	62.37606

#1	.001881	-.004551	-.001274	-.000600	.0001755	.0000584	-.001129
#2	-.002013	.000155	-.002610	.000626	.0001877	.0000781	-.000438

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0005929	.0048736
Stddev	.0005593	.0001586
%RSD	94.32732	3.254385

#1	.0001975	.0049857
#2	.0009885	.0047614

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1226.903	676.6077	6707.138	2841.358
Stddev	.464	.2100	4.059	4.839
%RSD	.0378350	.0310314	.0605122	.1702938

#1	1226.575	676.4593	6704.269	2837.937
#2	1227.232	676.7562	6710.008	2844.780

Sample Name: lcs 500-334709/2-a Acquired: 5/10/2016 16:13:51 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0478830	1.951396	.1023186	.9705294	1.949883	.0482940	.4887220
Stddev	.0012625	.015930	.0004634	.0084281	.003312	.0000919	.0040524
%RSD	2.636648	.8163521	.4529325	.8684061	.1698792	.1902217	.8291747

#1	.0469902	1.962661	.1019909	.9764890	1.952225	.0483590	.4915874
#2	.0487757	1.940132	.1026463	.9645698	1.947540	.0482291	.4858565

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.358604	.0497312	.4959839	.1926867	.2419328	1.018700	10.34943
Stddev	.038315	.0003355	.0051847	.0011520	.0001018	.003601	.06154
%RSD	.4094085	.6746825	1.045330	.5978834	.0420733	.3534947	.5946319

#1	9.331511	.0499684	.4996500	.1918721	.2420047	1.016153	10.39294
#2	9.385696	.0494939	.4923178	.1935013	.2418608	1.021246	10.30591

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5116101	9.220925	.4699652	.9935092	9.908221	.4896522	.1033504
Stddev	.0010633	.000433	.0022299	.0081675	.010301	.0052039	.0000336
%RSD	.2078304	.0046960	.4744789	.8220892	.1039605	1.062764	.0325468

#1	.5123619	9.221231	.4715420	.9992845	9.915504	.4933319	.1033267
#2	.5108582	9.220619	.4683885	.9877339	9.900937	.4859726	.1033742

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

Sample Name: lcs 500-334709/2-a Acquired: 5/10/2016 16:13:51 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4877765	.0973588	4.516483	.9613512	.9761620	.9564977	.1023078
Stddev	.0087606	.0053501	.045172	.0070239	.0001024	.0002609	.0020738
%RSD	1.796028	5.495285	1.000152	.7306308	.0104867	.0272821	2.027061

#1	.4939712	.1011419	4.548425	.9663179	.9760896	.9566823	.1037742
#2	.4815819	.0935757	4.484542	.9563845	.9762344	.9563132	.1008413

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.5063841	.4775648
Stddev	.0003887	.0060037
%RSD	.0767591	1.257149

#1	.5066590	.4818100
#2	.5061093	.4733195

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1167.283	657.2982	6564.550	2822.230
Stddev	6.659	4.3835	8.355	.860
%RSD	.5705101	.6668912	.1272800	.0304837

#1	1162.574	654.1987	6558.642	2822.839
#2	1171.992	660.3978	6570.458	2821.622

Sample Name: CCV Acquired: 5/10/2016 16:18:04 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4825472	48.54923	.5370362	.5038031	.4934091	.4939059
Stddev	.0007915	.06680	.0065170	.0005540	.0006815	.0003773
%RSD	.1640334	.1375843	1.213519	.1099687	.1381280	.0763977

#1	.4831069	48.59646	.5324280	.5041949	.4938910	.4936391
#2	.4819875	48.50200	.5416445	.5034114	.4929272	.4941727

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4960209	23.62713	.4962193	.5158868	.4879492	.4879790
Stddev	.0023229	.14566	.0009924	.0006428	.0002742	.0028622
%RSD	.4683015	.6165003	.2000027	.1245929	.0561838	.5865457

#1	.4943784	23.52414	.4955175	.5154323	.4877553	.4859551
#2	.4976634	23.73013	.4969210	.5163413	.4881430	.4900029

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.27376	F 56.79737	4.063100	23.95616	4.721267	.4993775
Stddev	.10191	.08633	.012462	.05751	.012958	.0003395
%RSD	.4198474	.1520021	.3067222	.2400709	.2744554	.0679883

#1	24.20170	56.73632	4.054288	23.99683	4.712104	.4996176
#2	24.34583	56.85841	4.071912	23.91550	4.730430	.4991374

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		50.00000				
Range		10.00000%				

Sample Name: CCV Acquired: 5/10/2016 16:18:04 Type: QC
Method: P8051016A Mode: CONC Corr. Factor: 1.000000
User: JonesP Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.65017	.5078127	.5154814	.4904745	.4932680	F .4478127
Stddev	.01191	.0003045	.0013539	.0005668	.0049084	.0021947
%RSD	.0483168	.0599689	.2626511	.1155611	.9950728	.4900890

#1	24.65860	.5075974	.5145240	.4900737	.4897972	.4493645
#2	24.64175	.5080280	.5164387	.4908753	.4967387	.4462608

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						.5000000
Range						-10.0000%

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5096567	.4952661	.4864338	.5107421	5.099743	.5016174
Stddev	.0026942	.0000879	.0008983	.0018176	.016782	.0015056
%RSD	.5286278	.0177529	.1846661	.3558736	.3290771	.3001457

#1	.5077516	.4952039	.4870689	.5094569	5.111610	.5005528
#2	.5115618	.4953283	.4857986	.5120273	5.087876	.5026820

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1081.398	643.8652	6406.630	2762.877
Stddev	1.028	.0578	8.267	7.171
%RSD	.0950972	.0089842	.1290373	.2595428

#1	1082.125	643.8243	6400.785	2767.948
#2	1080.671	643.9061	6412.476	2757.807

Sample Name: CCB Acquired: 5/10/2016 16:22:10 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000268	.0065751	.0012008	.0084198	-.000207	-.000146	.0002337
Stddev	.000343	.0072486	.0012916	.0002973	.000031	.000067	.0006102
%RSD	128.0884	110.2436	107.5602	3.530844	15.06267	46.06736	261.0487

#1	-.000025	.0014495	.0021141	.0086300	-.000229	-.000194	-.000198
#2	-.000510	.0117006	.0002875	.0082096	-.000185	-.000098	.000665

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001225	-.000241	.0001890	.0000607	.0016122	.0012181	.0512421
Stddev	.000475	.000326	.0002468	.0005116	.0001220	.0484945	.0129749
%RSD	38.74899	135.1673	130.6174	842.5464	7.565572	3981.094	25.32076

#1	-.000889	-.000472	.0000144	.0004225	.0016984	.0355089	.0420674
#2	-.001560	-.000011	.0003635	-.000301	.0015259	-.033073	.0604167

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002951	.0008000	-.000261	.0000752	.0071100	-.000317	-.000125
Stddev	.0007028	.0126325	.000149	.0000442	.0021292	.000500	.000303
%RSD	238.1515	1579.133	57.13689	58.83652	29.94609	157.4774	241.5585

#1	.0007921	.0097325	-.000156	.0001065	.0056045	.000036	-.000340
#2	-.000202	-.008133	-.000367	.0000439	.0086156	-.000671	.000089

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

Sample Name: CCB Acquired: 5/10/2016 16:22:10 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015352	-.000923	.0013387	.0000451	-.000006	.0003302	.0004097
Stddev	.0018868	.001577	.0002601	.0008205	.000002	.0000342	.0013766
%RSD	122.8978	170.7836	19.42863	1817.809	26.74218	10.35432	336.0021
#1	.0028694	.000192	.0011548	.0006253	-.000007	.0003060	.0013831
#2	.0002011	-.002038	.0015226	-.000535	-.000005	.0003544	-.000564
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0000430	-.000134
Stddev	.0007632	.000253
%RSD	1773.079	188.6098
#1	-.000497	-.000313
#2	.000583	.000045
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1227.015	677.6652	6682.662	2815.659
Stddev	1.086	1.8725	7.918	11.298
%RSD	.0884676	.2763173	.1184820	.4012406
#1	1227.782	678.9892	6688.261	2823.647
#2	1226.247	676.3411	6677.064	2807.670

Sample Name: 500-111327-c-1-a Acquired: 5/10/2016 16:25:34 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000286	.0193022	.0017799	.9811468	.2186753	.0000214	-.000668
Stddev	.000394	.0085073	.0034180	.0004593	.0008904	.0000223	.000737
%RSD	137.8066	44.07412	192.0354	.0468071	.4071723	104.1118	110.2965

#1	-.000007	.0132867	-.000637	.9814716	.2180457	.0000057	-.001189
#2	-.000564	.0253178	.004197	.9808221	.2193049	.0000372	-.000147

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	106.1691	-.000295	-.000198	.0055996	.0482624	9.730861	3.113277
Stddev	1.5281	.000081	.000479	.0000553	.0001952	.209778	.007668
%RSD	1.439262	27.45378	242.4349	.9869363	.4044038	2.155803	.2462954

#1	105.0886	-.000353	.000141	.0056387	.0484004	9.582525	3.107855
#2	107.2496	-.000238	-.000536	.0055605	.0481244	9.879197	3.118699

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0119221	42.40537	.1143962	.0436302	58.01382	.0037050	.0176731
Stddev	.0002551	.52065	.0008253	.0006270	.16936	.0001353	.0006300
%RSD	2.139555	1.227785	.7214518	1.437009	.2919368	3.651562	3.564952

#1	.0117417	42.03721	.1138127	.0440735	57.89407	.0038006	.0172276
#2	.0121024	42.77352	.1149798	.0431868	58.13358	.0036093	.0181186

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

Sample Name: 500-111327-c-1-a Acquired: 5/10/2016 16:25:34 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001212	.0021086	14.54659	.0124313	1.098940	.0044313	-.000906
Stddev	.001149	.0051865	.00814	.0013460	.000387	.0002166	.003083
%RSD	94.82891	245.9668	.0559321	10.82788	.0352389	4.888871	340.2797

#1	-0.002025	-.001559	14.55234	.0133831	1.099213	.0045845	.001274
#2	-.000399	.005776	14.54083	.0114795	1.098666	.0042781	-.003086

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0010939	.0546778
Stddev	.0004236	.0003390
%RSD	38.72619	.6200074

#1	.0013935	.0549175
#2	.0007944	.0544381

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1060.512	626.5631	6307.671	2751.288
Stddev	2.227	.6784	12.893	27.122
%RSD	.2100362	.1082756	.2043971	.9857950

#1	1058.937	626.0834	6298.554	2770.467
#2	1062.087	627.0428	6316.787	2732.110

Sample Name: 111327-c-1-a @100 Acquired: 5/10/2016 16:29:51 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000081	-.013764	.0017271	.0170008	.0019963	.0001250	-.001259
Stddev	.000130	.002304	.0003793	.0000325	.0000798	.0001621	.001375
%RSD	159.0436	16.73803	21.96157	.1913309	3.998894	129.6725	109.1880

#1	-.000173	-.012135	.0019953	.0169778	.0020528	.0000104	-.002232
#2	.000010	-.015393	.0014589	.0170238	.0019399	.0002396	-.000287

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.087915	-.000332	.0002739	-.000321	.0021000	.1300249	.0600088
Stddev	.000480	.000034	.0000581	.000544	.0002554	.0065694	.0010177
%RSD	.0441190	10.21615	21.22137	169.4533	12.16058	5.052403	1.695929

#1	1.087576	-.000308	.0002328	-.000706	.0022806	.1253797	.0592892
#2	1.088255	-.000356	.0003150	.000064	.0019194	.1346702	.0607284

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004976	.4286353	.0014241	.0001212	.5880598	.0010049	-.000621
Stddev	.0003871	.0062838	.0001689	.0000897	.0062926	.0003176	.001281
%RSD	77.79485	1.465990	11.86229	74.01978	1.070065	31.60786	206.3803

#1	.0007713	.4330786	.0015435	.0001846	.5925094	.0007803	.000285
#2	.0002239	.4241920	.0013046	.0000578	.5836103	.0012294	-.001527

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

Sample Name: 111327-c-1-a @100 Acquired: 5/10/2016 16:29:51 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001776	-.001878	.1444886	.0012961	.0113339	.0003873	-.001855
Stddev	.0024867	.001584	.0000672	.0007332	.0000013	.0001308	.001915
%RSD	1399.891	84.34547	.0465172	56.57238	.0117830	33.78042	103.1841

#1	-.001581	-.002998	.1444411	.0018146	.0113330	.0004798	-.003209
#2	.001936	-.000758	.1445362	.0007776	.0113349	.0002948	-.000502

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0004037	.0009169
Stddev	.0002616	.0003154
%RSD	64.78426	34.40132

#1	.0002188	.0011400
#2	.0005887	.0006939

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1225.386	675.8775	6657.776	2805.290
Stddev	1.332	2.9823	20.436	13.632
%RSD	.1086917	.4412483	.3069429	.4859462

#1	1224.444	677.9863	6643.325	2795.650
#2	1226.328	673.7687	6672.226	2814.929

Sample Name: 500-111327-c-2-a Acquired: 5/10/2016 16:34:04 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000699	.3108465	-.000170	3.636958	.2518078	-.000032
Stddev	.000315	.0203384	.002991	.001969	.0003856	.000087
%RSD	45.05946	6.542911	1758.166	.0541409	.1531347	269.0099

#1	-.000476	.3252279	.001945	3.635565	.2520805	-.000094
#2	-.000921	.2964651	-.002285	3.638350	.2515351	.000029

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001867	194.4211	-.000430	-.000055	.0193286	.0186972
Stddev	.001165	.3924	.000578	.000535	.0004174	.0000591
%RSD	62.38850	.2018545	134.4102	972.8295	2.159540	.3159359

#1	-.001044	194.1436	-.000839	.000324	.0196238	.0186554
#2	-.002691	194.6986	-.000021	-.000434	.0190335	.0187389

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.028425	20.04981	.1068191	101.0871	.0926515	.0035749
Stddev	.037468	.01696	.0007909	.0480	.0000536	.0000560
%RSD	3.643267	.0845808	.7404357	.0474471	.0578329	1.567087

#1	1.054919	20.03782	.1073784	101.0532	.0926894	.0036145
#2	1.001931	20.06180	.1062598	101.1210	.0926136	.0035353

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

Sample Name: 500-111327-c-2-a Acquired: 5/10/2016 16:34:04 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	242.6045	.0130434	-.001484	.0007899	.0030852	7.139804
Stddev	3.3989	.0009229	.000054	.0014620	.0035550	.014225
%RSD	1.400984	7.075378	3.641849	185.0911	115.2292	.1992302

#1	240.2012	.0136960	-.001522	-.000244	.0055989	7.149863
#2	245.0079	.0123908	-.001446	.001824	.0005714	7.129746

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017871	F 3.746307	.0123143	-.002524	.0008714	.4965415
Stddev	.0009907	.012767	.0002967	.002682	.0008090	.0023312
%RSD	55.43251	.3407958	2.409374	106.2836	92.84469	.4694826

#1	.0024876	3.755334	.0121045	-.000627	.0002993	.4948931
#2	.0010866	3.737279	.0125241	-.004420	.0014434	.4981899

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.000000				
Low Limit		-.005000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	983.8632	605.2495	6049.964	2645.610
Stddev	1.9918	2.3143	12.909	16.286
%RSD	.2024505	.3823794	.2133693	.6155760

#1	982.4548	603.6130	6040.836	2657.126
#2	985.2717	606.8860	6059.092	2634.094

Sample Name: 111327-c-2-a SD@5 Acquired: 5/10/2016 16:39:25 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000019	.0505887	-.000611	.7607340	.0505679	.0000342	.0007663
Stddev	.000768	.0043910	.000627	.0029881	.0001643	.0007112	.0003227
%RSD	4041.011	8.679813	102.5548	.3927951	.3248457	2080.680	42.10407

#1	.000524	.0536936	-.001054	.7628469	.0506841	-.000469	.0009945
#2	-.000562	.0474838	-.000168	.7586210	.0504518	.000537	.0005382

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.42690	-.000176	-.000179	.0039185	.0050223	.2335585	3.953966
Stddev	.07872	.000127	.000265	.0000167	.0003269	.0118046	.010106
%RSD	.1996628	72.43400	148.6250	.4259682	6.508911	5.054236	.2555996

#1	39.37124	-.000266	.000009	.0039067	.0047911	.2252114	3.946820
#2	39.48257	-.000086	-.000366	.0039303	.0052534	.2419056	3.961113

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0213437	19.58223	.0187996	.0004047	48.02902	.0026226	-.001601
Stddev	.0002213	.06860	.0005643	.0003948	.06336	.0002708	.000829
%RSD	1.037025	.3503378	3.001490	97.53108	.1319157	10.32517	51.78028

#1	.0215002	19.53372	.0191986	.0006839	47.98422	.0024311	-.002187
#2	.0211872	19.63075	.0184006	.0001256	48.07382	.0028141	-.001015

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

Sample Name: 111327-c-2-a SD@5 Acquired: 5/10/2016 16:39:25 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001380	.0004019	1.387664	.0010350	.7970469	.0056955	-.001931
Stddev	.000709	.0043442	.003867	.0010481	.0002647	.0006700	.001776
%RSD	51.37036	1080.920	.2786689	101.2631	.0332142	11.76279	91.98533

#1	-.001881	.0034737	1.390398	.0002939	.7972341	.0061693	-.000675
#2	-.000879	-.002670	1.384930	.0017761	.7968597	.0052218	-.003187

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	-.000091	.0968456
Stddev	.000108	.0000561
%RSD	119.4807	.0579313

#1	-.000014	.0968852
#2	-.000167	.0968059

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1119.560	649.0342	6438.635	2741.687
Stddev	1.193	.0236	20.329	2.288
%RSD	.1065271	.0036311	.3157299	.0834587

#1	1118.716	649.0176	6424.261	2743.305
#2	1120.403	649.0509	6453.010	2740.070

Sample Name: 500-111327-c-2-b du Acquired: 5/10/2016 16:43:42 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000470	.3173050	.0010237	3.544015	.2450832	.0005787
Stddev	.0001137	.0024697	.0005835	.007849	.0007789	.0000922
%RSD	241.5907	.7783243	56.99538	.2214708	.3177923	15.93156

#1	.0001274	.3155587	.0014363	3.538465	.2456339	.0005135
#2	-.000033	.3190513	.0006111	3.549565	.2445325	.0006438

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002062	189.9821	-.000473	-.000046	.0198877	.0198945
Stddev	.000548	1.1540	.000176	.000237	.0007976	.0003232
%RSD	26.56860	.6074310	37.15122	516.2949	4.010688	1.624767

#1	-.002449	189.1661	-.000597	-.000213	.0193237	.0196659
#2	-.001675	190.7981	-.000348	.000121	.0204517	.0201231

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9606392	19.48368	.1025847	98.63538	.0900508	.0035294
Stddev	.0699076	.05663	.0005568	.21438	.0011958	.0007465
%RSD	7.277195	.2906638	.5427275	.2173479	1.327947	21.15085

#1	.9112070	19.52373	.1029784	98.48379	.0892053	.0040572
#2	1.010071	19.44364	.1021910	98.78697	.0908964	.0030015

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

Sample Name: 500-111327-c-2-b du Acquired: 5/10/2016 16:43:42 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	234.2655	.0135110	-.001927	-.001221	-.003272	6.975669
Stddev	2.8013	.0002871	.000332	.000983	.005212	.014579
%RSD	1.195760	2.124914	17.25225	80.46257	159.2774	.2089998

#1	236.2463	.0137140	-.001692	-.001916	.000413	6.965360
#2	232.2847	.0133080	-.002162	-.000526	-.006957	6.985978

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012157	F 3.662959	.0120174	-.002713	.0006139	.4839174
Stddev	.0008312	.015751	.0003481	.004334	.0006848	.0006423
%RSD	68.37651	.4300176	2.896793	159.7166	111.5522	.1327292

#1	.0018035	3.651821	.0122635	.000351	.0010981	.4843716
#2	.0006279	3.674097	.0117712	-.005778	.0001297	.4834632

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.000000				
Low Limit		-.005000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	987.0141	607.9686	6073.057	2658.139
Stddev	.2290	.6533	22.759	.360
%RSD	.0232019	.1074577	.3747551	.0135494

#1	986.8521	608.4306	6089.150	2658.394
#2	987.1760	607.5067	6056.964	2657.884

Sample Name: 500-111327-c-2-c ms Acquired: 5/10/2016 16:49:02 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0454458	2.193002	.1076450	4.609419	2.034654	.0471292
Stddev	.0013325	.157570	.0107113	.192176	.129916	.0024970
%RSD	2.932133	7.185116	9.950553	4.169208	6.385148	5.298269

#1	.0463880	2.304420	.1152191	4.745308	2.126518	.0488949
#2	.0445035	2.081583	.1000710	4.473529	1.942790	.0453635

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5245905	192.1862	.0509019	.5256569	.2046390	.2562219
Stddev	.0191061	11.4800	.0021027	.0224296	.0000096	.0008751
%RSD	3.642098	5.973390	4.130960	4.266968	.0046899	.3415352

#1	.5381005	200.3038	.0523887	.5415170	.2046458	.2556032
#2	.5110804	184.0686	.0494150	.5097968	.2046322	.2568407

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.901147	28.56080	.5763803	104.3026	.5248934	1.011116
Stddev	.172268	1.78255	.0366720	6.2690	.0318357	.044785
%RSD	9.061271	6.241244	6.362466	6.010416	6.065167	4.429283

#1	2.022959	29.82125	.6023113	108.7354	.5474047	1.042784
#2	1.779335	27.30035	.5504493	99.8697	.5023822	.979448

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

Sample Name: 500-111327-c-2-c ms Acquired: 5/10/2016 16:49:02 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	235.2366	.5279522	.1083057	.5023426	.0249650	11.95016
Stddev	12.8337	.0242224	.0038284	.0217406	.0032506	.52320
%RSD	5.455670	4.587990	3.534803	4.327842	13.02046	4.378204

#1	244.3114	.5450800	.1110128	.5177155	.0226665	12.32012
#2	226.1618	.5108244	.1055986	.4869697	.0272635	11.58020

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.029604	F 4.491900	.9439992	.0966563	.5005827	1.006303
Stddev	.051515	.015351	.0017016	.0028343	.0002141	.047828
%RSD	5.003331	.3417584	.1802489	2.932350	.0427768	4.752859

#1	1.066031	4.481045	.9427961	.0986605	.5004312	1.040123
#2	.993178	4.502755	.9452024	.0946522	.5007341	.972484

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.000000				
Low Limit		-.005000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	955.3763	590.5706	6070.448	2733.305
Stddev	28.2441	17.8733	24.718	119.389
%RSD	2.956329	3.026449	.4071861	4.367931

#1	935.4047	577.9322	6087.927	2648.884
#2	975.3479	603.2089	6052.970	2817.725

Sample Name: 111327-c-2-a @100 Acquired: 5/10/2016 16:54:16 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000143	-.003936	-.000667	.0455721	.0023439	.0001157	.0001047
Stddev	.000457	.001381	.001265	.0004428	.0000830	.0001765	.0003791
%RSD	319.6323	35.07551	189.6650	.9717442	3.542039	152.5415	362.0785

#1	-.000466	-.002960	.000228	.0452590	.0024026	.0002405	.0003728
#2	.000180	-.004913	-.001562	.0458853	.0022852	-.000009	-.000163

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.932509	-.000250	.0001450	.0002022	.0014944	.0120167	.2435361
Stddev	.016291	.000064	.0004793	.0005107	.0001721	.0010899	.0153514
%RSD	.8430033	25.50211	330.6558	252.5056	11.51263	9.070007	6.303539

#1	1.920989	-.000295	-.000194	-.000159	.0016161	.0127874	.2543911
#2	1.944028	-.000205	.000484	.000563	.0013728	.0112460	.2326810

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011184	.9801428	.0010524	-.000284	2.388579	.0010179	-.000541
Stddev	.0006957	.0184699	.0001195	.000247	.001718	.0002654	.001785
%RSD	62.20775	1.884409	11.35793	86.94098	.0719202	26.07128	329.9646

#1	.0006265	.9932030	.0009679	-.000109	2.389794	.0008303	-.001803
#2	.0016104	.9670826	.0011370	-.000459	2.387365	.0012056	.000721

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

Sample Name: 111327-c-2-a @100 Acquired: 5/10/2016 16:54:16 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001188	-0.001648	.0721346	-.000234	.0399069	.0009591	-.001164
Stddev	.000201	.000870	.0004434	.000429	.0001053	.0000865	.001689
%RSD	16.91295	52.77005	.6147150	183.0745	.2638187	9.023063	145.0701

#1	-0.001330	-0.002263	.0724481	-.000538	.0399813	.0008979	.000030
#2	-0.001046	-0.001033	.0718210	.000069	.0398324	.0010203	-.002359

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0001063	.0051529
Stddev	.0000681	.0002546
%RSD	64.02968	4.941892

#1	.0001544	.0053330
#2	.0000582	.0049728

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1230.905	679.6240	6659.593	2808.758
Stddev	9.430	5.1740	24.635	8.168
%RSD	.7661333	.7613078	.3699239	.2907881

#1	1237.574	683.2826	6642.173	2814.534
#2	1224.237	675.9654	6677.013	2802.983

Sample Name: 111327-c-2-a SD@500 Acquired: 5/10/2016 16:58:30 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000262	.0091848	-.001319	.0149587	.0003143	.0001401	-.001711
Stddev	.000127	.0044132	.001314	.0005466	.0001109	.0001523	.002533
%RSD	48.60443	48.04900	99.59080	3.653948	35.28631	108.7435	148.0089

#1	-.000352	.0123054	-.000390	.0153451	.0003927	.0000324	-.003502
#2	-.000172	.0060642	-.002248	.0145722	.0002359	.0002478	.000080

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4211811	-.000179	.0002890	-.000775	.0013383	.0154031	.0800987
Stddev	.0038184	.000071	.0000209	.000520	.0002030	.0913499	.0133221
%RSD	.9065960	39.43857	7.229765	67.11753	15.17052	593.0612	16.63213

#1	.4184811	-.000229	.0003038	-.001142	.0011947	.0799973	.0706786
#2	.4238811	-.000129	.0002742	-.000407	.0014818	-.049191	.0895189

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000073	.2297090	.0004518	-.000147	.5320802	.0000391	.0002345
Stddev	.000176	.0325005	.0000193	.000219	.0014989	.0007991	.0009153
%RSD	240.2271	14.14857	4.263556	149.0086	.2817055	2045.657	390.2654

#1	.000051	.2526904	.0004382	.000008	.5310203	-.000526	.0008817
#2	-.000198	.2067277	.0004655	-.000302	.5331401	.000604	-.000413

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

Sample Name: 111327-c-2-a SD@500 Acquired: 5/10/2016 16:58:30 Type: Unk
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006590	-.002956	.0183014	-.000299	.0087718	.0001596	-.002465
Stddev	.0006019	.002007	.0004810	.000244	.0000028	.0000462	.001003
%RSD	91.32411	67.88204	2.628287	81.76421	.0323572	28.95504	40.70674
#1	.0010846	-.004375	.0186415	-.000126	.0087698	.0001269	-.003174
#2	.0002335	-.001537	.0179613	-.000471	.0087738	.0001922	-.001755
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0003037	.0014752
Stddev	.0000813	.0001964
%RSD	26.77455	13.31548
#1	.0003612	.0016141
#2	.0002462	.0013363
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1227.512	678.1530	6684.079	2812.977
Stddev	2.203	4.2849	6.050	6.916
%RSD	.1794816	.6318503	.0905196	.2458436
#1	1225.954	675.1231	6688.357	2808.086
#2	1229.070	681.1829	6679.801	2817.867

Sample Name: 111327-c-2-b du @100 Acquired: 5/10/2016 17:02:44 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000279	.0062060	-.002938	.0418486	.0022762	-.000074	-.000057
Stddev	.000087	.0210899	.001412	.0000442	.0001448	.000464	.000509
%RSD	31.13464	339.8335	48.06813	.1054990	6.359629	628.4274	885.0158
#1	-.000218	.0211188	-.001939	.0418174	.0021738	.000254	.000302
#2	-.000341	-.008707	-.003936	.0418799	.0023786	-.000402	-.000417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.908174	-.000026	.0001906	.0001830	.0012179	-.004746	.2355469
Stddev	.017986	.000030	.0003326	.0002207	.0000955	.029821	.0128662
%RSD	.9425974	114.8044	174.4696	120.6356	7.844881	628.3363	5.462274
#1	1.895456	-.000047	.0004258	.0000269	.0011503	-.025833	.2446447
#2	1.920892	-.000005	-.000045	.0003390	.0012854	.016341	.2264491
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006201	.9618133	.0010088	-.000233	2.376756	.0007964	-.001042
Stddev	.0006076	.0224002	.0005117	.000423	.007974	.0001758	.002845
%RSD	97.97964	2.328949	50.71846	181.7875	.3355178	22.07045	273.0799
#1	.0010498	.9459740	.0006470	-.000532	2.371118	.0009207	.000970
#2	.0001905	.9776526	.0013706	.000066	2.382395	.0006721	-.003054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 111327-c-2-b du @100 Acquired: 5/10/2016 17:02:44 Type: Unk
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000438	-.000342	.0678618	.0004547	.0398593	.0006290	.0005554
Stddev	.000630	.004135	.0003625	.0000242	.0000696	.0002795	.0011829
%RSD	143.7403	1208.106	.5341320	5.317072	.1746879	44.44056	212.9891
#1	.000007	-.003266	.0676055	.0004718	.0399086	.0008266	-.000281
#2	-.000883	.002582	.0681181	.0004376	.0398101	.0004313	.001392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0002206	.0050146
Stddev	.0003895	.0002245
%RSD	176.5647	4.477142
#1	-.000055	.0051734
#2	.000496	.0048559
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1226.409	677.2289	6689.874	2817.216
Stddev	6.042	2.4510	15.485	5.708
%RSD	.4926356	.3619115	.2314646	.2026008
#1	1230.681	678.9620	6700.823	2821.251
#2	1222.136	675.4958	6678.924	2813.180

Sample Name: 111327-c-2-c ms @100 Acquired: 5/10/2016 17:06:58 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003655	.0104980	-.001167	.0509079	.0216581	.0003366	.0046447
Stddev	.0005184	.0060006	.002891	.0005613	.0000046	.0003300	.0010645
%RSD	141.8215	57.15986	247.7463	1.102635	.0210785	98.03924	22.91904

#1	.0007321	.0147411	.000877	.0505110	.0216549	.0001032	.0053974
#2	-.000001	.0062549	-.003211	.0513048	.0216613	.0005699	.0038919

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.010513	.0002056	.0051282	.0013974	.0038266	.0038749	.3313171
Stddev	.002763	.0000680	.0002066	.0000235	.0004506	.0740318	.0008991
%RSD	.1374107	33.06925	4.028370	1.681732	11.77543	1910.561	.2713594

#1	2.008559	.0002537	.0052743	.0014140	.0041452	-.048474	.3306813
#2	2.012466	.0001576	.0049822	.0013808	.0035080	.056223	.3319528

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0061459	1.045907	.0055741	.0097744	2.473741	.0057953	-.000576
Stddev	.0001207	.014710	.0003771	.0003288	.005083	.0006791	.000895
%RSD	1.964328	1.406480	6.765465	3.363711	.2054808	11.71824	155.3452

#1	.0060605	1.035505	.0058407	.0095419	2.477335	.0053151	-.001210
#2	.0062313	1.056309	.0053074	.0100069	2.470147	.0062755	.000057

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

Sample Name: 111327-c-2-c ms @100 Acquired: 5/10/2016 17:06:58 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0043005	-.000447	.1125512	.0089298	.0490935	.0097130	-.001254
Stddev	.0009765	.001220	.0010525	.0006282	.0001723	.0001119	.001335
%RSD	22.70625	273.1465	.9351405	7.034403	.3510196	1.152438	106.4525

#1	.0036100	.000416	.1132955	.0084856	.0489717	.0096338	-.000310
#2	.0049910	-.001309	.1118070	.0093739	.0492154	.0097921	-.002198

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0053106	.0094523
Stddev	.0001030	.0001547
%RSD	1.940348	1.636490

#1	.0053835	.0095617
#2	.0052377	.0093430

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1226.876	678.6317	6723.194	2828.152
Stddev	2.489	2.7166	47.607	1.745
%RSD	.2028583	.4003105	.7080966	.0617171

#1	1228.636	680.5526	6756.857	2826.918
#2	1225.116	676.7108	6689.531	2829.386

Sample Name: CCV Acquired: 5/10/2016 17:11:13 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4815936	48.46500	.5328658	.4950567	.4897120	.4949736
Stddev	.0006749	.16433	.0024419	.0006916	.0013990	.0013538
%RSD	.1401329	.3390792	.4582609	.1397033	.2856808	.2735110

#1	.4820708	48.58120	.5345925	.4945677	.4907013	.4940163
#2	.4811164	48.34879	.5311391	.4955458	.4887228	.4959309

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4975852	23.63796	.4951736	.5154641	.4907636	.4836581
Stddev	.0014675	.10685	.0001774	.0020554	.0008520	.0020240
%RSD	.2949310	.4520273	.0358335	.3987396	.1736092	.4184688

#1	.4986229	23.56241	.4950481	.5140108	.4913660	.4850892
#2	.4965475	23.71352	.4952991	.5169175	.4901611	.4822269

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.13805	F 57.02704	4.059137	23.91467	4.719980	.4993080
Stddev	.13582	.04815	.013052	.00457	.012588	.0006511
%RSD	.5626676	.0844329	.3215538	.0190962	.2667017	.1303916

#1	24.04201	57.06109	4.068367	23.91145	4.711079	.4988476
#2	24.23409	56.99299	4.049908	23.91790	4.728881	.4997683

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		50.00000				
Range		10.00000%				

Sample Name: CCV Acquired: 5/10/2016 17:11:13 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.32596	.5080585	.5222601	.4917586	.4958113	F .4485478
Stddev	.05459	.0007407	.0026121	.0069017	.0045963	.0012872
%RSD	.2244209	.1457823	.5001533	1.403473	.9270202	.2869709

#1	24.36456	.5075348	.5241071	.4868783	.4925612	.4494579
#2	24.28735	.5085823	.5204131	.4966388	.4990614	.4476376

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						.5000000
Range						-10.0000%

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5076056	.4934874	.4829835	.5087210	5.146705	.5008820
Stddev	.0011564	.0009404	.0015723	.0040267	.006745	.0017105
%RSD	.2278202	.1905598	.3255440	.7915338	.1310458	.3414912

#1	.5084233	.4941524	.4840953	.5115683	5.141935	.4996725
#2	.5067879	.4928225	.4818717	.5058737	5.151474	.5020914

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1079.790	645.2984	6394.561	2768.510
Stddev	.768	.1693	22.578	5.138
%RSD	.0710984	.0262288	.3530851	.1855997

#1	1079.247	645.4180	6378.596	2772.143
#2	1080.333	645.1787	6410.526	2764.876

Sample Name: CCB Acquired: 5/10/2016 17:15:18 Type: QC

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002336	-.010457	-.000696	.0030108	-.000094	.0002096	.0006050
Stddev	.0006153	.001367	.001893	.0007911	.000071	.0000735	.0026793
%RSD	263.4000	13.07539	271.9516	26.27465	75.79958	35.08140	442.9015

#1	-.000201	-.011424	.000643	.0035702	-.000144	.0002615	-.001290
#2	.000669	-.009490	-.002035	.0024514	-.000044	.0001576	.002500

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000920	-.000123	.0001735	-.000105	.0014294	.0090761	.0383231
Stddev	.005048	.000160	.0003158	.000130	.0002567	.0587403	.0032003
%RSD	548.5952	130.4340	182.0008	124.1747	17.96120	647.1950	8.350861

#1	.002649	-.000236	-.000050	-.000013	.0016109	-.032460	.0360602
#2	-.004490	-.000010	.000397	-.000197	.0012478	.050612	.0405861

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007582	.0246968	.0000678	-.000214	.0023481	-.000636	-.001522
Stddev	.0001621	.0147223	.0000057	.000035	.0028864	.000158	.000025
%RSD	21.37592	59.61226	8.439508	16.27543	122.9252	24.76073	1.672078

#1	.0006436	.0351070	.0000638	-.000238	.0043891	-.000525	-.001504
#2	.0008728	.0142865	.0000718	-.000189	.0003071	-.000748	-.001540

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

Sample Name: CCB Acquired: 5/10/2016 17:15:18 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010677	-.001884	-.000102	-.001030	.0000013	.0001530	-.000407
Stddev	.0010234	.003578	.001882	.000122	.0000057	.0001664	.000044
%RSD	95.84709	189.9064	1853.716	11.82341	448.9258	108.7624	10.75576
#1	.0017914	.000646	.001229	-.000944	.0000053	.0002706	-.000438
#2	.0003441	-.004414	-.001432	-.001116	-.000003	.0000353	-.000376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0003310	.0000245
Stddev	.0005425	.0000190
%RSD	163.9179	77.29100
#1	-.000053	.0000379
#2	.000715	.0000111
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1228.413	678.2636	6692.622	2820.450
Stddev	1.250	1.8618	23.366	9.456
%RSD	.1017382	.2744942	.3491245	.3352789
#1	1229.297	679.5801	6676.100	2813.763
#2	1227.530	676.9471	6709.144	2827.136

Sample Name: 500-111298-a-1-a Acquired: 5/10/2016 17:18:43 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.026459	1.157013	-.001867	.0526408	.0495922	.0000313
Stddev	.000089	.000849	.000212	.0011194	.0001003	.0004842
%RSD	.3363890	.0733558	11.36034	2.126393	.2022473	1547.844

#1	-.026522	1.157613	-.001717	.0518493	.0496631	.0003737
#2	-.026396	1.156413	-.002017	.0534323	.0495213	-.000311

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.00000					
Low Limit	-.005000					

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001030	93.91424	.0003223	-.000146	.0040934	.0340466
Stddev	.000458	.13247	.0002274	.000117	.0007488	.0009912
%RSD	44.41219	.1410492	70.57509	80.11678	18.29379	2.911254

#1	-.001354	93.82057	.0001614	-.000229	.0035639	.0333457
#2	-.000707	94.00790	.0004831	-.000063	.0046229	.0347474

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.849579	13.18954	.0046437	32.39899	.0654997	.0018616
Stddev	.032613	.01514	.0003788	.04227	.0002204	.0002008
%RSD	.4154722	.1147714	8.156893	.1304738	.3365350	10.78614

#1	7.872640	13.17883	.0049115	32.36910	.0656555	.0017197
#2	7.826519	13.20024	.0043759	32.42888	.0653438	.0020036

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

Sample Name: 500-111298-a-1-a Acquired: 5/10/2016 17:18:43 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	434.6319	.0037197	.0040180	-.000101	.0002589	1.922364
Stddev	3.9653	.0004825	.0018163	.001109	.0034163	.004421
%RSD	.9123270	12.97121	45.20442	1093.073	1319.268	.2299537

#1	437.4358	.0033786	.0027337	.000682	-.002157	1.919238
#2	431.8280	.0040609	.0053023	-.000885	.002675	1.925490

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

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006138	.4335428	.0073261	F -.026945	.0050593	.1043936
Stddev	.0002901	.0015004	.0001527	.001687	.0000160	.0009127
%RSD	47.26055	.3460777	2.084482	6.260168	.3164907	.8743134

#1	.0004087	.4324819	.0072181	-.028138	.0050480	.1050389
#2	.0008189	.4346037	.0074341	-.025753	.0050707	.1037482

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				20.00000		
Low Limit				-.010000		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	969.9182	601.9785	6066.823	2521.828
Stddev	1.0141	.7713	25.296	.442
%RSD	.1045548	.1281248	.4169486	.0175246

#1	970.6353	602.5239	6084.709	2521.516
#2	969.2012	601.4331	6048.936	2522.141

Sample Name: 111298-a-1-a SD@5 Acquired: 5/10/2016 17:23:58 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004903	.2185559	-.000518	.0124514	.0093240	.0002308	.0005258
Stddev	.000540	.0063831	.000351	.0000511	.0001716	.0001599	.0023524
%RSD	11.01861	2.920599	67.74767	.4101023	1.840807	69.30534	447.3912

#1	-.005285	.2140423	-.000766	.0124875	.0092026	.0001177	.0021892
#2	-.004521	.2230695	-.000270	.0124153	.0094454	.0003438	-.001138

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	17.72615	-.000253	.0003592	.0008406	.0081132	1.510007	2.434050
Stddev	.03353	.000015	.0000465	.0002212	.0001211	.010196	.007314
%RSD	.1891682	5.807233	12.94395	26.30844	1.492162	.6752225	.3004874

#1	17.74986	-.000243	.0003263	.0009970	.0081988	1.517217	2.428878
#2	17.70244	-.000264	.0003920	.0006842	.0080276	1.502798	2.439222

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009974	5.996214	.0128059	.0003100	82.35609	.0014739	.0015791
Stddev	.0002875	.040230	.0005124	.0001256	.38437	.0009450	.0010019
%RSD	28.82918	.6709237	4.001331	40.53207	.4667148	64.11809	63.44548

#1	.0012007	5.967767	.0131683	.0003988	82.08431	.0021421	.0008707
#2	.0007941	6.024661	.0124436	.0002211	82.62788	.0008056	.0022875

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

Sample Name: 111298-a-1-a SD@5 Acquired: 5/10/2016 17:23:58 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001825	-.001334	.3724380	.0010555	.0878409	.0033852	-.005106
Stddev	.000059	.002063	.0020539	.0007964	.0000666	.0000220	.003358
%RSD	3.208545	154.6519	.5514697	75.45515	.0758034	.6490037	65.76159

#1	-.001784	-.002792	.3738903	.0004924	.0877938	.0033696	-.002732
#2	-.001867	.000125	.3709857	.0016187	.0878880	.0034007	-.007480

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0010306	.0209732
Stddev	.0002620	.0001387
%RSD	25.42476	.6614309

#1	.0012159	.0210713
#2	.0008453	.0208751

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1108.260	646.5300	6424.121	2748.517
Stddev	3.010	.4413	17.548	2.185
%RSD	.2716104	.0682638	.2731623	.0795107

#1	1110.389	646.8421	6436.530	2750.062
#2	1106.132	646.2179	6411.713	2746.972

Sample Name: 500-111298-a-1-b du Acquired: 5/10/2016 17:28:12 Type: Unk
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.026030	1.208794	-.000561	.0532578	.0505817	.0001170
Stddev	.000317	.017575	.004546	.0000764	.0000547	.0000865
%RSD	1.219610	1.453910	810.4004	.1434912	.1081287	73.96254
#1	-.025805	1.196366	-.003775	.0532038	.0505430	.0001782
#2	-.026254	1.221221	.002653	.0533119	.0506204	.0000558
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.00000					
Low Limit	-.005000					

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000800	93.95255	.0001151	-.000260	.0051568	.0357622
Stddev	.001987	.10317	.0001353	.000706	.0003407	.0005019
%RSD	248.4032	.1098083	117.5154	271.3684	6.607591	1.403542
#1	.000605	94.02550	.0002108	.000239	.0049159	.0354073
#2	-.002205	93.87960	.0000195	-.000760	.0053978	.0361172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.255082	13.51010	.0045452	32.51066	.0669953	.0022371
Stddev	.009220	.02735	.0005089	.07187	.0005254	.0003206
%RSD	.1116933	.2024227	11.19681	.2210608	.7842494	14.33160
#1	8.248563	13.52944	.0041854	32.45984	.0673668	.0024638
#2	8.261602	13.49076	.0049051	32.56148	.0666238	.0020104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 500-111298-a-1-b du Acquired: 5/10/2016 17:28:12 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	441.2695	.0036408	.0048668	-.003508	.0040320	1.972109
Stddev	3.9390	.0003968	.0005740	.000404	.0019153	.007401
%RSD	.8926532	10.89793	11.79341	11.51131	47.50334	.3752940

#1	444.0548	.0039214	.0052727	-.003794	.0053863	1.966876
#2	438.4842	.0033603	.0044610	-.003223	.0026776	1.977343

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

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016401	.4404028	.0077753	F -.025548	.0058635	.1056261
Stddev	.0018798	.0007386	.0003416	.001169	.0004789	.0001009
%RSD	114.6113	.1677156	4.394069	4.574190	8.167328	.0955558

#1	.0029693	.4398805	.0075337	-.026374	.0062022	.1056975
#2	.0003109	.4409250	.0080169	-.024721	.0055249	.1055548

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				20.00000		
Low Limit				-.010000		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	961.7628	595.4900	6032.029	2538.812
Stddev	.8784	2.9373	21.169	4.140
%RSD	.0913330	.4932588	.3509365	.1630506

#1	962.3839	597.5670	6046.997	2535.885
#2	961.1417	593.4130	6017.060	2541.739

Sample Name: 500-111298-a-1-c ms Acquired: 5/10/2016 17:33:28 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0220948	3.169564	.1071354	.9660254	2.044604	.0514046	.5201415
Stddev	.0001444	.022096	.0002133	.0015936	.001060	.0001032	.0033088
%RSD	.6536894	.6971173	.1990806	.1649669	.0518462	.2008029	.6361426

#1	.0219927	3.153940	.1072862	.9671522	2.043854	.0513316	.5178018
#2	.0221969	3.185188	.1069845	.9648985	2.045354	.0514776	.5224812

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	96.23980	.0501060	.5063026	.1856139	.2772411	8.579195	23.49246
Stddev	.46996	.0003125	.0002030	.0003094	.0024767	.070676	.19864
%RSD	.4883170	.6237293	.0400903	.1666953	.8933288	.8238040	.8455438

#1	95.90749	.0498850	.5061591	.1853951	.2789923	8.629170	23.63291
#2	96.57210	.0503270	.5064461	.1858326	.2754898	8.529220	23.35200

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5429635	39.88316	.5362553	.9717951	419.3916	.4966646	.1065072
Stddev	.0020773	.15785	.0017540	.0003330	.2251	.0000942	.0009721
%RSD	.3825945	.3957925	.3270784	.0342643	.0536707	.0189697	.9127154

#1	.5444324	39.77154	.5374955	.9715596	419.5507	.4965980	.1071946
#2	.5414946	39.99478	.5350150	.9720305	419.2324	.4967312	.1058198

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

Sample Name: 500-111298-a-1-c ms Acquired: 5/10/2016 17:33:28 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4878526	.0825839	6.326343	.9211046	1.326975	.9150848	.0690943
Stddev	.0031019	.0034916	.003737	.0055918	.007685	.0053346	.0002062
%RSD	.6358298	4.227933	.0590718	.6070740	.5791580	.5829582	.2983725

#1	.4900460	.0850529	6.328985	.9171506	1.332410	.9188569	.0689486
#2	.4856593	.0801150	6.323700	.9250586	1.321541	.9113127	.0692401

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.5001213	.5803760
Stddev	.0024185	.0041691
%RSD	.4835889	.7183399

#1	.5018315	.5774280
#2	.4984112	.5833240

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	960.1595	593.1206	6032.746	2548.134
Stddev	1.0177	.2078	28.283	5.805
%RSD	.1059893	.0350381	.4688225	.2278216

#1	959.4399	592.9737	6012.747	2552.239
#2	960.8791	593.2676	6052.745	2544.030

Sample Name: 500-111319-a-1-a Acquired: 5/10/2016 17:38:44 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000042	.0266124	.1200631	.1233604	.0933847	.0004513	-.002080
Stddev	.000824	.0041038	.0057261	.0021245	.0001074	.0003731	.002602
%RSD	1949.208	15.42075	4.769244	1.722179	.1149605	82.66822	125.1023

#1	.000540	.0237106	.1241120	.1248627	.0933088	.0001875	-.000240
#2	-.000625	.0295143	.1160141	.1218582	.0934606	.0007151	-.003920

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	265.0655	.0000915	-.000533	.0014102	.0044111	60.97123	17.34850
Stddev	.2570	.0000085	.000426	.0000243	.0000977	.15307	.02707
%RSD	.0969685	9.341459	79.91945	1.722034	2.215195	.2510543	.1560217

#1	264.8838	.0000855	-.000834	.0013930	.0044802	61.07947	17.32936
#2	265.2473	.0000976	-.000232	.0014274	.0043420	60.86299	17.36764

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018766	71.28942	1.183882	.0013536	129.5080	.0016989	-.000349
Stddev	.0002846	.16211	.002392	.0003834	.2046	.0004067	.005686
%RSD	15.16765	.2273954	.2020530	28.31988	.1579845	23.93892	1630.511

#1	.0020779	71.17479	1.185574	.0010826	129.3633	.0014113	-.004369
#2	.0016754	71.40404	1.182191	.0016247	129.6527	.0019864	.003672

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

Sample Name: 500-111319-a-1-a Acquired: 5/10/2016 17:38:44 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0035109	.0037729	15.42239	-.000735	.5114911	.0041614	-.003948
Stddev	.0003080	.0014766	.27466	.000037	.0006357	.0001971	.000973
%RSD	8.773803	39.13585	1.780919	4.990246	.1242823	4.735440	24.64292

#1	.0032931	.0027288	15.61661	-.000761	.5119406	.0043007	-.004635
#2	.0037287	.0048170	15.22818	-.000709	.5110416	.0040221	-.003260

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0057802	.0049036
Stddev	.0003518	.0002952
%RSD	6.085402	6.020007

#1	.0055314	.0051124
#2	.0060289	.0046949

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	991.1524	603.1425	6076.878	2703.479
Stddev	11.6419	7.3212	.995	5.900
%RSD	1.174579	1.213844	.0163654	.2182435

#1	982.9203	597.9656	6077.582	2707.651
#2	999.3844	608.3193	6076.175	2699.307

Sample Name: 500-111319-a-2-a Acquired: 5/10/2016 17:42:55 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000408	.0409781	.0096199	.0568772	.1728787	.0002638	-.000386
Stddev	.000157	.0013487	.0013420	.0009404	.0004942	.0003843	.001965
%RSD	38.54874	3.291286	13.95061	1.653416	.2858882	145.7068	508.9039

#1	-.000297	.0419317	.0105689	.0575421	.1732282	-.000008	.001003
#2	-.000519	.0400244	.0086710	.0562122	.1725292	.000536	-.001776

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	187.7763	-.000231	-.000557	.0009295	.0039414	2.002887	5.328427
Stddev	.5376	.000110	.000158	.0002873	.0005098	.031958	.013589
%RSD	.2862804	47.55174	28.30693	30.90367	12.93416	1.595611	.2550261

#1	187.3962	-.000309	-.000668	.0011326	.0043019	1.980289	5.338036
#2	188.1565	-.000153	-.000445	.0007264	.0035809	2.025485	5.318818

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0108648	50.15355	.0753444	.0006061	105.8344	.0021953	-.001102
Stddev	.0002308	.12206	.0005487	.0000947	.0113	.0017567	.000998
%RSD	2.124153	.2433671	.7282555	15.62294	.0106622	80.02237	90.51651

#1	.0110280	50.06725	.0749564	.0005392	105.8264	.0009531	-.000397
#2	.0107016	50.23986	.0757324	.0006731	105.8424	.0034375	-.001808

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

Sample Name: 500-111319-a-2-a Acquired: 5/10/2016 17:42:55 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001105	.0024838	21.05797	.0017513	.6760939	.0046102	-.001973
Stddev	.0012345	.0027504	.01755	.0001509	.0032300	.0000197	.001792
%RSD	1117.019	110.7333	.0833350	8.615158	.4777494	.4283811	90.78233

#1	.0009834	.0005390	21.04556	.0018579	.6783779	.0045962	-.000707
#2	-.000762	.0044287	21.07038	.0016446	.6738099	.0046242	-.003240

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0006532	.0032761
Stddev	.0000495	.0001401
%RSD	7.574486	4.276081

#1	.0006182	.0033751
#2	.0006882	.0031770

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1017.586	609.6447	6167.006	2714.486
Stddev	2.015	1.2578	9.972	7.003
%RSD	.1979979	.2063227	.1617044	.2579761

#1	1016.161	608.7553	6159.955	2719.438
#2	1019.011	610.5341	6174.058	2709.534

Sample Name: 500-111319-a-3-a Acquired: 5/10/2016 17:47:13 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000268	.3594381	.0916471	.1156070	1.266731	.0000992
Stddev	.000519	.0259919	.0006956	.0013678	.001172	.0000709
%RSD	193.8924	7.231265	.7590131	1.183159	.0925121	71.43875

#1	-.000635	.3410590	.0921390	.1146398	1.265902	.0000491
#2	.000099	.3778172	.0911553	.1165741	1.267559	.0001493

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0028142	495.2349	.0010683	-.001525	.0059170	.0307428
Stddev	.0018169	3.5194	.0002814	.000232	.0012760	.0000040
%RSD	64.56078	.7106470	26.34185	15.19292	21.56584	.0131147

#1	.0040990	497.7235	.0012673	-.001689	.0050147	.0307399
#2	.0015295	492.7464	.0008693	-.001361	.0068193	.0307456

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	29.43722	101.9875	.0368286	73.86940	1.614747	.0016438
Stddev	.39154	.3651	.0006132	.59783	.003150	.0002781
%RSD	1.330088	.3579945	1.664890	.8093114	.1950520	16.92034

#1	29.71408	101.7293	.0363951	74.29213	1.616974	.0014471
#2	29.16036	102.2457	.0372622	73.44667	1.612520	.0018405

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

Sample Name: 500-111319-a-3-a Acquired: 5/10/2016 17:47:13 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	*****	.0078286	.0088141	.0016226	-.007586	14.69816
Stddev	-----	.0015301	.0031479	.0031368	.002870	.06334
%RSD	-----	19.54433	35.71435	193.3172	37.82518	.4309187

#1	-----	.0089105	.0110399	.0038406	-.009615	14.65337
#2	-----	.0067467	.0065882	-.000595	-.005557	14.74294

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0080300	F 2.799516	.0262956	-.006842	.0108961	.1000217
Stddev	.0014794	.001559	.0002256	.003002	.0000090	.0005914
%RSD	18.42358	.0556743	.8580770	43.88126	.0821272	.5912316

#1	.0090761	2.798414	.0261360	-.008965	.0108898	.0996036
#2	.0069839	2.800618	.0264551	-.004719	.0109024	.1004399

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.000000				
Low Limit		-.005000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	588.9661	448.1624	4419.062	2206.749
Stddev	.8870	1.5073	15.606	6.602
%RSD	.1506009	.3363263	.3531546	.2991654

#1	589.5933	449.2282	4408.026	2202.081
#2	588.3389	447.0966	4430.097	2211.417

Sample Name: 500-111319-a-4-a Acquired: 5/10/2016 17:51:32 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000243	.0330708	.5008925	.1448237	.2406903	-.000164
Stddev	.000288	.0129794	.0072755	.0004356	.0001377	.000203
%RSD	118.4983	39.24732	1.452497	.3007960	.0572191	123.3670

#1	-.000039	.0422486	.5060370	.1445156	.2405930	-.000308
#2	-.000447	.0238930	.4957479	.1451317	.2407877	-.000021

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009130	307.5333	.0001840	.0004517	.0013883	.0068228
Stddev	.0022410	1.2580	.0001054	.0008829	.0007786	.0003224
%RSD	245.4669	.4090709	57.28102	195.4695	56.08040	4.725924

#1	.0024976	306.6438	.0002585	-.000173	.0008378	.0065948
#2	-.000672	308.4229	.0001095	.001076	.0019388	.0070508

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.287484	11.18098	.0089714	190.9790	1.141876	.0012417
Stddev	.041948	.01510	.0000352	.5059	.005809	.0005378
%RSD	.5756148	.1350762	.3924406	.2649184	.5087562	43.30629

#1	7.257822	11.19166	.0089963	190.6213	1.137768	.0016220
#2	7.317145	11.17030	.0089465	191.3368	1.145984	.0008615

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

Sample Name: 500-111319-a-4-a Acquired: 5/10/2016 17:51:32 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 1154.145	.0063374	-.000485	.0016881	.0041938	19.48326
Stddev	11.944	.0019451	.002007	.0002249	.0110026	.02855
%RSD	1.034909	30.69166	414.1694	13.32284	262.3540	.1465447

#1	1145.699	.0077128	.000935	.0018471	.0119738	19.46307
#2	1162.590	.0049621	-.001904	.0015290	-.003586	19.50345

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1000.000					
Low Limit	-1.00000					

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008136	F 4.901400	.0038862	-.004993	.0022816	.0822141
Stddev	.0005753	.013741	.0000840	.002652	.0008853	.0006937
%RSD	70.70581	.2803557	2.161411	53.12457	38.80144	.8437371

#1	.0004068	4.911117	.0039456	-.003117	.0016556	.0817236
#2	.0012204	4.891683	.0038268	-.006868	.0029075	.0827046

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.000000				
Low Limit		-.005000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	842.3667	547.7564	5546.060	2556.517
Stddev	.2570	.5868	3.078	5.277
%RSD	.0305094	.1071315	.0554951	.2064086

#1	842.1850	548.1714	5543.883	2560.249
#2	842.5484	547.3415	5548.236	2552.786

Sample Name: 500-111319-a-5-a Acquired: 5/10/2016 17:56:54 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000097	1.067108	.0453901	.6537346	.1082190	.0000465	-.003003
Stddev	.000371	.021917	.0047410	.0007055	.0000677	.0002439	.000741
%RSD	383.0171	2.053896	10.44505	.1079154	.0625957	524.0898	24.67162

#1	.000166	1.082605	.0487425	.6532357	.1081711	-.000126	-.002479
#2	-.000359	1.051610	.0420377	.6542334	.1082669	.000219	-.003527

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	54.23617	.0058521	-.000276	.0043447	.0102843	.2142851	136.2231
Stddev	.15517	.0002682	.000018	.0005829	.0001563	.0743045	.4114
%RSD	.2860935	4.582222	6.693350	13.41546	1.519818	34.67555	.3019926

#1	54.34589	.0060417	-.000289	.0039325	.0101737	.2668263	135.9322
#2	54.12645	.0056625	-.000263	.0047568	.0103948	.1617438	136.5140

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0078616	.2447930	.0026604	.0207213	472.9557	.0213322	.0012082
Stddev	.0005370	.0135691	.0005358	.0001656	2.0121	.0000516	.0029284
%RSD	6.831346	5.543097	20.13818	.7993371	.4254317	.2420923	242.3758

#1	.0082413	.2543878	.0022816	.0206042	474.3784	.0213687	-.000862
#2	.0074818	.2351982	.0030392	.0208384	471.5329	.0212956	.003279

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

Sample Name: 500-111319-a-5-a Acquired: 5/10/2016 17:56:54 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004363	-.001897	20.08290	-.000855	.8376369	.0046500	-.003035
Stddev	.0001014	.002830	.02236	.001142	.0015796	.0002083	.001042
%RSD	23.24038	149.1670	.1113163	133.5603	.1885807	4.480492	34.33313

#1	.0003646	-.003898	20.06709	-.001662	.8387539	.0047973	-.003772
#2	.0005080	.000104	20.09870	-.000048	.8365199	.0045027	-.002298

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.1083180	.0083019
Stddev	.0008727	.0000919
%RSD	.8057120	1.106642

#1	.1077009	.0083668
#2	.1089351	.0082369

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	963.5257	602.3255	6011.726	2703.519
Stddev	1.6142	.6339	10.097	2.746
%RSD	.1675288	.1052443	.1679578	.1015588

#1	964.6671	602.7737	6004.586	2705.460
#2	962.3843	601.8773	6018.866	2701.577

Sample Name: 500-111319-a-6-a Acquired: 5/10/2016 18:02:19 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000794	.3362732	.0943551	.1181089	1.290292	.0003978
Stddev	.000321	.0117540	.0007742	.0006159	.001760	.0000492
%RSD	40.47465	3.495362	.8205383	.5214628	.1363680	12.37725

#1	-.001021	.3279619	.0949026	.1176733	1.291536	.0003630
#2	-.000567	.3445845	.0938077	.1185444	1.289047	.0004326

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0036049	496.4616	.0005814	-.002407	.0053945	.0513544
Stddev	.0014680	1.5356	.0008650	.000054	.0020183	.0002092
%RSD	40.72051	.3093100	148.7887	2.222892	37.41458	.4073534

#1	.0046429	497.5475	-.000030	-.002370	.0039673	.0512065
#2	.0025669	495.3758	.001193	-.002445	.0068217	.0515023

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	30.19236	108.2026	.0388193	73.94502	1.632227	.0013612
Stddev	.11729	.4725	.0006762	.07933	.005912	.0002044
%RSD	.3884892	.4366682	1.742058	.1072787	.3621755	15.01600

#1	30.27530	108.5367	.0392975	74.00111	1.636407	.0012166
#2	30.10942	107.8685	.0383411	73.88893	1.628047	.0015057

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

Sample Name: 500-111319-a-6-a Acquired: 5/10/2016 18:02:19 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	*****	.0087190	.0049871	.0012309	.0010601	15.02503
Stddev	-----	.0011281	.0062347	.0037456	.0147030	.00768
%RSD	-----	12.93789	125.0164	304.3046	1386.929	.0510862

#1	-----	.0079214	.0005785	-.001418	-.009336	15.03045
#2	-----	.0095167	.0093957	.003879	.011457	15.01960

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0073490	F 2.849897	.0280865	-.006213	.0115254	.0939893
Stddev	.0006606	.012820	.0019012	.001844	.0000332	.0009042
%RSD	8.988747	.4498296	6.769062	29.67162	.2878953	.9620250

#1	.0078161	2.858962	.0294309	-.004910	.0115019	.0933499
#2	.0068819	2.840832	.0267422	-.007517	.0115489	.0946287

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.000000				
Low Limit		-.005000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	579.9511	441.2871	4377.988	2205.781
Stddev	1.3324	.0850	4.756	5.852
%RSD	.2297376	.0192711	.1086436	.2653088

#1	580.8932	441.2270	4374.625	2201.643
#2	579.0090	441.3473	4381.351	2209.919

Sample Name: CCV Acquired: 5/10/2016 18:06:39 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4802715	48.24485	.5310679	.4939991	.4898696	.4897773
Stddev	.0028786	.04773	.0041058	.0003116	.0014768	.0000762
%RSD	.5993779	.0989343	.7731250	.0630716	.3014673	.0155594

#1	.4823071	48.21110	.5281647	.4942195	.4888253	.4897234
#2	.4782361	48.27860	.5339712	.4937788	.4909138	.4898311

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4981032	23.29846	.4951606	.5140054	.4862239	.4869878
Stddev	.0038402	.00103	.0006800	.0002793	.0025855	.0008085
%RSD	.7709549	.0044208	.1373344	.0543295	.5317451	.1660118

#1	.5008186	23.29774	.4956415	.5142028	.4880521	.4875595
#2	.4953878	23.29919	.4946798	.5138079	.4843957	.4864161

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.79380	F 57.05119	4.068754	23.59497	4.654895	.5004337
Stddev	.14516	.16753	.018909	.05653	.005966	.0002862
%RSD	.6100779	.2936536	.4647309	.2396017	.1281636	.0571897

#1	23.89645	56.93272	4.055384	23.63494	4.650676	.5002313
#2	23.69116	57.16965	4.082125	23.55499	4.659113	.5006361

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		50.00000				
Range		10.00000%				

Sample Name: CCV Acquired: 5/10/2016 18:06:39 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.80149	.5046859	.5205274	.4907477	.4926402	.4544279
Stddev	.02723	.0005289	.0011039	.0071249	.0004255	.0001054
%RSD	.1097912	.1047939	.2120781	1.451847	.0863710	.0231908

#1	24.78224	.5050599	.5213079	.4857096	.4923393	.4543534
#2	24.82074	.5043119	.5197468	.4957858	.4929411	.4545025

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5036709	.4939235	.4835457	.5081214	5.113169	.4967865
Stddev	.0045940	.0006037	.0012927	.0048647	.016873	.0020002
%RSD	.9120939	.1222176	.2673351	.9573836	.3299951	.4026332

#1	.5004225	.4943504	.4844597	.5046816	5.125100	.4953722
#2	.5069194	.4934967	.4826316	.5115613	5.101237	.4982009

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1079.913	643.3456	6391.868	2782.030
Stddev	1.300	2.6781	12.398	8.850
%RSD	.1203575	.4162723	.1939710	.3181100

#1	1078.994	641.4519	6383.100	2788.288
#2	1080.832	645.2393	6400.635	2775.772

Sample Name: CCB Acquired: 5/10/2016 18:10:45 Type: QC

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000062	.0074405	-.001607	.0004816	-.000162	.0003780	.0012044
Stddev	.000901	.0095831	.000157	.0000925	.000154	.0003202	.0018805
%RSD	1457.438	128.7950	9.746773	19.21116	95.48323	84.71415	156.1397

#1	-.000699	.0142168	-.001717	.0005470	-.000053	.0001516	.0025342
#2	.000575	.0006643	-.001496	.0004162	-.000271	.0006044	-.000125

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002600	-.000152	.0000697	.0000465	.0014774	-.051683	.0999807
Stddev	.000327	.000063	.0000503	.0007313	.0002111	.002506	.0136138
%RSD	12.58758	41.37149	72.27408	1574.220	14.28632	4.848828	13.61639

#1	-.002832	-.000107	.0000341	.0005636	.0013281	-.053455	.1096070
#2	-.002369	-.000196	.0001053	-.000471	.0016266	-.049911	.0903543

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006092	-.005339	.0002543	.0002331	.2658847	.0004075	.0017962
Stddev	.0002981	.017408	.0000771	.0005705	.0016802	.0005982	.0010619
%RSD	48.92546	326.0514	30.31505	244.7997	.6319106	146.8164	59.11827

#1	.0008200	.006970	.0003088	.0006365	.2646967	-.000016	.0010454
#2	.0003985	-.017648	.0001998	-.000170	.2670728	.000830	.0025471

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

Sample Name: CCB Acquired: 5/10/2016 18:10:45 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000146	.0004779	-.000571	-.000133	-.000022	.0001293	-.000834
Stddev	.001093	.0012812	.001152	.000689	.000003	.0000731	.001858
%RSD	746.8656	268.0647	201.5940	519.3629	13.76618	56.47659	222.7512
#1	.000626	-.000428	-.001386	.000354	-.000024	.0000777	.000480
#2	-.000919	.001384	.000243	-.000620	-.000020	.0001810	-.002147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0001748	.0001137
Stddev	.0001312	.0001580
%RSD	75.05279	138.9063
#1	.0000820	.0000020
#2	.0002676	.0002255
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1218.240	669.7708	6662.528	2833.417
Stddev	.725	2.5131	16.336	.648
%RSD	.0595009	.3752180	.2451881	.0228735
#1	1218.753	671.5478	6674.079	2832.958
#2	1217.728	667.9938	6650.977	2833.875

Sample Name: 500-111319-a-7-a Acquired: 5/10/2016 18:15:01 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000206	1.191149	.8432485	.2084429	.1905520	.0004671	-.000076
Stddev	.000070	.007553	.0094606	.0004708	.0001294	.0001159	.000954
%RSD	34.09728	.6340613	1.121920	.2258564	.0679043	24.80492	1254.443

#1	-.000256	1.196489	.8365589	.2081101	.1906435	.0003852	.000599
#2	-.000156	1.185808	.8499381	.2087758	.1904605	.0005490	-.000751

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	239.0745	.0001924	.0012823	.0042146	.0079815	7.318456	24.86713
Stddev	2.0051	.0000242	.0003672	.0004174	.0002462	.075356	.01346
%RSD	.8386843	12.60074	28.63460	9.903585	3.084238	1.029677	.0541261

#1	240.4923	.0002095	.0010227	.0045097	.0081555	7.371741	24.87665
#2	237.6567	.0001752	.0015420	.0039195	.0078074	7.265171	24.85761

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0064530	72.80021	1.713377	.0007085	195.7803	.0021266	.0010639
Stddev	.0004592	.25970	.015380	.0003066	.3923	.0004630	.0013382
%RSD	7.115578	.3567364	.8976498	43.27899	.2003682	21.76964	125.7802

#1	.0061283	72.98385	1.724252	.0004917	196.0577	.0017993	.0020102
#2	.0067777	72.61657	1.702501	.0009253	195.5029	.0024540	.0001177

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

Sample Name: 500-111319-a-7-a Acquired: 5/10/2016 18:15:01 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0073350	.0011869	26.93263	-.000651	.4731930	.0396521	-.002106
Stddev	.0005394	.0019884	.02743	.000928	.0003879	.0014598	.000902
%RSD	7.354257	167.5286	.1018635	142.5421	.0819799	3.681594	42.82165

#1	.0069536	.0025930	26.91323	.000005	.4729187	.0406844	-.002744
#2	.0077164	-.000219	26.95203	-.001307	.4734673	.0386199	-.001468

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0069594	1.567125
Stddev	.0001976	.000751
%RSD	2.839840	.0479450

#1	.0068196	1.566593
#2	.0070991	1.567656

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	964.8155	593.0105	6033.973	2701.333
Stddev	.7074	.0915	7.992	12.158
%RSD	.0733167	.0154343	.1324562	.4500678

#1	965.3156	593.0753	6039.624	2692.736
#2	964.3153	592.9458	6028.321	2709.930

Sample Name: 500-111319-a-8-a Acquired: 5/10/2016 18:19:17 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000500	.0189932	12.50932	.2120198	.9124259	-.000099	-.000777
Stddev	.000337	.0131407	.02551	.0000101	.0029511	.000384	.000599
%RSD	67.47118	69.18642	.2039355	.0047544	.3234324	387.6906	77.12564

#1	-.000739	.0097013	12.49128	.2120127	.9103391	-.000371	-.000353
#2	-.000262	.0282850	12.52736	.2120269	.9145126	.000172	-.001200

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	449.6486	.0009627	-.000627	.0028284	.0047801	65.25430	32.03305
Stddev	1.9540	.0004003	.000279	.0000531	.0001001	.11884	.20514
%RSD	.4345716	41.57968	44.52631	1.877710	2.093502	.1821213	.6404008

#1	451.0303	.0012458	-.000430	.0028660	.0048509	65.33833	31.88799
#2	448.2669	.0006797	-.000825	.0027909	.0047093	65.17027	32.17810

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0100353	133.3999	1.896818	-.000092	496.6658	.0046475	-.000006
Stddev	.0005760	.0577	.000875	.000069	1.3506	.0001518	.001845
%RSD	5.739677	.0432681	.0461189	75.34614	.2719331	3.266090	28754.50

#1	.0096280	133.4407	1.897437	-.000043	495.7107	.0047548	.001298
#2	.0104426	133.3591	1.896199	-.000141	497.6208	.0045402	-.001311

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

Sample Name: 500-111319-a-8-a Acquired: 5/10/2016 18:19:17 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0027995	-.003814	20.28720	-.000397	1.057695	.0044485	-.002695
Stddev	.0034504	.004836	.05576	.002021	.004308	.0000775	.000246
%RSD	123.2527	126.7944	.2748636	508.7137	.4072965	1.742660	9.117087

#1	.0003596	-.007234	20.24777	-.001827	1.060741	.0045033	-.002869
#2	.0052392	-.000394	20.32663	.001032	1.054649	.0043937	-.002521

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0065277	.0032130
Stddev	.0000733	.0000057
%RSD	1.123076	.1783406

#1	.0065796	.0032171
#2	.0064759	.0032090

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	885.8733	564.6699	5720.968	2617.104
Stddev	.9159	2.0548	14.618	3.333
%RSD	.1033862	.3638996	.2555227	.1273659

#1	886.5210	566.1229	5710.631	2619.461
#2	885.2257	563.2169	5731.305	2614.747

Sample Name: 500-111319-a-9-a Acquired: 5/10/2016 18:24:37 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000220	.0265543	1.064131	.5090238	.0819017	-.000016
Stddev	.000148	.0186915	.007845	.0009888	.0000040	.000314
%RSD	67.24659	70.38960	.7371960	.1942609	.0049251	1991.977

#1	-.000325	.0133374	1.069678	.5097230	.0819046	-.000238
#2	-.000116	.0397712	1.058584	.5083246	.0818989	.000206

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001833	58.93874	.0001903	-.000595	.0008449	.0045032
Stddev	.0022765	.02479	.0004276	.000332	.0007189	.0002751
%RSD	1242.166	.0420656	224.7259	55.87925	85.08819	6.109952

#1	-.001426	58.95627	-.000112	-.000830	.0013532	.0043086
#2	.001793	58.92121	.000493	-.000360	.0003365	.0046977

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0440844	145.1518	.0015311	1.434874	.0015686	.0308252
Stddev	.1109813	.0389	.0002103	.016597	.0001945	.0002276
%RSD	251.7473	.0268041	13.73875	1.156711	12.40153	.7383413

#1	.1225600	145.1793	.0016799	1.423138	.0017062	.0309861
#2	-.034391	145.1243	.0013824	1.446610	.0014310	.0306643

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

Sample Name: 500-111319-a-9-a Acquired: 5/10/2016 18:24:37 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	205.4527	.0078675	.0000426	.0337706	-.000709	9.545675
Stddev	1.1627	.0006043	.0012248	.0027106	.006914	.005181
%RSD	.5659310	7.680646	2876.519	8.026420	975.6704	.0542726

#1	206.2749	.0082948	.0009086	.0318539	-.005598	9.542012
#2	204.6306	.0074402	-.000823	.0356872	.004180	9.549338

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000672	F 2.462589	.0042974	-.002297	.0070265	.0076883
Stddev	.002227	.000133	.0001602	.000538	.0002706	.0001680
%RSD	331.5943	.0053952	3.728867	23.42679	3.851452	2.185566

#1	.000903	2.462683	.0041841	-.002677	.0072179	.0078071
#2	-.002247	2.462495	.0044107	-.001916	.0068351	.0075695

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.000000				
Low Limit		-.005000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1013.382	612.8714	6153.246	2722.475
Stddev	.419	1.7982	5.929	1.554
%RSD	.0413662	.2934136	.0963490	.0570685

#1	1013.678	611.5999	6157.438	2721.376
#2	1013.085	614.1430	6149.054	2723.573

Sample Name: 500-111319-a-10-a Acquired: 5/10/2016 18:30:02 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000461	.0301431	.4417773	.0992168	.2143877	.0004692	-.001001
Stddev	.000164	.0079771	.0026121	.0002571	.0004593	.0005595	.002850
%RSD	35.53902	26.46404	.5912787	.2591649	.2142309	119.2612	284.7513

#1	-.000577	.0245025	.4436244	.0990350	.2147124	.0008648	-.003016
#2	-.000345	.0357838	.4399303	.0993986	.2140629	.0000735	.001014

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	307.4591	-.000043	-.000893	.0030355	.0047636	80.80407	28.33123
Stddev	1.9333	.000162	.001237	.0008381	.0004247	.43347	.03549
%RSD	.6287919	378.8099	138.6227	27.61179	8.915771	.5364430	.1252845

#1	308.8261	-.000158	-.000018	.0024428	.0050639	81.11058	28.30613
#2	306.0920	.000072	-.001768	.0036282	.0044633	80.49757	28.35632

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024579	114.7482	1.625612	.0020316	301.8343	.0048907	.0023900
Stddev	.0001217	.7451	.006812	.0000146	2.1799	.0021296	.0004892
%RSD	4.950287	.6493589	.4190288	.7196719	.7222225	43.54292	20.46747

#1	.0025440	115.2751	1.630428	.0020419	303.3757	.0033849	.0027360
#2	.0023719	114.2213	1.620795	.0020213	300.2928	.0063965	.0020441

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

Sample Name: 500-111319-a-10-a Acquired: 5/10/2016 18:30:02 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013457	.0003362	20.45779	.0012355	.4206526	.0063626	-.001753
Stddev	.0002549	.0015855	.05373	.0000432	.0005389	.0001942	.000704
%RSD	18.94250	471.6335	.2626160	3.495436	.1281192	3.051833	40.15632

#1	.0011654	.0014573	20.49578	.0012050	.4202715	.0062253	-.001255
#2	.0015259	-.000785	20.41980	.0012660	.4210337	.0064999	-.002251

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0076606	.0077202
Stddev	.0003417	.0003181
%RSD	4.460328	4.120784

#1	.0074190	.0074953
#2	.0079022	.0079452

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	926.4080	578.4487	5903.450	2659.987
Stddev	1.3171	1.2357	4.947	2.054
%RSD	.1421762	.2136313	.0838020	.0772281

#1	927.3394	577.5748	5899.952	2661.440
#2	925.4767	579.3225	5906.949	2658.534

Sample Name: 500-111319-a-11-a Acquired: 5/10/2016 18:35:16 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000046	.0301008	.0064464	.0670573	.0625170	.0000697	-.000849
Stddev	.000696	.0042620	.0008204	.0008192	.0001405	.0000982	.002900
%RSD	1526.097	14.15907	12.72664	1.221709	.2247512	140.8521	341.7321

#1	-.000537	.0331144	.0058663	.0664780	.0626164	.0001391	.001202
#2	.000446	.0270871	.0070265	.0676366	.0624177	.0000003	-.002899

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	97.99777	-.000110	.0001562	.0009321	.0033008	2.690975	1.903830
Stddev	.46654	.000367	.0002333	.0001841	.0000720	.021146	.011537
%RSD	.4760698	334.5149	149.3849	19.74849	2.181624	.7858037	.6059901

#1	97.66787	.000150	-.000009	.0008019	.0032498	2.676022	1.911988
#2	98.32766	-.000369	.000321	.0010622	.0033517	2.705927	1.895672

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0038031	23.37800	.0796848	.0005205	11.00159	-.000235	-.002263
Stddev	.0000276	.06408	.0003222	.0003558	.01564	.001507	.001064
%RSD	.7257098	.2741103	.4043273	68.35071	.1421988	640.1129	47.00159

#1	.0038226	23.33269	.0799126	.0007720	11.01265	.000830	-.003016
#2	.0037836	23.42331	.0794569	.0002689	10.99053	-.001301	-.001511

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

Sample Name: 500-111319-a-11-a Acquired: 5/10/2016 18:35:16 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000143	.0052162	20.28400	.0019848	.3685561	.0047253	-.002242
Stddev	.001354	.0032605	.14158	.0004848	.0003081	.0000738	.000194
%RSD	949.8385	62.50744	.6980033	24.42446	.0835872	1.562536	8.669358

#1	-.001100	.0075217	20.18389	.0016421	.3683383	.0047775	-.002380
#2	.000815	.0029107	20.38412	.0023277	.3687740	.0046731	-.002105

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0020656	.0066923
Stddev	.0004344	.0004859
%RSD	21.02908	7.260860

#1	.0023727	.0063487
#2	.0017584	.0070358

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1093.021	629.9348	6376.275	2812.112
Stddev	3.102	3.2064	5.844	3.770
%RSD	.2838449	.5090070	.0916489	.1340587

#1	1095.215	632.2021	6380.408	2814.778
#2	1090.827	627.6675	6372.143	2809.447

Sample Name: 500-111319-a-12-a Acquired: 5/10/2016 18:39:28 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002645	.0313808	.1500916	.3201087	.1426639	.0004531	-.000599
Stddev	.0005140	.0006047	.0011466	.0003841	.0004107	.0003982	.000412
%RSD	194.3418	1.926857	.7639437	.1200031	.2878668	87.87610	68.82020

#1	-.000099	.0318083	.1509023	.3203803	.1423735	.0001716	-.000891
#2	.000628	.0309532	.1492808	.3198371	.1429543	.0007347	-.000308

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	148.7859	.0000591	.0001326	.0016011	.0032075	37.18561	25.42625
Stddev	.6118	.0001686	.0000427	.0000999	.0001927	.25564	.02189
%RSD	.4111888	285.1947	32.20553	6.236777	6.007722	.6874699	.0860850

#1	148.3533	-.000060	.0001628	.0015305	.0030713	37.00485	25.41077
#2	149.2185	.000178	.0001024	.0016717	.0033438	37.36638	25.44172

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0050233	50.46850	1.206944	-.000242	44.19285	.0009461	-.003069
Stddev	.0000591	.26987	.002056	.000002	.13264	.0001416	.001068
%RSD	1.177318	.5347232	.1703112	.6243271	.3001389	14.96923	34.79569

#1	.0050651	50.27768	1.205490	-.000243	44.09906	.0008459	-.002314
#2	.0049815	50.65933	1.208397	-.000241	44.28664	.0010462	-.003825

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

Sample Name: 500-111319-a-12-a Acquired: 5/10/2016 18:39:28 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.000672	-0.002869	22.84151	.0006002	.4804583	.0060965	-.004689
Stddev	.000148	.000563	.02568	.0016418	.0000805	.0000941	.001329
%RSD	21.99126	19.63631	.1124247	273.5268	.0167602	1.544127	28.34663

#1	-0.000568	-0.003267	22.85967	-0.000561	.4804014	.0060300	-.005629
#2	-0.000777	-0.002470	22.82335	.001761	.4805153	.0061631	-.003749

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0031808	.0031357
Stddev	.0001556	.0000172
%RSD	4.891020	.5484197

#1	.0030708	.0031236
#2	.0032909	.0031479

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1035.807	614.4181	6242.031	2759.262
Stddev	2.772	.2505	5.207	11.113
%RSD	.2676380	.0407642	.0834158	.4027561

#1	1037.767	614.5952	6245.713	2767.120
#2	1033.846	614.2410	6238.350	2751.404

Sample Name: 500-111319-a-13-a Acquired: 5/10/2016 18:43:38 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000238	.0161752	.0193659	.2954806	.0567420	.0001919	-.002192
Stddev	.000192	.0015951	.0016671	.0024252	.0001725	.0001004	.002524
%RSD	80.67380	9.861135	8.608617	.8207760	.3041005	52.29719	115.1536

#1	-.000373	.0150473	.0205448	.2971955	.0568640	.0001210	-.000407
#2	-.000102	.0173031	.0181871	.2937657	.0566200	.0002629	-.003977

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	155.4099	.0002846	-.000721	.0007197	.0028875	1.972347	22.96171
Stddev	.1040	.0001158	.000615	.0005786	.0001063	.077239	.12468
%RSD	.0669224	40.69971	85.35057	80.39694	3.680850	3.916116	.5429835

#1	155.3363	.0002027	-.001156	.0011289	.0028123	2.026964	23.04987
#2	155.4834	.0003665	-.000286	.0003106	.0029626	1.917731	22.87355

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0084423	48.53722	1.083920	.0001481	52.68263	.0012919	-.000079
Stddev	.0000162	.12128	.003517	.0003013	.25275	.0007656	.000276
%RSD	.1919327	.2498735	.3244802	203.4829	.4797557	59.26056	347.6135

#1	.0084308	48.62298	1.086407	-.000065	52.86135	.0018332	-.000275
#2	.0084537	48.45146	1.081433	.000361	52.50391	.0007505	.000116

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

Sample Name: 500-111319-a-13-a Acquired: 5/10/2016 18:43:38 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009103	.0005578	17.58151	.0003359	.5988339	.0037338	-.001524
Stddev	.0025051	.0069483	.02790	.0001462	.0012410	.0000283	.001584
%RSD	275.1934	1245.607	.1586910	43.52429	.2072311	.7575015	103.9076

#1	-.000861	.0054710	17.60124	.0004393	.5979564	.0037538	-.000404
#2	.002682	-.004355	17.56178	.0002325	.5997114	.0037138	-.002644

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0008804	.0029103
Stddev	.0007068	.0001134
%RSD	80.27830	3.895604

#1	.0013802	.0028301
#2	.0003807	.0029905

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1031.250	613.5038	6248.204	2750.489
Stddev	1.402	2.2370	7.219	10.700
%RSD	.1359671	.3646328	.1155404	.3890296

#1	1030.259	611.9220	6253.309	2742.923
#2	1032.242	615.0856	6243.099	2758.055

Sample Name: 500-111319-a-14-a Acquired: 5/10/2016 18:47:49 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000599	.0194847	.3752353	.3151576	.0853769	.0000163	-.001506
Stddev	.000728	.0035221	.0072223	.0024062	.0004230	.0000685	.003779
%RSD	121.5423	18.07628	1.924753	.7634745	.4954655	419.7713	250.8725

#1	-.000084	.0169942	.3803422	.3168590	.0850778	-.000032	.001166
#2	-.001114	.0219753	.3701283	.3134562	.0856760	.000065	-.004179

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	33.87204	.0004515	.0001395	.0002597	.0046146	.0496640	101.7178
Stddev	.15481	.0000985	.0007813	.0003775	.0003302	.0221589	.5031
%RSD	.4570384	21.82704	560.2784	145.3516	7.156195	44.61771	.4946154

#1	33.76257	.0005212	.0006919	.0005267	.0043811	.0339952	101.3620
#2	33.98151	.0003818	-.000413	-.000007	.0048481	.0653327	102.0735

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0574182	11.77003	.0016867	.0161598	154.4164	.0090356	.0011890
Stddev	.0007548	.05000	.0002825	.0002263	1.6654	.0016597	.0008443
%RSD	1.314620	.4248079	16.74810	1.400163	1.078494	18.36804	71.01175

#1	.0568844	11.73468	.0018865	.0163198	153.2388	.0102092	.0017860
#2	.0579519	11.80539	.0014870	.0159998	155.5940	.0078620	.0005920

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

Sample Name: 500-111319-a-14-a Acquired: 5/10/2016 18:47:49 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0060269	.0004841	9.105675	.0012475	1.121245	.0038445	-.003652
Stddev	.0020916	.0008322	.059719	.0004072	.028466	.0001472	.000728
%RSD	34.70387	171.8859	.6558473	32.64034	2.538762	3.829015	19.93249

#1	.0075059	-.000104	9.147903	.0015354	1.101116	.0039486	-.004167
#2	.0045480	.001073	9.063447	.0009595	1.141373	.0037404	-.003138

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0028469	.0063599
Stddev	.0004240	.0002324
%RSD	14.89379	3.654191

#1	.0031467	.0065242
#2	.0025471	.0061955

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1036.901	619.7972	6237.066	2771.421
Stddev	5.961	3.7494	16.427	10.217
%RSD	.5748728	.6049431	.2633723	.3686645

#1	1032.686	617.1460	6248.682	2778.646
#2	1041.116	622.4485	6225.451	2764.196

Sample Name: 500-111319-a-15-a Acquired: 5/10/2016 18:52:12 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003178	.0430939	.3736812	.3083944	.0854770	.0003634	-.001270
Stddev	.0001101	.0188236	.0023506	.0011576	.0000918	.0001435	.000684
%RSD	34.62438	43.68027	.6290432	.3753765	.1073648	39.50075	53.86861

#1	.0002400	.0297837	.3720190	.3075758	.0854121	.0004648	-.001753
#2	.0003957	.0564042	.3753433	.3092130	.0855419	.0002619	-.000786

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	33.56551	.0005122	-.000090	.0000875	.0046394	.0771390	102.1964
Stddev	.04976	.0000007	.000101	.0005413	.0001972	.0253638	.4228
%RSD	.1482512	.1395424	112.3838	618.4087	4.249970	32.88065	.4136747

#1	33.53033	.0005117	-.000162	-.000295	.0047788	.0950739	101.8975
#2	33.60070	.0005127	-.000018	.000470	.0045000	.0592041	102.4954

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0580859	11.73142	.0019006	.0159752	153.0058	.0140112	-.000270
Stddev	.0001753	.03799	.0001839	.0000319	1.0189	.0003043	.004109
%RSD	.3018005	.3238239	9.674265	.2000009	.6659548	2.171461	1523.217

#1	.0579619	11.70456	.0017706	.0159526	153.7263	.0137961	-.003175
#2	.0582098	11.75829	.0020306	.0159978	152.2853	.0142264	.002635

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

Sample Name: 500-111319-a-15-a Acquired: 5/10/2016 18:52:12 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0066548	-.002428	9.044534	.0012494	1.127276	.0038125	-.002507
Stddev	.0021965	.004092	.013101	.0016295	.006052	.0003641	.002563
%RSD	33.00719	168.5368	.1448472	130.4250	.5368492	9.549324	102.2669

#1	.0082079	.000466	9.035271	.0000972	1.122996	.0035551	-.000694
#2	.0051016	-.005321	9.053798	.0024017	1.131555	.0040699	-.004319

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0028378	.0083493
Stddev	.0005240	.0002377
%RSD	18.46477	2.846710

#1	.0032083	.0081812
#2	.0024672	.0085174

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1041.260	624.4958	6239.443	2762.594
Stddev	.488	.4225	3.343	6.457
%RSD	.0468550	.0676565	.0535787	.2337245

#1	1040.916	624.7945	6241.807	2767.160
#2	1041.606	624.1970	6237.079	2758.028

Sample Name: 500-111319-a-16-a Acquired: 5/10/2016 18:56:36 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000356	.0848565	.5856028	.2164513	.3896552	.0000576
Stddev	.000378	.0232302	.0250729	.0090939	.0010057	.0002940
%RSD	106.0867	27.37582	4.281556	4.201337	.2580927	510.1126

#1	-.000089	.0684303	.6033320	.2228816	.3903663	-.000150
#2	-.000623	.1012827	.5678736	.2100210	.3889441	.000266

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014555	180.3551	.0007512	-.002050	.0029968	.0058679
Stddev	.0025080	.2842	.0002601	.000646	.0004801	.0003886
%RSD	172.3178	.1575940	34.62473	31.51025	16.02053	6.623202

#1	-.000318	180.5561	.0005673	-.002507	.0033363	.0055931
#2	.003229	180.1541	.0009351	-.001593	.0026573	.0061427

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	17.80300	61.15085	.0314456	69.63096	.5574383	.0013896
Stddev	.00701	.12181	.0000258	.15154	.0011457	.0001445
%RSD	.0393901	.1991925	.0821410	.2176340	.2055352	10.39634

#1	17.80796	61.23698	.0314273	69.73812	.5566282	.0012874
#2	17.79804	61.06472	.0314638	69.52381	.5582485	.0014918

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

Sample Name: 500-111319-a-16-a Acquired: 5/10/2016 18:56:36 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 2130.771	.0020347	-.000530	-.001169	-.000392	17.10999
Stddev	14.304	.0011047	.004501	.002038	.007110	.80842
%RSD	.6712862	54.29186	849.3900	174.3809	1813.831	4.724868

#1	2140.885	.0028159	-.003712	.000272	.004636	17.68163
#2	2120.657	.0012536	.002652	-.002610	-.005420	16.53834

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1000.000					
Low Limit	-1.00000					

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0039667	.8471106	.0120809	-.007277	.0048692	.0077180
Stddev	.0001491	.0001417	.0002399	.005486	.0003725	.0001962
%RSD	3.759712	.0167316	1.986098	75.38726	7.651016	2.541415

#1	.0040722	.8470104	.0122506	-.011156	.0046057	.0078567
#2	.0038612	.8472109	.0119113	-.003398	.0051326	.0075793

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	805.7161	545.7684	5294.094	2521.338
Stddev	25.3892	20.0991	1.152	1.794
%RSD	3.151137	3.682710	.0217534	.0711563

#1	787.7632	531.5562	5293.280	2522.606
#2	823.6690	559.9806	5294.908	2520.069

Sample Name: CCV Acquired: 5/10/2016 19:02:00 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4748404	48.12051	.5459662	.4900967	.4901905	.4885531
Stddev	.0008300	.03351	.0022653	.0007278	.0012938	.0022267
%RSD	.1747921	.0696438	.4149133	.1484922	.2639355	.4557744

#1	.4754272	48.09681	.5443644	.4906113	.4911054	.4869786
#2	.4742535	48.14421	.5475680	.4895821	.4892757	.4901276

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4963347	23.14563	.4944054	.5149049	.4852285	.4800968
Stddev	.0005562	.12026	.0000123	.0012319	.0034767	.0020595
%RSD	.1120546	.5195727	.0024858	.2392446	.7165173	.4289855

#1	.4959415	23.06060	.4944140	.5157760	.4876869	.4815531
#2	.4967280	23.23067	.4943967	.5140339	.4827701	.4786405

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.66639	F 57.41583	4.071132	23.38576	4.650821	.5002623
Stddev	.10195	.01444	.000612	.11512	.015307	.0000446
%RSD	.4307910	.0251518	.0150267	.4922528	.3291149	.0089111

#1	23.59429	57.42605	4.071565	23.30436	4.639997	.5002938
#2	23.73848	57.40562	4.070699	23.46716	4.661644	.5002307

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		50.00000				
Range		10.00000%				

Sample Name: CCV Acquired: 5/10/2016 19:02:00 Type: QC
Method: P8051016A Mode: CONC Corr. Factor: 1.000000
User: JonesP Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.26704	.5038939	.5250345	.4860429	.4986953	.4521824
Stddev	.04132	.0002722	.0036302	.0009354	.0029025	.0022645
%RSD	.1702830	.0540256	.6914248	.1924556	.5820235	.5007927

#1	24.29626	.5037014	.5276014	.4853815	.5007477	.4537837
#2	24.23782	.5040864	.5224675	.4867044	.4966429	.4505812

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5003160	.4898638	.4760913	.5125663	5.141166	.4915824
Stddev	.0006297	.0002523	.0005464	.0013973	.015118	.0007652
%RSD	.1258607	.0515054	.1147742	.2726030	.2940649	.1556679

#1	.4998707	.4900422	.4764777	.5135543	5.151857	.4921235
#2	.5007612	.4896854	.4757049	.5115782	5.130476	.4910413

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1078.143	643.0350	6380.624	2793.646
Stddev	1.289	.6834	3.576	10.479
%RSD	.1195615	.1062840	.0560411	.3750886

#1	1077.232	643.5183	6383.152	2801.055
#2	1079.055	642.5518	6378.095	2786.236

Sample Name: CCB Acquired: 5/10/2016 19:06:08 Type: QC

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000267	-.023097	-.001075	.0009863	-.000219	.0001819	.0001680
Stddev	.000710	.006403	.001812	.0003982	.000095	.0001308	.0020102
%RSD	265.5526	27.72110	168.5879	40.36961	43.24256	71.89860	1196.406

#1	-.000770	-.027625	-.002357	.0007048	-.000152	.0002744	.0015895
#2	.000235	-.018570	.000207	.0012679	-.000286	.0000894	-.001253

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001313	-.000059	.0004524	-.000477	.0014412	.0101005	.0813286
Stddev	.002978	.000019	.0001786	.001017	.0005045	.0321352	.0211795
%RSD	226.8350	32.06744	39.48084	213.2382	35.00472	318.1542	26.04189

#1	-.003418	-.000073	.0003261	.000242	.0017979	.0328235	.0963048
#2	.000793	-.000046	.0005787	-.001196	.0010845	-.012622	.0663524

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004321	.0336090	.0004398	-.000006	.0865195	.0008959	.0011753
Stddev	.0000661	.0252640	.0000969	.000689	.0018779	.0010164	.0002687
%RSD	15.29604	75.17038	22.03634	12119.91	2.170503	113.4577	22.86539

#1	.0004788	.0514734	.0003713	-.000493	.0878474	.0016146	.0009853
#2	.0003854	.0157447	.0005084	.000482	.0851916	.0001771	.0013653

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

Sample Name: CCB Acquired: 5/10/2016 19:06:08 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015831	-.003045	.0007356	.0011837	.0000017	.0000393	.0002702
Stddev	.0006741	.001875	.0007315	.0014234	.0000029	.0000138	.0009578
%RSD	42.58472	61.56946	99.45328	120.2486	168.0184	35.05534	354.5153
#1	.0011064	-.001720	.0002183	.0021902	.0000038	.0000296	-.000407
#2	.0020598	-.004371	.0012529	.0001772	-.000000	.0000491	.000947
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0005479	.0001555
Stddev	.0003633	.0001468
%RSD	66.29956	94.43373
#1	.0008048	.0000517
#2	.0002911	.0002593
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1222.192	675.1413	6686.638	2833.208
Stddev	2.135	.9812	3.782	2.195
%RSD	.1747119	.1453392	.0565633	.0774635
#1	1220.682	674.4474	6683.963	2834.760
#2	1223.702	675.8351	6689.312	2831.657

Sample Name: 500-111319-a-17-a Acquired: 5/10/2016 19:10:24 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000101	.0516341	.0093562	.1211971	.3406082	-.000035
Stddev	.000575	.0056740	.0007225	.0001889	.0008899	.000000
%RSD	568.4658	10.98896	7.722080	.1558434	.2612786	.5727158

#1	.000305	.0476220	.0098671	.1210636	.3399789	-.000035
#2	-.000508	.0556463	.0088453	.1213307	.3412375	-.000035

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019816	135.4802	.0001774	-.001313	.0013444	.0073956
Stddev	.0013744	.0653	.0000474	.000918	.0001198	.0003907
%RSD	69.35972	.0481935	26.72301	69.90831	8.909710	5.283324

#1	.0029534	135.4341	.0002109	-.001962	.0014291	.0071193
#2	.0010097	135.5264	.0001439	-.000664	.0012597	.0076719

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8385596	34.96232	.0148422	51.66101	.2364430	.0037401
Stddev	.0071262	.06345	.0000054	.11147	.0002564	.0006564
%RSD	.8498121	.1814872	.0361020	.2157681	.1084275	17.54970

#1	.8335206	34.91746	.0148460	51.58219	.2366243	.0042042
#2	.8435985	35.00719	.0148384	51.73983	.2362617	.0032760

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

Sample Name: 500-111319-a-17-a Acquired: 5/10/2016 19:10:24 Type: Unk

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 1652.935	.0039912	.0002849	.0010806	.0013383	16.62153
Stddev	6.165	.0004538	.0032472	.0020953	.0008900	.05264
%RSD	.3730028	11.36884	1139.792	193.9002	66.50286	.3166861

#1	1657.295	.0043120	-.002011	-.000401	.0007090	16.58431
#2	1648.576	.0036703	.002581	.002562	.0019676	16.65875

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1000.000					
Low Limit	-1.00000					

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000472	F 2.646398	.0059081	-.003703	.0025009	.0211770
Stddev	.0010373	.001489	.0000973	.002431	.0006955	.0007469
%RSD	2198.400	.0562793	1.647418	65.64776	27.80926	3.526970

#1	.0007807	2.645345	.0059769	-.005422	.0020091	.0217052
#2	-.000686	2.647451	.0058393	-.001984	.0029927	.0206489

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.000000				
Low Limit		-.005000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	823.6027	548.5764	5475.171	2566.996
Stddev	3.8818	2.4447	4.552	1.596
%RSD	.4713208	.4456416	.0831393	.0621801

#1	826.3476	550.3050	5478.389	2568.125
#2	820.8579	546.8477	5471.952	2565.868

Sample Name: CCV Acquired: 5/10/2016 19:15:48 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4784015	48.19231	.5445885	.4889382	.4893975	.4891896
Stddev	.0019754	.40961	.0026407	.0022051	.0036720	.0021055
%RSD	.4129089	.8499416	.4848901	.4510043	.7503044	.4304078
#1	.4797983	48.48194	.5427213	.4904975	.4919940	.4906784
#2	.4770047	47.90267	.5464558	.4873790	.4868011	.4877008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4951328	23.21198	.4944489	.5157432	.4863287	.4790889
Stddev	.0002336	.07122	.0002496	.0014990	.0024056	.0009685
%RSD	.0471748	.3068417	.0504878	.2906501	.4946469	.2021486
#1	.4949676	23.26234	.4946254	.5146833	.4880297	.4784040
#2	.4952979	23.16161	.4942724	.5168032	.4846276	.4797737
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.75276	F 57.36844	4.068567	23.46390	4.652839	.5028018
Stddev	.05528	.47429	.049650	.07933	.014724	.0014445
%RSD	.2327365	.8267501	1.220323	.3380789	.3164445	.2872860
#1	23.71367	57.70382	4.103674	23.52000	4.663250	.5017804
#2	23.79185	57.03306	4.033459	23.40781	4.642427	.5038232
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		50.00000				
Range		10.00000%				

Sample Name: CCV Acquired: 5/10/2016 19:15:48 Type: QC
Method: P8051016A Mode: CONC Corr. Factor: 1.000000
User: JonesP Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.16944	.5048212	.5251418	.4881855	.4979648	F .4477904
Stddev	.21083	.0012829	.0024432	.0001157	.0059143	.0031580
%RSD	.8722871	.2541316	.4652474	.0237084	1.187697	.7052476

#1	24.31852	.5039140	.5268694	.4882673	.4937828	.4500234
#2	24.02036	.5057283	.5234142	.4881036	.5021469	.4455573

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						.5000000
Range						-10.0000%

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5032477	.4903341	.4765440	.5101110	5.151888	.4942796
Stddev	.0032902	.0011051	.0006592	.0037758	.003703	.0013008
%RSD	.6537976	.2253762	.1383353	.7401817	.0718707	.2631747

#1	.5009211	.4911156	.4770102	.5074412	5.149269	.4933598
#2	.5055742	.4895527	.4760779	.5127809	5.154506	.4951994

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1082.840	646.5982	6402.283	2787.287
Stddev	.632	1.0862	20.329	14.803
%RSD	.0583673	.1679907	.3175311	.5310849

#1	1082.393	645.8301	6387.909	2776.820
#2	1083.287	647.3663	6416.658	2797.754

Sample Name: CCB Acquired: 5/10/2016 19:19:53 Type: QC

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001413	-.017336	.0006461	.0001901	-.000310	.0001072	-.002045
Stddev	.0002350	.015940	.0013254	.0002588	.000030	.0001689	.001701
%RSD	166.2906	91.94885	205.1187	136.1113	9.809432	157.5340	83.15884

#1	.0003075	-.028608	.0015833	.0000071	-.000332	-.000012	-.000843
#2	-.000025	-.006065	-.000291	.0003731	-.000289	.000227	-.003248

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003746	-.000230	-.000040	-.000078	.0015758	.0085745	.0802297
Stddev	.001187	.000133	.000477	.000047	.0001580	.0198246	.0049710
%RSD	31.68828	57.92216	1201.471	60.24350	10.02934	231.2038	6.195897

#1	-.004586	-.000136	.000298	-.000045	.0016876	.0225926	.0767147
#2	-.002907	-.000325	-.000377	-.000111	.0014641	-.005444	.0837447

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005266	.0205680	.0001307	-.000414	.0761056	.0011441	.0004006
Stddev	.0004519	.0162088	.0000834	.000138	.0013602	.0004604	.0006427
%RSD	85.82050	78.80625	63.82116	33.44508	1.787245	40.24183	160.4365

#1	.0002070	.0320293	.0000717	-.000316	.0751438	.0014697	.0008550
#2	.0008462	.0091066	.0001897	-.000512	.0770674	.0008186	-.000054

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

Sample Name: CCB Acquired: 5/10/2016 19:19:53 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023873	-.002976	-.000332	.0003722	-.000011	.0001572	-.000187
Stddev	.0012000	.001454	.000143	.0005811	.000000	.0000625	.001470
%RSD	50.26538	48.85911	43.19546	156.1533	3.347058	39.77867	786.8196
#1	.0032358	-.004004	-.000231	-.000039	-.000011	.0002014	.000853
#2	.0015388	-.001948	-.000434	.000783	-.000011	.0001130	-.001226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0000322	.0001218
Stddev	.0003279	.0001260
%RSD	1019.463	103.4033
#1	.0002640	.0002109
#2	-.000200	.0000328
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1223.184	674.9034	6692.928	2847.384
Stddev	1.475	2.2860	14.800	5.862
%RSD	.1205643	.3387152	.2211306	.2058859
#1	1224.227	676.5199	6682.463	2851.529
#2	1222.141	673.2870	6703.394	2843.238

Sample Name: CCVL Acquired: 5/10/2016 19:23:18 Type: QC

Method: P8051016A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0048592	.1973446	.0108427	.0507107	.0098537	.0041559	.0487642
Stddev	.0005910	.0273660	.0004676	.0005167	.0000328	.0000779	.0001554
%RSD	12.16245	13.86710	4.312463	1.018844	.3330051	1.874388	.3185723

#1	.0052771	.1779939	.0111734	.0510760	.0098305	.0041008	.0486544
#2	.0044413	.2166952	.0105121	.0503453	.0098769	.0042110	.0488741

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1943631	.0019731	.0051001	.0094254	.0112680	.2233304	.6072625
Stddev	.0066565	.0003187	.0003687	.0004469	.0001119	.0206901	.0013744
%RSD	3.424787	16.15129	7.229347	4.741987	.9931678	9.264364	.2263339

#1	.1990700	.0017478	.0048394	.0091094	.0111889	.2379605	.6082343
#2	.1896563	.0021985	.0053608	.0097415	.0113472	.2087003	.6062906

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0107075	.1103584	.0104172	.0103206	1.071690	.0106495	.0064824
Stddev	.0001250	.0083458	.0007503	.0001294	.001158	.0000376	.0000910
%RSD	1.167683	7.562410	7.202919	1.253939	.1080097	.3533599	1.403000

#1	.0107959	.1162598	.0109477	.0104121	1.072509	.0106761	.0065467
#2	.0106190	.1044571	.0098866	.0102291	1.070872	.0106229	.0064181

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

Sample Name: CCVL Acquired: 5/10/2016 19:23:18 Type: QC
 Method: P8051016A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0213643	.0078668	.1791013	.0397288	.0050319	.0048579	.0099731
Stddev	.0020150	.0041636	.0007748	.0006613	.0000025	.0000467	.0021280
%RSD	9.431828	52.92570	.4325883	1.664542	.0500150	.9622296	21.33697

#1	.0227892	.0108109	.1796491	.0401964	.0050337	.0048249	.0084684
#2	.0199395	.0049227	.1785534	.0392612	.0050301	.0048910	.0114778

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0052268	.0197887
Stddev	.0003970	.0002871
%RSD	7.596412	1.450581

#1	.0055076	.0195857
#2	.0049461	.0199917

Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1219.498	672.7598	6676.713	2834.255
Stddev	4.703	2.6738	8.078	14.045
%RSD	.3856251	.3974353	.1209870	.4955315

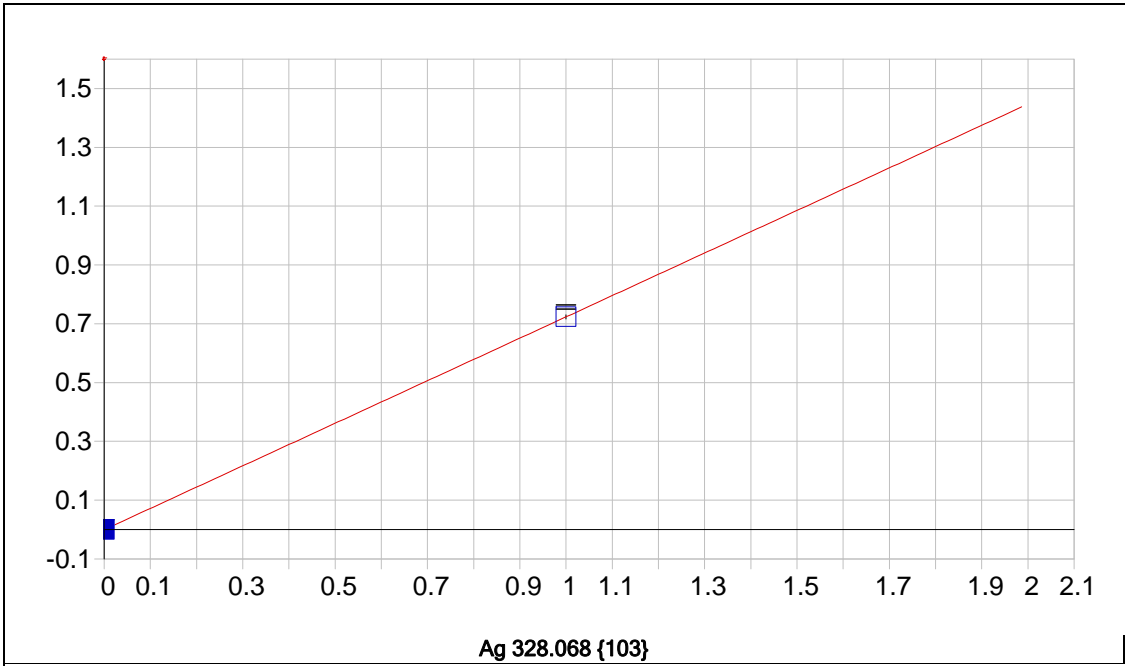
#1	1216.172	670.8691	6682.425	2844.186
#2	1222.823	674.6504	6671.001	2824.324

	Pos ID	Rack	Row	Col	Type	Samplename	Comment	CorrFact	Check	Check Table
1	---	---	---	---	Cal	---	---	---	---	---
2	93	2	9	3	QC	S1	P8051216B	1	☒	S1
3	94	2	10	3	QC	S2		1	☒	S2
4	95	2	11	3	QC	ICV		1	☒	ICV
5	96	2	12	3	QC	ICB		1	☒	ICB
6	97	2	1	4	QC	ICVL		1	☒	CCVLL
7	166	3	10	4	QC	AL		1	☒	IEC
8	167	3	11	4	QC	FE		1	☒	IEC
9	98	2	2	4	QC	CRI		1	☒	CRI
10	99	2	3	4	QC	ICSA		1	☒	ICSA
11	100	2	4	4	QC	ICSAB		1	☒	ICSAB
12	101	2	5	4	QC	CCV		1	☒	CCV
13	102	2	6	4	QC	CCB		1	☒	CCB
14	103	2	7	4	QC	MRL		1	☒	CCVLL
15	104	2	8	4	Unk	mb 500-334710/1-a		1	☒	RLTABLE
16	105	2	9	4	Unk	lcs 500-334710/2-a		1	☒	RLTABLE
17	106	2	10	4	Unk	500-111319-a-18-a		1	☒	RLTABLE
18	107	2	11	4	Unk	111319-a-19-a @5		1	☒	RLTABLE
19	108	2	12	4	Unk	111319-a-19-a SD		1	☒	RLTABLE
20	112	2	4	5	Unk	111319-a-19-b du		1	☒	RLTABLE
21	113	2	5	5	Unk	111319-a-19-c ms		1	☒	RLTABLE
22	114	2	6	5	Unk	111319-a-19-d msD		1	☒	RLTABLE
23	115	2	7	5	Unk	111319-a-20-a @10		1	☒	RLTABLE
24	116	2	8	5	Unk	500-111319-a-21-a		1	☒	RLTABLE
25	117	2	9	5	QC	CCV		1	☒	CCV
26	118	2	10	5	QC	CCB		1	☒	CCB
27	119	2	11	5	Unk	500-111319-a-22-a		1	☒	RLTABLE
28	120	2	12	5	Unk	500-111319-a-23-a		1	☒	RLTABLE
29	121	3	1	1	Unk	500-111319-a-24-a		1	☒	RLTABLE
30	122	3	2	1	Unk	111319-a-24-a SD		1	☒	RLTABLE
31	123	3	3	1	Unk	500-111319-a-24-b		1	☒	RLTABLE
32	124	3	4	1	Unk	500-111319-a-24-c		1	☒	RLTABLE
33	125	3	5	1	Unk	111319-a-24-d ms		1	☒	RLTABLE
34	126	3	6	1	Unk	500-111319-a-25-a		1	☒	RLTABLE
35	127	3	7	1	Unk	500-111319-a-26-a		1	☒	RLTABLE
36	128	3	8	1	Unk	500-111319-a-27-a		1	☒	RLTABLE
37	129	3	9	1	QC	CCV		1	☒	CCV
38	130	3	10	1	QC	CCB		1	☒	CCB
39	131	3	11	1	Unk	500-111319-a-28-a		1	☒	RLTABLE
40	132	3	12	1	Unk	500-111319-a-29-a		1	☒	RLTABLE
41	133	3	1	2	Unk	500-111319-a-30-a		1	☒	RLTABLE
42	134	3	2	2	Unk	mb 500-334822/1-a		1	☒	RLTABLE
43	135	3	3	2	Unk	lcs 500-334822/2-a		1	☒	RLTABLE
44	136	3	4	2	Unk	500-111320-a-16-a		1	☒	RLTABLE
45	137	3	5	2	Unk	111320-a-16-a SD		1	☒	RLTABLE
46	138	3	6	2	Unk	500-111320-a-16-b		1	☒	RLTABLE
47	139	3	7	2	Unk	500-111320-a-16-c		1	☒	RLTABLE
48	140	3	8	2	Unk	500-111320-a-17-a		1	☒	RLTABLE
49	141	3	9	2	QC	CCV		1	☒	CCV
50	142	3	10	2	QC	CCB		1	☒	CCB
51	143	3	11	2	Unk	500-111320-a-18-a		1	☒	RLTABLE
52	144	3	12	2	Unk	500-111320-a-19-a		1	☒	RLTABLE
53	145	3	1	3	Unk	500-111320-a-20-a		1	☒	RLTABLE
54	146	3	2	3	Unk	500-111320-a-21-a		1	☒	RLTABLE
55	147	3	3	3	Unk	500-111320-a-22-a		1	☒	RLTABLE
56	148	3	4	3	Unk	500-111320-a-23-a		1	☒	RLTABLE
57	149	3	5	3	Unk	500-111320-a-24-a		1	☒	RLTABLE
58	150	3	6	3	Unk	500-111320-a-25-a		1	☒	RLTABLE
59	151	3	7	3	Unk	500-111321-a-1-a		1	☒	RLTABLE

	Fail Action
1	None
2	None
3	None
4	None
5	None
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43	---
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46	---
47	---
48	---
49	None
50	None
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52	---
53	---
54	---
55	---
56	---
57	---
58	---
59	---

	Pos ID	Rack	Row	Col	Type	Samplename	Comment	CorrFact	Check	Check Table
60	152	3	8	3	Unk	500-111321-a-2-a		1	<input checked="" type="checkbox"/>	RLTABLE
61	153	3	9	3	QC	CCV		1	<input checked="" type="checkbox"/>	CCV
62	154	3	10	3	QC	CCB		1	<input checked="" type="checkbox"/>	CCB
63	155	3	11	3	Unk	500-111321-a-3-a		1	<input checked="" type="checkbox"/>	RLTABLE
64	156	3	12	3	Unk	500-111321-a-4-a		1	<input checked="" type="checkbox"/>	RLTABLE
65	157	3	1	4	Unk	500-111321-a-5-a		1	<input checked="" type="checkbox"/>	RLTABLE
66	158	3	2	4	Unk	500-111341-a-2-a		1	<input checked="" type="checkbox"/>	RLTABLE
67	159	3	3	4	Unk	500-111348-f-2-a		1	<input checked="" type="checkbox"/>	RLTABLE
68	160	3	4	4	Unk	111348-f-2-a SD@5		1	<input checked="" type="checkbox"/>	RLTABLE
69	161	3	5	4	Unk	500-111348-f-2-b d		1	<input checked="" type="checkbox"/>	RLTABLE
70	162	3	6	4	Unk	500-111348-f-2-c m		1	<input checked="" type="checkbox"/>	RLTABLE
71	163	3	7	4	QC	CCV		1	<input checked="" type="checkbox"/>	CCV
72	164	3	8	4	QC	CCB		1	<input checked="" type="checkbox"/>	CCB
73	165	3	9	4	QC	CCVL		1	<input checked="" type="checkbox"/>	CCVLL

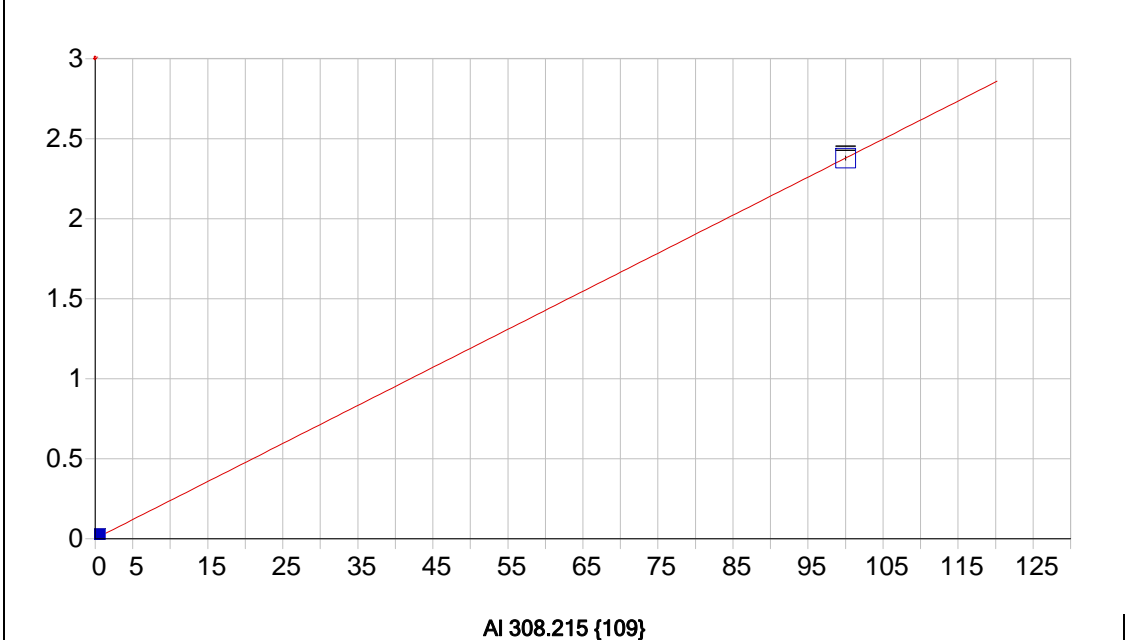
	Fail Action
60	---
61	None
62	None
63	---
64	---
65	---
66	---
67	---
68	---
69	---
70	---
71	None
72	None
73	None



Date of Fit: 5/12/2016 19:02:01 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000353 Re-Slope: 1.000000
 A1 (Gain): 0.723810 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000747
 Predicted MQL: 0.002489

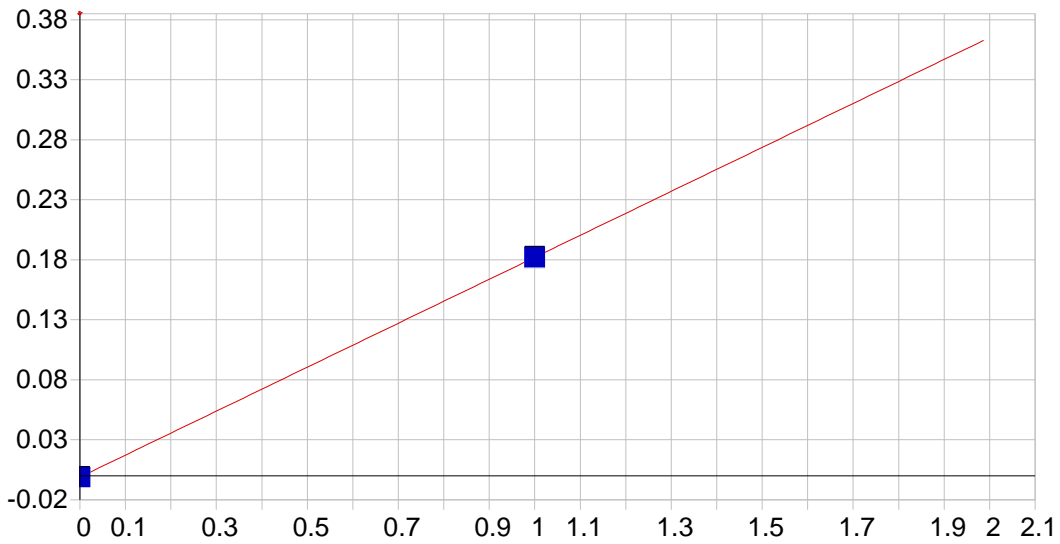
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00035	.000	1
S1	1.0000	1.0000	.000	.000	.72346	.007	1



Date of Fit: 5/12/2016 19:06:14 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000919 Re-Slope: 1.000000
 A1 (Gain): 0.023772 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.024945
 Predicted MQL: 0.083151

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00092	.001	1
S2	100.00	100.00	.000	.000	2.3782	.013	1

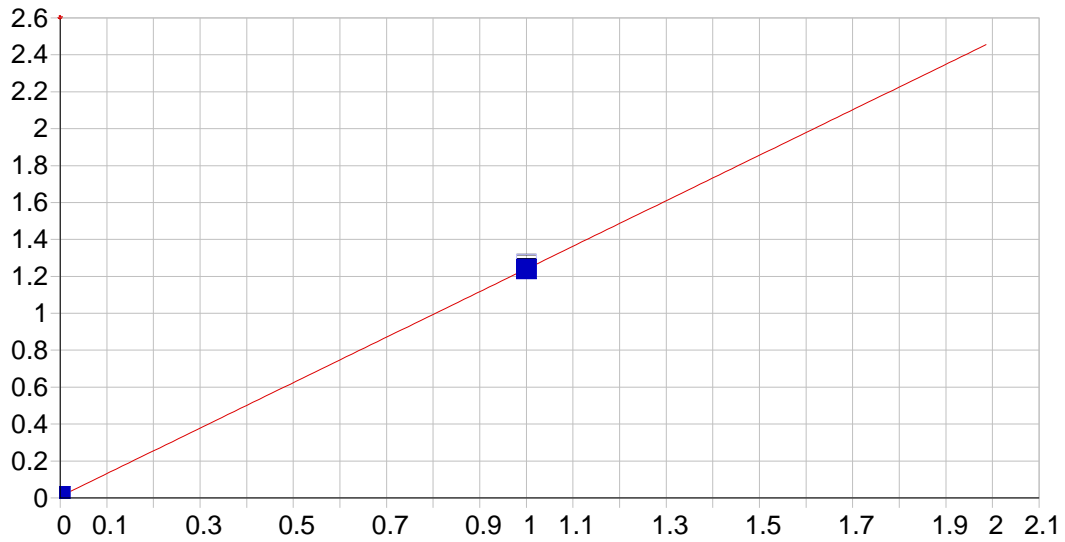


As 189.042 {478}

Date of Fit: 5/12/2016 19:02:01 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001035 Re-Slope: 1.000000
 A1 (Gain): 0.183124 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.003506
 Predicted MQL: 0.011686

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00103	.001	1
S1	1.0000	1.00000	.000	.000	.18137	.001	1

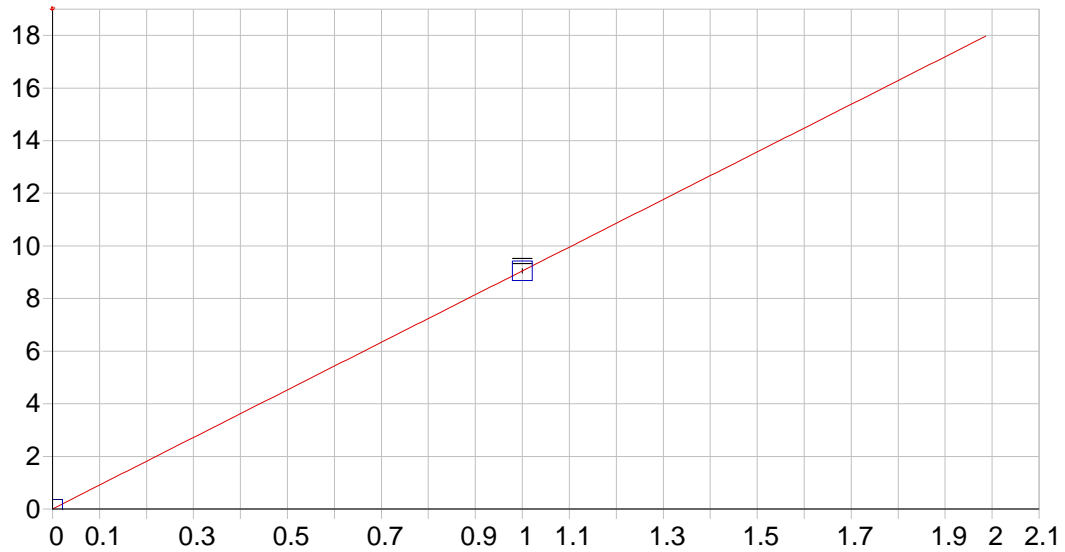


B 208.959 {461}

Date of Fit: 5/12/2016 19:02:01 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.008482 Re-Slope: 1.000000
 A1 (Gain): 1.231707 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000536
 Predicted MQL: 0.001788

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00848	.000	1
S1	1.0000	1.0000	.000	.000	1.2651	.001	1

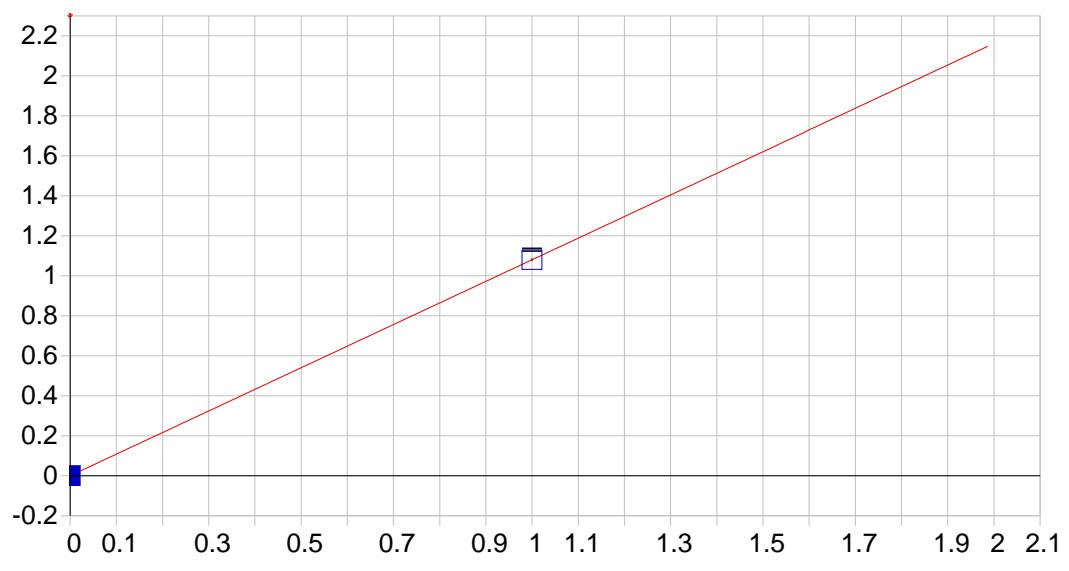


Ba 455.403 {74}

Date of Fit: 5/12/2016 19:02:01 Type of Fit: Linear Weighting: 1/Conc

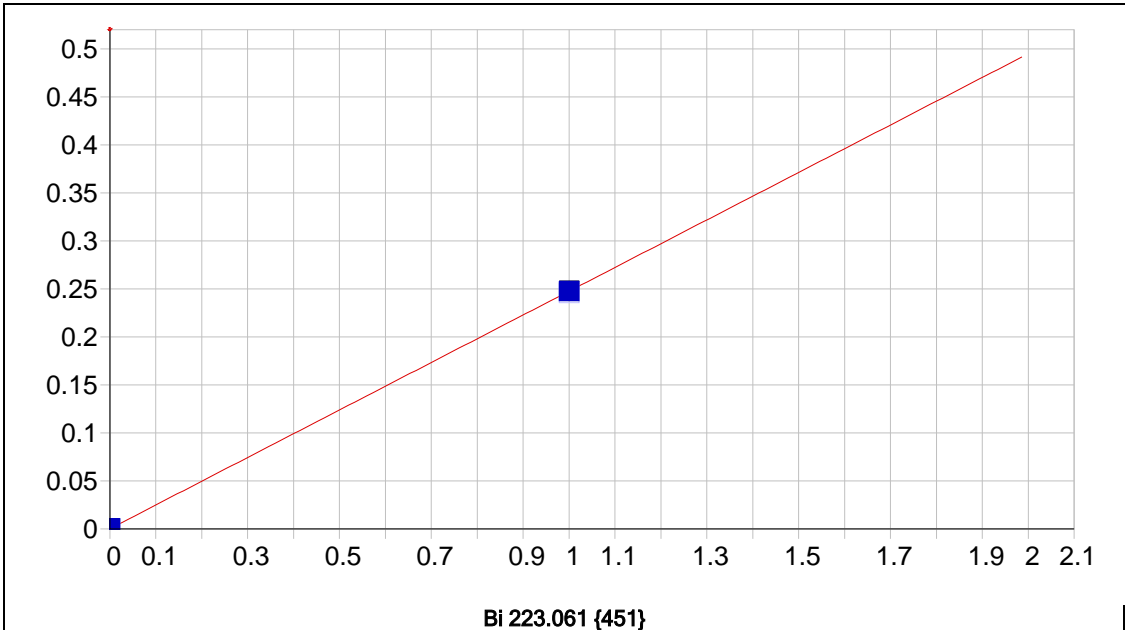
A0 (Offset): 0.005272 Re-Slope: 1.000000
 A1 (Gain): 9.045595 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000148
 Predicted MQL: 0.000494

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00527	.000	1
S1	1.0000	1.0000	.000	.000	9.0509	.099	1



Date of Fit: 5/12/2016 19:02:01 Type of Fit: Linear Weighting: 1/Conc
 A0 (Offset): 0.000034 Re-Slope: 1.000000
 A1 (Gain): 1.080867 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000381
 Predicted MQL: 0.001270

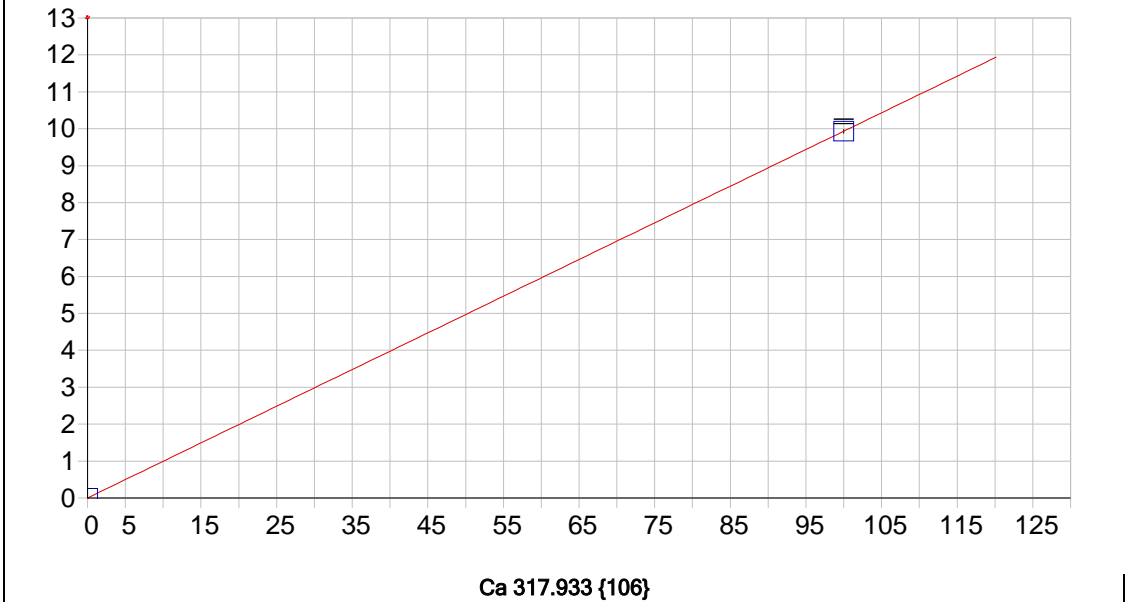
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00003	.000	1
S1	1.0000	1.0000	.000	.000	1.0809	.007	1



Date of Fit: 5/12/2016 19:02:01 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000221 Re-Slope: 1.000000
 A1 (Gain): 0.247382 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.002171
 Predicted MQL: 0.007236

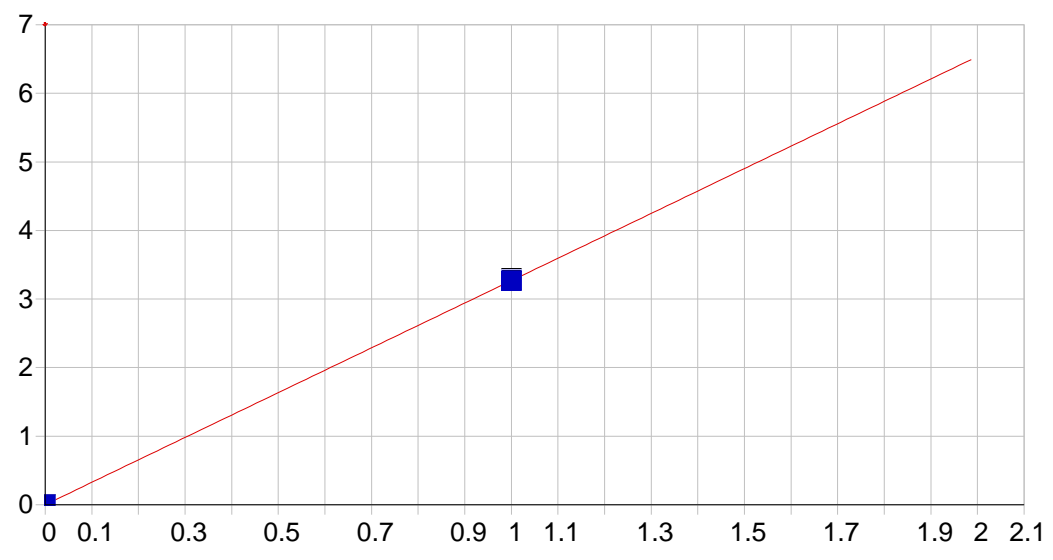
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00022	.000	1
S1	1.0000	1.0000	.000	.000	.24579	.000	1



Date of Fit: 5/12/2016 19:06:14 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.001797 Re-Slope: 1.000000
 A1 (Gain): 0.099333 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.004734
 Predicted MQL: 0.015778

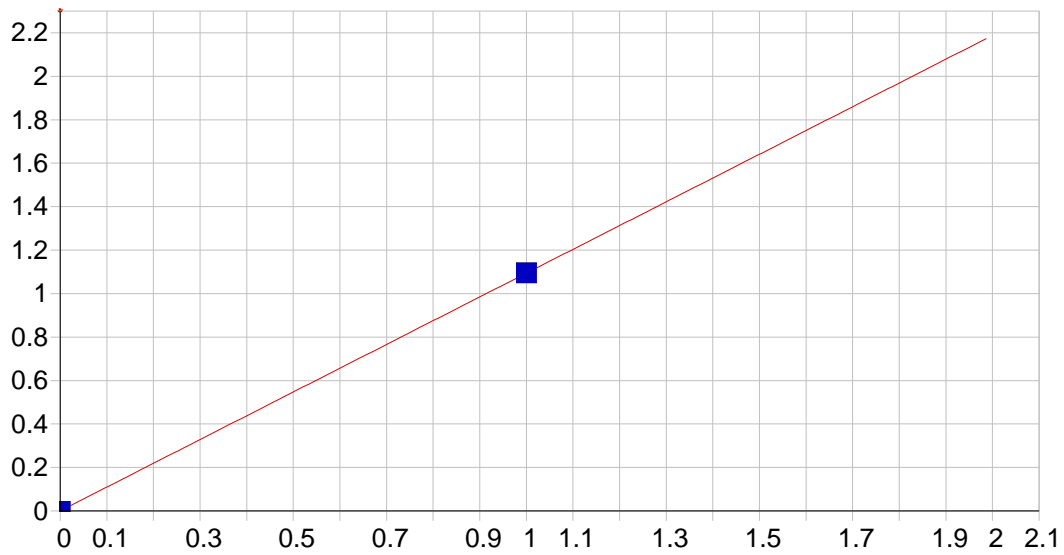
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00180	.000	1
S2	100.00	100.00	.000	.000	9.9351	.062	1



Cd 228.802 {447}

Date of Fit: 5/12/2016 19:02:01 Type of Fit: Linear Weighting: 1/Conc
 A0 (Offset): 0.000669 Re-Slope: 1.000000
 A1 (Gain): 3.267846 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000297
 Predicted MQL: 0.000989

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00067	.000	1
S1	1.0000	1.0000	.000	.000	3.2868	.010	1

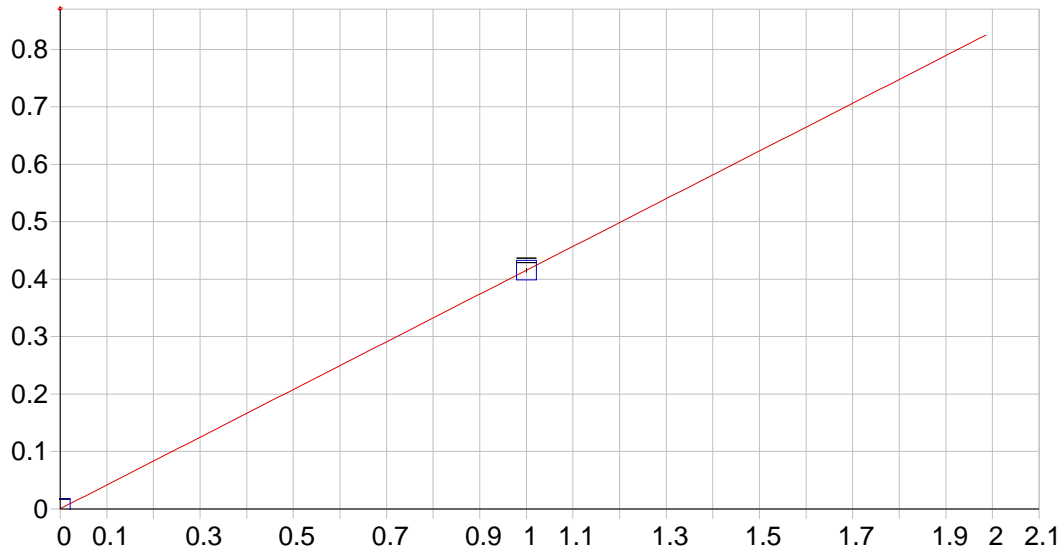


Co 228.616 {447}

Date of Fit: 5/12/2016 19:02:01 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000332 Re-Slope: 1.000000
 A1 (Gain): 1.093835 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000484
 Predicted MQL: 0.001615

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00033	.000	1
S1	1.0000	1.0000	.000	.000	1.0960	.001	1

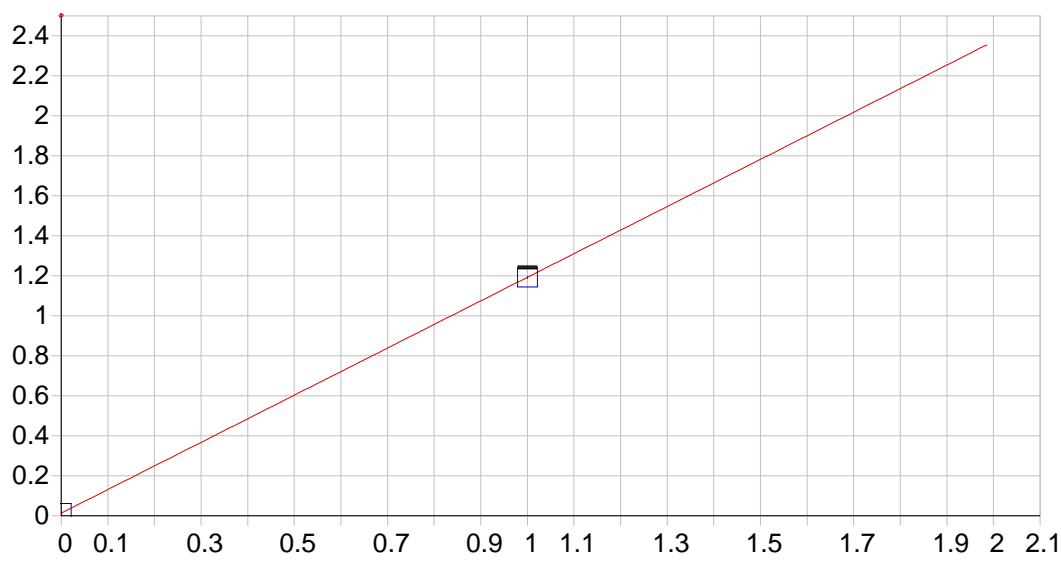


Cr 267.716 {126}

Date of Fit: 5/12/2016 19:02:01 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000385 Re-Slope: 1.000000
 A1 (Gain): 0.415146 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000843
 Predicted MQL: 0.002810

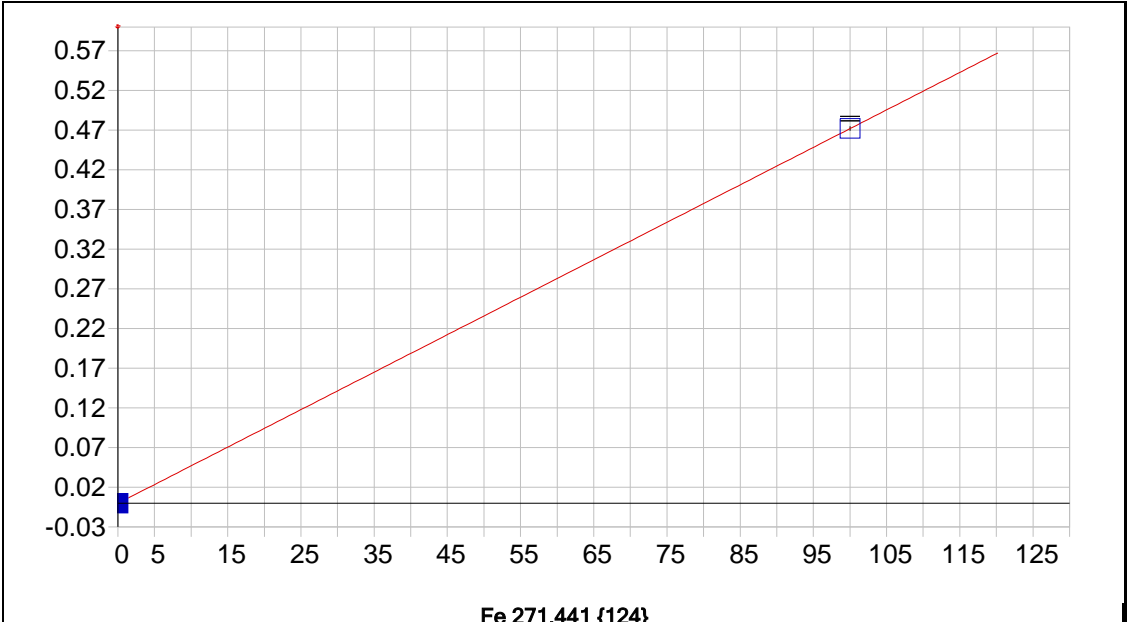
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00039	.000	1
S1	1.0000	1.0000	.000	.000	.41553	.004	1



Cu 324.754 {104}

Date of Fit: 5/12/2016 19:02:01 Type of Fit: Linear Weighting: 1/Conc
 A0 (Offset): 0.013262 Re-Slope: 1.000000
 A1 (Gain): 1.179540 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000456
 Predicted MQL: 0.001519

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.01326	.000	1
S1	1.0000	1.0000	.000	.000	1.1928	.006	1

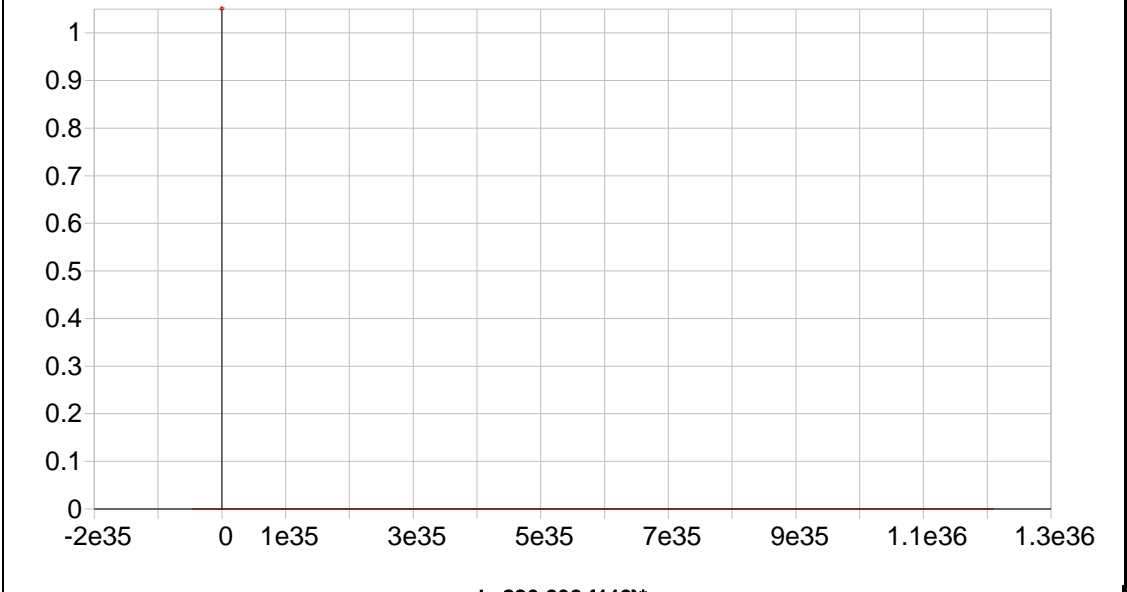


Fe 271.441 {124}

Date of Fit: 5/12/2016 19:06:14 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000229 Re-Slope: 1.000000
 A1 (Gain): 0.004722 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.071068
 Predicted MQL: 0.236895

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00023	.000	1
S2	100.00	100.00	.000	.000	.47198	.003	1

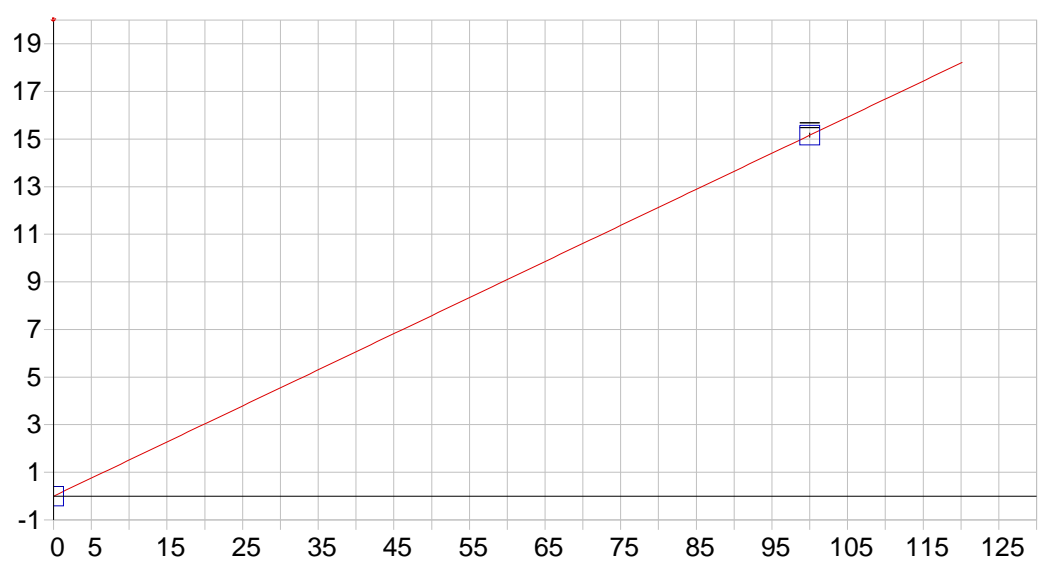


In 230.606 {446}*

Date of Fit: <not fit> Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000000 Re-Slope: 1.000000
 A1 (Gain): 0.000000 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.000000 Status: Warning Zero Gain
 Std Error of Est: 0.000000
 Predicted MDL: n/a
 Predicted MQL: n/a

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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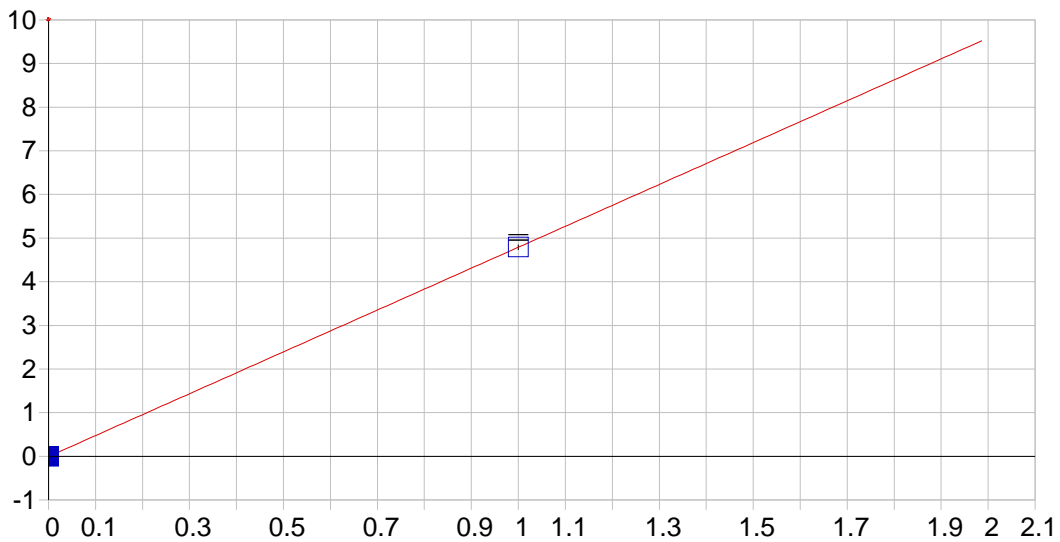


K 766.490 { 44 }

Date of Fit: 5/12/2016 19:06:14 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000191 Re-Slope: 1.000000
 A1 (Gain): 0.151638 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.020146
 Predicted MQL: 0.067155

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00019	.003	1
S2	100.00	100.00	.000	.000	15.164	.102	1

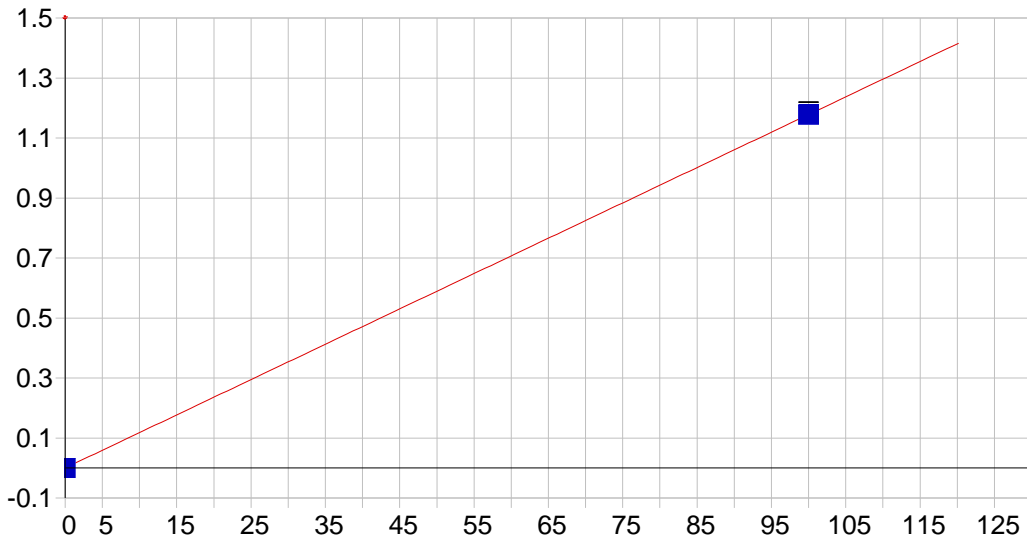


Li 670.784 {50}

Date of Fit: 5/12/2016 19:02:01 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.005674 Re-Slope: 1.000000
 A1 (Gain): 4.795886 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000650
 Predicted MQL: 0.002166

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00567	.002	1
S1	1.0000	1.0000	.000	.000	4.7902	.060	1

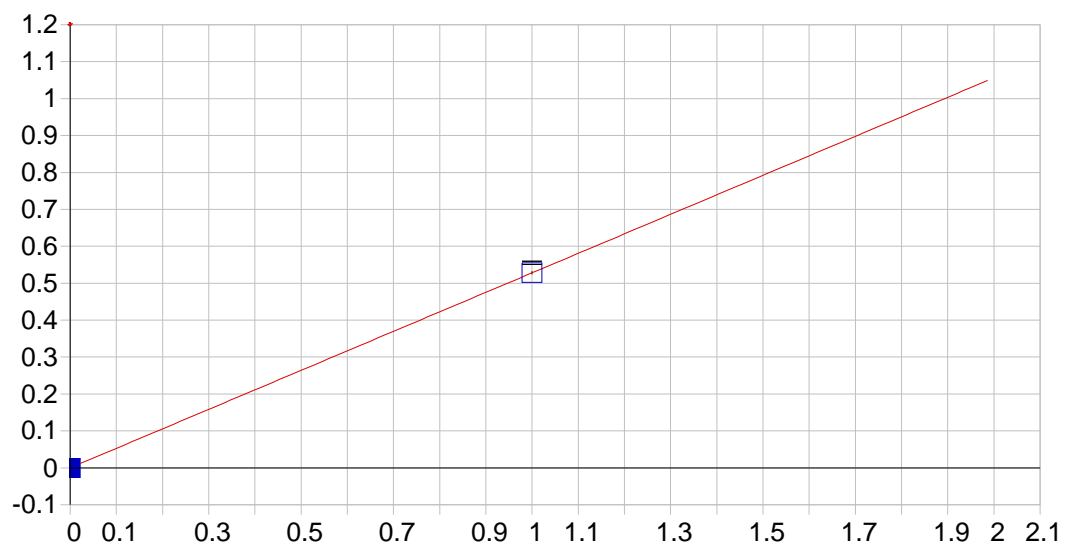


Mg 279.079 {121}

Date of Fit: 5/12/2016 19:06:14 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000155 Re-Slope: 1.000000
 A1 (Gain): 0.011781 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.029608
 Predicted MQL: 0.098693

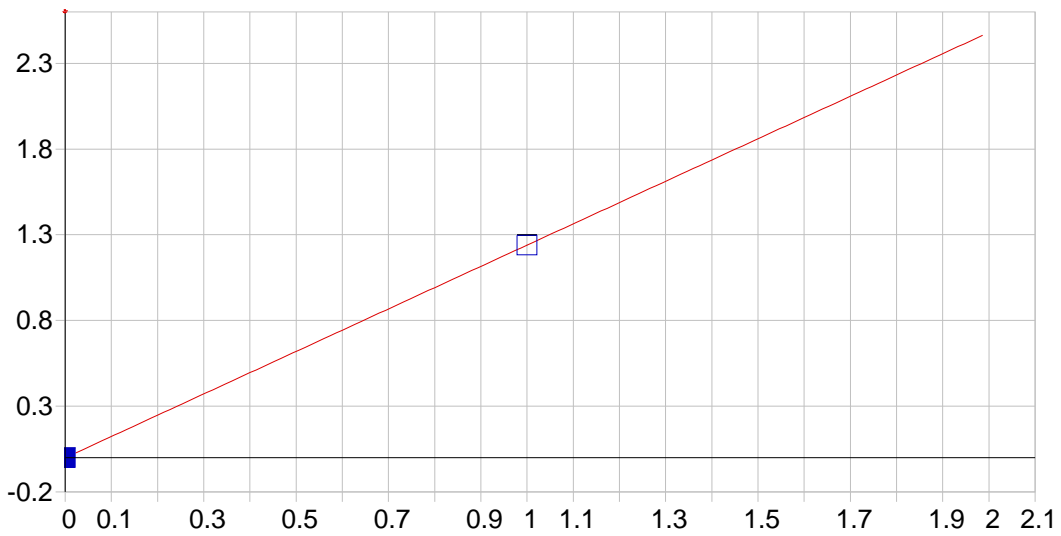
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00016	.000	1
S2	100.00	100.000	.000	.000	1.1782	.008	1



Mn 257.610 {131}

Date of Fit: 5/12/2016 19:02:01 Type of Fit: Linear Weighting: 1/Conc
 A0 (Offset): -0.000098 Re-Slope: 1.000000
 A1 (Gain): 0.528200 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000693
 Predicted MQL: 0.002311

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00010	.000	1
S1	1.0000	1.0000	.000	.000	.52810	.004	1

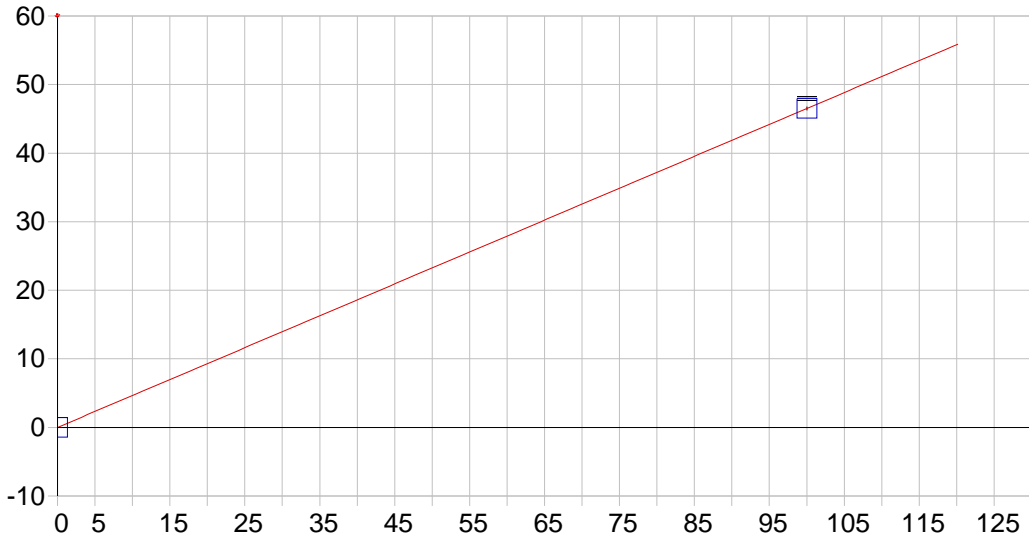


Mo 202.030 {467}

Date of Fit: 5/12/2016 19:02:01 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000772 Re-Slope: 1.000000
 A1 (Gain): 1.240506 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000555
 Predicted MQL: 0.001849

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00077	.001	1
S1	1.0000	1.0000	.000	.000	1.2397	.001	1

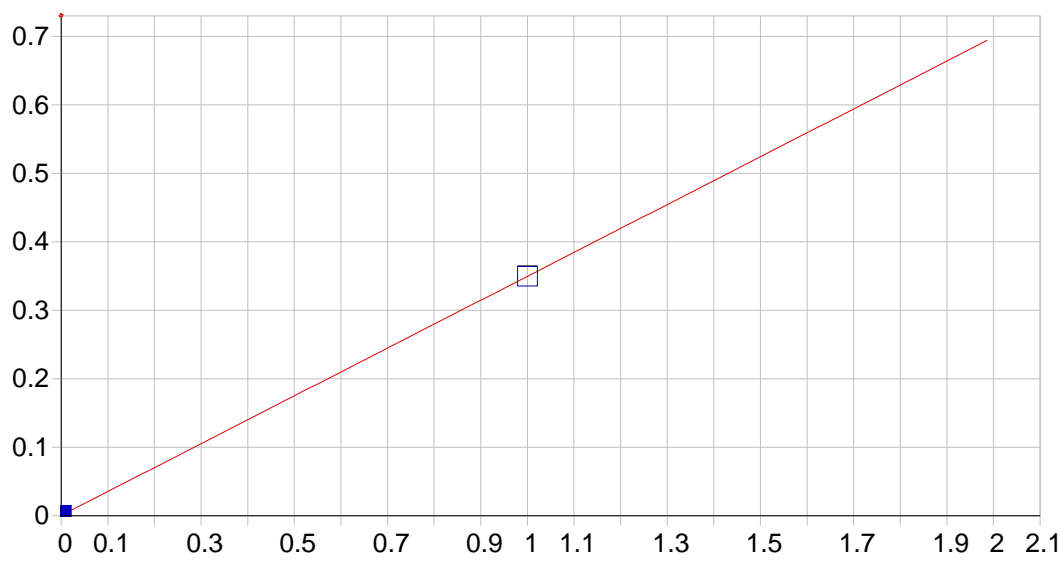


Na 589.592 { 57}

Date of Fit: 5/12/2016 19:06:14 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000847 Re-Slope: 1.000000
 A1 (Gain): 0.465103 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.005715
 Predicted MQL: 0.019049

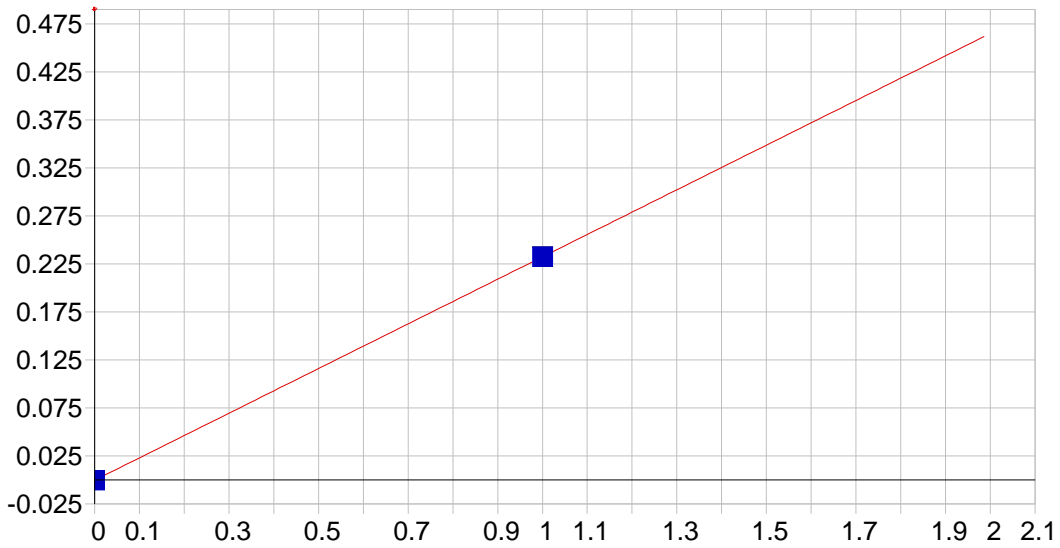
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00085	.003	1
S2	100.00	100.00	.000	.000	46.511	.278	1



Ni 231.604 {446}

Date of Fit: 5/12/2016 19:02:01 Type of Fit: Linear Weighting: 1/Conc
 A0 (Offset): 0.000465 Re-Slope: 1.000000
 A1 (Gain): 0.349222 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.001235
 Predicted MQL: 0.004118

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00047	.000	1
S1	1.0000	1.0000	.000	.000	.34969	.000	1

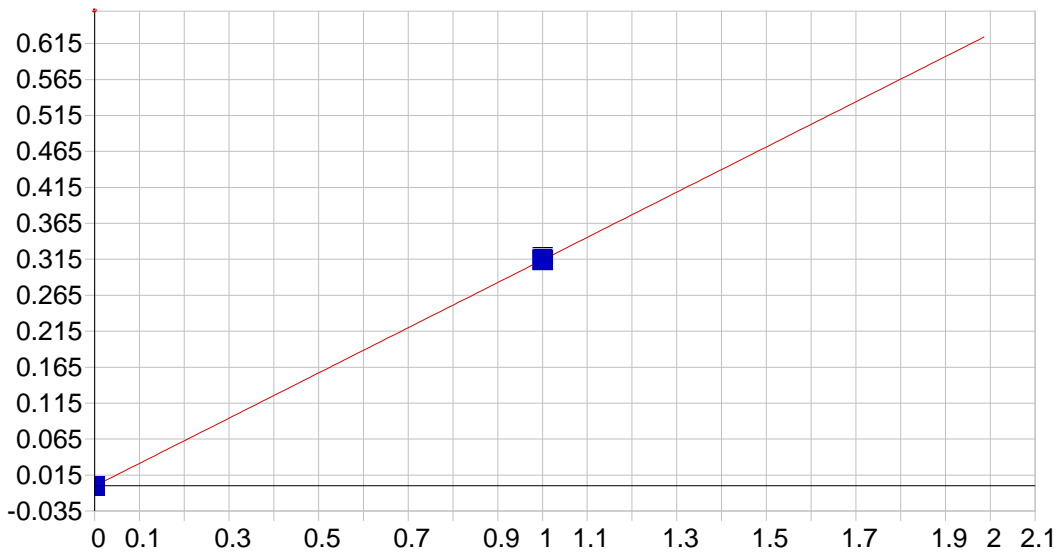


Pb 220.353 {453}

Date of Fit: 5/12/2016 19:02:01 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000332 Re-Slope: 1.000000
 A1 (Gain): 0.232691 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.002378
 Predicted MQL: 0.007928

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00033	.000	1
S1	1.0000	1.0000	.000	.000	.23227	.000	1

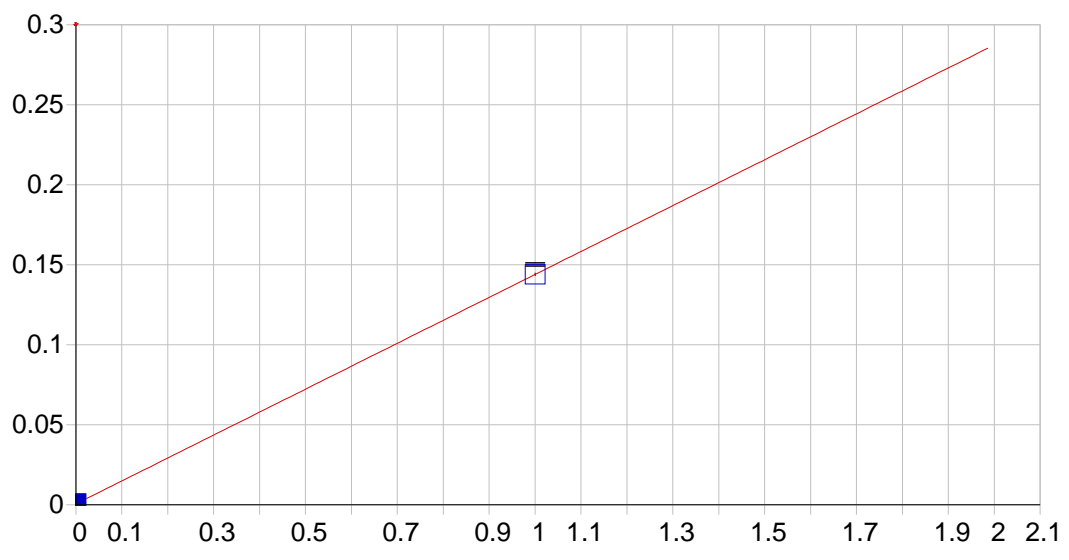


Sb 206.833 {463}

Date of Fit: 5/12/2016 19:02:01 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000269 Re-Slope: 1.000000
 A1 (Gain): 0.314324 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.002260
 Predicted MQL: 0.007534

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00027	.000	1
S1	1.0000	1.00000	.000	.000	.31617	.001	1

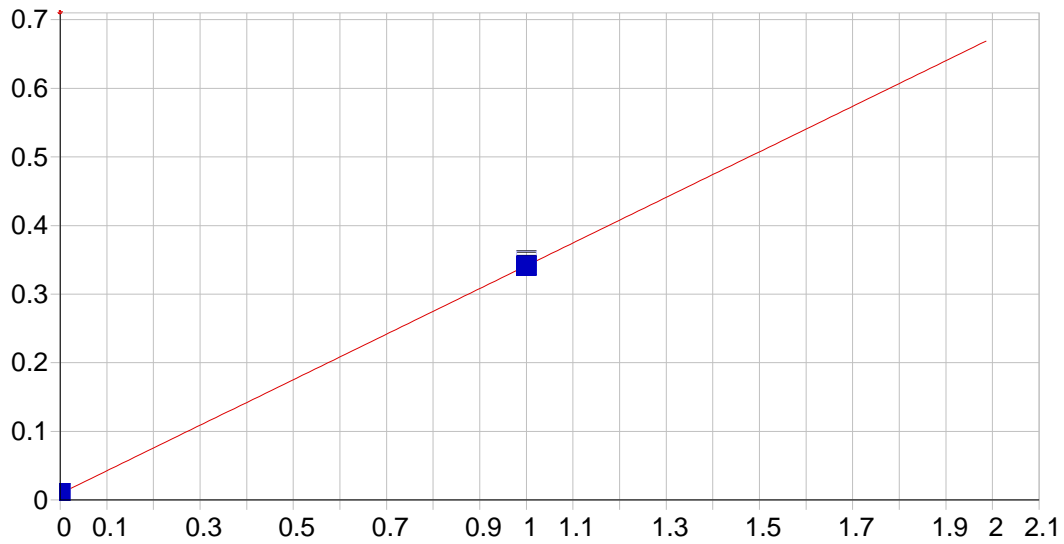


Se 196.090 {472}

Date of Fit: 5/12/2016 19:02:01 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000550 Re-Slope: 1.000000
 A1 (Gain): 0.143398 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.004517
 Predicted MQL: 0.015058

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00055	.000	1
S1	1.0000	1.0000	.000	.000	.14395	.001	1

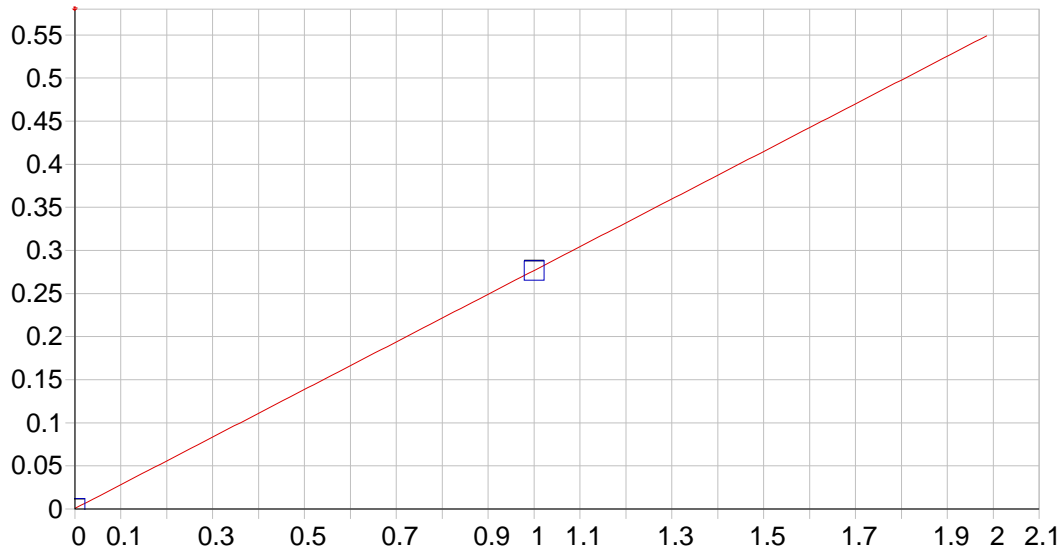


Si 212.412 {459}

Date of Fit: 5/12/2016 19:02:01 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.009174 Re-Slope: 1.000000
 A1 (Gain): 0.332166 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.001651
 Predicted MQL: 0.005504

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00917	.000	1
S1	1.0000	1.0000	.000	.000	.34781	.001	1

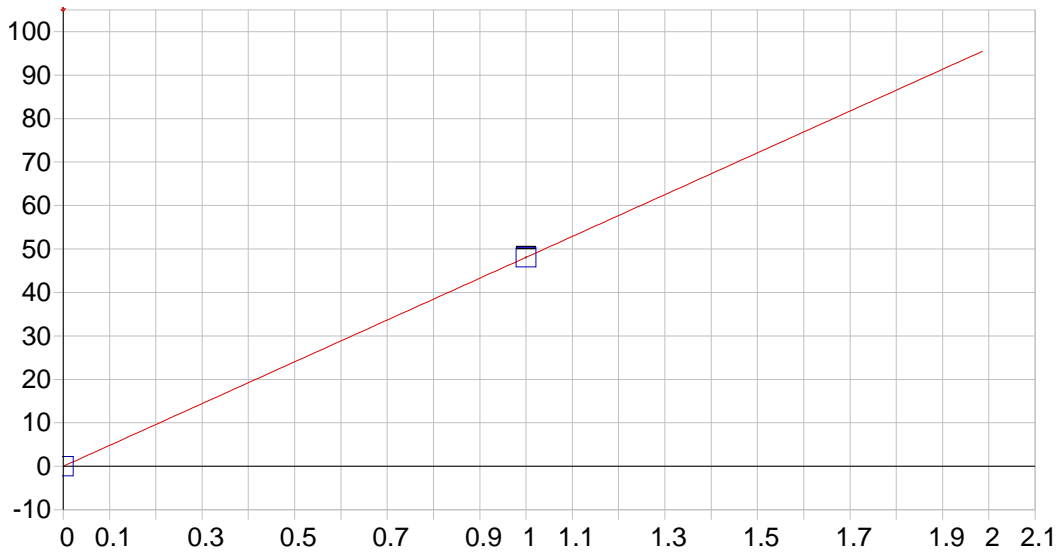


Sn 189.989 {477}

Date of Fit: 5/12/2016 19:02:01 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000615 Re-Slope: 1.000000
 A1 (Gain): 0.276186 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.001666
 Predicted MQL: 0.005552

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00062	.000	1
S1	1.0000	1.0000	.000	.000	.27680	.000	1

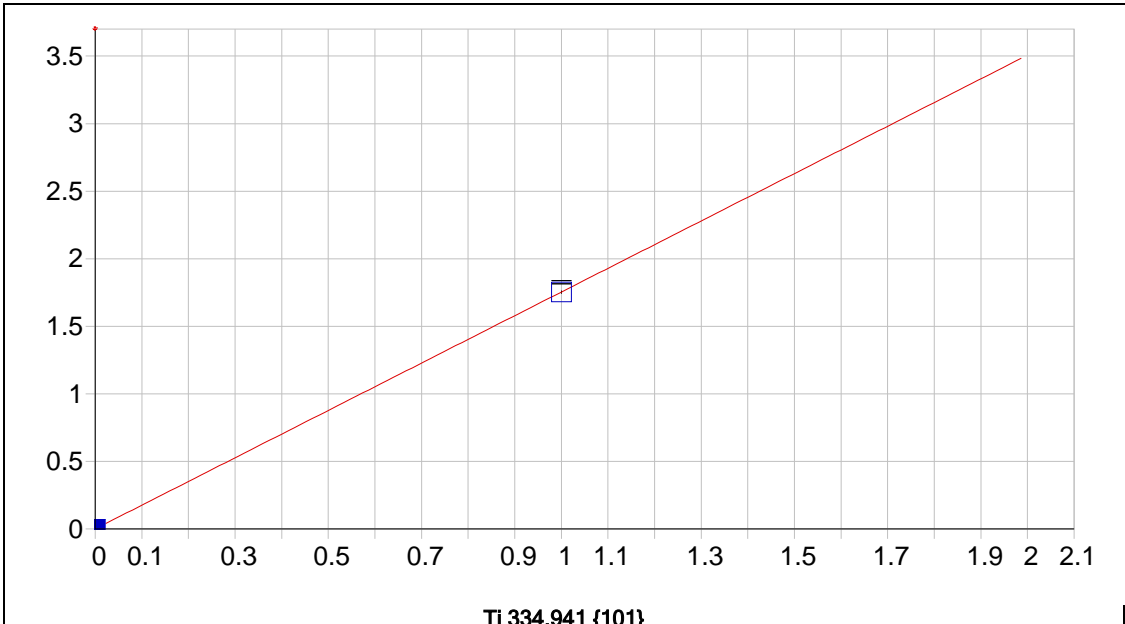


Sr 421.552 { 80}

Date of Fit: 5/12/2016 19:02:01 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000040 Re-Slope: 1.000000
 A1 (Gain): 48.073585 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000015
 Predicted MQL: 0.000051

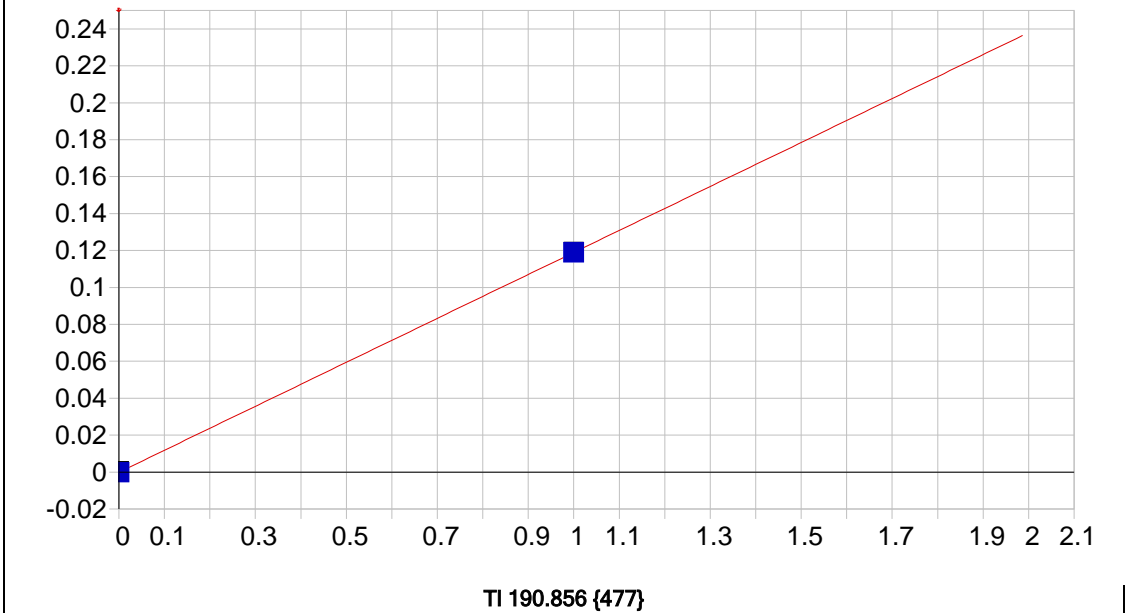
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00004	.000	1
S1	1.0000	1.0000	.000	.000	48.074	.246	1



Date of Fit: 5/12/2016 19:02:01 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000429 Re-Slope: 1.000000
 A1 (Gain): 1.753226 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000214
 Predicted MQL: 0.000712

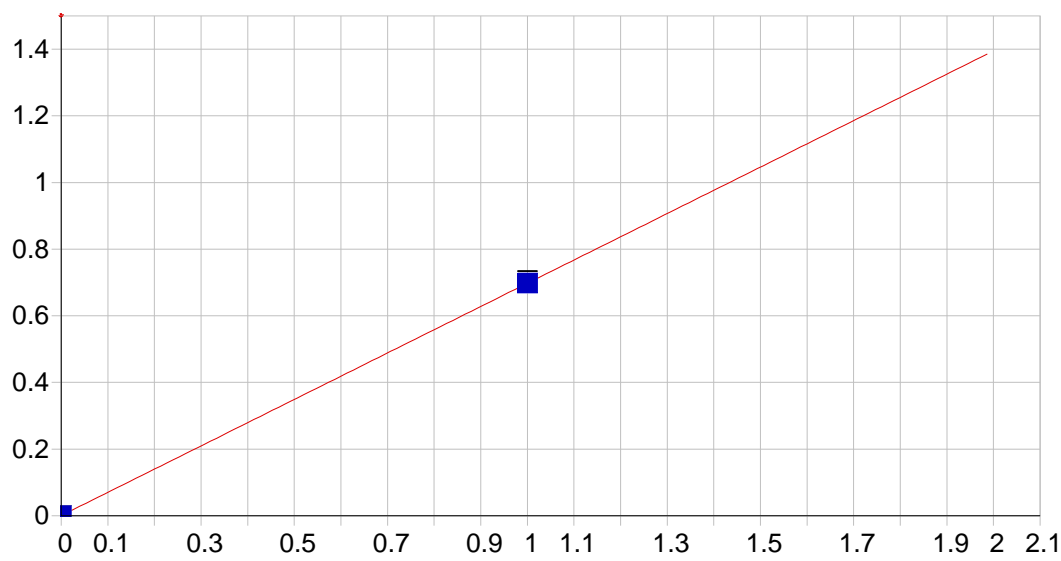
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00043	.000	1
S1	1.0000	1.0000	.000	.000	1.7537	.012	1



Date of Fit: 5/12/2016 19:02:01 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000100 Re-Slope: 1.000000
 A1 (Gain): 0.119045 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.002251
 Predicted MQL: 0.007505

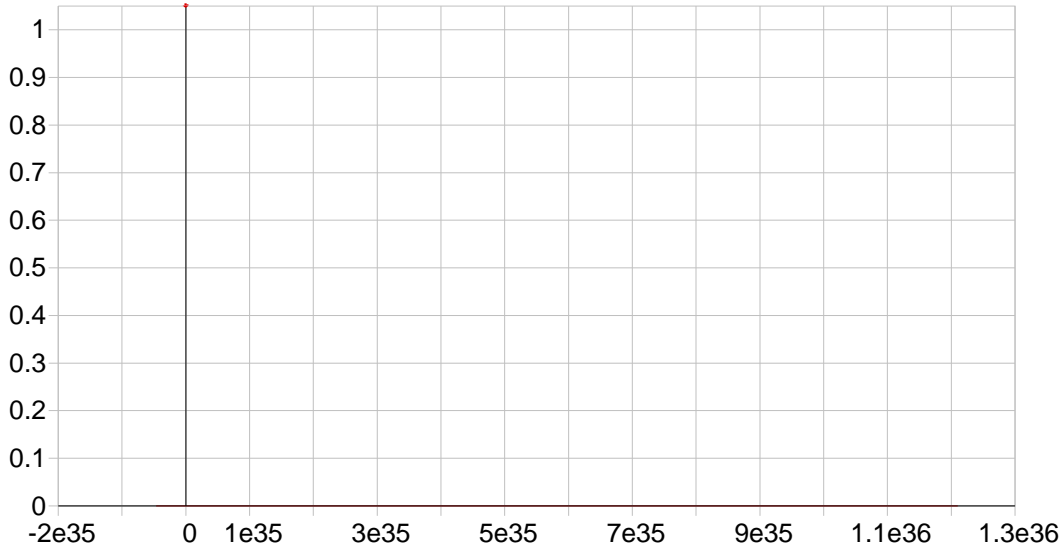
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00010	.000	1
S1	1.0000	1.00000	.000	.000	.11897	.000	1



V 292.402 {115}

Date of Fit: 5/12/2016 19:02:01 Type of Fit: Linear Weighting: 1/Conc
 A0 (Offset): 0.000439 Re-Slope: 1.000000
 A1 (Gain): 0.697271 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 1.000000 Status: OK.
 Std Error of Est: 0.000000
 Predicted MDL: 0.000666
 Predicted MQL: 0.002221

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00044	.000	1
S1	1.0000	1.00000	.000	.000	.69683	.007	1

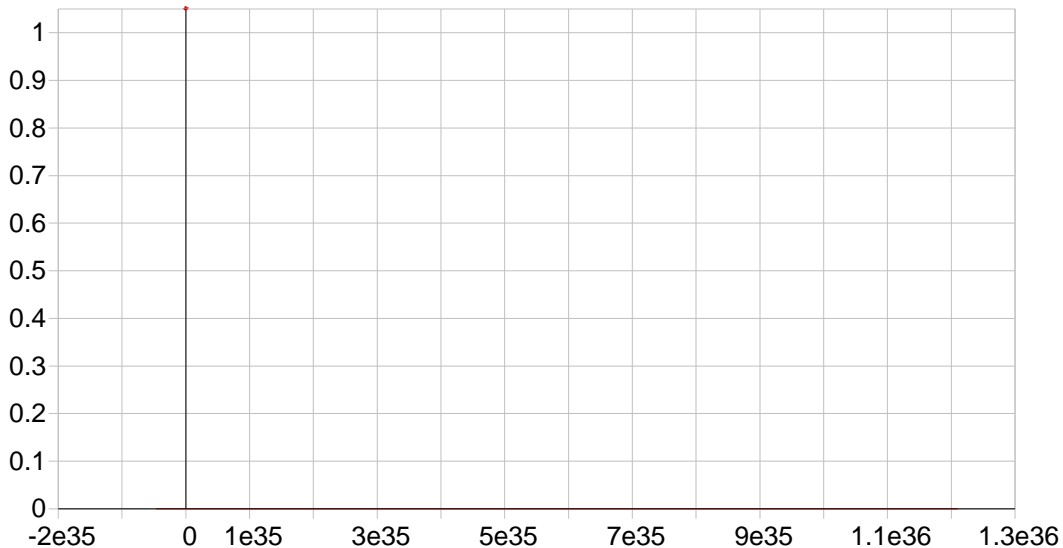


Y 224.306 {450}*

Date of Fit: 8/10/2015 14:14:31 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000000 Re-Slope: 1.000000
 A1 (Gain): 0.000000 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.000000 Status: Warning Zero Gain
 Std Error of Est: 0.000000
 Predicted MDL: n/a
 Predicted MQL: n/a

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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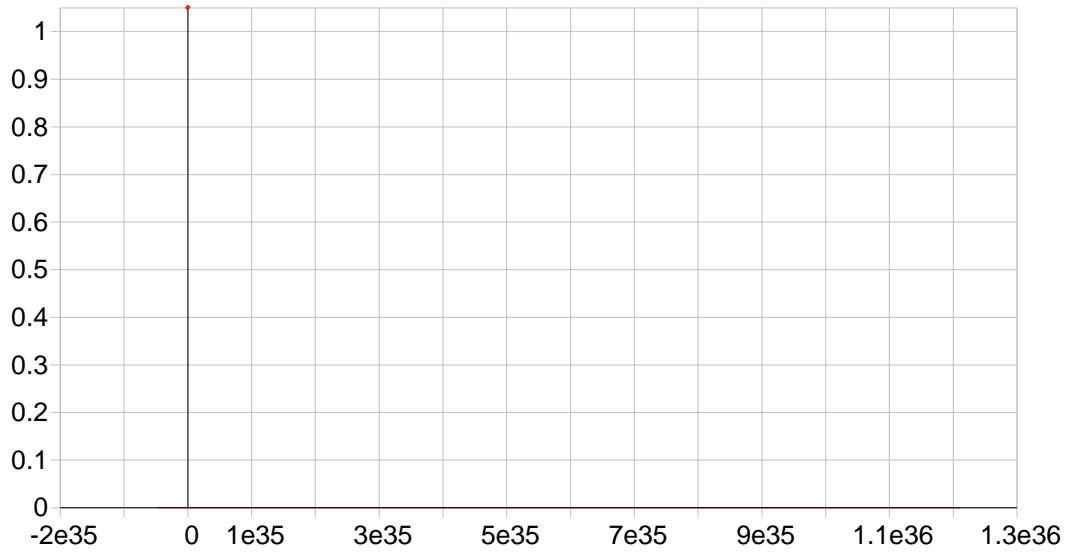
Y 360.073 {94}*

Date of Fit: 8/10/2015 14:14:31 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000000 Re-Slope: 1.000000
 A1 (Gain): 0.000000 Y-int: 0.000000

A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.000000 Status: Warning Zero Gain
 Std Error of Est: 0.000000
 Predicted MDL: n/a
 Predicted MQL: n/a

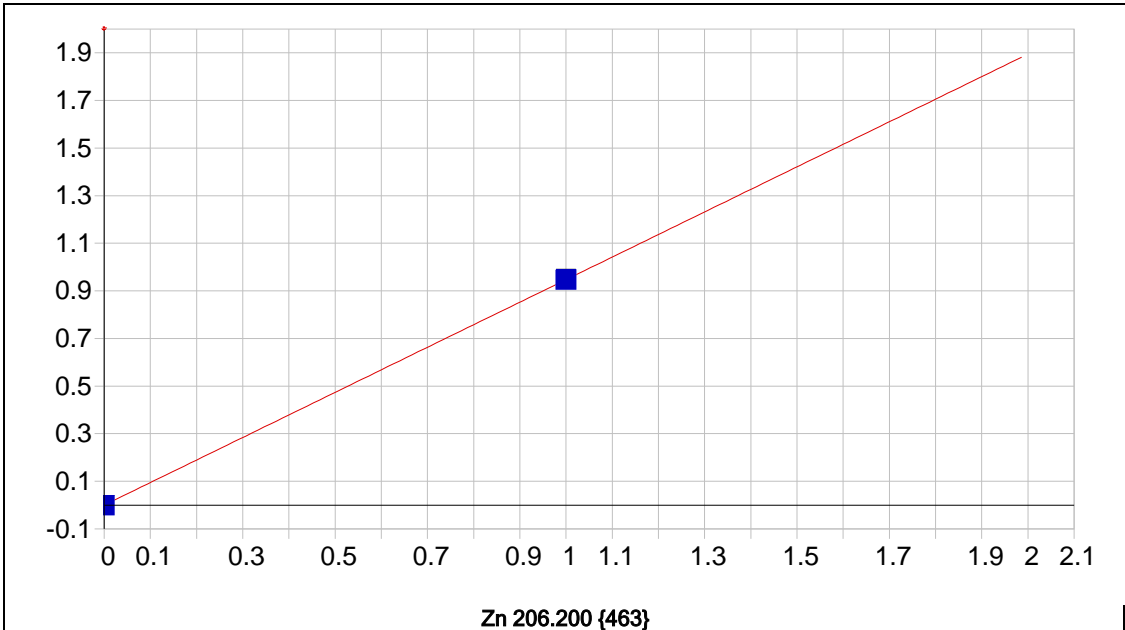
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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Date of Fit: 8/24/2015 12:15:23 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000000 Re-Slope: 1.000000
 A1 (Gain): 0.000000 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.000000 Status: Warning Zero Gain
 Std Error of Est: 0.000000
 Predicted MDL: n/a
 Predicted MQL: n/a

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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Zn 206.200 {463}

Date of Fit: 5/12/2016 19:02:01 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset):	-0.000045	Re-Slope:	1.000000
A1 (Gain):	0.947442	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	1.000000	Status:	OK.
Std Error of Est:	0.000000		
Predicted MDL:	0.000450		
Predicted MQL:	0.001500		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00004	.000	1
S1	1.0000	1.0000	.000	.000	.94689	.001	1

Sample Name: Blank Acquired: 5/12/2016 18:53:38 Type: Cal
 Method: P8051216A Mode: IR Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.0035	.00092	-0.0103	.00848	.00527	.00003	.00022	.00180
Stddev	.00013	.00064	.00072	.00027	.00042	.00013	.00009	.00033
%RSD	37.364	69.524	69.468	3.1358	7.9763	376.82	42.055	18.506

#1	-0.0026	.00047	-0.0154	.00829	.00497	.00012	.00029	.00203
#2	-0.0045	.00137	-0.0053	.00867	.00557	-0.00006	.00016	.00156

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Li6707	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0007	.00033	.00039	.01326	-0.0023	-0.0019	-0.0057	.00016
Stddev	.0001	.00000	.00018	.00003	.00011	.00314	.0016	.00020
%RSD	11.33	.98555	47.508	.25002	47.728	1642.5	27.92	126.67

#1	.0006	.00033	.00026	.01329	-0.0015	.00203	-0.0068	.00002
#2	.0007	.00033	.00051	.01324	-0.0031	-0.00241	-0.0046	.00029

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.0010	-0.0077	.00085	.00047	-0.0033	-0.0027	.00055	.00917
Stddev	.00009	.00055	.00288	.00009	.00005	.00009	.00017	.00016
%RSD	93.650	71.388	340.20	19.587	15.704	34.101	30.195	1.7671

#1	-0.0003	-0.0116	-0.0119	.00053	-0.0030	-0.0020	.00067	.00929
#2	-0.0016	-0.0038	.00289	.00040	-0.0037	-0.0033	.00043	.00906

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00062	-0.0004	.00043	-0.0010	.00044	-0.0004
Stddev	.00007	.00026	.00009	.00019	.00013	.00011
%RSD	10.894	646.70	20.309	195.44	29.916	251.27

#1	.00057	-0.0022	.00037	-0.0024	.00053	-0.0012
#2	.00066	.00014	.00049	.00004	.00035	.00003

Sample Name: Blank Acquired: 5/12/2016 18:53:38 Type: Cal
Method: P8051216A Mode: IR Corr. Factor: 1.000000
User: JonesP Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1337.8	744.08	7842.3	3326.7
Stddev	32.6	26.67	128.1	22.0
%RSD	2.4334	3.5839	1.6342	.66150
#1	1360.9	762.93	7932.9	3342.2
#2	1314.8	725.22	7751.6	3311.1

Sample Name: S1 Acquired: 5/12/2016 18:57:54 Type: Cal
Method: P8051216A Mode: IR Corr. Factor: 1.000000
User: JonesP Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	As1890	B_2089	Ba4554	Be2348	Bi2230	Cd2288	Co2286
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.72346	.18137	1.2651	9.0509	1.0809	.24579	3.287	1.0960
Stddev	.00714	.00082	.0008	.0988	.0074	.00014	.010	.0008
%RSD	.98730	.45194	.06145	1.0911	.68565	.05521	.3102	.07050

#1	.72851	.18195	1.2656	8.9810	1.0757	.24569	3.294	1.0955
#2	.71841	.18079	1.2645	9.1207	1.0861	.24588	3.280	1.0966

Elem	Cr2677	Cu3247	Li6707	Mn2576	Mo2020	Ni2316	Pb2203	Sb2068
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.41553	1.1928	4.790	.52810	1.2397	.34969	.23227	.31617
Stddev	.00387	.0062	.060	.00436	.0006	.00026	.00010	.00121
%RSD	.93017	.51923	1.254	.82608	.04623	.07502	.04191	.38410

#1	.41826	1.1972	4.748	.52502	1.2393	.34950	.23220	.31703
#2	.41280	1.1884	4.833	.53119	1.2401	.34987	.23234	.31531

Elem	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.14395	.34781	.27680	48.074	1.7537	.11897	.69683	.94689
Stddev	.00097	.00066	.00007	.246	.0122	.00008	.00673	.00101
%RSD	.67162	.19030	.02401	.51271	.69525	.06416	.96533	.10664

#1	.14463	.34734	.27685	48.248	1.7623	.11903	.70158	.94618
#2	.14326	.34828	.27675	47.899	1.7450	.11892	.69207	.94761

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1253.6	688.22	7183.2	3245.2
Stddev	2.8	.47	42.1	13.9
%RSD	.22031	.06797	.58624	.42871

#1	1255.5	688.55	7153.5	3255.0
#2	1251.6	687.89	7213.0	3235.3

Sample Name: S2 Acquired: 5/12/2016 19:02:06 Type: Cal
 Method: P8051216A Mode: IR Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Al3082	Ca3179	Fe2714	K_7664	Mg2790	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.3782	9.9351	.47198	15.164	1.1782	46.511
Stddev	.0133	.0616	.00285	.102	.0077	.278
%RSD	.55889	.61962	.60461	.67160	.65457	.59837
#1	2.3688	9.8916	.46996	15.092	1.1727	46.314
#2	2.3875	9.9787	.47400	15.236	1.1836	46.708

Int. Std.	Y_3710
Units	Cts/S
Avg	3113.0
Stddev	18.3
%RSD	.58938
#1	3125.9
#2	3100.0

Sample Name: S1 Acquired: 5/12/2016 19:06:19 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment: P8051216B

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9967334	.0241427	1.001752	.9998033	1.000748	1.000142	.9990186
Stddev	.0056164	.0173403	.003588	.0098561	.000165	.005305	.0122864
%RSD	.5634838	71.82431	.3581743	.9858077	.0164526	.5304360	1.229846

#1	.9927620	.0364042	.999215	.9928339	1.000865	.996391	.9903308
#2	1.000705	.0118812	1.004289	1.006773	1.000632	1.003893	1.007706

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0306404	.9991603	1.000348	.9922180	.9935919	.0085191	.0326063
Stddev	.0011432	.0090619	.008437	.0084726	.0059321	.0181204	.0056192
%RSD	3.730920	.9069485	.8434390	.8539024	.5970337	212.7024	17.23342

#1	.0314487	.9927525	.994382	.9862269	.9893973	.0213322	.0365796
#2	.0298320	1.005568	1.006314	.9982090	.9977865	-.004294	.0286329

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.005721	.0101217	1.001447	.9990518	.0112879	1.001734	1.000508
Stddev	.002085	.0033256	.007634	.0070513	.0016118	.007512	.009207
%RSD	.2073603	32.85663	.7623336	.7058010	14.27909	.7498990	.9201961

#1	1.007195	.0124733	.996048	.9940658	.0124276	.996422	.993998
#2	1.004246	.0077701	1.006845	1.004038	.0101482	1.007046	1.007018

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

Sample Name: S1 Acquired: 5/12/2016 19:06:19 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment: P8051216B

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.004299	.9960539	.9949427	1.000986	.9931899	.9970174	1.000359
Stddev	.004827	.0093392	.0063586	.007772	.0083500	.0076910	.011586
%RSD	.4806237	.9376194	.6390937	.7763883	.8407258	.7714015	1.158201

#1	1.000886	.9894501	.9904465	.995491	.9872856	.9915790	.992167
#2	1.007712	1.002658	.9994390	1.006482	.9990942	1.002456	1.008552

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.9927187	1.000582
Stddev	.0089477	.007499
%RSD	.9013362	.7494827

#1	.9863917	.995279
#2	.9990457	1.005885

Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1252.656	689.3606	7222.594	3235.883
Stddev	8.525	3.8145	53.222	17.069
%RSD	.6805460	.5533401	.7368801	.5274785

#1	1258.684	692.0579	7260.228	3247.952
#2	1246.628	686.6633	7184.961	3223.813

Sample Name: S2 Acquired: 5/12/2016 19:10:31 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003534	100.6269	-.001427	.0005917	.0003188	.0005831	-.000748
Stddev	.0000468	.4669	.002958	.0001478	.0000033	.0002266	.000570
%RSD	13.24872	.4640302	207.2301	24.98766	1.023088	38.87108	76.15488

#1	.0003865	100.9571	.000664	.0004871	.0003165	.0004228	-.000345
#2	.0003203	100.2967	-.003519	.0006962	.0003211	.0007433	-.001151

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	100.4593	-.000023	-.000376	.0012335	.0037586	100.3773	100.7773
Stddev	.5184	.000026	.000839	.0009713	.0004761	.0116	.4534
%RSD	.5159851	113.9601	223.4281	78.74668	12.66793	.0115524	.4498963

#1	100.0927	-.000004	.000218	.0005466	.0034219	100.3691	101.0979
#2	100.8258	-.000041	-.000969	.0019203	.0040953	100.3855	100.4567

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004179	100.4087	.0011864	.0024681	100.7584	.0004232	.0019544
Stddev	.0002931	.1292	.0002965	.0000561	.7129	.0010496	.0004512
%RSD	70.14466	.1286251	24.99098	2.271827	.7074864	248.0043	23.08584

#1	.0002106	100.3174	.0013961	.0025078	101.2625	-.000319	.0022734
#2	.0006252	100.5000	.0009768	.0024285	100.2543	.001165	.0016353

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

Sample Name: S2 Acquired: 5/12/2016 19:10:31 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0035866	.0006070	.0028777	.0017143	.0065628	.0037375	-.001636
Stddev	.0000723	.0010493	.0000903	.0024715	.0000198	.0002447	.000784
%RSD	2.017074	172.8663	3.138342	144.1646	.3022156	6.548414	47.91012

#1	.0036378	-.000135	.0028138	.0034619	.0065488	.0039105	-.002190
#2	.0035354	.001349	.0029415	-.000033	.0065769	.0035644	-.001082

Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0001073	.0018699
Stddev	.0005013	.0015924
%RSD	467.4089	85.15977

#1	-.000247	.0029959
#2	.000462	.0007439

Check ?	None	None
Value		
Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1025.936	642.7881	6617.007	3095.140
Stddev	1.257	2.5110	16.814	2.758
%RSD	.1225133	.3906354	.2541033	.0891155

#1	1026.825	644.5636	6628.896	3093.190
#2	1025.047	641.0126	6605.117	3097.091

Sample Name: ICV Acquired: 5/12/2016 19:15:37 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3908506	39.90109	.4127417	.3989655	.3962959	.4046500	.3981293
Stddev	.0001436	.00584	.0015743	.0002916	.0007859	.0009246	.0020075
%RSD	.0367424	.0146419	.3814237	.0730835	.1983136	.2284966	.5042317

#1	.3907491	39.89696	.4116285	.3991716	.3957401	.4039962	.3995488
#2	.3909522	39.90522	.4138549	.3987593	.3968516	.4053038	.3967098

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	20.39246	.3949369	.4106856	.3951949	.3996392	20.28437	39.74779
Stddev	.02179	.0001844	.0000504	.0013388	.0007377	.01101	.09011
%RSD	.1068755	.0466855	.0122736	.3387663	.1846019	.0542935	.2267155

#1	20.37705	.3948065	.4107212	.3942482	.4001609	20.27658	39.68407
#2	20.40787	.3950673	.4106499	.3961416	.3991176	20.29215	39.81151

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.151636	20.16062	3.954204	.3993619	19.97347	.4103447	.4063243
Stddev	.002858	.06596	.010461	.0015055	.03965	.0003974	.0028307
%RSD	.0906846	.3271529	.2645605	.3769837	.1985288	.0968362	.6966504

#1	3.149615	20.11399	3.946806	.4004265	19.94543	.4100638	.4083259
#2	3.153657	20.20726	3.961601	.3982974	20.00151	.4106257	.4043227

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

Sample Name: ICV Acquired: 5/12/2016 19:15:37 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4030404	.3881847	.3741437	.4170927	.4008862	.4094685	.3984800
Stddev	.0000126	.0055546	.0023510	.0011383	.0000813	.0004062	.0045182
%RSD	.0031307	1.430928	.6283665	.2729055	.0202834	.0991947	1.133852

#1	.4030493	.3921124	.3758061	.4178976	.4008287	.4091813	.4016749
#2	.4030315	.3842569	.3724813	.4162878	.4009436	.4097557	.3952852

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	4.006845	.4200081
Stddev	.004701	.0002917
%RSD	.1173130	.0694503

#1	4.003521	.4198019
#2	4.010169	.4202144

Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1128.003	668.8497	6920.969	3183.899
Stddev	4.542	2.5645	10.944	8.433
%RSD	.4026591	.3834224	.1581280	.2648654

#1	1124.791	667.0363	6928.707	3189.862
#2	1131.214	670.6631	6913.230	3177.936

Sample Name: ICB Acquired: 5/12/2016 19:19:45 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000663	.0221431	.0001830	.0011243	-.000044	.0000223	-.001992
Stddev	.000073	.0158130	.0017130	.0003922	.000038	.0000763	.000840
%RSD	11.08181	71.41281	936.1506	34.88056	86.17156	341.7301	42.16213
#1	-.000715	.0333246	-.001028	.0008470	-.000017	-.000032	-.001398
#2	-.000611	.0109616	.001394	.0014016	-.000070	.000076	-.002586
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008625	-.000091	-.000064	-.000326	.0005635	.0273071	.0295997
Stddev	.0026166	.000049	.000250	.000081	.0002926	.0092112	.0093599
%RSD	303.3821	53.60818	389.4541	24.81078	51.92389	33.73173	31.62170
#1	.0027126	-.000126	-.000241	-.000383	.0003566	.0207938	.0362182
#2	-.000988	-.000057	.000113	-.000269	.0007703	.0338204	.0229812
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005711	-.012628	.0006260	-.000173	.0043206	-.000120	-.000750
Stddev	.0000477	.001943	.0000784	.000238	.0066697	.000368	.001994
%RSD	8.352298	15.38720	12.53033	137.4336	154.3678	308.2407	266.0034
#1	.0005374	-.014002	.0006815	-.000342	-.000396	-.000380	.000660
#2	.0006048	-.011254	.0005705	-.000005	.009037	.000141	-.002160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: ICB Acquired: 5/12/2016 19:19:45 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014644	-.005221	-.001723	-.001342	-.000000	.0001101	-.000590
Stddev	.0009342	.000219	.002517	.001708	.000008	.0001348	.001933
%RSD	63.79160	4.185906	146.1091	127.2267	5226.702	122.4951	327.6732
#1	.0021250	-.005376	-.003503	-.002550	-.000006	.0002054	.000777
#2	.0008039	-.005067	.000057	-.000135	.000005	.0000147	-.001957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	-.000112	.0001144
Stddev	.000062	.0002023
%RSD	55.14985	176.8677
#1	-.000069	.0002574
#2	-.000156	-.000029
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1272.968	696.4232	7174.496	3225.211
Stddev	2.271	3.3080	11.357	17.219
%RSD	.1784022	.4749916	.1582949	.5338826
#1	1274.574	698.7623	7166.465	3237.387
#2	1271.362	694.0841	7182.526	3213.036

Sample Name: ICVL Acquired: 5/12/2016 19:24:02 Type: QC
Method: P8051216A Mode: CONC Corr. Factor: 1.000000
User: JonesP Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0052038	.2048434	.0110371	.0510051	.0100374	.0037287
Stddev	.0002710	.0205733	.0003698	.0001105	.0000902	.0006423
%RSD	5.207162	10.04344	3.350729	.2166157	.8984511	17.22492

#1	.0053954	.2193909	.0112986	.0510833	.0099736	.0032746
#2	.0050122	.1902959	.0107756	.0509270	.0101012	.0041829

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0464216	.2092924	.0020600	.0054357	.0092258	.0106360
Stddev	.0027737	.0000766	.0001955	.0000056	.0002823	.0004636
%RSD	5.974995	.0365899	9.492349	.1036383	3.060210	4.358406

#1	.0444603	.2092383	.0021983	.0054397	.0090262	.0109638
#2	.0483829	.2093466	.0019218	.0054317	.0094254	.0103083

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2471994	.5100488	.0106546	.0777950	.0110176	.0100852
Stddev	.0121032	.0119343	.0001887	.0025362	.0003090	.0000135
%RSD	4.896139	2.339835	1.771010	3.260040	2.804199	.1340927

#1	.2386412	.5184876	.0105211	.0760017	.0112361	.0100948
#2	.2557577	.5016100	.0107880	.0795883	.0107992	.0100756

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

Sample Name: ICVL Acquired: 5/12/2016 19:24:02 Type: QC
Method: P8051216A Mode: CONC Corr. Factor: 1.000000
User: JonesP Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.017301	.0102131	.0050620	.0199776	F .0057542	.1753262
Stddev	.006058	.0001898	.0009536	.0015599	.0007309	.0013572
%RSD	.5954858	1.858062	18.83879	7.808415	12.70139	.7741130

#1	1.021584	.0103473	.0043877	.0188745	.0052374	.1762859
#2	1.013017	.0100790	.0057363	.0210806	.0062710	.1743665

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value					.0100000	
Range					-30.0000%	

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0383884	.0051525	.0049933	.0101528	.0050104	.0205234
Stddev	.0005548	.0000292	.0003228	.0008416	.0005708	.0001022
%RSD	1.445205	.5672112	6.463903	8.288792	11.39276	.4978268

#1	.0379961	.0051732	.0052216	.0095578	.0054141	.0205957
#2	.0387807	.0051319	.0047651	.0107479	.0046068	.0204512

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1274.213	701.0044	7199.254	3221.686
Stddev	.739	2.6524	2.050	7.755
%RSD	.0580082	.3783657	.0284696	.2407158

#1	1273.690	699.1289	7200.703	3216.202
#2	1274.735	702.8799	7197.804	3227.170

Sample Name: AL Acquired: 5/12/2016 19:28:18 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001855	F 500.3861	-.001062	.0009494	-.000046	-.000259
Stddev	.0000382	3.0277	.003808	.0004936	.000073	.000108
%RSD	20.58715	.6050727	358.6067	51.98883	158.9351	41.85794
#1	.0001585	498.2452	.001631	.0012985	.000006	-.000182
#2	.0002125	502.5270	-.003754	.0006004	-.000097	-.000336
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.1000000				
Low Limit		-.1000000				

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002517	.0592213	.0000678	-.000242	-.000187	.0043693
Stddev	.000796	.0003208	.0000756	.000700	.000417	.0002513
%RSD	31.61393	.5417171	111.4814	288.6522	222.8659	5.751428
#1	-.001955	.0594482	.0001213	-.000737	.000108	.0045470
#2	-.003080	.0589945	.0000144	.000252	-.000482	.0041916
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0643039	.0399901	.0000834	.0300274	F .2787953	.0034523
Stddev	.0365739	.0106007	.0004314	.0120422	.0002350	.0014698
%RSD	56.87655	26.50842	517.6414	40.10398	.0842763	42.57387
#1	.0384423	.0324942	.0003884	.0385425	.2789614	.0024130
#2	.0901656	.0474859	-.000222	.0215123	.2786291	.0044916
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass
High Limit					.0050000	
Low Limit					-.0050000	

Sample Name: AL Acquired: 5/12/2016 19:28:18 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0583078	-.000319	-.000783	-.002398	-.003306	-.007202
Stddev	.0003208	.000029	.000831	.001121	.003168	.000787
%RSD	.5501511	9.056919	106.1121	46.75753	95.79785	10.93042

#1	.0580810	-.000299	-.001371	-.003191	-.005546	-.007759
#2	.0585347	-.000340	-.000196	-.001605	-.001067	-.006645

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0031568	.0000459	.0004504	.0022336	.0010576	.0034538
Stddev	.0016234	.0000041	.0000910	.0013129	.0001053	.0003692
%RSD	51.42534	8.833313	20.20493	58.77671	9.955262	10.68852

#1	.0020089	.0000488	.0003860	.0013053	.0009832	.0031928
#2	.0043047	.0000430	.0005147	.0031620	.0011321	.0037148

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1107.798	679.3225	6699.181	3179.356
Stddev	.964	3.3294	37.225	16.313
%RSD	.0870289	.4901024	.5556688	.5130818

#1	1107.117	676.9683	6672.858	3190.890
#2	1108.480	681.6767	6725.503	3167.821

Sample Name: FE Acquired: 5/12/2016 19:33:28 Type: QC
Method: P8051216A Mode: CONC Corr. Factor: 1.000000
User: JonesP Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.00041	.0196768	.0001572	-0.001520	-0.000015	.0004878
Stddev	.000345	.0029515	.0019915	.000621	.000176	.0001390
%RSD	840.5013	14.99989	1267.168	40.86149	1170.871	28.49278

#1	.000203	.0175898	-.001251	-.001960	.000110	.0003895
#2	-.000285	.0217639	.001565	-.001081	-.000140	.0005861

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.002684	.0077589	-.000172	-0.001327	-0.000234	.0020453
Stddev	.001719	.0038986	.000338	.000190	.000286	.0002742
%RSD	64.02249	50.24717	196.8165	14.31740	122.0512	13.40454

#1	-.003900	.0105156	-.000411	-.001192	-.000437	.0022391
#2	-.001469	.0050022	.000067	-.001461	-.000032	.0018514

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 205.6312	-.036898	.0006899	-0.005825	.0004016	.0015812
Stddev	.4338	.000551	.0004793	.032460	.0000556	.0000430
%RSD	.2109789	1.493021	69.48036	557.2374	13.83800	2.721613

#1	205.3244	-.037287	.0003509	.017128	.0003623	.0016116
#2	205.9380	-.036508	.0010288	-.028778	.0004409	.0015507

Check ?	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
High Limit	.1000000					
Low Limit	-.1000000					

Sample Name: FE Acquired: 5/12/2016 19:33:28 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.005130	-.000730	-.000709	.0012842	-.001982	-.000086
Stddev	.000532	.001181	.000573	.0017810	.002356	.001743
%RSD	10.36526	161.8426	80.82965	138.6873	118.8489	2017.418

#1	-.004754	.000105	-.001114	.0025435	-.003649	-.001319
#2	-.005506	-.001565	-.000304	.0000248	-.000316	.001146

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013818	.0000741	-.000273	.0017478	.0017787	.0005435
Stddev	.0002119	.0000118	.000051	.0004488	.0000472	.0000927
%RSD	15.33412	15.97394	18.81384	25.67534	2.654893	17.06302

#1	.0015316	.0000657	-.000309	.0020651	.0018122	.0006091
#2	.0012319	.0000825	-.000236	.0014305	.0017454	.0004779

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1212.138	685.8625	7044.819	3202.818
Stddev	1.307	1.6990	4.838	2.637
%RSD	.1078176	.2477125	.0686707	.0823209

#1	1211.214	684.6612	7041.398	3204.683
#2	1213.062	687.0639	7048.240	3200.954

Sample Name: CRI Acquired: 5/12/2016 19:38:38 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0103878	.4015949	.0211804	.0989297	.0202923	.0081838	.0950524
Stddev	.0000754	.0134872	.0023460	.0005588	.0001161	.0000345	.0017291
%RSD	.7257619	3.358398	11.07619	.5648901	.5719483	.4217520	1.819067

#1	.0103345	.4111317	.0228393	.0993249	.0203744	.0082082	.0938298
#2	.0104411	.3920580	.0195215	.0985346	.0202103	.0081594	.0962751

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5396537	.0040656	.0097545	.0190415	.0210139	.4490941	1.003480
Stddev	.0021081	.0001560	.0002578	.0003624	.0002042	.0107267	.001645
%RSD	.3906473	3.835759	2.642604	1.903183	.9714799	2.388515	.1639424

#1	.5411444	.0039553	.0099368	.0187852	.0208696	.4415092	1.004643
#2	.5381630	.0041759	.0095722	.0192977	.0211583	.4566790	1.002316

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0206914	.2062229	.0207086	.0199189	2.269689	.0196765	.0109747
Stddev	.0009272	.0009066	.0000239	.0002999	.010221	.0004292	.0003336
%RSD	4.481162	.4396314	.1153111	1.505329	.4503107	2.181309	3.040100

#1	.0213471	.2068640	.0207255	.0201310	2.276916	.0193730	.0112106
#2	.0200358	.2055819	.0206918	.0197069	2.262461	.0199800	.0107388

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

Sample Name: CRI Acquired: 5/12/2016 19:38:38 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0403999	.0188297	.3504909	.0771451	.0103751	.0101413	.0184367
Stddev	.0033485	.0008207	.0015456	.0016477	.0000135	.0000619	.0007888
%RSD	8.288329	4.358528	.4409731	2.135824	.1298340	.6106243	4.278436

#1	.0427677	.0182493	.3515838	.0759800	.0103846	.0101850	.0189945
#2	.0380322	.0194100	.3493980	.0783102	.0103656	.0100975	.0178790

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0098183	.0407678
Stddev	.0003444	.0006312
%RSD	3.507581	1.548307

#1	.0100618	.0403214
#2	.0095748	.0412141

Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1265.673	697.3685	7200.158	3230.263
Stddev	3.046	1.4440	4.625	1.930
%RSD	.2406512	.2070663	.0642280	.0597342

#1	1263.520	696.3475	7196.888	3228.898
#2	1267.827	698.3896	7203.428	3231.627

Sample Name: ICSA Acquired: 5/12/2016 19:42:52 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005637	511.8259	-.006900	-.002378	.0000767	.0008803	-.004216
Stddev	.0002430	1.4508	.002257	.001896	.0000103	.0000511	.001618
%RSD	43.10518	.2834507	32.71809	79.73662	13.39016	5.808307	38.38488
#1	.0003919	512.8517	-.008496	-.003719	.0000695	.0009164	-.003072
#2	.0007355	510.8000	-.005303	-.001037	.0000840	.0008441	-.005361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	478.2107	-.000417	-.001409	.0030987	.0033188	191.7630	-.014124
Stddev	.6648	.000037	.000192	.0004483	.0003495	.0682	.010417
%RSD	.1390116	8.851710	13.61411	14.46726	10.53154	.0355651	73.74939
#1	477.7406	-.000391	-.001545	.0034156	.0030717	191.8112	-.006759
#2	478.6807	-.000443	-.001273	.0027817	.0035659	191.7147	-.021490
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019834	520.9180	.0003007	.0051111	.0172190	-.001307	.0031438
Stddev	.0000165	.8112	.0008678	.0003327	.0060257	.003130	.0080363
%RSD	.8304583	.1557295	288.6069	6.508669	34.99438	239.4075	255.6269
#1	.0019718	520.3444	.0009143	.0048759	.0214798	.000906	-.002539
#2	.0019951	521.4916	-.000313	.0053463	.0129582	-.003521	.008826
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: ICSA Acquired: 5/12/2016 19:42:52 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.005457	-0.002223	.0003552	.0019558	.0045218	.0011079	.0001473
Stddev	.001890	.002557	.0024766	.0033509	.0000242	.0001128	.0076395
%RSD	34.63106	114.9936	697.2108	171.3254	.5351553	10.17745	5186.893
#1	-0.004121	-0.004031	-0.001396	.0043253	.0045389	.0010282	-.005255
#2	-0.006793	-0.000415	.002106	-0.000414	.0045047	.0011877	.005549
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0005629	.0001760
Stddev	.0004142	.0001750
%RSD	73.57626	99.46174
#1	.0002700	.0000522
#2	.0008558	.0002998
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	921.6319	596.8338	6147.532	2972.595
Stddev	1.1355	1.4397	10.014	1.712
%RSD	.1232055	.2412280	.1628874	.0575903
#1	920.8290	597.8518	6140.451	2971.384
#2	922.4348	595.8157	6154.612	2973.805

Sample Name: ICSAB Acquired: 5/12/2016 19:47:56 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2109346	518.2666	.1001789	-.001265	.5038238	.5260727	.0010523
Stddev	.0051719	.6035	.0012970	.000343	.0004818	.0012951	.0036143
%RSD	2.451905	.1164536	1.294668	27.07917	.0956310	.2461889	343.4698

#1	.2072775	518.6933	.0992618	-.001023	.5041645	.5269885	-.001503
#2	.2145917	517.8398	.1010960	-.001507	.5034831	.5251569	.003608

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	483.2332	1.032021	.5187708	.4765866	.5474693	193.7397	-.023567
Stddev	1.8901	.001622	.0005777	.0089255	.0091138	.6650	.006463
%RSD	.3911465	.1571343	.1113624	1.872802	1.664709	.3432585	27.42409

#1	484.5698	1.033168	.5191793	.4702753	.5410249	194.2100	-.018997
#2	481.8967	1.030874	.5183623	.4828979	.5539137	193.2695	-.028137

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015182	526.0997	.4831265	.0058574	.0275097	1.009770	.0531090
Stddev	.0002348	1.9729	.0003316	.0003952	.0078875	.005588	.0042492
%RSD	15.46791	.3750064	.0686356	6.747229	28.67188	.5533835	8.000973

#1	.0013522	527.4947	.4828920	.0061369	.0330870	1.013721	.0561136
#2	.0016843	524.7046	.4833610	.0055780	.0219323	1.005818	.0501043

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

Sample Name: ICSAB Acquired: 5/12/2016 19:47:56 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5947739	.0400179	.0038245	-.000045	.0045494	.0010416	.0936805
Stddev	.0039216	.0052946	.0000770	.002791	.0000939	.0000995	.0005950
%RSD	.6593514	13.23051	2.012985	6229.323	2.063213	9.554988	.6351353

#1	.5975469	.0437617	.0038789	-.002018	.0044831	.0009712	.0932598
#2	.5920009	.0362741	.0037701	.001929	.0046158	.0011120	.0941013

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.4948023	1.034480
Stddev	.0082939	.003162
%RSD	1.676205	.3056377

#1	.4889377	1.032245
#2	.5006670	1.036716

Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	920.5424	594.3772	6180.077	2962.392
Stddev	4.4340	3.4582	75.206	11.313
%RSD	.4816682	.5818113	1.216916	.3818842

#1	917.4071	591.9319	6233.256	2954.392
#2	923.6777	596.8225	6126.899	2970.391

Sample Name: CCV Acquired: 5/12/2016 19:52:53 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem Units	Ag3280 ppm	Al3082 ppm	As1890 ppm	B_2089 ppm	Ba4554 ppm	Be2348 ppm	Bi2230 ppm
Avg	.4845576	49.80266	.5182897	.4970058	.4982757	.5117121	.4973222
Stddev	.0002691	.12961	.0041693	.0014327	.0005151	.0035920	.0029649
%RSD	.0555291	.2602569	.8044274	.2882631	.1033831	.7019577	.5961623

#1	.4843674	49.71101	.5153416	.4959927	.4979115	.5091721	.4952257
#2	.4847479	49.89431	.5212379	.4980188	.4986400	.5142520	.4994187

Check ? Value Range	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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Elem Units	Ca3179 ppm	Cd2288 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2714 ppm	K_7664 ppm
Avg	25.14817	.4961104	.5184138	.4980699	.4992117	25.48363	49.25035
Stddev	.19601	.0012338	.0044985	.0014840	.0019261	.12530	.13760
%RSD	.7794230	.2486942	.8677405	.2979584	.3858341	.4916744	.2793913

#1	25.00957	.4952380	.5152329	.4970205	.5005737	25.39503	49.15305
#2	25.28677	.4969829	.5215948	.4991192	.4978498	25.57223	49.34764

Check ? Value Range	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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Elem Units	Li6707 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm
Avg	3.942269	25.22487	4.977283	.4928259	24.79793	.5180833	.5074282
Stddev	.000365	.08603	.031942	.0019331	.03293	.0046587	.0003843
%RSD	.0092648	.3410669	.6417481	.3922564	.1327891	.8992185	.0757425

#1	3.942011	25.16404	4.954697	.4914590	24.77464	.5147891	.5071564
#2	3.942528	25.28571	4.999869	.4941929	24.82121	.5213775	.5077000

Check ? Value Range	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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Sample Name: CCV Acquired: 5/12/2016 19:52:53 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4991077	.4836170	.4808694	.5224776	.5003600	.5089635	.4991922
Stddev	.0003999	.0024374	.0002797	.0057644	.0015959	.0012758	.0050081
%RSD	.0801293	.5039857	.0581700	1.103275	.3189411	.2506577	1.003233

#1	.4988249	.4853405	.4806716	.5184016	.5014884	.5098656	.4956510
#2	.4993904	.4818936	.4810672	.5265536	.4992316	.5080614	.5027335

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	5.036051	.5326109
Stddev	.009549	.0036880
%RSD	.1896184	.6924344

#1	5.029298	.5300031
#2	5.042803	.5352187

Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1115.345	669.8177	6865.111	3148.151
Stddev	2.717	.5099	40.843	13.501
%RSD	.2436329	.0761258	.5949294	.4288458

#1	1117.267	670.1783	6836.231	3157.698
#2	1113.424	669.4572	6893.991	3138.605

Sample Name: CCB Acquired: 5/12/2016 19:56:57 Type: QC

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000164	-.008534	-.001138	.0002540	-.000093	-.000217	-.000082
Stddev	.000364	.010916	.003366	.0000930	.000113	.000178	.001006
%RSD	221.5272	127.9229	295.8665	36.61944	121.0191	81.72005	1228.747

#1	.000093	-.000815	-.003518	.0003197	-.000013	-.000343	-.000793
#2	-.000422	-.016253	.001243	.0001882	-.000173	-.000092	.000630

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003533	.0002396	-.000221	-.000459	.0004925	.0187491	.0017414
Stddev	.000798	.0003242	.000317	.000678	.0006160	.0096645	.0013265
%RSD	22.58730	135.3005	143.7893	147.7768	125.0623	51.54647	76.17332

#1	-.004098	.0004688	.000004	.000021	.0009281	.0119153	.0026793
#2	-.002969	.0000104	-.000445	-.000939	.0000570	.0255829	.0008034

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006655	-.012532	.0001905	-.000065	-.004241	-.000156	-.002912
Stddev	.0003973	.013433	.0002372	.000138	.001493	.000053	.001788
%RSD	59.69818	107.1930	124.5214	212.7951	35.21819	34.11308	61.41624

#1	.0009465	-.022030	.0000228	.000033	-.003185	-.000118	-.001647
#2	.0003846	-.003033	.0003583	-.000163	-.005297	-.000193	-.004177

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

Sample Name: CCB Acquired: 5/12/2016 19:56:57 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0027781	-.001710	-.000749	-.001679	-.000004	.0001662	-.000467
Stddev	.0001952	.000942	.000640	.000135	.000003	.0001506	.000450
%RSD	7.027805	55.05120	85.44816	8.018005	80.17244	90.55847	96.43881
#1	.0026400	-.002376	-.000296	-.001774	-.000007	.0000598	-.000786
#2	.0029161	-.001045	-.001201	-.001584	-.000002	.0002727	-.000149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	-.000375	-.000122
Stddev	.000044	.000282
%RSD	11.62238	230.8974
#1	-.000406	.000077
#2	-.000344	-.000321
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1275.000	700.0667	7204.275	3211.687
Stddev	5.281	6.1767	2.147	8.565
%RSD	.4142080	.8823017	.0297948	.2666895
#1	1271.266	695.6991	7205.793	3217.744
#2	1278.735	704.4342	7202.757	3205.631

Sample Name: MRL Acquired: 5/12/2016 20:00:21 Type: QC
Method: P8051216A Mode: CONC Corr. Factor: 1.000000
User: JonesP Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046232	.2148976	.0100828	.0498798	.0100935	.0037118
Stddev	.0003482	.0149989	.0014709	.0003910	.0000843	.0002179
%RSD	7.531094	6.979570	14.58787	.7839810	.8348458	5.871532

#1	.0043770	.2042917	.0111229	.0501563	.0101530	.0035577
#2	.0048694	.2255034	.0090428	.0496032	.0100339	.0038659

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0481375	.2048524	.0020434	.0050092	.0088961	.0108288
Stddev	.0017689	.0023557	.0000195	.0000684	.0002977	.0000051
%RSD	3.674599	1.149930	.9548566	1.365298	3.346777	.0467643

#1	.0493882	.2031867	.0020296	.0049609	.0091067	.0108324
#2	.0468867	.2065181	.0020572	.0050576	.0086856	.0108253

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2714201	.4916084	.0111072	.1020584	.0106310	.0102487
Stddev	.1020285	.0189887	.0005264	.0150620	.0001311	.0000928
%RSD	37.59060	3.862573	4.739106	14.75824	1.232894	.9054984

#1	.3435651	.4781814	.0107350	.0914079	.0105384	.0101831
#2	.1992751	.5050355	.0114795	.1127088	.0107237	.0103144

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

Sample Name: MRL Acquired: 5/12/2016 20:00:21 Type: QC
Method: P8051216A Mode: CONC Corr. Factor: 1.000000
User: JonesP Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.010635	.0093010	.0047617	.0185037	F .0064466	.1745402
Stddev	.001453	.0006068	.0011912	.0000438	.0001209	.0008775
%RSD	.1437475	6.524171	25.01676	.2367718	1.875857	.5027324

#1	1.009608	.0097300	.0056040	.0185347	.0065321	.1751606
#2	1.011662	.0088719	.0039193	.0184727	.0063611	.1739197

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value					.0100000	
Range					-30.0000%	

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0399186	.0051709	.0050268	.0097715	.0052890	.0203676
Stddev	.0003327	.0000047	.0000636	.0017961	.0003553	.0003529
%RSD	.8333408	.0900721	1.264661	18.38058	6.717267	1.732902

#1	.0401538	.0051742	.0050718	.0085015	.0050378	.0201180
#2	.0396833	.0051676	.0049819	.0110415	.0055402	.0206171

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1277.099	703.2329	7214.631	3216.124
Stddev	3.178	.4949	16.686	2.673
%RSD	.2488434	.0703760	.2312835	.0831253

#1	1274.851	703.5828	7202.832	3214.234
#2	1279.346	702.8829	7226.430	3218.014

Sample Name: mb 500-334710/1-a Acquired: 5/12/2016 20:04:36 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000231	.0100908	.0011590	.0089224	.0000861	-.000107	-.000559
Stddev	.000273	.0106949	.0003596	.0003152	.0001134	.000156	.000371
%RSD	118.3222	105.9863	31.02645	3.532369	131.6970	145.8061	66.46752

#1	-.000038	.0025284	.0009047	.0091452	.0001663	.000003	-.000296
#2	-.000423	.0176532	.0014133	.0086995	.0000059	-.000217	-.000821

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0804589	.0001240	-.000412	-.000213	.0008808	.0676562	.0234253
Stddev	.0026577	.0000513	.000403	.000054	.0002202	.0326999	.0090635
%RSD	3.303152	41.35870	97.69241	25.33995	24.99461	48.33248	38.69118

#1	.0823381	.0001602	-.000697	-.000251	.0010365	.0445339	.0170164
#2	.0785796	.0000877	-.000127	-.000175	.0007251	.0907785	.0298341

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000241	-.015635	.0003563	.0001333	.0316742	-.000720	.0006704
Stddev	.0001333	.009428	.0009889	.0003781	.0033983	.000551	.0026719
%RSD	552.3571	60.30121	277.5682	283.6515	10.72879	76.52825	398.5323

#1	.0001184	-.022301	.0010556	-.000134	.0292713	-.000331	.0025597
#2	-.000070	-.008968	-.000343	.000401	.0340771	-.001110	-.001219

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

Sample Name: mb 500-334710/1-a Acquired: 5/12/2016 20:04:36 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006730	-.005679	-.001505	-.001221	.0002752	.0002877	-.000738
Stddev	.0015187	.001024	.000119	.001633	.0000022	.0002187	.000469
%RSD	225.6415	18.02155	7.921760	133.7378	.8010699	76.00680	63.51282

#1	.0017469	-.004956	-.001589	-.002376	.0002737	.0001331	-.000407
#2	-.000401	-.006403	-.001421	-.000066	.0002768	.0004424	-.001070

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0006341	.0029099
Stddev	.0001663	.0003075
%RSD	26.22277	10.56603

#1	.0005165	.0031273
#2	.0007517	.0026925

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1285.638	704.5327	7251.183	3264.691
Stddev	5.292	2.3031	37.864	43.032
%RSD	.4116140	.3269032	.5221830	1.318115

#1	1289.380	706.1613	7224.409	3295.119
#2	1281.896	702.9041	7277.957	3234.262

Sample Name: lcs 500-334710/2-a Acquired: 5/12/2016 20:08:51 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0494235	2.042003	.1010237	.9752483	2.000622	.0503186	.4967724
Stddev	.0005878	.008153	.0003671	.0008289	.011139	.0000866	.0061280
%RSD	1.189375	.3992461	.3633564	.0849970	.5567987	.1720391	1.233563

#1	.0490079	2.036238	.1007642	.9758345	2.008499	.0502574	.5011055
#2	.0498392	2.047767	.1012833	.9746622	1.992745	.0503798	.4924392

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.07728	.0506178	.5030547	.1991307	.2544192	1.062213	9.968109
Stddev	.00255	.0003234	.0032952	.0002467	.0005762	.020003	.083798
%RSD	.0252607	.6389981	.6550319	.1238805	.2264627	1.883160	.8406655

#1	10.07908	.0508465	.5053847	.1993051	.2540118	1.048069	10.02736
#2	10.07548	.0503890	.5007246	.1989562	.2548266	1.076358	9.90885

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5017311	9.909013	.5012091	.9969738	10.02972	.5038831	.0992433
Stddev	.0054365	.106455	.0007685	.0014884	.08607	.0019831	.0008098
%RSD	1.083545	1.074323	.1533260	.1492943	.8581796	.3935562	.8159711

#1	.5055753	9.984288	.5006657	.9980262	10.09058	.5052853	.0998159
#2	.4978869	9.833738	.5017525	.9959213	9.96885	.5024808	.0986706

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

Sample Name: lcs 500-334710/2-a Acquired: 5/12/2016 20:08:51 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5028939	.0921211	4.549064	1.000899	1.013958	1.021312	.0979464
Stddev	.0024675	.0008419	.018096	.000085	.008168	.000055	.0013620
%RSD	.4906526	.9139598	.3978060	.0085249	.8055275	.0054018	1.390559

#1	.5046387	.0915258	4.561860	1.000959	1.008182	1.021351	.0989094
#2	.5011492	.0927165	4.536268	1.000839	1.019733	1.021273	.0969833

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.5022865	.5021981
Stddev	.0007167	.0035393
%RSD	.1426815	.7047707

#1	.5027932	.5047008
#2	.5017797	.4996954

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1214.473	684.7854	7084.373	3223.204
Stddev	3.467	1.2341	20.992	3.244
%RSD	.2854906	.1802104	.2963207	.1006466

#1	1212.022	683.9128	7099.216	3220.910
#2	1216.925	685.6580	7069.529	3225.498

Sample Name: 500-111319-a-18-a Acquired: 5/12/2016 20:13:04 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000249	2.458330	.0184206	.0508647	.4053649	-.000293
Stddev	.000476	.010601	.0025540	.0001396	.0003528	.000481
%RSD	190.7365	.4312120	13.86466	.2744309	.0870321	163.8978

#1	.000087	2.450834	.0202266	.0509634	.4051154	.000047
#2	-.000586	2.465825	.0166147	.0507660	.4056143	-.000633

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000542	302.0163	.0053963	.0137363	.0034476	.0066395
Stddev	.0014985	1.5885	.0000253	.0002270	.0009712	.0000055
%RSD	2767.432	.5259582	.4686438	1.652562	28.16984	.0832669

#1	-.001005	300.8931	.0054142	.0135758	.0027609	.0066434
#2	.001114	303.1395	.0053784	.0138968	.0041344	.0066356

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8391852	780.6461	.1205167	.5714229	.0074050	.0112705
Stddev	.0056514	6.8924	.0000162	.0086267	.0004285	.0000672
%RSD	.6734429	.8829145	.0134299	1.509691	5.787010	.5966683

#1	.8351891	775.7724	.1205053	.5775229	.0071020	.0112229
#2	.8431814	785.5198	.1205282	.5653229	.0077081	.0113180

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

Sample Name: 500-111319-a-18-a Acquired: 5/12/2016 20:13:04 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	507.8860	.0516062	-.002594	.0011484	-.005695	6.692294
Stddev	5.5556	.0015874	.002155	.0032054	.005092	.045991
%RSD	1.093873	3.075911	83.10218	279.1220	89.40484	.6872277

#1	503.9576	.0504838	-.004118	.0034149	-.002095	6.659773
#2	511.8144	.0527287	-.001070	-.001118	-.009296	6.724815

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002537	F 3.255372	.0060009	-.004538	.0274801	.0203786
Stddev	.002200	.041349	.0003660	.003578	.0005641	.0000123
%RSD	86.72023	1.270164	6.099230	78.85892	2.052875	.0602262

#1	-.004093	3.284610	.0057420	-.002007	.0278790	.0203872
#2	-.000981	3.226134	.0062597	-.007068	.0270812	.0203699

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.000000				
Low Limit		-.005000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	906.9243	594.8250	6037.046	2974.798
Stddev	6.1024	1.8039	27.932	9.536
%RSD	.6728707	.3032737	.4626751	.3205743

#1	911.2394	596.1005	6017.296	2981.542
#2	902.6092	593.5494	6056.797	2968.055

Sample Name: 111319-a-19-a @5 Acquired: 5/12/2016 20:18:36 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000344	.0236281	8.904656	.0591343	.1761790	-.000010
Stddev	.000276	.0140269	.005047	.0007600	.0007918	.000075
%RSD	80.17108	59.36531	.0566807	1.285191	.4494569	725.0898

#1	-.000149	.0137096	8.901087	.0596717	.1767389	.000043
#2	-.000540	.0335467	8.908225	.0585969	.1756191	-.000064

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000538	75.37633	F -.002407	-.000835	.0003780	.0021794
Stddev	.001622	.11279	.000121	.000019	.0000279	.0008030
%RSD	301.6782	.1496327	5.012452	2.295698	7.373450	36.84287

#1	.000609	75.29658	-.002492	-.000849	.0003977	.0027472
#2	-.001685	75.45609	-.002322	-.000822	.0003583	.0016117

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			10.00000			
Low Limit			-.002000			

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.73562	7.977914	.0024123	10.41293	.2936481	.0000226
Stddev	.10503	.043804	.0001780	.01146	.0008020	.0002114
%RSD	.7646251	.5490690	7.379485	.1100371	.2731221	935.5048

#1	13.80989	8.008889	.0022864	10.40483	.2930810	.0001721
#2	13.66136	7.946940	.0025381	10.42103	.2942152	-.000127

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

Sample Name: 111319-a-19-a @5 Acquired: 5/12/2016 20:18:36 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	634.2122	.0008238	.0006554	-.001294	.0000528	2.457823
Stddev	.8841	.0008025	.0004074	.002568	.0042493	.001336
%RSD	.1393951	97.41472	62.15046	198.4154	8048.091	.0543420

#1	633.5871	.0013913	.0003674	.000522	.0030575	2.458767
#2	634.8374	.0002564	.0009435	-.003110	-.002952	2.456878

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

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002033	.3097112	.0051448	.0004365	.0020255	.0022976
Stddev	.0005024	.0007397	.0000857	.0014917	.0002927	.0001722
%RSD	247.1792	.2388452	1.666662	341.7393	14.45081	7.494911

#1	.0005585	.3091881	.0050841	.0014913	.0018185	.0024194
#2	-.000152	.3102343	.0052054	-.000618	.0022324	.0021758

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	976.3214	622.0227	6272.693	3038.307
Stddev	2.3353	.4692	20.617	1.008
%RSD	.2391914	.0754310	.3286827	.0331670

#1	974.6701	622.3545	6287.272	3037.594
#2	977.9727	621.6910	6258.115	3039.019

Sample Name: 111319-a-19-a SD@25 Acquired: 5/12/2016 20:23:50 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000187	-.003358	1.662059	.0111364	.0341010	-.000057	-.000684
Stddev	.000014	.025444	.004793	.0001260	.0001933	.000026	.003334
%RSD	7.393812	757.8113	.2883876	1.131408	.5669513	45.89796	487.2704

#1	-.000178	.014634	1.665449	.0112255	.0342377	-.000038	-.003041
#2	-.000197	-.021349	1.658670	.0110473	.0339643	-.000075	.001673

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.78350	-.000386	-.000150	.0004846	.0011166	2.737606	1.582982
Stddev	.01261	.000017	.000100	.0004111	.0001945	.011313	.006891
%RSD	.0853132	4.415415	66.81947	84.83167	17.42151	.4132284	.4352994

#1	14.77458	-.000373	-.000079	.0007753	.0009791	2.745605	1.587855
#2	14.79242	-.000398	-.000221	.0001939	.0012542	2.729607	1.578110

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006404	2.024134	.0573074	.0002490	122.9735	.0001375	-.001214
Stddev	.0001828	.003441	.0000394	.0002869	.0619	.0013229	.001264
%RSD	28.54727	.1699737	.0686820	115.2125	.0503354	962.2988	104.0634

#1	.0007697	2.021701	.0573353	.0000461	122.9297	-.000798	-.002108
#2	.0005111	2.026567	.0572796	.0004519	123.0172	.001073	-.000321

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

Sample Name: 111319-a-19-a SD@25 Acquired: 5/12/2016 20:23:50 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000870	-.001846	.4580143	.0007131	.0610451	.0023526	-.000894
Stddev	.001891	.003573	.0033215	.0007077	.0001256	.0001038	.003862
%RSD	217.2897	193.5166	.7252004	99.23703	.2057902	4.411117	431.7441

#1	.000467	.000680	.4603630	.0012136	.0611339	.0024259	-.003625
#2	-.002207	-.004373	.4556657	.0002127	.0609562	.0022792	.001836

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0006236	.0004157
Stddev	.0001556	.0002762
%RSD	24.96218	66.44755

#1	.0007336	.0006110
#2	.0005135	.0002204

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1133.573	673.5779	6836.613	3125.821
Stddev	2.414	4.3535	4.367	5.705
%RSD	.2129403	.6463202	.0638825	.1825161

#1	1131.866	670.4995	6833.525	3121.787
#2	1135.280	676.6562	6839.701	3129.855

Sample Name: 111319-a-19-b du @5 Acquired: 5/12/2016 20:28:05 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000086	.0244889	9.031457	.0592852	.1778642	-.000176
Stddev	.0000275	.0063586	.007781	.0012260	.0012261	.000006
%RSD	321.2746	25.96524	.0861547	2.068040	.6893203	3.296307

#1	-.000011	.0199927	9.025955	.0601521	.1769972	-.000172
#2	.000028	.0289850	9.036959	.0584182	.1787311	-.000180

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000318	77.00694	F -.002666	-.000564	.0004265	.0024723
Stddev	.001885	.30557	.000132	.000867	.0005611	.0003030
%RSD	592.8832	.3968117	4.964261	153.6572	131.5681	12.25482

#1	-.001651	76.79086	-.002573	-.001178	.0008232	.0026865
#2	.001015	77.22301	-.002760	.000049	.0000297	.0022581

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			10.00000			
Low Limit			-.002000			

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.91005	7.911309	.0019158	10.60872	.2996592	.0004083
Stddev	.16604	.041589	.0001366	.04107	.0007681	.0008308
%RSD	1.193685	.5256869	7.129337	.3870995	.2563393	203.4819

#1	13.79264	7.881902	.0020124	10.57969	.2991161	.0009958
#2	14.02746	7.940717	.0018192	10.63776	.3002024	-.000179

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

Sample Name: 111319-a-19-b du @5 Acquired: 5/12/2016 20:28:05 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	632.5609	-.000451	-.001537	.0006548	.0015942	2.500658
Stddev	.4682	.000131	.000294	.0014021	.0029883	.001520
%RSD	.0740147	29.16145	19.15119	214.1248	187.4487	.0607763

#1	632.8920	-.000543	-.001329	-.000337	-.000519	2.501733
#2	632.2299	-.000358	-.001745	.001646	.003707	2.499584

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

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001399	.3158638	.0049040	.0006096	.0021426	.0017207
Stddev	.000259	.0006096	.0000635	.0003057	.0007183	.0002236
%RSD	18.49504	.1930023	1.294994	50.15260	33.52356	12.99347

#1	-.001582	.3154327	.0049489	.0008257	.0026506	.0015626
#2	-.001216	.3162949	.0048591	.0003934	.0016347	.0018788

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	977.4728	624.0770	6293.664	3047.695
Stddev	1.0569	.7306	13.582	8.797
%RSD	.1081304	.1170653	.2157969	.2886590

#1	978.2201	624.5936	6303.267	3053.915
#2	976.7254	623.5604	6284.060	3041.474

Sample Name: 111319-a-19-c ms @5 Acquired: 5/12/2016 20:33:19 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0097911	.4491831	8.329387	.2536886	.5694013	.0102633	.1093536
Stddev	.0005068	.0082105	.058999	.0017065	.0009997	.0000521	.0028041
%RSD	5.176677	1.827878	.7083290	.6726688	.1755788	.5073642	2.564220

#1	.0101495	.4433774	8.371106	.2548953	.5686944	.0103001	.1113363
#2	.0094327	.4549888	8.287668	.2524819	.5701083	.0102265	.1073708

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	76.78853	.0076944	.1064622	.0409735	.0547057	13.67581	9.659272
Stddev	.29882	.0001701	.0013230	.0011562	.0004083	.19361	.026545
%RSD	.3891426	2.211037	1.242700	2.821707	.7463069	1.415732	.2748124

#1	76.57724	.0075741	.1073977	.0417911	.0544170	13.53891	9.678042
#2	76.99983	.0078146	.1055267	.0401560	.0549944	13.81271	9.640502

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1014376	12.38750	.3909674	.1945444	602.2273	.1052037	.0228656
Stddev	.0001092	.06943	.0000988	.0006570	1.0794	.0008334	.0003748
%RSD	.1076224	.5604944	.0252751	.3377192	.1792400	.7922017	1.639272

#1	.1015148	12.33840	.3908975	.1950089	602.9906	.1057930	.0231306
#2	.1013604	12.43659	.3910373	.1940798	601.4640	.1046144	.0226005

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

Sample Name: 111319-a-19-c ms @5 Acquired: 5/12/2016 20:33:19 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1028052	.0014393	3.298404	.2150270	.5011986	.2170015	.0181396
Stddev	.0015268	.0062172	.014834	.0016376	.0007211	.0007173	.0008777
%RSD	1.485151	431.9568	.4497193	.7615781	.1438841	.3305337	4.838585

#1	.1017256	.0058355	3.308893	.2161850	.5017085	.2175087	.0175189
#2	.1038848	-.002957	3.287915	.2138691	.5006887	.2164943	.0187602

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.1034268	.1107282
Stddev	.0001333	.0002609
%RSD	.1288357	.2356680

#1	.1035210	.1109127
#2	.1033325	.1105437

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	983.4265	629.2975	6326.753	3021.346
Stddev	4.7348	2.7273	2.529	6.667
%RSD	.4814622	.4333953	.0399754	.2206635

#1	980.0785	627.3690	6328.541	3026.060
#2	986.7745	631.2260	6324.965	3016.631

Sample Name: 111319-a-19-d msD @5 Acquired: 5/12/2016 20:38:32 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0119124	.5138916	8.374137	.2913288	.6409024	.0124774	.1287322
Stddev	.0004607	.0035861	.039920	.0010805	.0006008	.0003822	.0002133
%RSD	3.867369	.6978244	.4767014	.3708809	.0937356	3.063544	.1656826
#1	.0115866	.5164273	8.345909	.2905648	.6404776	.0127477	.1285814
#2	.0122381	.5113558	8.402364	.2920928	.6413272	.0122071	.1288830
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	75.77481	.0092834	.1275866	.0488922	.0647026	13.36263	9.901808
Stddev	.11172	.0002707	.0009336	.0000317	.0007402	.00155	.002346
%RSD	.1474309	2.915879	.7317360	.0648622	1.144025	.0116121	.0236893
#1	75.85381	.0094748	.1282468	.0489146	.0652260	13.36372	9.900149
#2	75.69582	.0090920	.1269265	.0488698	.0641792	13.36153	9.903467
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1190948	12.59943	.4036429	.2340067	597.9610	.1265086	.0245676
Stddev	.0001506	.02462	.0009335	.0006314	7.5077	.0002390	.0004901
%RSD	.1264775	.1953699	.2312790	.2698025	1.255554	.1889333	1.995083
#1	.1189883	12.61683	.4043030	.2344532	603.2697	.1266776	.0242210
#2	.1192013	12.58202	.4029828	.2335603	592.6522	.1263395	.0249142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 111319-a-19-d msD @5 Acquired: 5/12/2016 20:38:32 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1203021	.0036413	3.454365	.2614251	.5317842	.2554945	.0229540
Stddev	.0026313	.0036069	.019953	.0012712	.0009879	.0001789	.0004672
%RSD	2.187221	99.05328	.5776040	.4862706	.1857639	.0700172	2.035276
#1	.1184415	.0010909	3.440257	.2623240	.5324827	.2556210	.0226237
#2	.1221627	.0061918	3.468474	.2605262	.5310857	.2553680	.0232844
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.1224028	.1334128
Stddev	.0005356	.0008642
%RSD	.4376030	.6477399
#1	.1220240	.1328018
#2	.1227815	.1340239
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	985.6787	631.8532	6366.313	3043.962
Stddev	.0286	2.1125	14.826	5.347
%RSD	.0028981	.3343278	.2328832	.1756548
#1	985.6989	633.3470	6355.829	3047.742
#2	985.6585	630.3595	6376.796	3040.181

Sample Name: 111319-a-20-a @100 Acquired: 5/12/2016 20:44:50 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000464	.0075045	F 27.13921	.0041830	.0013084	-.000217
Stddev	.000271	.0048433	.22140	.0000294	.0000047	.000038
%RSD	58.33881	64.53924	.8157951	.7020931	.3580089	17.70214

#1	-.000273	.0040797	26.98266	.0041622	.0013117	-.000190
#2	-.000655	.0109292	27.29576	.0042038	.0013051	-.000245

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			20.00000			
Low Limit			-.010000			

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008497	3.258279	F -.007331	.0002695	-.000627	.0008241
Stddev	.0009009	.013465	.000691	.0003919	.000260	.0003554
%RSD	106.0177	.4132635	9.430914	145.4399	41.43532	43.12993

#1	.0002127	3.248758	-.007820	-.000008	-.000443	.0010754
#2	.0014867	3.267801	-.006842	.000547	-.000810	.0005728

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			10.00000			
Low Limit			-.002000			

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1296787	.3326734	.0008976	3.629235	.0040369	.0006623
Stddev	.0048003	.0204028	.0002846	.029645	.0007632	.0003398
%RSD	3.701716	6.132981	31.70477	.8168275	18.90652	51.31013

#1	.1262843	.3471004	.0006964	3.608273	.0034972	.0009026
#2	.1330730	.3182464	.0010989	3.650197	.0045765	.0004220

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

Sample Name: 111319-a-20-a @100 Acquired: 5/12/2016 20:44:50 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	65.56960	.0035467	.0005558	-.001970	-.007528	.2167746
Stddev	.14273	.0000677	.0008630	.000401	.002012	.0002794
%RSD	.2176744	1.907687	155.2717	20.34259	26.73248	.1288729

#1	65.67052	.0034989	.0011661	-.002254	-.008951	.2165770
#2	65.46867	.0035946	-.000054	-.001687	-.006105	.2169721

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000482	.0248257	.0012905	-.000257	.0003322	.0001646
Stddev	.002336	.0000813	.0001325	.003230	.0001721	.0000695
%RSD	484.8479	.3273976	10.26492	1259.053	51.81267	42.23483

#1	.001170	.0248832	.0013842	.002027	.0004539	.0001154
#2	-.002134	.0247682	.0011969	-.002540	.0002105	.0002137

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1181.039	685.2618	6998.331	3171.725
Stddev	7.890	2.9329	32.391	.380
%RSD	.6680314	.4279899	.4628367	.0119771

#1	1186.618	687.3356	6975.428	3171.994
#2	1175.460	683.1880	7021.235	3171.457

Sample Name: 500-111319-a-21-a Acquired: 5/12/2016 20:50:08 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000005	.0606487	.1947556	.1306843	.0782779	-.000033	.0000893
Stddev	.000609	.0162261	.0021442	.0001870	.0010336	.000368	.0013206
%RSD	11415.53	26.75425	1.100998	.1431079	1.320362	1115.906	1478.425

#1	.000425	.0721223	.1962719	.1308165	.0790087	.000227	-.000844
#2	-.000436	.0491751	.1932394	.1305520	.0775471	-.000293	.001023

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	218.1255	.0003342	.0035755	.0034307	.0030445	21.63924	16.34130
Stddev	1.3670	.0001033	.0000106	.0002012	.0005969	.20557	.13528
%RSD	.6267002	30.91100	.2967509	5.864536	19.60436	.9500008	.8278415

#1	219.0921	.0004072	.0035830	.0032884	.0026224	21.78460	16.43696
#2	217.1589	.0002611	.0035680	.0035730	.0034665	21.49388	16.24565

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0029832	74.86271	1.063879	.0010884	72.14236	.0036120	-.000077
Stddev	.0007887	.39548	.005868	.0002053	.60819	.0003750	.000294
%RSD	26.43865	.5282675	.5516085	18.86487	.8430417	10.38329	382.8320

#1	.0024255	75.14235	1.068028	.0009432	72.57242	.0038772	.000131
#2	.0035409	74.58306	1.059729	.0012335	71.71231	.0033468	-.000285

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

Sample Name: 500-111319-a-21-a Acquired: 5/12/2016 20:50:08 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010416	-.002536	12.11547	-.000754	.2946906	.0103374	-.001459
Stddev	.0007494	.002699	.02099	.002231	.0014213	.0000285	.001906
%RSD	71.94822	106.4398	.1732110	295.9247	.4823093	.2761150	130.6338

#1	.0015715	-.000627	12.10063	.000824	.2936856	.0103172	-.002807
#2	.0005117	-.004445	12.13031	-.002331	.2956956	.0103576	-.000111

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0176214	.0042547
Stddev	.0001141	.0001588
%RSD	.6475376	3.731314

#1	.0177021	.0043670
#2	.0175407	.0041425

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1057.660	638.4566	6631.219	3105.507
Stddev	3.222	1.9276	16.846	17.831
%RSD	.3046175	.3019105	.2540412	.5741597

#1	1059.938	639.8196	6643.131	3092.899
#2	1055.381	637.0936	6619.307	3118.115

Sample Name: CCV Acquired: 5/12/2016 20:55:23 Type: QC

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4873337	49.60419	.4982881	.4956675	.4980507	.5100335	.4978979
Stddev	.0009650	.07068	.0024720	.0002212	.0013217	.0016661	.0016219
%RSD	.1980087	.1424829	.4960977	.0446321	.2653733	.3266594	.3257427

#1	.4866514	49.65417	.5000361	.4958239	.4989853	.5112116	.4967511
#2	.4880160	49.55422	.4965402	.4955111	.4971161	.5088554	.4990447

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.23067	.4948980	.5183763	.4971436	.5078860	25.54407	48.17604
Stddev	.11999	.0024681	.0000360	.0034553	.0016535	.15260	.11961
%RSD	.4755880	.4987070	.0069520	.6950348	.3255748	.5973929	.2482811

#1	25.31552	.4931528	.5183508	.4947003	.5090552	25.65198	48.26062
#2	25.14582	.4966432	.5184018	.4995869	.5067168	25.43617	48.09146

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.877918	25.39465	5.012775	.4859097	23.93302	.5099340	.5004967
Stddev	.003831	.13896	.015780	.0003635	.08509	.0003788	.0039697
%RSD	.0988028	.5471859	.3148007	.0748142	.3555287	.0742887	.7931544

#1	3.880627	25.49291	5.023934	.4856526	23.99319	.5096662	.4976896
#2	3.875209	25.29640	5.001617	.4861667	23.87285	.5102019	.5033037

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

Sample Name: CCV Acquired: 5/12/2016 20:55:23 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4984832	.4805230	.4824703	.5311057	.5040675	.5189149	.4946469
Stddev	.0048229	.0025326	.0035668	.0037040	.0022690	.0009081	.0075671
%RSD	.9675234	.5270487	.7392782	.6974096	.4501300	.1750046	1.529802

#1	.4950728	.4787322	.4799482	.5284866	.5056719	.5195570	.4892961
#2	.5018935	.4823138	.4849924	.5337248	.5024631	.5182727	.4999976

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	4.913822	.5195684
Stddev	.000765	.0006335
%RSD	.0155705	.1219367

#1	4.913281	.5191204
#2	4.914363	.5200164

Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1136.027	683.1462	6936.463	3147.545
Stddev	2.328	.7756	18.059	12.570
%RSD	.2049366	.1135290	.2603503	.3993657

#1	1134.381	682.5978	6923.693	3138.657
#2	1137.673	683.6946	6949.232	3156.434

Sample Name: CCB Acquired: 5/12/2016 20:59:28 Type: QC

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002283	-.004497	.0015133	.0003229	.0000149	-.000329	-.000268
Stddev	.0002669	.005045	.0022087	.0002173	.0000331	.000014	.000367
%RSD	116.9370	112.1959	145.9585	67.29443	221.7160	4.249377	136.9117

#1	.0000395	-.000929	.0030751	.0001693	-.000008	-.000319	-.000527
#2	.0004170	-.008064	-.000049	.0004766	.000038	-.000338	-.000009

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002770	.0002142	.0000437	.0000545	-.000060	.0500811	.0445686
Stddev	.003496	.0000830	.0001587	.0002832	.000114	.0029281	.0109915
%RSD	126.2063	38.74241	362.8684	519.9263	189.8971	5.846718	24.66187

#1	-.005242	.0002728	.0001560	.0002547	-.000141	.0480107	.0523407
#2	-.000298	.0001555	-.000068	-.000146	.000021	.0521516	.0367965

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006037	-.004523	.0003779	.0002355	.0200248	-.000455	-.000039
Stddev	.0004261	.002261	.0000397	.0003452	.0027047	.000453	.000435
%RSD	70.58245	49.98174	10.50789	146.6227	13.50658	99.46980	1114.042

#1	.0003024	-.002924	.0004059	.0004796	.0219373	-.000135	.000268
#2	.0009051	-.006121	.0003498	-.000009	.0181123	-.000775	-.000346

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

Sample Name: CCB Acquired: 5/12/2016 20:59:28 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004343	-.001560	-.000832	-.001626	.0000063	.0000851	.0007576
Stddev	.0001914	.002523	.001570	.000108	.0000002	.0000875	.0018470
%RSD	44.07815	161.6908	188.7147	6.619473	3.589925	102.8132	243.8027
#1	.0005697	-.003345	.000278	-.001550	.0000065	.0000232	-.000548
#2	.0002990	.000224	-.001942	-.001702	.0000062	.0001469	.002064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0001758	-.000210
Stddev	.0005071	.000197
%RSD	288.5132	93.82449
#1	.0005344	-.000349
#2	-.000183	-.000071
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1301.247	715.7539	7299.240	3215.744
Stddev	7.199	4.0878	6.779	13.286
%RSD	.5532118	.5711188	.0928672	.4131565
#1	1296.157	712.8634	7304.034	3225.139
#2	1306.337	718.6444	7294.447	3206.349

Sample Name: 500-111319-a-22-a Acquired: 5/12/2016 21:03:44 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005625	.0219495	2.587220	.0600283	1.211864	.0001410	-.000782
Stddev	.0001936	.0022276	.056499	.0016448	.000002	.0003244	.000627
%RSD	34.41428	10.14885	2.183776	2.740043	.0001950	230.1102	80.22438

#1	.0006994	.0203744	2.627171	.0611913	1.211863	.0003703	-.000338
#2	.0004256	.0235247	2.547270	.0588652	1.211866	-.000088	-.001225

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	163.9857	-.000813	-.000267	.0003472	.0017539	20.51958	2.595711
Stddev	.2522	.000338	.000797	.0002214	.0000610	.14622	.014983
%RSD	.1537860	41.64002	298.5939	63.78888	3.478722	.7126020	.5772210

#1	164.1640	-.001052	.000297	.0005038	.0017971	20.62298	2.606306
#2	163.8073	-.000573	-.000830	.0001906	.0017108	20.41619	2.585116

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0047869	46.59518	.4900815	.0006970	53.84232	-.000011	.0022092
Stddev	.0002500	.02279	.0016391	.0000039	.05262	.000315	.0006159
%RSD	5.222248	.0489070	.3344576	.5569256	.0977251	2775.978	27.87853

#1	.0049637	46.61129	.4912406	.0006943	53.80511	-.000234	.0026447
#2	.0046102	46.57906	.4889225	.0006998	53.87952	.000212	.0017737

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

Sample Name: 500-111319-a-22-a Acquired: 5/12/2016 21:03:44 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008541	-.002890	22.77811	.0006131	.4900455	.0049389	-.000616
Stddev	.0008117	.003027	.46121	.0033904	.0011261	.0001625	.001510
%RSD	95.04005	104.7341	2.024804	552.9982	.2297999	3.290626	245.0029

#1	.0014280	-.000750	23.10424	.0030105	.4908418	.0050538	-.001684
#2	.0002801	-.005030	22.45198	-.001784	.4892492	.0048240	.000451

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0030361	.0042884
Stddev	.0006426	.0003323
%RSD	21.16581	7.747820

#1	.0034905	.0040535
#2	.0025817	.0045234

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1103.530	661.5594	6779.207	3131.785
Stddev	14.204	11.3543	7.244	2.043
%RSD	1.287104	1.716293	.1068514	.0652202

#1	1093.487	653.5307	6774.085	3133.229
#2	1113.573	669.5881	6784.330	3130.341

Sample Name: 500-111319-a-23-a Acquired: 5/12/2016 21:07:56 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000693	.0458515	.5169510	.3030169	.0771072	.0000076	-.001180
Stddev	.000875	.0022663	.0010341	.0023389	.0001455	.0002311	.002613
%RSD	126.1892	4.942644	.2000306	.7718613	.1886917	3029.022	221.4830

#1	-.001312	.0474540	.5162199	.3013631	.0770043	-.000156	-.003027
#2	-.000075	.0442490	.5176822	.3046707	.0772100	.000171	.000668

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	94.06327	.0001156	.0008356	.0009265	.0060875	.1419270	28.74310
Stddev	.16625	.0000123	.0002085	.0006399	.0005434	.1030184	.01049
%RSD	.1767454	10.63428	24.95479	69.06683	8.926079	72.58554	.0365119

#1	93.94571	.0001069	.0006882	.0004740	.0064717	.2147720	28.75052
#2	94.18082	.0001242	.0009830	.0013790	.0057032	.0690819	28.73568

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017130	25.22282	.0222932	.0347191	118.4061	.0043406	-.003280
Stddev	.0002502	.03154	.0000174	.0004593	.0877	.0003120	.002486
%RSD	14.60859	.1250515	.0779064	1.322905	.0740325	7.187921	75.79223

#1	.0015360	25.20051	.0222810	.0343943	118.4681	.0045612	-.005038
#2	.0018899	25.24512	.0223055	.0350439	118.3441	.0041200	-.001522

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

Sample Name: 500-111319-a-23-a Acquired: 5/12/2016 21:07:56 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0084761	-.003463	10.96792	-.000085	1.226737	.0040168	-.001185
Stddev	.0000370	.001817	.05567	.000716	.004810	.0000331	.000385
%RSD	.4367363	52.47578	.5075427	840.0749	.3920990	.8251729	32.47188

#1	.0084499	-.004748	10.92856	.000421	1.230139	.0039934	-.001457
#2	.0085022	-.002178	11.00728	-.000591	1.223336	.0040403	-.000913

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0061806	.0078779
Stddev	.0000104	.0000190
%RSD	.1688549	.2406036

#1	.0061732	.0078645
#2	.0061880	.0078913

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1092.894	653.5095	6752.307	3131.445
Stddev	5.626	3.9946	1.546	2.612
%RSD	.5148246	.6112466	.0228982	.0833984

#1	1096.872	656.3341	6753.401	3133.292
#2	1088.915	650.6850	6751.214	3129.598

Sample Name: 500-111319-a-24-a Acquired: 5/12/2016 21:12:16 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004111	.0304454	.1523304	.1181877	.1498362	-.000274	-.000707
Stddev	.0000750	.0148284	.0043932	.0011822	.0005260	.000013	.001694
%RSD	18.23378	48.70489	2.883967	1.000317	.3510612	4.690513	239.4752

#1	.0003581	.0199601	.1492239	.1173517	.1494642	-.000265	-.001905
#2	.0004641	.0409306	.1554368	.1190237	.1502082	-.000283	.000490

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	203.7173	-.000072	.0004808	.0015488	.0022336	9.227317	14.96240
Stddev	1.3343	.000136	.0007076	.0010390	.0000650	.048375	.03471
%RSD	.6549696	189.9781	147.1719	67.08208	2.912205	.5242602	.2319557

#1	204.6608	.000025	-.000020	.0008141	.0022796	9.261523	14.93786
#2	202.7738	-.000168	.000981	.0022835	.0021876	9.193110	14.98694

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0021239	65.29709	1.024455	.0014188	164.1202	.0001999	-.000691
Stddev	.0004498	.28727	.004724	.0002505	.2599	.0011240	.001753
%RSD	21.18014	.4399417	.4611578	17.65766	.1583295	562.2149	253.7203

#1	.0024420	65.50022	1.027796	.0015960	164.3040	.0009947	.000549
#2	.0018058	65.09396	1.021115	.0012417	163.9365	-.000595	-.001930

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

Sample Name: 500-111319-a-24-a Acquired: 5/12/2016 21:12:16 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009976	-.002797	12.62357	-.000692	.3726640	.0055427	-.001056
Stddev	.0005176	.003412	.02729	.000375	.0011845	.0000453	.002630
%RSD	51.88132	122.0117	.2161953	54.16049	.3178415	.8164758	249.0123

#1	.0006316	-.005210	12.60427	-.000957	.3735016	.0055107	-.002916
#2	.0013636	-.000384	12.64287	-.000427	.3718265	.0055747	.000804

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0054492	.0034642
Stddev	.0003423	.0002242
%RSD	6.281951	6.471896

#1	.0052071	.0033057
#2	.0056912	.0036228

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1035.818	630.5332	6538.142	3081.946
Stddev	.332	1.1694	30.277	2.581
%RSD	.0320481	.1854550	.4630834	.0837378

#1	1036.053	631.3601	6516.733	3080.121
#2	1035.583	629.7064	6559.552	3083.770

Sample Name: 111319-a-24-a SD@5 Acquired: 5/12/2016 21:16:34 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000165	.0050650	.0305698	.0249364	.0299931	-.000143	-.000662
Stddev	.000577	.0029081	.0036940	.0002602	.0000818	.000034	.000045
%RSD	348.8323	57.41662	12.08367	1.043452	.2728404	24.01879	6.759415

#1	.000243	.0030086	.0331818	.0247524	.0300510	-.000167	-.000630
#2	-.000573	.0071214	.0279578	.0251204	.0299353	-.000119	-.000694

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	41.56365	-.000162	-.000096	.0002465	.0007415	1.966684	2.940621
Stddev	.09928	.000048	.000272	.0007773	.0004248	.042069	.020491
%RSD	.2388720	29.68210	283.2287	315.3502	57.28762	2.139060	.6968239

#1	41.63386	-.000196	.000096	-.000303	.0004411	1.936937	2.955111
#2	41.49345	-.000128	-.000288	.000796	.0010418	1.996431	2.926132

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008330	12.90008	.2104445	.0003453	32.45621	-.000309	.0002900
Stddev	.0000978	.05875	.0005767	.0006878	.01127	.000021	.0017744
%RSD	11.73761	.4553869	.2740527	199.2024	.0347121	6.661011	611.9516

#1	.0009021	12.94162	.2108523	.0008316	32.46418	-.000323	.0015446
#2	.0007638	12.85854	.2100367	-.000141	32.44824	-.000294	-.000965

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

Sample Name: 111319-a-24-a SD@5 Acquired: 5/12/2016 21:16:34 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025345	-.000071	2.457677	-.001485	.0753393	.0037013	.0000244
Stddev	.0006997	.001687	.007157	.000230	.0000784	.0000354	.0002739
%RSD	27.60864	2366.457	.2911985	15.46952	.1041265	.9573124	1123.803

#1	.0030293	-.001264	2.452616	-.001648	.0752838	.0037263	.0002181
#2	.0020397	.001122	2.462737	-.001323	.0753947	.0036762	-.000169

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0009879	.0010429
Stddev	.0004018	.0002777
%RSD	40.67069	26.62197

#1	.0007038	.0012393
#2	.0012720	.0008466

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1182.523	681.4934	6975.547	3148.802
Stddev	.211	1.7161	3.686	1.060
%RSD	.0178157	.2518156	.0528402	.0336530

#1	1182.672	682.7069	6978.154	3148.052
#2	1182.374	680.2800	6972.941	3149.551

Sample Name: 500-111319-a-24-b du Acquired: 5/12/2016 21:20:47 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000174	.0404010	.1496861	.1143251	.1444735	-.000151	-.002745
Stddev	.000329	.0072478	.0017249	.0001854	.0005430	.000479	.000871
%RSD	189.4479	17.93975	1.152357	.1621659	.3758368	317.2414	31.73448

#1	-.000406	.0455260	.1484664	.1141940	.1448574	-.000490	-.003361
#2	.000059	.0352760	.1509058	.1144562	.1440895	.000188	-.002129

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	198.9817	-.000146	-.000347	.0015317	.0020713	9.021087	14.48860
Stddev	.4184	.000213	.000151	.0000826	.0002891	.039418	.08369
%RSD	.2102942	145.5753	43.43689	5.393682	13.95567	.4369561	.5776498

#1	199.2776	-.000297	-.000240	.0014733	.0022757	9.048960	14.54778
#2	198.6858	.000004	-.000453	.0015901	.0018669	8.993214	14.42942

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015934	63.45097	.9956491	.0009675	158.7150	-.000614	-.001680
Stddev	.0006066	.21187	.0026451	.0002566	.3364	.000399	.000445
%RSD	38.06820	.3339108	.2656671	26.52227	.2119457	65.03261	26.50284

#1	.0020224	63.60079	.9975194	.0007860	158.9529	-.000332	-.001995
#2	.0011645	63.30116	.9937787	.0011489	158.4771	-.000896	-.001365

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

Sample Name: 500-111319-a-24-b du Acquired: 5/12/2016 21:20:47 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001755	-0.004561	12.09883	-0.001911	.3574218	.0054585	-.002643
Stddev	.000411	.004902	.11731	.000188	.0026898	.0000102	.003592
%RSD	23.42685	107.4899	.9695743	9.833468	.7525674	.1861878	135.8706

#1	-0.002045	-0.008027	12.01588	-0.002044	.3593238	.0054513	-.000104
#2	-0.001464	-0.001094	12.18178	-0.001779	.3555198	.0054657	-.005183

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0057493	.0060366
Stddev	.0002469	.0020061
%RSD	4.293827	33.23254

#1	.0055748	.0074551
#2	.0059239	.0046181

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1043.788	637.8693	6573.435	3071.612
Stddev	7.184	10.1178	41.582	2.087
%RSD	.6882535	1.586189	.6325831	.0679375

#1	1048.868	645.0237	6544.032	3070.136
#2	1038.708	630.7150	6602.838	3073.087

Sample Name: 500-111319-a-24-c ms Acquired: 5/12/2016 21:25:04 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0511335	2.150554	.2716519	1.117479	2.174687	.0529487	.5424909
Stddev	.0001077	.026732	.0014775	.000691	.003129	.0000767	.0017187
%RSD	.2106399	1.243029	.5439092	.0618635	.1438669	.1447957	.3168177

#1	.0512097	2.169456	.2726967	1.117968	2.176899	.0530029	.5412756
#2	.0510574	2.131652	.2706072	1.116990	2.172474	.0528945	.5437062

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	229.4755	.0521341	.5337611	.1994614	.2684404	10.84357	26.39143
Stddev	.0509	.0005601	.0006168	.0002027	.0014686	.05605	.06290
%RSD	.0221620	1.074267	.1155602	.1016086	.5471060	.5169209	.2383364

#1	229.4395	.0525301	.5333249	.1996048	.2674019	10.88320	26.43590
#2	229.5114	.0517381	.5341972	.1993181	.2694789	10.80393	26.34695

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5136109	81.35349	1.611303	.9983765	189.1278	.5242633	.0996046
Stddev	.0002476	.08467	.001238	.0016950	1.1649	.0014458	.0023002
%RSD	.0481982	.1040720	.0768493	.1697764	.6159250	.2757736	2.309372

#1	.5137860	81.29362	1.612179	.9971779	188.3041	.5252856	.0979781
#2	.5134359	81.41335	1.610427	.9995750	189.9515	.5232410	.1012311

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

Sample Name: 500-111319-a-24-c ms Acquired: 5/12/2016 21:25:04 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5253680	.0847403	18.21955	1.095164	1.389252	1.063951	.0971561
Stddev	.0035175	.0039085	.02340	.007068	.003158	.001016	.0024814
%RSD	.6695272	4.612372	.1284434	.6454182	.2272971	.0955256	2.554025

#1	.5228807	.0819765	18.20301	1.090166	1.387020	1.063232	.0954015
#2	.5278552	.0875040	18.23610	1.100162	1.391485	1.064669	.0989107

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.5099359	.5194902
Stddev	.0001563	.0004131
%RSD	.0306509	.0795260

#1	.5098253	.5191981
#2	.5100464	.5197823

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1014.533	628.7139	6517.781	3070.892
Stddev	.187	.0015	30.347	.784
%RSD	.0184263	.0002410	.4656044	.0255174

#1	1014.665	628.7129	6539.240	3071.446
#2	1014.400	628.7150	6496.323	3070.338

Sample Name: 111319-a-24-d ms D Acquired: 5/12/2016 21:29:21 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0494241	2.032892	.2580701	1.061787	2.067138	.0507658	.5116023
Stddev	.0002428	.024298	.0005317	.006867	.002926	.0002039	.0016847
%RSD	.4911889	1.195218	.2060271	.6467777	.1415554	.4016671	.3292940

#1	.0492524	2.050073	.2584461	1.056931	2.069207	.0509100	.5104111
#2	.0495958	2.015711	.2576942	1.066643	2.065069	.0506216	.5127936

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	212.0166	.0494196	.5046378	.1915238	.2556458	9.959441	24.58250
Stddev	1.2530	.0001880	.0010500	.0012792	.0012251	.017781	.06218
%RSD	.5910136	.3804354	.2080621	.6679036	.4791981	.1785355	.2529499

#1	212.9026	.0492867	.5053802	.1906193	.2547796	9.946868	24.62647
#2	211.1305	.0495525	.5038953	.1924283	.2565120	9.972014	24.53853

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4892679	75.07111	1.496541	.9499993	174.7051	.4974219	.0961494
Stddev	.0023502	.52299	.005547	.0014848	1.7041	.0010662	.0003814
%RSD	.4803539	.6966651	.3706707	.1562912	.9754115	.2143376	.3966873

#1	.4909298	75.44092	1.500463	.9489494	175.9100	.4966680	.0964191
#2	.4876061	74.70129	1.492618	.9510492	173.5001	.4981758	.0958798

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

Sample Name: 111319-a-24-d ms D Acquired: 5/12/2016 21:29:21 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5004387	.0814283	16.83446	1.031942	1.318157	1.019813	.0930537
Stddev	.0007937	.0021931	.07078	.000065	.003098	.002367	.0015098
%RSD	.1585966	2.693239	.4204762	.0062716	.2350290	.2321358	1.622476

#1	.4998775	.0798776	16.78440	1.031897	1.320348	1.018139	.0941213
#2	.5009999	.0829790	16.88451	1.031988	1.315967	1.021487	.0919861

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.4859544	.4959203
Stddev	.0003280	.0019322
%RSD	.0674997	.3896096

#1	.4857225	.4972865
#2	.4861863	.4945541

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1028.733	633.4415	6526.955	3068.517
Stddev	1.982	3.6662	3.591	16.554
%RSD	.1926863	.5787699	.0550160	.5394723

#1	1030.134	636.0339	6524.416	3056.812
#2	1027.331	630.8492	6529.495	3080.223

Sample Name: 500-111319-a-25-a Acquired: 5/12/2016 21:33:41 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000399	.0368140	.0085541	.1088885	.2372525	-.000100	-.000915
Stddev	.000669	.0162980	.0030736	.0001466	.0005072	.000316	.000432
%RSD	167.7007	44.27120	35.93095	.1346244	.2137699	315.3817	47.23735

#1	-.000871	.0483384	.0063808	.1087848	.2376111	-.000324	-.001221
#2	.000074	.0252896	.0107275	.1089922	.2368938	.000123	-.000610

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	110.7465	.0001720	-.000126	.0006469	.0017051	.0449679	8.345196
Stddev	.1992	.0002090	.000049	.0002190	.0002975	.0365060	.008848
%RSD	.1798713	121.5654	39.18042	33.84508	17.44926	81.18221	.1060298

#1	110.8873	.0003198	-.000161	.0008017	.0014947	.0707815	8.351452
#2	110.6056	.0000241	-.000091	.0004921	.0019155	.0191543	8.338939

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0105427	66.26765	.0614626	.0038024	119.0361	.0022282	-.002334
Stddev	.0000214	.00698	.0010824	.0000119	.0781	.0016056	.000179
%RSD	.2032175	.0105256	1.761053	.3123220	.0656064	72.05598	7.685203

#1	.0105578	66.26271	.0622280	.0037940	119.0913	.0010929	-.002207
#2	.0105275	66.27258	.0606973	.0038108	118.9809	.0033635	-.002461

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

Sample Name: 500-111319-a-25-a Acquired: 5/12/2016 21:33:41 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012740	-.002714	11.73853	.0008434	.4193052	.0041522	-.002408
Stddev	.0012717	.004135	.00218	.0007985	.0006059	.0000721	.000490
%RSD	99.81446	152.3826	.0185950	94.67927	.1445117	1.735212	20.32788

#1	.0003748	-.005638	11.74008	.0002788	.4188767	.0042032	-.002754
#2	.0021732	.000210	11.73699	.0014080	.4197336	.0041012	-.002062

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0000850	.0069930
Stddev	.0002489	.0000199
%RSD	292.5999	.2846989

#1	-.000091	.0070071
#2	.000261	.0069789

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1080.290	649.5376	6680.314	3098.298
Stddev	3.257	.6080	7.406	5.906
%RSD	.3015338	.0935989	.1108659	.1906350

#1	1082.593	649.1077	6685.551	3094.122
#2	1077.986	649.9675	6675.077	3102.474

Sample Name: 500-111319-a-26-a Acquired: 5/12/2016 21:38:58 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001578	.0115909	.4310725	.3721047	.0758925	-.000218	-.001105
Stddev	.0008381	.0267646	.0047161	.0052825	.0000981	.000184	.000336
%RSD	531.0107	230.9101	1.094033	1.419619	.1292860	84.36634	30.38985

#1	-.000435	.0305164	.4344073	.3758399	.0759618	-.000088	-.001343
#2	.000750	-.007335	.4277378	.3683694	.0758231	-.000348	-.000868

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	119.7608	.0004783	-.000237	-.000046	.0024465	.1532946	13.94253
Stddev	.2533	.0000806	.000432	.001089	.0002972	.0536428	.01405
%RSD	.2115224	16.85804	182.6953	2356.711	12.14650	34.99332	.1008006

#1	119.9399	.0004212	.000069	-.000816	.0022364	.1153633	13.93259
#2	119.5817	.0005353	-.000542	.000724	.0026566	.1912258	13.95247

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0059859	28.94803	.0079102	.0467397	82.91957	.0027849	-.000884
Stddev	.0002115	.03684	.0005904	.0013142	.12267	.0007144	.001538
%RSD	3.533760	.1272786	7.464129	2.811826	.1479330	25.65306	174.1209

#1	.0061354	28.92198	.0083277	.0476690	82.83284	.0022798	-.001971
#2	.0058363	28.97408	.0074927	.0458104	83.00631	.0032901	.000204

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

Sample Name: 500-111319-a-26-a Acquired: 5/12/2016 21:38:58 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007800	-.003061	14.50762	.0001050	1.958791	.0039239	-.000636
Stddev	.0024396	.002349	.23756	.0002042	.005728	.0001961	.001695
%RSD	312.7495	76.72853	1.637510	194.4598	.2924212	4.998346	266.4975

#1	.0025051	-.004722	14.67561	.0002494	1.962841	.0037853	-.001834
#2	-.000945	-.001400	14.33964	-.000039	1.954741	.0040626	.000562

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0017834	.0095966
Stddev	.0006680	.0006027
%RSD	37.45764	6.279814

#1	.0022558	.0100228
#2	.0013111	.0091705

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1093.789	646.3844	6738.043	3120.335
Stddev	12.647	6.9240	4.210	1.562
%RSD	1.156220	1.071196	.0624829	.0500549

#1	1084.847	641.4884	6735.066	3119.230
#2	1102.732	651.2804	6741.020	3121.439

Sample Name: 500-111319-a-27-a Acquired: 5/12/2016 21:44:20 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003696	.0297657	.0962771	.0558130	.0802943	-.000236	-.001720
Stddev	.0008107	.0125969	.0033035	.0006208	.0000683	.000427	.001172
%RSD	219.3405	42.32010	3.431264	1.112214	.0851120	181.0625	68.15248

#1	.0009429	.0386731	.0939411	.0562520	.0803427	-.000537	-.002549
#2	-.000204	.0208584	.0986130	.0553741	.0802460	.000066	-.000891

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	176.9161	-.000041	-.000179	.0010879	.0121101	.1541207	17.24075
Stddev	.4444	.000100	.000200	.0002772	.0001539	.0184418	.03259
%RSD	.2511870	244.0258	111.4941	25.48239	1.271069	11.96580	.1890520

#1	176.6019	.000030	-.000038	.0012839	.0122189	.1410804	17.26380
#2	177.2304	-.000112	-.000321	.0008919	.0120013	.1671610	17.21770

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001503	44.70629	.7976341	.0071463	44.87304	.0006863	-.000208
Stddev	.0001994	.11183	.0016364	.0002287	.04417	.0016501	.001907
%RSD	132.6540	.2501444	.2051523	3.199985	.0984437	240.4356	916.4767

#1	.0000093	44.62721	.7964770	.0069846	44.90428	.0018531	.001140
#2	.0002913	44.78536	.7987912	.0073080	44.84181	-.000481	-.001557

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

Sample Name: 500-111319-a-27-a Acquired: 5/12/2016 21:44:20 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001678	-.002761	5.327461	-.002252	.2299367	.0033767	-.000487
Stddev	.0017224	.000071	.010969	.000071	.0000463	.0003571	.001528
%RSD	1026.586	2.579288	.2058912	3.152452	.0201483	10.57434	313.6387

#1	-.001050	-.002711	5.335218	-.002302	.2299040	.0036291	-.001568
#2	.001386	-.002812	5.319705	-.002202	.2299695	.0031242	.000593

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0057029	.0060540
Stddev	.0000447	.0002093
%RSD	.7845973	3.457219

#1	.0056713	.0062020
#2	.0057346	.0059060

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1090.836	650.9703	6730.180	3125.510
Stddev	4.928	1.4376	.263	1.759
%RSD	.4517313	.2208377	.0039136	.0562770

#1	1094.321	649.9538	6730.366	3126.753
#2	1087.352	651.9869	6729.993	3124.266

Sample Name: CCV Acquired: 5/12/2016 21:49:38 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4748661	49.56540	.4959489	.4986420	.4972947	.5074936	.4997311
Stddev	.0121319	.14133	.0071148	.0016106	.0012405	.0003298	.0023019
%RSD	2.554812	.2851451	1.434589	.3230059	.2494447	.0649913	.4606272

#1	.4834447	49.46546	.4909180	.4975031	.4964175	.5077268	.4981034
#2	.4662876	49.66533	.5009799	.4997809	.4981718	.5072604	.5013588

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.34451	.4966067	.5176360	.4874943	.5019361	25.73647	47.98886
Stddev	.05582	.0020805	.0003863	.0149735	.0124501	.13818	.35287
%RSD	.2202514	.4189421	.0746363	3.071523	2.480406	.5369134	.7353192

#1	25.30504	.4951356	.5173628	.4980822	.5107396	25.63876	47.73934
#2	25.38398	.4980779	.5179092	.4769064	.4931326	25.83418	48.23837

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.891527	25.58994	5.036929	.4857869	23.66030	.5117199	.4987782
Stddev	.033573	.04302	.000988	.0015604	.16001	.0000744	.0012202
%RSD	.8627098	.1681093	.0196165	.3212167	.6762911	.0145312	.2446316

#1	3.867788	25.55952	5.037628	.4868903	23.54716	.5117725	.4979154
#2	3.915267	25.62036	5.036231	.4846835	23.77345	.5116673	.4996410

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

Sample Name: CCV Acquired: 5/12/2016 21:49:38 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5021339	.4741153	.4907689	.5350717	.4951712	.5104148	.4924770
Stddev	.0042900	.0024850	.0020129	.0019791	.0141069	.0151554	.0014596
%RSD	.8543588	.5241288	.4101412	.3698744	2.848897	2.969234	.2963748

#1	.5051674	.4723581	.4893457	.5364712	.5051463	.5211313	.4914449
#2	.4991004	.4758724	.4921922	.5336723	.4851961	.4996983	.4935090

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	4.775444	.5154890
Stddev	.152160	.0001025
%RSD	3.186304	.0198837

#1	4.883038	.5155614
#2	4.667851	.5154165

Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1136.661	683.1902	7076.929	3152.241
Stddev	1.011	.2507	156.416	2.772
%RSD	.0889030	.0366907	2.210223	.0879430

#1	1135.946	683.0129	6966.326	3154.202
#2	1137.375	683.3674	7187.531	3150.281

Sample Name: CCB Acquired: 5/12/2016 21:53:44 Type: QC

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000154	.0262412	-.001139	.0007822	.0000674	-.000053	.0004132
Stddev	.000254	.0197735	.002292	.0001675	.0000739	.000005	.0014283
%RSD	165.7502	75.35288	201.2859	21.40881	109.5852	9.463924	345.6360

#1	.000026	.0122592	.000482	.0009006	.0001197	-.000056	.0014232
#2	-.000333	.0402231	-.002760	.0006638	.0000152	-.000049	-.000597

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002532	.0001488	-.000077	-.000685	-.000600	.0442358	.0066987
Stddev	.002924	.0000917	.000444	.000970	.000008	.1002037	.0012062
%RSD	115.4636	61.60256	577.4110	141.4936	1.389350	226.5217	18.00643

#1	-.000465	.0002136	.000237	.000000	-.000594	.1150905	.0075517
#2	-.004599	.0000840	-.000391	-.001371	-.000606	-.026619	.0058458

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002548	-.000265	.0000216	.0001767	.0094533	-.000483	-.002103
Stddev	.0001918	.003391	.0001290	.0004027	.0036050	.000099	.000932
%RSD	75.29040	1277.984	596.1983	227.9411	38.13494	20.41134	44.31065

#1	.0003904	.002132	-.000070	.0004614	.0069042	-.000553	-.002762
#2	.0001191	-.002663	.000113	-.000108	.0120025	-.000413	-.001444

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

Sample Name: CCB Acquired: 5/12/2016 21:53:44 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018495	-.002419	.0022274	-.001162	.0000083	.0002028	-.000191
Stddev	.0021911	.001060	.0007780	.001388	.0000063	.0000249	.001123
%RSD	118.4704	43.81768	34.92719	119.4743	75.83470	12.26012	586.7303
#1	.0033988	-.003168	.0016773	-.000180	.0000038	.0001852	-.000986
#2	.0003002	-.001669	.0027776	-.002143	.0000127	.0002204	.000603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	-.000041	-.000184
Stddev	.000061	.000055
%RSD	151.4301	29.89415
#1	-.000084	-.000145
#2	.000003	-.000223
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1301.085	716.4735	7290.246	3204.641
Stddev	2.035	1.5019	11.325	7.041
%RSD	.1564335	.2096186	.1553512	.2197040
#1	1299.646	715.4115	7282.238	3199.662
#2	1302.524	717.5355	7298.254	3209.620

Sample Name: 500-111319-a-28-a Acquired: 5/12/2016 21:58:00 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000057	.0342105	.0312155	.0650106	.0821783	-.000161	-.001045
Stddev	.000524	.0165770	.0002486	.0005476	.0004031	.000200	.000226
%RSD	918.8112	48.45589	.7962666	.8423185	.4905212	123.8657	21.62669

#1	-.000428	.0224888	.0313912	.0653978	.0824634	-.000020	-.001205
#2	.000314	.0459322	.0310397	.0646234	.0818933	-.000303	-.000885

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	110.6633	.0004864	.0000164	.0006021	.0036298	.0553658	2.365036
Stddev	.7459	.0001050	.0002765	.0002321	.0004612	.0663319	.018277
%RSD	.6739923	21.59452	1690.819	38.54216	12.70569	119.8067	.7728108

#1	111.1907	.0004121	-.000179	.0007663	.0039559	.1022696	2.377960
#2	110.1359	.0005606	.000212	.0004381	.0033037	.0084620	2.352112

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017422	42.70543	.0054297	.0004306	16.10136	.0013390	.0005511
Stddev	.0000944	.17613	.0007397	.0001792	.00423	.0003748	.0032406
%RSD	5.417548	.4124244	13.62398	41.61021	.0262467	27.99005	588.0574

#1	.0018089	42.82997	.0049066	.0003039	16.10435	.0010740	-.001740
#2	.0016754	42.58088	.0059527	.0005573	16.09838	.0016040	.002843

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

Sample Name: 500-111319-a-28-a Acquired: 5/12/2016 21:58:00 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000510	-.007828	19.83734	.0034871	.8473937	.0036342	-.001746
Stddev	.002129	.003253	.04784	.0004820	.0001794	.0002113	.001066
%RSD	417.6184	41.55230	.2411397	13.82367	.0211684	5.813813	61.02433

#1	.000995	-.005528	19.80351	.0038279	.8472668	.0037836	-.000993
#2	-.002015	-.010128	19.87116	.0031462	.8475205	.0034848	-.002500

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0041918	.0038314
Stddev	.0003650	.0001837
%RSD	8.708389	4.793774

#1	.0044500	.0039613
#2	.0039337	.0037016

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1144.196	671.1160	6929.650	3178.958
Stddev	1.863	2.4244	14.634	15.207
%RSD	.1628445	.3612458	.2111788	.4783697

#1	1145.513	672.8302	6919.302	3168.205
#2	1142.878	669.4017	6939.998	3189.711

Sample Name: 500-111319-a-29-a Acquired: 5/12/2016 22:02:19 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003698	.0289914	.0126136	.2421818	.0303297	-.000036	-.003131
Stddev	.0005916	.0251364	.0007654	.0004185	.0000341	.000395	.000490
%RSD	159.9888	86.70276	6.068331	.1727873	.1122935	1083.185	15.63714

#1	.0007882	.0467656	.0120723	.2418859	.0303056	.000243	-.002785
#2	-.000049	.0112173	.0131548	.2424777	.0303538	-.000316	-.003477

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	177.2422	.0002828	-.000036	.0013828	.0049486	1.187280	18.92575
Stddev	.4390	.0002147	.000606	.0010710	.0002087	.028845	.02421
%RSD	.2476912	75.92390	1700.161	77.45352	4.217591	2.429544	.1279457

#1	176.9318	.0004347	-.000464	.0006255	.0048011	1.207676	18.90863
#2	177.5527	.0001310	.000393	.0021401	.0050962	1.166883	18.94288

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0066590	58.65147	.5549230	.0021680	23.65088	.0027151	.0004645
Stddev	.0001178	.30190	.0012732	.0005735	.03177	.0017324	.0024178
%RSD	1.768352	.5147380	.2294353	26.45179	.1343138	63.80686	520.4648

#1	.0065757	58.43799	.5540228	.0025735	23.62842	.0039401	.0021742
#2	.0067423	58.86495	.5558233	.0017625	23.67335	.0014901	-.001245

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

Sample Name: 500-111319-a-29-a Acquired: 5/12/2016 22:02:19 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0124710	.0011109	15.88240	-.000241	.3390650	.0034904	-.002899
Stddev	.0029986	.0008317	.02181	.000073	.0017221	.0001591	.000640
%RSD	24.04411	74.87153	.1373002	30.23965	.5078989	4.557717	22.06087

#1	.0103508	.0016990	15.86698	-.000189	.3378473	.0033779	-.003351
#2	.0145913	.0005227	15.89782	-.000292	.3402827	.0036029	-.002447

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0034574	.0065564
Stddev	.0010576	.0003485
%RSD	30.58908	5.315227

#1	.0042053	.0068028
#2	.0027096	.0063099

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1104.031	655.0240	6755.433	3131.968
Stddev	1.396	1.3707	28.827	6.775
%RSD	.1264149	.2092554	.4267250	.2163022

#1	1103.044	654.0548	6775.817	3127.178
#2	1105.018	655.9932	6735.049	3136.758

Sample Name: 500-111319-a-30-a Acquired: 5/12/2016 22:06:30 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000041	.0141797	.0100857	.1620438	.4159992	-.000085	-.003128
Stddev	.000057	.0166327	.0010671	.0001696	.0086754	.000223	.001276
%RSD	139.3923	117.2994	10.58068	.1046525	2.085432	262.2446	40.77950

#1	-.000001	.0259408	.0108403	.1621637	.4221336	-.000243	-.004030
#2	-.000081	.0024186	.0093312	.1619239	.4098648	.000073	-.002226

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	212.9596	.0004388	-.000002	.0009579	.0016820	.2247565	19.52925
Stddev	4.1102	.0001771	.000195	.0003613	.0000114	.0503975	.36058
%RSD	1.930023	40.36511	7953.838	37.71509	.6749687	22.42316	1.846365

#1	215.8660	.0005640	-.000140	.0012134	.0016740	.1891201	19.78422
#2	210.0533	.0003135	.000135	.0007024	.0016900	.2603929	19.27428

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0127250	79.75271	.3491969	.0019134	476.9813	.0023079	-.003380
Stddev	.0007286	1.73520	.0067888	.0006359	8.5195	.0004431	.002260
%RSD	5.725639	2.175729	1.944107	33.23394	1.786119	19.19791	66.87897

#1	.0132402	80.97969	.3539972	.0014637	483.0055	.0026212	-.004978
#2	.0122098	78.52574	.3443965	.0023630	470.9572	.0019946	-.001781

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

Sample Name: 500-111319-a-30-a Acquired: 5/12/2016 22:06:30 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003410	-.005343	18.67254	.0007421	.6270866	.0030584	.0002328
Stddev	.0002789	.000694	.06210	.0004722	.0015160	.0000033	.0012962
%RSD	81.79904	12.98500	.3325615	63.63286	.2417594	.1090282	556.7768

#1	.0005382	-.005834	18.71645	.0004082	.6281586	.0030560	-.000684
#2	.0001438	-.004852	18.62863	.0010760	.6260146	.0030607	.001149

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0012089	.0067313
Stddev	.0000631	.0005202
%RSD	5.222576	7.727717

#1	.0011643	.0070991
#2	.0012536	.0063634

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	978.1799	618.8472	6361.378	3053.081
Stddev	1.0596	2.4811	8.807	43.857
%RSD	.1083286	.4009191	.1384487	1.436469

#1	977.4306	617.0928	6355.150	3022.070
#2	978.9292	620.6015	6367.606	3084.093

Sample Name: mb 500-334822/1-a Acquired: 5/12/2016 22:14:58 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002615	.0195558	.0023849	.0086484	.0001598	-.000330	-.000499
Stddev	.0000293	.0033118	.0017478	.0006544	.0001138	.000122	.002222
%RSD	11.21206	16.93509	73.28650	7.566277	71.20041	36.96980	444.8863

#1	.0002822	.0218976	.0036208	.0091112	.0000794	-.000243	-.002071
#2	.0002408	.0172140	.0011490	.0081857	.0002403	-.000416	.001072

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0633194	-.000040	-.000087	-.000286	-.000140	.0070979	.0352802
Stddev	.0015247	.000100	.000154	.000472	.000238	.0476725	.0059729
%RSD	2.407977	252.4545	177.9796	164.8889	170.5960	671.6394	16.93002

#1	.0622412	-.000110	-.000196	.000048	.000029	-.026612	.0395037
#2	.0643975	.000031	.000022	-.000620	-.000308	.040807	.0310567

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001227	.0061494	.0004562	.0003031	.0537986	-.000245	.0001853
Stddev	.0002295	.0013418	.0002448	.0000703	.0008454	.001285	.0021404
%RSD	187.0117	21.81904	53.66408	23.18234	1.571467	524.2532	1155.361

#1	-.000040	.0070982	.0002831	.0003527	.0543964	-.001154	-.001328
#2	.000285	.0052007	.0006293	.0002534	.0532008	.000664	.001699

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

Sample Name: mb 500-334822/1-a Acquired: 5/12/2016 22:14:58 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011767	-.001419	-.002105	-.001316	.0001235	.0001537	-.000111
Stddev	.0005273	.001058	.001238	.000283	.0000047	.0000897	.000060
%RSD	44.81500	74.52437	58.78904	21.48428	3.771300	58.35706	54.06137

#1	.0015495	-.000671	-.002980	-.001516	.0001202	.0002172	-.000154
#2	.0008038	-.002167	-.001230	-.001116	.0001268	.0000903	-.000069

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	-.000395	.0019466
Stddev	.000047	.0000106
%RSD	11.94824	.5461797

#1	-.000361	.0019541
#2	-.000428	.0019391

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1309.178	722.0576	7441.931	3265.576
Stddev	1.768	.7863	147.302	5.708
%RSD	.1350104	.1088945	1.979354	.1747839

#1	1310.427	721.5016	7546.089	3269.612
#2	1307.928	722.6136	7337.772	3261.540

Sample Name: lcs 500-334822/2-a Acquired: 5/12/2016 22:19:15 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0498588	2.014668	.0960117	.9829916	1.983811	.0503559	.4947208
Stddev	.0007874	.013486	.0012189	.0044560	.004013	.0006450	.0035416
%RSD	1.579207	.6694067	1.269516	.4533085	.2022960	1.280834	.7158738

#1	.0493021	2.005131	.0968736	.9798407	1.986648	.0508120	.4922166
#2	.0504156	2.024204	.0951498	.9861425	1.980973	.0498998	.4972251

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.13398	.0503804	.5027345	.1993237	.2594035	1.039348	9.663737
Stddev	.00855	.0001766	.0019645	.0005889	.0018317	.028130	.052893
%RSD	.0843788	.3505699	.3907557	.2954416	.7061344	2.706525	.5473348

#1	10.12794	.0502555	.5013454	.1997401	.2581082	1.059239	9.701138
#2	10.14003	.0505053	.5041236	.1989073	.2606987	1.019457	9.626336

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4876367	10.00492	.5086891	.9704030	9.508332	.4980056	.0985058
Stddev	.0037387	.05668	.0018073	.0014814	.051987	.0034732	.0021725
%RSD	.7667046	.5665040	.3552766	.1526532	.5467498	.6974147	2.205426

#1	.4902804	9.96484	.5099671	.9693555	9.545093	.4955497	.0969696
#2	.4849930	10.04500	.5074112	.9714505	9.471572	.5004615	.1000420

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

Sample Name: lcs 500-334822/2-a Acquired: 5/12/2016 22:19:15 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4886761	.0928881	4.565851	1.022088	1.020862	1.051276	.0977364
Stddev	.0065346	.0012870	.016084	.000453	.006911	.000575	.0000259
%RSD	1.337197	1.385517	.3522761	.0443522	.6769937	.0546804	.0264664

#1	.4840555	.0919781	4.554477	1.022409	1.015975	1.051682	.0977181
#2	.4932967	.0937982	4.577224	1.021768	1.025749	1.050869	.0977546

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.4901413	.4881831
Stddev	.0011529	.0013411
%RSD	.2352134	.2747171

#1	.4893261	.4872348
#2	.4909565	.4891314

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1238.723	702.3088	7192.243	3226.171
Stddev	3.996	1.2362	21.326	2.480
%RSD	.3225646	.1760190	.2965088	.0768559

#1	1241.548	703.1829	7207.322	3224.418
#2	1235.897	701.4347	7177.163	3227.925

Sample Name: 500-111320-a-16-a Acquired: 5/12/2016 22:23:29 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000767	4.399215	5.005554	.0773181	.1747940	-.000024
Stddev	.000761	.029422	.062796	.0013238	.0005460	.000193
%RSD	99.25257	.6688007	1.254524	1.712169	.3123840	790.4976

#1	-.000229	4.378410	4.961150	.0763820	.1744079	-.000161
#2	-.001305	4.420019	5.049957	.0782542	.1751801	.000112

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002585	158.4161	-.001736	.0056257	.0010951	.0072308
Stddev	.002809	.4629	.000316	.0000584	.0000221	.0000067
%RSD	108.6410	.2922223	18.22252	1.038601	2.014472	.0928819

#1	-.000599	158.0887	-.001960	.0055844	.0011107	.0072261
#2	-.004571	158.7434	-.001512	.0056670	.0010795	.0072356

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4266508	538.5849	.0044947	.6681119	.0037088	.0083441
Stddev	.0051635	2.5509	.0002539	.0093464	.0004320	.0004800
%RSD	1.210236	.4736321	5.647868	1.398933	11.64823	5.752390

#1	.4303019	536.7811	.0046743	.6615029	.0040143	.0080047
#2	.4229997	540.3887	.0043152	.6747208	.0034033	.0086835

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

Sample Name: 500-111320-a-16-a Acquired: 5/12/2016 22:23:29 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	618.5113	.0721329	-.000568	.0020500	-.000679	5.849648
Stddev	1.3000	.0014220	.002971	.0029250	.001091	.108695
%RSD	.2101896	1.971392	523.0099	142.6845	160.5560	1.858138

#1	617.5920	.0711274	.001533	.0041183	.000092	5.772789
#2	619.4306	.0731384	-.002669	-.000018	-.001450	5.926506

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002968	F 2.708688	.0043856	-.003372	.0180522	.0102520
Stddev	.0002773	.002238	.0000283	.000461	.0000926	.0004652
%RSD	93.40537	.0826215	.6461110	13.68546	.5129905	4.538011

#1	.0001008	2.710271	.0043655	-.003698	.0181177	.0105810
#2	.0004929	2.707105	.0044056	-.003045	.0179867	.0099230

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.000000				
Low Limit		-.005000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	945.9670	618.1687	6188.380	3026.321
Stddev	11.7121	6.5881	5.903	9.105
%RSD	1.238108	1.065737	.0953855	.3008668

#1	954.2487	622.8272	6192.554	3032.760
#2	937.6853	613.5103	6184.206	3019.883

Sample Name: 111320-a-16-a SD@5 Acquired: 5/12/2016 22:29:01 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000055	.8490366	.9622116	.0177123	.0348063	-.000174	.0011514
Stddev	.000238	.0293565	.0062380	.0009335	.0013837	.000420	.0011088
%RSD	432.3709	3.457621	.6483017	5.270544	3.975357	241.0650	96.29714

#1	-.000223	.8697948	.9578006	.0183724	.0357847	-.000471	.0019354
#2	.000113	.8282785	.9666225	.0170522	.0338279	.000123	.0003674

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	32.06985	-.000188	.0013584	.0002159	.0017091	.1535569	107.2817
Stddev	1.63201	.000234	.0000000	.0005593	.0000538	.0298225	3.8182
%RSD	5.088923	123.8957	.0009357	259.1200	3.148002	19.42113	3.559072

#1	33.22385	-.000023	.0013584	-.000180	.0017471	.1324692	109.9816
#2	30.91584	-.000354	.0013584	.000611	.0016710	.1746445	104.5818

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007950	.1404261	.0009855	.0023004	123.2238	.0133119	-.000793
Stddev	.0000668	.0133223	.0000085	.0000533	4.5925	.0003252	.002310
%RSD	8.405117	9.487023	.8570764	2.315288	3.726957	2.443164	291.2404

#1	.0008422	.1498463	.0009795	.0023381	126.4712	.0135419	-.002427
#2	.0007477	.1310058	.0009914	.0022627	119.9764	.0130819	.000840

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

Sample Name: 111320-a-16-a SD@5 Acquired: 5/12/2016 22:29:01 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001194	-0.002388	1.140535	-0.002266	.5813273	.0031366	-.001607
Stddev	.000869	.000759	.000546	.000788	.0039468	.0000148	.001811
%RSD	72.79425	31.77358	.0478565	34.78630	.6789360	.4719172	112.6380

#1	-0.000579	-0.002925	1.140149	-0.002823	.5841182	.0031261	-.002888
#2	-0.001809	-0.001852	1.140921	-0.001708	.5785365	.0031470	-.000327

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0038198	.0022284
Stddev	.0002158	.0005817
%RSD	5.649739	26.10575

#1	.0036672	.0026397
#2	.0039724	.0018170

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1107.503	673.3976	6762.054	3148.355
Stddev	3.210	3.0401	44.081	108.391
%RSD	.2898514	.4514635	.6518905	3.442787

#1	1105.233	671.2479	6730.884	3071.711
#2	1109.773	675.5473	6793.224	3224.999

Sample Name: 500-111320-a-16-b du Acquired: 5/12/2016 22:33:18 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000817	4.235378	4.788795	.0746344	.1688011	-.000324
Stddev	.001043	.031639	.016271	.0002409	.0007559	.000338
%RSD	127.6326	.7470090	.3397771	.3227531	.4477992	104.3379

#1	-.000080	4.213006	4.800300	.0748047	.1682666	-.000563
#2	-.001554	4.257750	4.777289	.0744640	.1693356	-.000085

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000528	153.2503	F -.002101	.0059397	.0007650	.0063315
Stddev	.002831	.1953	.000129	.0000187	.0000135	.0004383
%RSD	536.6300	.1274633	6.120607	.3142757	1.767059	6.923140

#1	.001474	153.3884	-.002010	.0059529	.0007746	.0066414
#2	-.002530	153.1121	-.002192	.0059265	.0007555	.0060215

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			10.00000			
Low Limit			-.002000			

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4333865	521.8483	.0040957	.6707240	.0036113	.0085801
Stddev	.0635080	5.7169	.0000829	.0000675	.0000735	.0004415
%RSD	14.65390	1.095506	2.023599	.0100690	2.036750	5.145452

#1	.4782935	517.8058	.0040371	.6707718	.0036633	.0082679
#2	.3884795	525.8907	.0041543	.6706763	.0035593	.0088922

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

Sample Name: 500-111320-a-16-b du Acquired: 5/12/2016 22:33:18 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	590.0064	.0699394	-.000953	.0028567	-.003260	5.635557
Stddev	8.7553	.0010055	.000250	.0024530	.002753	.004712
%RSD	1.483929	1.437712	26.21624	85.86978	84.42804	.0836043

#1	596.1973	.0692284	-.000777	.0011221	-.001314	5.638889
#2	583.8155	.0706504	-.001130	.0045912	-.005207	5.632226

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000743	F 2.630198	.0039031	-.003196	.0176759	.0069431
Stddev	.000952	.009745	.0001422	.000075	.0000252	.0003344
%RSD	128.1723	.3705186	3.643359	2.356285	.1428066	4.815550

#1	-.001417	2.623307	.0040037	-.003250	.0176937	.0071795
#2	-.000070	2.637089	.0038025	-.003143	.0176580	.0067066

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.000000				
Low Limit		-.005000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	950.3426	619.2550	6214.127	3027.693
Stddev	4.2456	2.3524	13.157	3.285
%RSD	.4467476	.3798785	.2117324	.1084901

#1	947.3405	617.5915	6223.431	3025.370
#2	953.3447	620.9184	6204.823	3030.016

Sample Name: 500-111320-a-16-c ms Acquired: 5/12/2016 22:38:51 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0558387	6.533177	5.112003	1.047873	2.182626	.0532076
Stddev	.0008651	.028366	.002802	.000146	.006677	.0001046
%RSD	1.549207	.4341789	.0548090	.0139516	.3059342	.1965859

#1	.0552270	6.513120	5.110022	1.047769	2.177904	.0531337
#2	.0564504	6.553235	5.113984	1.047976	2.187348	.0532816

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5828781	170.1764	.0521049	.5605659	.2032072	.2926171
Stddev	.0022257	.0539	.0000227	.0007916	.0003362	.0003796
%RSD	.3818467	.0316922	.0434695	.1412220	.1654412	.1297252

#1	.5844519	170.1382	.0521209	.5600062	.2034449	.2928856
#2	.5813043	170.2145	.0520888	.5611257	.2029694	.2923487

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.465882	552.3756	.5048767	10.85751	.5152713	.9862128
Stddev	.062211	4.9359	.0024234	.01533	.0021297	.0001612
%RSD	4.243905	.8935834	.4800054	.1411827	.4133197	.0163452

#1	1.421892	548.8853	.5031630	10.84667	.5167772	.9860988
#2	1.509871	555.8658	.5065903	10.86835	.5137654	.9863268

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

Sample Name: 500-111320-a-16-c ms Acquired: 5/12/2016 22:38:51 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	629.9348	.6131431	.1032572	.5445894	.1018737	10.66006
Stddev	10.4382	.0000380	.0026531	.0031676	.0008308	.01511
%RSD	1.657033	.0061955	2.569442	.5816421	.8155091	.1417349

#1	622.5539	.6131162	.1051333	.5423496	.1024611	10.64938
#2	637.3157	.6131700	.1013812	.5468292	.1012862	10.67075

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.147169	F 3.617710	1.099755	.0924033	.5198545	.5567619
Stddev	.006292	.011777	.002250	.0013424	.0015047	.0024074
%RSD	.5484852	.3255298	.2046320	1.452759	.2894485	.4323960

#1	1.142719	3.609383	1.101347	.0933525	.5187905	.5550596
#2	1.151618	3.626037	1.098164	.0914541	.5209185	.5584642

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.000000				
Low Limit		-.005000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	935.1222	614.2571	6191.898	3004.682
Stddev	1.1647	.4870	6.811	7.811
%RSD	.1245458	.0792787	.1100066	.2599572

#1	935.9457	613.9127	6187.081	3010.205
#2	934.2987	614.6014	6196.714	2999.159

Sample Name: 500-111320-a-17-a Acquired: 5/12/2016 22:45:21 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000339	.1182593	2.650525	.2006781	.4246343	-.000127
Stddev	.000078	.0046556	.011572	.0006399	.0000152	.000339
%RSD	23.04667	3.936817	.4366118	.3188564	.0035778	266.6689

#1	-.000394	.1149673	2.658707	.2011306	.4246451	.000113
#2	-.000284	.1215513	2.642342	.2002257	.4246236	-.000367

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020117	362.8445	F -.002619	.0006234	.0020560	.0026572
Stddev	.0015854	1.0700	.000004	.0001152	.0003662	.0000801
%RSD	78.81133	.2948924	.1641472	18.47541	17.80954	3.015351

#1	.0031328	363.6011	-.002615	.0005420	.0017971	.0026006
#2	.0008906	362.0879	-.002622	.0007048	.0023150	.0027139

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			10.00000			
Low Limit			-.002000			

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	33.00208	23.99644	.0073123	106.5098	2.490449	.0051216
Stddev	.01408	.04243	.0000396	.1171	.002252	.0004193
%RSD	.0426626	.1768000	.5414827	.1099208	.0904294	8.187625

#1	33.01204	23.96644	.0072843	106.5926	2.492041	.0054181
#2	32.99213	24.02644	.0073403	106.4271	2.488856	.0048251

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

Sample Name: 500-111320-a-17-a Acquired: 5/12/2016 22:45:21 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 1034.390	.0033211	-.000276	.0012172	.0041084	22.03946
Stddev	4.691	.0005754	.001433	.0032203	.0033265	.09722
%RSD	.4535047	17.32485	518.3198	264.5638	80.96897	.4411133

#1	1031.073	.0037279	.000737	-.001060	.0017562	22.10821
#2	1037.707	.0029142	-.001290	.003494	.0064606	21.97072

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1000.000					
Low Limit	-1.00000					

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000423	.7543734	.0053859	-.000479	.0054301	.0066080
Stddev	.003156	.0003291	.0004560	.001922	.0001705	.0009972
%RSD	746.1468	.0436218	8.466247	400.9137	3.139523	15.09023

#1	.001808	.7546061	.0057083	.000880	.0053095	.0059029
#2	-.002654	.7541407	.0050635	-.001838	.0055506	.0073132

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	897.6379	591.3534	5999.382	2935.245
Stddev	1.8407	.6888	10.972	15.403
%RSD	.2050566	.1164832	.1828826	.5247462

#1	896.3363	590.8663	5991.624	2924.354
#2	898.9394	591.8404	6007.141	2946.137

Sample Name: CCV Acquired: 5/12/2016 22:51:46 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4866052	49.25644	.4794816	.4972685	.4958255	.5057056	.4911934
Stddev	.0016770	.21408	.0000674	.0037667	.0013035	.0043078	.0010938
%RSD	.3446395	.4346257	.0140637	.7574764	.2628955	.8518309	.2226789

#1	.4877911	49.40782	.4795293	.4999319	.4967472	.5087517	.4919668
#2	.4854194	49.10506	.4794340	.4946050	.4949038	.5026596	.4904200

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.27165	.4920299	.5132621	.4964821	.5178909	25.64602	47.42457
Stddev	.14544	.0017867	.0000819	.0005351	.0024372	.16751	.02148
%RSD	.5755140	.3631198	.0159547	.1077730	.4705962	.6531532	.0452860

#1	25.37449	.4932933	.5133200	.4961038	.5161675	25.76446	47.43976
#2	25.16880	.4907666	.5132041	.4968605	.5196142	25.52757	47.40939

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.853131	25.63729	5.052540	.4750683	23.12760	.5057384	.4905223
Stddev	.005463	.03218	.021869	.0012065	.02934	.0005794	.0011795
%RSD	.1417828	.1255154	.4328245	.2539717	.1268524	.1145722	.2404688

#1	3.856994	25.66005	5.068003	.4759214	23.10685	.5053287	.4896883
#2	3.849268	25.61454	5.037076	.4742151	23.14834	.5061481	.4913564

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

Sample Name: CCV Acquired: 5/12/2016 22:51:46 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5011240	.4787525	.4829733	.5385550	.5061751	.5270786	.4810142
Stddev	.0036603	.0050787	.0013171	.0020777	.0003709	.0003073	.0021955
%RSD	.7304139	1.060818	.2727051	.3857886	.0732811	.0582953	.4564350

#1	.5037122	.4751613	.4839046	.5400241	.5064374	.5272959	.4825667
#2	.4985358	.4823437	.4820419	.5370858	.5059128	.5268614	.4794617

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	4.778233	.5019771
Stddev	.012164	.0016591
%RSD	.2545811	.3305052

#1	4.786835	.5031502
#2	4.769632	.5008039

Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1152.850	692.5434	7011.896	3153.576
Stddev	3.246	3.4858	21.171	2.809
%RSD	.2815474	.5033295	.3019320	.0890753

#1	1150.555	690.0786	6996.926	3151.590
#2	1155.145	695.0083	7026.866	3155.563

Sample Name: CCB Acquired: 5/12/2016 22:55:52 Type: QC

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001853	-.001601	.0029959	.0006823	.0001179	-.000275	-.000967
Stddev	.0003781	.009674	.0026350	.0000907	.0000408	.000004	.002486
%RSD	203.9908	604.2566	87.95439	13.29529	34.57391	1.417844	257.0073

#1	.0004527	.005240	.0011327	.0007464	.0000891	-.000272	.000791
#2	-.000082	-.008442	.0048592	.0006181	.0001467	-.000277	-.002725

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003415	.0000378	-.000045	-.000820	-.000865	.0551122	.1247162
Stddev	.000623	.0000119	.000424	.000369	.000213	.0068399	.0031143
%RSD	18.22940	31.57507	938.9475	45.00852	24.60507	12.41091	2.497096

#1	-.002975	.0000294	-.000345	-.001082	-.000715	.0599488	.1225141
#2	-.003855	.0000462	.000254	-.000559	-.001016	.0502756	.1269183

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004676	-.024526	.0004881	.0001018	.0296681	-.000047	.0003426
Stddev	.0002999	.011615	.0002078	.0005656	.0041067	.000046	.0008976
%RSD	64.13722	47.35697	42.57477	555.4473	13.84229	97.50974	261.9998

#1	.0002555	-.016313	.0003412	.0005018	.0325720	-.000015	-.000292
#2	.0006797	-.032739	.0006351	-.000298	.0267642	-.000080	.000977

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

Sample Name: CCB Acquired: 5/12/2016 22:55:52 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0029435	-.007397	-.000789	-.000931	.0000031	.0002167	-.000413
Stddev	.0001801	.004606	.000656	.000034	.0000023	.0001723	.001560
%RSD	6.117723	62.26472	83.14564	3.600480	72.84443	79.50511	378.2296
#1	.0028162	-.010654	-.000325	-.000908	.0000015	.0003385	.000691
#2	.0030709	-.004140	-.001253	-.000955	.0000048	.0000949	-.001516
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	-.000511	-.000205
Stddev	.000040	.000154
%RSD	7.733021	74.99801
#1	-.000483	-.000097
#2	-.000539	-.000314
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1312.144	721.9031	7344.813	3215.806
Stddev	4.021	2.3288	7.024	3.933
%RSD	.3064202	.3225986	.0956309	.1222956
#1	1309.301	720.2563	7349.779	3213.026
#2	1314.987	723.5498	7339.846	3218.587

Sample Name: 500-111320-a-18-a Acquired: 5/12/2016 23:00:08 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001076	.7038846	F 40.74010	.0025614	1.044092	.0000964
Stddev	.000611	.0109726	.12237	.0001007	.000651	.0001557
%RSD	56.74240	1.558867	.3003724	3.929911	.0623504	161.4293

#1	-.001508	.7116434	40.82663	.0026325	1.044552	.0002065
#2	-.000645	.6961258	40.65357	.0024902	1.043631	-.000014

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			20.00000			
Low Limit			-.010000			

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000489	F 1166.249	F -.030160	-.001691	.0017058	.0044326
Stddev	.002819	6.161	.000048	.001121	.0008748	.0004410
%RSD	576.6195	.5283059	.1607545	66.26511	51.28467	9.949425

#1	-.002482	1170.606	-.030125	-.002484	.0023244	.0041207
#2	.001504	1161.892	-.030194	-.000899	.0010872	.0047444

Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		600.0000	10.00000			
Low Limit		-.200000	-.002000			

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3424947	161.0152	.0063488	.1663218	.0039046	.3249334
Stddev	.0658390	.3548	.0001041	.0250175	.0000963	.0009345
%RSD	19.22336	.2203393	1.639633	15.04162	2.467564	.2876112

#1	.2959395	161.2661	.0064224	.1486318	.0039727	.3255942
#2	.3890499	160.7644	.0062752	.1840118	.0038364	.3242725

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

Sample Name: 500-111320-a-18-a Acquired: 5/12/2016 23:00:08 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 1765.925	.0794810	-.001341	.0060951	-.000634	3.062661
Stddev	16.016	.0018099	.003875	.0012384	.000125	.004889
%RSD	.9069262	2.277201	288.9713	20.31810	19.71474	.1596454

#1	1777.249	.0807608	-.004081	.0069708	-.000722	3.059203
#2	1754.600	.0782012	.001399	.0052194	-.000545	3.066118

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1000.000					
Low Limit	-1.00000					

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003425	F 5.141632	-.003110	-.001516	.0272348	.0019336
Stddev	.000969	.007741	.000026	.000234	.0001171	.0003907
%RSD	28.29666	.1505613	.8305353	15.46191	.4301081	20.20630

#1	-.004111	5.136158	-.003129	-.001350	.0273176	.0016573
#2	-.002740	5.147106	-.003092	-.001681	.0271520	.0022099

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.000000				
Low Limit		-.005000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	801.1431	551.3802	5599.698	2807.088
Stddev	.8627	.5666	1.346	.124
%RSD	.1076860	.1027670	.0240360	.0044138

#1	800.5330	551.7808	5598.746	2807.175
#2	801.7531	550.9795	5600.650	2807.000

Sample Name: 500-111320-a-19-a Acquired: 5/12/2016 23:05:40 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000757	.4084948	.4471206	.1471157	.4278648	-.000232
Stddev	.001532	.0023048	.0075230	.0009747	.0000320	.000265
%RSD	202.4874	.5642087	1.682535	.6625152	.0074747	114.2398

#1	.000327	.4068651	.4524401	.1478049	.4278874	-.000045
#2	-.001840	.4101245	.4418011	.1464265	.4278422	-.000420

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017259	192.4143	-.000268	-.000319	.0054621	.0116132
Stddev	.0033973	1.0948	.000112	.000149	.0006461	.0000403
%RSD	196.8404	.5689694	41.88312	46.75741	11.82870	.3467124

#1	-.000676	193.1884	-.000189	-.000425	.0059189	.0116417
#2	.004128	191.6402	-.000347	-.000214	.0050052	.0115848

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.18538	24.60054	.0062828	61.30207	1.168345	.0243483
Stddev	.07483	.01057	.0001387	.26815	.000269	.0000603
%RSD	.3227413	.0429704	2.208115	.4374268	.0230127	.2476868

#1	23.23829	24.60801	.0063809	61.49168	1.168155	.0243057
#2	23.13246	24.59306	.0061847	61.11245	1.168535	.0243910

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

Sample Name: 500-111320-a-19-a Acquired: 5/12/2016 23:05:40 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 1121.082	.0033141	-.000506	-.001428	.0034695	14.73343
Stddev	4.256	.0007383	.001903	.002060	.0041788	.10485
%RSD	.3796452	22.27887	376.1245	144.2869	120.4414	.7116267

#1	1124.091	.0027920	-.001852	.000029	.0064244	14.80757
#2	1118.072	.0038362	.000840	-.002885	.0005147	14.65929

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1000.000					
Low Limit	-1.00000					

Elem	Sn1899	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006947	.9294607	.0376370	-.002346	.0173819	.0037620
Stddev	.0010317	.0019706	.0003688	.001344	.0003465	.0007055
%RSD	148.5222	.2120140	.9797789	57.28059	1.993383	18.75426

#1	.0014242	.9308541	.0378977	-.003297	.0176268	.0042609
#2	-.000035	.9280673	.0373762	-.001396	.0171368	.0032631

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	910.4838	608.0768	6096.710	2966.299
Stddev	2.8123	4.3248	11.907	4.281
%RSD	.3088796	.7112181	.1953057	.1443125

#1	908.4952	605.0187	6088.290	2963.272
#2	912.4724	611.1348	6105.129	2969.326

Sample Name: 500-111320-a-20-a Acquired: 5/12/2016 23:11:03 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000663	1.248634	F 23.99138	.0089554	.8422262	-.000055
Stddev	.001066	.020796	.06265	.0003803	.0003459	.000372
%RSD	160.6355	1.665530	.2611236	4.246276	.0410657	677.8287

#1	-.001417	1.233928	23.94709	.0092243	.8419817	-.000318
#2	.000090	1.263339	24.03568	.0086865	.8424708	.000208

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			20.00000			
Low Limit			-.010000			

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024173	F 803.2227	F -.021463	.0025118	.0012822	.0053255
Stddev	.0038185	2.0515	.000311	.0014728	.0003634	.0004317
%RSD	157.9639	.2554141	1.448083	58.63672	28.33886	8.106611

#1	-.000283	801.7721	-.021682	.0014703	.0010252	.0050203
#2	.005117	804.6734	-.021243	.0035532	.0015391	.0056308

Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		600.0000	10.00000			
Low Limit		-.200000	-.002000			

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5805584	110.6740	.0082173	.1092863	.0010187	.0932946
Stddev	.0705353	.1906	.0004907	.0293425	.0006005	.0005974
%RSD	12.14957	.1721860	5.971359	26.84918	58.94339	.6403067

#1	.6304344	110.8088	.0078704	.0885380	.0014433	.0928722
#2	.5306823	110.5393	.0085643	.1300346	.0005941	.0937170

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

Sample Name: 500-111320-a-20-a Acquired: 5/12/2016 23:11:03 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	646.9842	.1101161	.0004812	-.000111	.0022728	4.818099
Stddev	3.1833	.0007351	.0006373	.000054	.0062641	.004391
%RSD	.4920277	.6675585	132.4359	48.33403	275.6165	.0911422

#1	644.7332	.1095963	.0000306	-.000149	-.002157	4.814994
#2	649.2351	.1106359	.0009318	-.000073	.006702	4.821204

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002045	F 6.112803	-.000965	.0010809	.0360343	.0073864
Stddev	.0044310	.026726	.000010	.0020030	.0003810	.0004943
%RSD	2167.192	.4372086	1.081633	185.3135	1.057376	6.692332

#1	.0033376	6.131701	-.000973	-.000335	.0363037	.0070369
#2	-.002929	6.093905	-.000958	.002497	.0357649	.0077360

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.000000				
Low Limit		-.005000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	902.6248	591.6262	6058.567	2926.044
Stddev	5.1399	1.5394	15.063	7.545
%RSD	.5694416	.2602036	.2486247	.2578540

#1	906.2593	592.7147	6047.915	2931.379
#2	898.9904	590.5376	6069.218	2920.709

Sample Name: 500-111320-a-21-a Acquired: 5/12/2016 23:16:35 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000390	1.075990	.5443986	.3467281	.3360691	-.000417	-.000296
Stddev	.0000661	.012409	.0055211	.0003571	.0009162	.000060	.001789
%RSD	169.5875	1.153230	1.014170	.1029872	.2726149	14.43936	604.8826

#1	-.000008	1.084765	.5483026	.3469806	.3367170	-.000375	-.001560
#2	.000086	1.067216	.5404945	.3464756	.3354213	-.000460	.000969

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	240.1125	-.000557	-.000673	.0011558	.0017561	.3040132	112.7817
Stddev	1.6092	.000293	.000277	.0003711	.0001674	.0398514	.5400
%RSD	.6701687	52.70219	41.18209	32.11170	9.529766	13.10846	.4788172

#1	241.2503	-.000349	-.000477	.0008934	.0018745	.3321924	113.1636
#2	238.9746	-.000764	-.000869	.0014182	.0016378	.2758339	112.3999

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0248478	.0741066	.0015187	.0675162	274.9294	.0037118	-.001874
Stddev	.0000788	.0083217	.0001332	.0000546	1.7722	.0003769	.003821
%RSD	.3172610	11.22936	8.771998	.0808173	.6445871	10.15553	203.8633

#1	.0249035	.0799909	.0016129	.0674776	276.1825	.0034452	.000827
#2	.0247921	.0682223	.0014245	.0675548	273.6762	.0039783	-.004576

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

Sample Name: 500-111320-a-21-a Acquired: 5/12/2016 23:16:35 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1296225	-.004310	9.576657	-.000820	1.810921	.0027660	-.002507
Stddev	.0017099	.005663	.005416	.001876	.007064	.0001799	.002955
%RSD	1.319160	131.3989	.0565574	228.6389	.3900809	6.504647	117.8568

#1	.1308316	-.000305	9.572827	.000506	1.815916	.0028933	-.004596
#2	.1284134	-.008315	9.580486	-.002147	1.805926	.0026388	-.000418

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0465268	.0175753
Stddev	.0002152	.0001026
%RSD	.4624330	.5837604

#1	.0463747	.0176478
#2	.0466789	.0175027

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1023.039	640.6842	6530.629	3059.719
Stddev	.528	.7175	4.887	14.027
%RSD	.0516522	.1119926	.0748297	.4584324

#1	1022.665	640.1768	6527.173	3049.800
#2	1023.412	641.1915	6534.084	3069.637

Sample Name: 500-111320-a-22-a Acquired: 5/12/2016 23:21:59 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000371	.0328111	.0033311	.0090812	.0003054	-.000385	-.003152
Stddev	.0004897	.0059549	.0002430	.0005437	.0001077	.000215	.000434
%RSD	1318.418	18.14906	7.295425	5.987562	35.27572	55.89207	13.78134

#1	.0003834	.0370219	.0035030	.0094657	.0003816	-.000538	-.003459
#2	-.000309	.0286004	.0031593	.0086967	.0002292	-.000233	-.002845

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0597247	.0008400	-.000285	-.000475	-.000411	.0793497	.1530827
Stddev	.0003682	.0001970	.000032	.000741	.000037	.0404258	.0107744
%RSD	.6165540	23.44855	11.37403	155.8806	9.021496	50.94635	7.038291

#1	.0599851	.0007007	-.000262	-.000999	-.000437	.1079350	.1607013
#2	.0594643	.0009792	-.000308	.000049	-.000385	.0507643	.1454640

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000058	-.008837	.0003470	.0002445	.1133962	-.000922	-.000983
Stddev	.000125	.025114	.0002288	.0002473	.0037503	.000721	.000155
%RSD	215.3877	284.1984	65.93095	101.1398	3.307267	78.20403	15.72874

#1	-.000147	-.026595	.0001852	.0004193	.1107443	-.001432	-.000874
#2	.000030	.008922	.0005088	.0000696	.1160481	-.000412	-.001092

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

Sample Name: 500-111320-a-22-a Acquired: 5/12/2016 23:21:59 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.000154	-0.002182	-0.000966	-0.000116	.0001386	.0001035	-0.000032
Stddev	.002314	.003383	.000477	.000132	.0000031	.0000228	.002252
%RSD	1504.425	155.0461	49.41822	113.3093	2.255538	22.04471	6977.134

#1	-0.001790	.000210	-0.000628	-0.000210	.0001408	.0001196	-0.001625
#2	.001482	-0.004574	-0.001303	-0.000023	.0001363	.0000873	.001560

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	-0.000134	.0024092
Stddev	.000031	.0001053
%RSD	23.36938	4.369500

#1	-0.000112	.0023348
#2	-0.000156	.0024836

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1318.734	728.1037	7442.766	3248.714
Stddev	.336	1.3497	33.712	10.716
%RSD	.0254525	.1853784	.4529448	.3298459

#1	1318.497	729.0582	7418.929	3241.136
#2	1318.972	727.1493	7466.604	3256.291

Sample Name: 500-111320-a-23-a Acquired: 5/12/2016 23:26:16 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000123	.0246380	.2003940	.1520821	.1205206	-.000104	-.000854
Stddev	.000351	.0155868	.0025254	.0000331	.0004294	.000172	.000356
%RSD	285.2989	63.26342	1.260243	.0217658	.3562631	165.1494	41.63818

#1	.000125	.0356595	.2021797	.1520587	.1208242	-.000225	-.001106
#2	-.000372	.0136164	.1986082	.1521055	.1202169	.000017	-.000603

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	156.6349	-.000073	.0006779	.0005416	.0013894	.9661441	6.152745
Stddev	.4362	.000173	.0002938	.0007185	.0001879	.0787425	.009079
%RSD	.2784865	236.0897	43.33388	132.6499	13.52368	8.150183	.1475643

#1	156.9434	.000049	.0008856	.0000336	.0012565	.9104647	6.146325
#2	156.3265	-.000195	.0004702	.0010496	.0015222	1.021823	6.159165

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0029708	134.1262	.5455776	.0063297	115.4390	.0026303	.0002018
Stddev	.0000605	.2884	.0023396	.0000289	.5231	.0005001	.0018228
%RSD	2.036221	.2150360	.4288378	.4565078	.4531079	19.01368	903.0601

#1	.0030136	134.3301	.5472320	.0063501	115.8088	.0022766	-.001087
#2	.0029280	133.9222	.5439232	.0063093	115.0691	.0029839	.001491

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

Sample Name: 500-111320-a-23-a Acquired: 5/12/2016 23:26:16 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001324	-.004974	25.31581	-.001114	1.355589	.0038174	-.000138
Stddev	.0014145	.004470	.02477	.001502	.002639	.0001211	.003111
%RSD	1068.030	89.86634	.0978431	134.8502	.1946812	3.173157	2260.601

#1	.0011327	-.008134	25.33332	-.002175	1.353723	.0037317	.002062
#2	-.000868	-.001813	25.29829	-.000052	1.357455	.0039030	-.002338

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0021965	.0029550
Stddev	.0000593	.0003066
%RSD	2.701173	10.37630

#1	.0022384	.0031718
#2	.0021545	.0027382

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1057.685	646.2181	6627.156	3084.699
Stddev	.595	1.2739	21.582	4.242
%RSD	.0562815	.1971261	.3256566	.1375316

#1	1057.264	647.1189	6642.417	3081.699
#2	1058.106	645.3174	6611.895	3087.699

Sample Name: 500-111320-a-24-a Acquired: 5/12/2016 23:30:33 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000249	.0358171	.0007557	.0091281	.0001922	-.000154	-.001596
Stddev	.000770	.0045056	.0007268	.0009148	.0000466	.000088	.003597
%RSD	309.1877	12.57951	96.17141	10.02137	24.27090	57.41940	225.4076

#1	.000295	.0326311	.0002418	.0097749	.0001592	-.000216	.000948
#2	-.000793	.0390030	.0012696	.0084812	.0002251	-.000091	-.004139

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0651579	.0000710	-.000315	.0003504	.0000915	.0654884	.1058438
Stddev	.0027712	.0001060	.000410	.0002932	.0002910	.0048281	.0100461
%RSD	4.253083	149.3797	129.8943	83.67287	318.1922	7.372503	9.491411

#1	.0671174	-.000004	-.000026	.0005577	.0002972	.0620744	.0987402
#2	.0631983	.000146	-.000605	.0001431	-.000114	.0689024	.1129475

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000051	.0074139	.0008494	.0002478	.1004381	.0003825	-.000025
Stddev	.000593	.0057953	.0004803	.0000676	.0034987	.0007016	.001384
%RSD	1157.884	78.16751	56.54246	27.29598	3.483433	183.4277	5636.336

#1	.000368	.0115119	.0005098	.0002956	.1029121	-.000114	.000954
#2	-.000470	.0033161	.0011891	.0001999	.0979642	.000879	-.001004

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

Sample Name: 500-111320-a-24-a Acquired: 5/12/2016 23:30:33 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.000406	-0.001144	.0027954	-0.000882	.0001514	.0000785	-0.000441
Stddev	.000600	.002195	.0010176	.000456	.0000060	.0000061	.000329
%RSD	147.8807	191.7903	36.40230	51.65946	3.969962	7.802435	74.67999

#1	.000019	-.002696	.0035149	-.000560	.0001472	.0000828	-.000208
#2	-.000830	.000408	.0020758	-.001204	.0001557	.0000742	-.000674

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	-0.000262	.0030347
Stddev	.000083	.0000846
%RSD	31.82430	2.788687

#1	-.000321	.0030946
#2	-.000203	.0029749

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1314.942	724.8269	7415.448	3246.636
Stddev	1.428	.2121	34.192	3.182
%RSD	.1086211	.0292626	.4610872	.0979963

#1	1315.952	724.6769	7391.271	3244.386
#2	1313.932	724.9769	7439.626	3248.886

Sample Name: 500-111320-a-25-a Acquired: 5/12/2016 23:34:50 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000761	1.667896	F 86.37241	.2028548	.2578704	-.000181
Stddev	.000003	.004317	.11000	.0000198	.0000543	.000327
%RSD	.3506142	.2588377	.1273577	.0097611	.0210720	181.0790

#1	-.000759	1.664843	86.45019	.2028688	.2579089	.000051
#2	-.000763	1.670948	86.29462	.2028408	.2578320	-.000412

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			20.00000			
Low Limit			-.010000			

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0021233	268.4167	.0013623	.0004867	.0190742	.0481675
Stddev	.0015491	.0344	.0007476	.0001044	.0005162	.0001531
%RSD	72.95971	.0128288	54.87930	21.45487	2.706056	.3178681

#1	.0032187	268.3924	.0008337	.0005605	.0187092	.0482758
#2	.0010279	268.4411	.0018910	.0004129	.0194391	.0480592

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

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.621186	778.2804	.0051787	.6562234	.0032865	.1421231
Stddev	.035823	4.7666	.0002707	.0169883	.0003953	.0014588
%RSD	1.366688	.6124472	5.228126	2.588798	12.02662	1.026439

#1	2.646517	774.9099	.0049873	.6682360	.0030070	.1431546
#2	2.595855	781.6508	.0053701	.6442109	.0035660	.1410915

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

Sample Name: 500-111320-a-25-a Acquired: 5/12/2016 23:34:50 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 1651.700	.0286963	-.000692	-.001456	.0016967	8.520193
Stddev	11.390	.0008876	.003801	.001569	.0001786	.005159
%RSD	.6895891	3.093181	548.9476	107.7416	10.52713	.0605533

#1	1659.754	.0280687	.001995	-.000347	.0015704	8.516544
#2	1643.646	.0293239	-.003380	-.002565	.0018230	8.523841

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1000.000					
Low Limit	-1.00000					

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001685	F 5.545555	.0041836	-.004107	.1929155	.0065729
Stddev	.0017142	.013275	.0001799	.002881	.0004934	.0002840
%RSD	1017.090	.2393876	4.299087	70.14512	.2557502	4.321228

#1	-.001044	5.554942	.0043108	-.002070	.1925667	.0063721
#2	.001381	5.536168	.0040564	-.006144	.1932644	.0067738

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.000000				
Low Limit		-.005000				

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	830.8512	565.7103	5720.322	2865.336
Stddev	3.7386	1.9861	17.085	.007
%RSD	.4499765	.3510850	.2986698	.0002565

#1	833.4948	567.1147	5732.402	2865.341
#2	828.2076	564.3059	5708.241	2865.330

Sample Name: 500-111321-a-1-a Acquired: 5/12/2016 23:41:26 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000224	.0232999	.0036809	.0497352	.3547681	.0002916	-.001507
Stddev	.000872	.0050708	.0026358	.0001213	.0004497	.0003370	.000941
%RSD	389.7842	21.76319	71.60766	.2438999	.1267443	115.5685	62.48902

#1	-.000840	.0268855	.0055446	.0498210	.3550860	.0005298	-.002172
#2	.000393	.0197143	.0018171	.0496494	.3544501	.0000533	-.000841

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	144.7183	.0004925	.0005400	.0004071	1.737147	.2889012	6.195976
Stddev	.1353	.0002101	.0005224	.0008381	.000384	.0175613	.022664
%RSD	.0934943	42.65478	96.73923	205.8702	.0221005	6.078657	.3657796

#1	144.6226	.0006411	.0009093	.0009997	1.736875	.2764835	6.179950
#2	144.8140	.0003440	.0001706	-.000186	1.737418	.3013189	6.212001

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0057384	79.73712	.0162896	.0023274	27.88359	.1111573	.0002386
Stddev	.0000871	.17663	.0004007	.0004416	.00862	.0008781	.0026142
%RSD	1.517536	.2215101	2.459987	18.97502	.0309209	.7899783	1095.784

#1	.0056769	79.61223	.0165730	.0026397	27.87749	.1117782	.0020871
#2	.0058000	79.86202	.0160063	.0020151	27.88968	.1105363	-.001610

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

Sample Name: 500-111321-a-1-a Acquired: 5/12/2016 23:41:26 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000889	-.004544	8.511602	-.000769	.2349133	.0035623	-.002593
Stddev	.001958	.001345	.001326	.001019	.0000957	.0001565	.000835
%RSD	220.2576	29.60012	.0155742	132.5006	.0407304	4.393380	32.20039

#1	-.002273	-.003593	8.510665	-.001490	.2348456	.0036730	-.002003
#2	.000495	-.005495	8.512540	-.000049	.2349809	.0034517	-.003183

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	-.000194	1.260337
Stddev	.000321	.004443
%RSD	165.4735	.3525365

#1	-.000421	1.263479
#2	.000033	1.257195

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1117.552	665.5630	6785.277	3104.763
Stddev	3.449	1.1068	2.784	7.683
%RSD	.3086465	.1662972	.0410358	.2474493

#1	1115.113	664.7803	6787.246	3110.196
#2	1119.991	666.3456	6783.308	3099.331

Sample Name: 500-111321-a-2-a Acquired: 5/12/2016 23:46:43 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002191	.0206437	.0001202	.0533982	.3718073	-.000367	-.001943
Stddev	.0007108	.0066234	.0019652	.0001877	.0003768	.000044	.000395
%RSD	324.3460	32.08417	1634.562	.3515206	.1013446	11.91042	20.31877

#1	-.000283	.0253272	-.001269	.0535309	.3720738	-.000398	-.002222
#2	.000722	.0159603	.001510	.0532655	.3715409	-.000336	-.001664

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	152.2237	.0000739	.0009607	.0006203	.5433597	.1567093	5.760013
Stddev	.6242	.0002201	.0000880	.0006321	.0011666	.0507528	.020684
%RSD	.4100802	297.6169	9.157678	101.9064	.2146939	32.38656	.3590963

#1	152.6651	-.000082	.0008985	.0010672	.5425348	.1208217	5.774639
#2	151.7823	.000230	.0010229	.0001733	.5441846	.1925970	5.745387

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0053203	80.86609	.0029504	.0016970	22.53132	.0080384	.0005149
Stddev	.0003992	.37268	.0010021	.0001805	.03380	.0000162	.0037240
%RSD	7.503754	.4608592	33.96564	10.63636	.1500006	.2009809	723.2278

#1	.0056026	81.12962	.0022418	.0018246	22.50742	.0080498	-.002118
#2	.0050380	80.60257	.0036591	.0015694	22.55522	.0080270	.003148

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

Sample Name: 500-111321-a-2-a Acquired: 5/12/2016 23:46:43 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001345	-0.002949	9.513918	-0.000436	.2442590	.0030942	-0.000564
Stddev	.000828	.000103	.013218	.001078	.0000362	.0001137	.001160
%RSD	61.59564	3.483352	.1389351	247.4487	.0148144	3.674019	205.7965

#1	-0.000759	-0.002877	9.504572	.000327	.2442334	.0031746	-0.001384
#2	-0.001930	-0.003022	9.523265	-0.001198	.2442846	.0030138	.000257

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0005861	.0763163
Stddev	.0000809	.0002473
%RSD	13.80883	.3240023

#1	.0006433	.0764911
#2	.0005288	.0761414

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1117.115	663.6146	6816.412	3106.517
Stddev	1.576	1.5921	3.700	3.066
%RSD	.1410512	.2399082	.0542781	.0987058

#1	1116.000	662.4888	6813.796	3104.349
#2	1118.229	664.7404	6819.028	3108.685

Sample Name: CCV Acquired: 5/12/2016 23:52:00 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4889153	49.19321	.4891427	.5001074	.4938522	.5102971	.4977958
Stddev	.0001810	.36148	.0061473	.0054208	.0023423	.0025940	.0073727
%RSD	.0370264	.7348235	1.256750	1.083931	.4742983	.5083356	1.481060

#1	.4890433	49.44882	.4847959	.4962743	.4955085	.5121314	.4925826
#2	.4887873	48.93761	.4934895	.5039405	.4921959	.5084629	.5030091

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.46931	.4982332	.5184942	.5000901	.5203719	25.84449	47.24908
Stddev	.14081	.0065676	.0065916	.0010055	.0001075	.11234	.26084
%RSD	.5528629	1.318171	1.271297	.2010544	.0206652	.4346727	.5520537

#1	25.56888	.4935892	.5138332	.5008010	.5204479	25.92393	47.43352
#2	25.36974	.5028771	.5231552	.4993791	.5202958	25.76506	47.06464

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.824881	25.89397	5.079017	.4819472	23.04965	.5124264	.4943234
Stddev	.034385	.13850	.021070	.0066228	.13602	.0068429	.0101978
%RSD	.8989820	.5348620	.4148525	1.374185	.5901086	1.335389	2.062987

#1	3.849195	25.99190	5.093916	.4772642	23.14583	.5075877	.4871124
#2	3.800567	25.79604	5.064118	.4866303	22.95347	.5172650	.5015343

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

Sample Name: CCV Acquired: 5/12/2016 23:52:00 Type: QC
Method: P8051216A Mode: CONC Corr. Factor: 1.000000
User: JonesP Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5073680	.4774042	.4860611	.5428089	.5080357	.5311918	.4891652
Stddev	.0094468	.0023965	.0044774	.0042974	.0000956	.0005349	.0058153
%RSD	1.861916	.5019932	.9211669	.7916931	.0188126	.1007076	1.188813

#1	.5006881	.4757096	.4828951	.5397702	.5079681	.5308135	.4850532
#2	.5140478	.4790988	.4892271	.5458477	.5081033	.5315701	.4932772

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

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	4.803273	.5093121
Stddev	.003779	.0072471
%RSD	.0786698	1.422917

#1	4.800601	.5041876
#2	4.805945	.5144365

Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1144.516	687.2320	6987.115	3144.535
Stddev	10.234	6.0953	3.212	18.904
%RSD	.8941596	.8869328	.0459663	.6011681

#1	1151.752	691.5421	6989.386	3131.168
#2	1137.279	682.9220	6984.844	3157.902

Sample Name: CCB Acquired: 5/12/2016 23:56:06 Type: QC

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007292	.0283176	.0023467	-.000060	.0000030	-.000315	-.002888
Stddev	.0005653	.0130181	.0013720	.000364	.0000921	.000281	.000420
%RSD	77.52064	45.97166	58.46378	605.5129	3116.363	89.35892	14.54089

#1	.0003295	.0375228	.0033168	.000197	.0000681	-.000514	-.002591
#2	.0011289	.0191125	.0013766	-.000318	-.000062	-.000116	-.003185

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.006467	.0000839	-.000017	-.000227	-.000971	.0287102	.0717840
Stddev	.000244	.0001583	.000274	.000038	.000239	.0084702	.0124820
%RSD	3.776266	188.6690	1592.094	16.57003	24.59438	29.50241	17.38822

#1	-.006294	-.000028	-.000211	-.000253	-.001140	.0346996	.0629579
#2	-.006640	.000196	.000176	-.000200	-.000802	.0227209	.0806101

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

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004240	-.028138	.0005229	.0003446	.0270753	.0003834	-.000157
Stddev	.0000037	.012017	.0004882	.0005652	.0001160	.0008971	.002907
%RSD	.8602399	42.70691	93.35494	164.0198	.4284432	233.9909	1851.368

#1	.0004214	-.036635	.0001777	-.000055	.0271573	.0010177	.001898
#2	.0004265	-.019640	.0008681	.000744	.0269933	-.000251	-.002212

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

Sample Name: CCB Acquired: 5/12/2016 23:56:06 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012518	-.003221	-.001212	-.001339	.0000021	.0001555	.0006314
Stddev	.0013800	.000060	.001013	.000372	.0000125	.0000431	.0011108
%RSD	110.2403	1.865248	83.63348	27.76270	588.5055	27.69912	175.9234
#1	.0002760	-.003264	-.001928	-.001076	.0000110	.0001250	-.000154
#2	.0022277	-.003179	-.000495	-.001602	-.000007	.0001859	.001417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	-.000099	-.000258
Stddev	.000317	.000203
%RSD	320.1290	78.75871
#1	.000125	-.000114
#2	-.000323	-.000402
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1312.606	724.7042	7338.958	3198.121
Stddev	3.410	1.8082	10.182	1.988
%RSD	.2597942	.2495132	.1387385	.0621768
#1	1310.195	723.4256	7346.158	3196.715
#2	1315.018	725.9828	7331.758	3199.527

Sample Name: 500-111321-a-3-a Acquired: 5/13/2016 0:00:22 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012466	.8981487	.0048773	.1584410	.3653673	.0034796
Stddev	.0009095	.0005744	.0026071	.0002458	.0058282	.0001466
%RSD	72.95539	.0639515	53.45269	.1551266	1.595162	4.212175

#1	.0006035	.8977425	.0067208	.1586148	.3694885	.0035832
#2	.0018897	.8985548	.0030339	.1582672	.3612462	.0033760

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 5.774802	224.1488	.0000381	.0145799	.0701371	.3806092
Stddev	.023762	3.7432	.0000528	.0014253	.0003378	.0003262
%RSD	.4114721	1.669975	138.3047	9.775899	.4815756	.0857183

#1	5.758000	226.7957	.0000755	.0135721	.0703759	.3808399
#2	5.791604	221.5020	.0000008	.0155878	.0698983	.3803785

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	5.000000					
Low Limit	-.050000					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	702.6609	30.82617	.0119782	86.94548	6.119538	.0225901
Stddev	12.3304	.55507	.0002824	1.49603	.098766	.0009124
%RSD	1.754816	1.800661	2.357781	1.720654	1.613949	4.039065

#1	711.3798	31.21867	.0121779	88.00333	6.189376	.0232352
#2	693.9419	30.43368	.0117784	85.88763	6.049700	.0219449

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

Sample Name: 500-111321-a-3-a Acquired: 5/13/2016 0:00:22 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	96.18626	.1391141	.0129326	-.000337	.0059948	4.822232
Stddev	1.80173	.0011159	.0043746	.000834	.0036097	.010661
%RSD	1.873168	.8021274	33.82614	247.4600	60.21410	.2210792

#1	97.46027	.1383251	.0160260	-.000927	.0034423	4.814693
#2	94.91224	.1399031	.0098393	.000253	.0085473	4.829770

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0124557	.3585690	.0165629	-.004276	.0358171	3.015742
Stddev	.0009323	.0001950	.0001134	.000166	.0004112	.016066
%RSD	7.485065	.0543910	.6844237	3.876961	1.148057	.5327530

#1	.0117965	.3584311	.0166430	-.004158	.0361079	3.004382
#2	.0131150	.3587069	.0164827	-.004393	.0355263	3.027103

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1041.732	621.9170	6514.184	3023.804
Stddev	2.887	1.0427	6.970	42.649
%RSD	.2771756	.1676601	.1069944	1.410440

#1	1043.773	622.6542	6509.255	2993.647
#2	1039.690	621.1796	6519.112	3053.961

Sample Name: 500-111321-a-4-a Acquired: 5/13/2016 0:05:24 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000162	249.9587	-.000848	.0708062	.3400685	.0000961
Stddev	.000886	.2354	.002222	.0033800	.0003045	.0003797
%RSD	546.9078	.0941827	262.0908	4.773662	.0895446	395.0727

#1	-.000789	249.7923	.000723	.0684162	.3402838	.0003646
#2	.000465	250.1252	-.002419	.0731963	.3398531	-.000172

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

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.780341	F 877.6106	.0001275	.0026196	.0174456	.3558544
Stddev	.225337	3.9968	.0000410	.0000985	.0005185	.0038183
%RSD	4.713837	.4554130	32.11093	3.761035	2.971993	1.072980

#1	4.621003	874.7844	.0001565	.0026892	.0170790	.3531545
#2	4.939678	880.4367	.0000986	.0025499	.0178123	.3585543

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		600.0000				
Low Limit		-.200000				

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.10697	15.91085	.0188411	83.38227	.1452168	.0024873
Stddev	.06161	.08606	.0000117	.34943	.0010797	.0009483
%RSD	.5546820	.5409100	.0621165	.4190667	.7435096	38.12512

#1	11.15053	15.84999	.0188329	83.13518	.1459802	.0018167
#2	11.06341	15.97170	.0188494	83.62935	.1444533	.0031578

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

Sample Name: 500-111321-a-4-a Acquired: 5/13/2016 0:05:24 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	29.53108	.0277626	.0097094	-.001337	-.008896	5.140757
Stddev	.02399	.0010540	.0013957	.000201	.002522	.225171
%RSD	.0812295	3.796428	14.37449	14.99888	28.34937	4.380114

#1	29.51412	.0270173	.0106963	-.001479	-.010680	4.981537
#2	29.54804	.0285079	.0087225	-.001195	-.007113	5.299977

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

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0051581	.6303532	.9868106	.0017668	.0253475	.4160762
Stddev	.0021282	.0016959	.0072507	.0009700	.0007853	.0151983
%RSD	41.25951	.2690359	.7347582	54.90183	3.098071	3.652757

#1	.0036532	.6291540	.9816836	.0010809	.0259028	.4053294
#2	.0066630	.6315523	.9919376	.0024526	.0247922	.4268229

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

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	962.5026	633.2667	6302.738	3041.368
Stddev	30.5264	21.0925	26.525	5.270
%RSD	3.171568	3.330742	.4208476	.1732822

#1	984.0880	648.1813	6321.494	3045.094
#2	940.9171	618.3520	6283.982	3037.641

Sample Name: 500-111321-a-5-a Acquired: 5/13/2016 0:10:35 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000084	4.248896	.0049465	.0916284	.3254748	.0001234	.2762843
Stddev	.000370	.017443	.0021687	.0003356	.0005377	.0005416	.0029475
%RSD	441.5471	.4105281	43.84358	.3662428	.1652154	439.0036	1.066837

#1	.000178	4.236562	.0034130	.0913912	.3258550	-.000260	.2742001
#2	-.000346	4.261230	.0064801	.0918657	.3250946	.000506	.2783685

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

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	143.9356	.0003083	.0015305	.0043968	.3493572	5.182606	25.06455
Stddev	.0895	.0001666	.0006473	.0002544	.0000338	.008455	.06902
%RSD	.0621950	54.05347	42.28982	5.785645	.0096873	.1631360	.2753515

#1	143.8723	.0001904	.0019882	.0045767	.3493333	5.188584	25.11335
#2	143.9989	.0004261	.0010728	.0042170	.3493811	5.176627	25.01575

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0596024	75.91325	.0907318	.0023084	53.01696	.0162603	.0053690
Stddev	.0002306	.05565	.0001323	.0001514	.13017	.0023502	.0006568
%RSD	.3868582	.0733017	.1457826	6.556943	.2455328	14.45358	12.23302

#1	.0594394	75.95260	.0908253	.0022013	53.10901	.0179221	.0058334
#2	.0597654	75.87390	.0906383	.0024154	52.92491	.0145985	.0049046

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 500-111321-a-5-a Acquired: 5/13/2016 0:10:35 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003117	.0008988	8.753700	.0057270	.2546113	.0890848	-.003371
Stddev	.000179	.0033023	.012379	.0017417	.0001333	.0006056	.002566
%RSD	5.754804	367.3949	.1414108	30.41151	.0523689	.6797844	76.13870

#1	-.003244	-.001436	8.744947	.0069586	.2545170	.0895130	-.005185
#2	-.002990	.003234	8.762453	.0044955	.2547055	.0886566	-.001556

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0088865	.3604178
Stddev	.0000545	.0002975
%RSD	.6137792	.0825520

#1	.0088479	.3606281
#2	.0089250	.3602074

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1099.151	646.3775	6718.458	3116.073
Stddev	3.433	1.5734	29.869	6.198
%RSD	.3123399	.2434107	.4445770	.1989105

#1	1101.578	647.4901	6697.338	3111.690
#2	1096.723	645.2650	6739.579	3120.456

Sample Name: 500-111341-a-2-a Acquired: 5/13/2016 0:14:47 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000578	1.259445	.0164663	49.52841	.0426997	-.000180
Stddev	.000617	.000934	.0021707	.07775	.0000395	.000128
%RSD	106.7987	.0741574	13.18253	.1569859	.0926099	70.73862

#1	-.000141	1.260105	.0180012	49.47343	.0426717	-.000271
#2	-.001014	1.258784	.0149314	49.58339	.0427277	-.000090

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005717	130.8160	-.000108	.3894526	.0121817	.0671928
Stddev	.0017021	.3177	.000303	.0004529	.0002907	.0002667
%RSD	297.7417	.2428622	279.7304	.1163053	2.386745	.3968789

#1	-.000632	131.0406	-.000323	.3897729	.0119761	.0670042
#2	.001775	130.5913	.000106	.3891323	.0123872	.0673814

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.579946	529.4646	1.091534	112.7608	.7265712	.2155121
Stddev	.057330	.9447	.001944	.6374	.0004537	.0006591
%RSD	2.222137	.1784346	.1780640	.5652686	.0624374	.3058058

#1	2.539407	530.1326	1.090159	113.2115	.7262504	.2150461
#2	2.620484	528.7965	1.092908	112.3101	.7268920	.2159782

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 500-111341-a-2-a Acquired: 5/13/2016 0:14:47 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 1737.910	.8126131	.0105023	.0966712	.0056092	10.12636
Stddev	14.289	.0002777	.0017373	.0022085	.0029813	.01186
%RSD	.8222127	.0341757	16.54216	2.284507	53.15083	.1171423

#1	1727.806	.8124167	.0117308	.0951095	.0035011	10.11797
#2	1748.014	.8128095	.0092739	.0982328	.0077173	10.13475

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1000.000					
Low Limit	-1.00000					

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0034507	.6067808	.0074493	-.004723	.0226314	1.525243
Stddev	.0002010	.0017576	.0001420	.001949	.0003223	.001326
%RSD	5.823621	.2896614	1.905618	41.27625	1.424049	.0869535

#1	.0033086	.6055380	.0073489	-.006101	.0228593	1.526181
#2	.0035928	.6080236	.0075497	-.003344	.0224035	1.524305

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	825.7673	562.9207	5702.547	2868.999
Stddev	2.0424	2.2237	33.780	1.588
%RSD	.2473385	.3950257	.5923700	.0553343

#1	827.2115	564.4931	5726.433	2870.122
#2	824.3231	561.3484	5678.661	2867.877

Sample Name: 500-111348-f-2-a Acquired: 5/13/2016 0:20:06 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001589	.0294877	.0016139	.0519905	.0113910	-.000267	-.000035
Stddev	.0001204	.0116415	.0021906	.0024136	.0000846	.000563	.001258
%RSD	75.76046	39.47909	135.7331	4.642393	.7424722	210.7705	3634.920

#1	.0002440	.0377195	.0031628	.0536972	.0113312	.000131	.000855
#2	.0000738	.0212559	.0000649	.0502838	.0114508	-.000666	-.000924

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.923276	.0000902	.0003754	.0000254	.0072193	.7510419	4.300176
Stddev	.033249	.0000233	.0000396	.0006116	.0002743	.0549371	.021279
%RSD	.3726119	25.89003	10.55626	2405.938	3.799743	7.314791	.4948303

#1	8.899765	.0000737	.0004034	.0004579	.0074133	.7898883	4.285130
#2	8.946787	.0001067	.0003474	-.000407	.0070253	.7121954	4.315222

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0041781	5.213165	.0068076	.0002769	47.19449	.0004457	-.002510
Stddev	.0001858	.004565	.0003637	.0002490	.22978	.0016493	.001051
%RSD	4.447096	.0875597	5.343202	89.92079	.4868812	370.0529	41.88197

#1	.0040467	5.209937	.0070648	.0004530	47.03201	.0016119	-.001767
#2	.0043095	5.216393	.0065504	.0001008	47.35697	-.000721	-.003253

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 500-111348-f-2-a Acquired: 5/13/2016 0:20:06 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010313	-.003730	6.952616	-.002420	.0991146	.0015657	-.000431
Stddev	.0000407	.003420	.016102	.000016	.0000483	.0000391	.000222
%RSD	3.942669	91.69590	.2316001	.6730559	.0487248	2.494479	51.63038

#1	.0010025	-.006148	6.941230	-.002409	.0991488	.0015934	-.000588
#2	.0010600	-.001311	6.964002	-.002432	.0990805	.0015381	-.000273

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0007940	.0113872
Stddev	.0003926	.0003922
%RSD	49.44295	3.444426

#1	.0005164	.0111099
#2	.0010716	.0116646

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1207.053	694.5432	7063.828	3192.496
Stddev	1.400	2.5345	15.812	15.182
%RSD	.1159633	.3649197	.2238423	.4755619

#1	1208.042	696.3354	7052.647	3203.231
#2	1206.063	692.7510	7075.008	3181.760

Sample Name: 111348-f-2-a SD@5 Acquired: 5/13/2016 0:24:20 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000488	.0188626	-.001299	.0237689	.0023516	-.000293	-.000859
Stddev	.000399	.0066521	.000895	.0006754	.0001254	.000068	.000091
%RSD	81.81576	35.26597	68.88781	2.841759	5.330294	23.35191	10.64045

#1	-.000206	.0235663	-.000666	.0242465	.0022630	-.000342	-.000924
#2	-.000770	.0141588	-.001932	.0232913	.0024402	-.000245	-.000795

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.810843	.0000894	-.000228	-.000974	.0009439	.2074035	.9442480
Stddev	.004626	.0001498	.000043	.000906	.0003475	.0234218	.0032176
%RSD	.2554380	167.5490	18.75382	92.96289	36.81675	11.29287	.3407584

#1	1.814114	-.000017	-.000258	-.000334	.0006982	.1908418	.9419728
#2	1.807572	.000195	-.000198	-.001614	.0011897	.2239652	.9465232

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012384	1.012677	.0016502	-.000220	9.474258	.0002369	-.002514
Stddev	.0000493	.031804	.0005537	.000295	.062328	.0002203	.000898
%RSD	3.977804	3.140555	33.55734	134.0334	.6578641	92.97530	35.74240

#1	.0012036	.990189	.0012586	-.000012	9.518330	.0003927	-.001878
#2	.0012732	1.035166	.0020417	-.000429	9.430186	.0000812	-.003149

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 111348-f-2-a SD@5 Acquired: 5/13/2016 0:24:20 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001256	-0.005723	1.373548	.0007349	.0199336	.0003252	-.000409
Stddev	.000114	.000163	.001047	.0008931	.0000054	.0000034	.000320
%RSD	9.114584	2.843407	.0762290	121.5238	.0268728	1.045132	78.32075

#1	-0.001175	-0.005838	1.372808	.0001034	.0199374	.0003276	-.000636
#2	-0.001337	-0.005608	1.374289	.0013664	.0199298	.0003228	-.000183

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	-0.000104	.0024076
Stddev	.000081	.0001574
%RSD	78.22594	6.537178

#1	-0.000161	.0022963
#2	-0.000046	.0025189

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1272.703	712.5862	7218.706	3180.947
Stddev	2.546	2.0161	10.465	1.588
%RSD	.2000429	.2829203	.1449767	.0499360

#1	1270.902	711.1606	7211.306	3179.824
#2	1274.503	714.0117	7226.106	3182.070

Sample Name: 500-111348-f-2-b du Acquired: 5/13/2016 0:28:36 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000405	.0357243	.0025868	.0326816	.0121669	-.000288	-.002712
Stddev	.0002985	.0152901	.0027903	.0002026	.0001976	.000014	.000224
%RSD	737.5413	42.80034	107.8658	.6198285	1.623691	4.910449	8.249738

#1	.0002516	.0465360	.0006138	.0328248	.0123065	-.000298	-.002554
#2	-.000171	.0249125	.0045598	.0325383	.0120272	-.000278	-.002870

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.527571	.0001490	.0000020	-.000020	.0082135	.7580706	4.349070
Stddev	.005294	.0002109	.0004509	.000220	.0002121	.0295740	.022223
%RSD	.0555696	141.4737	22441.83	1110.162	2.582193	3.901215	.5109718

#1	9.531315	.0002981	-.000317	-.000176	.0083634	.7789825	4.364784
#2	9.523827	-.000000	.000321	.000136	.0080635	.7371586	4.333356

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0043274	5.541146	.0067676	.0003801	50.16018	-.000300	.0008751
Stddev	.0012073	.038838	.0001627	.0002438	.30228	.000595	.0009738
%RSD	27.89777	.7009056	2.403338	64.14082	.6026264	198.0177	111.2751

#1	.0051811	5.568609	.0068826	.0005525	50.37392	-.000721	.0001865
#2	.0034738	5.513683	.0066526	.0002077	49.94644	.000120	.0015636

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 500-111348-f-2-b du Acquired: 5/13/2016 0:28:36 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000753	-.006649	7.310749	.0007824	.1049931	.0015878	-.001557
Stddev	.001974	.004120	.071830	.0000089	.0000903	.0003323	.000472
%RSD	262.2131	61.96637	.9825234	1.133432	.0859864	20.92900	30.33248

#1	.000643	-.003736	7.361541	.0007761	.1049293	.0018227	-.001223
#2	-.002148	-.009562	7.259958	.0007887	.1050570	.0013528	-.001892

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.0006226	.0123982
Stddev	.0002239	.0001368
%RSD	35.96351	1.103050

#1	.0007809	.0124949
#2	.0004643	.0123015

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1211.974	697.9942	7082.964	3183.801
Stddev	9.316	5.5168	17.794	10.238
%RSD	.7686728	.7903824	.2512293	.3215808

#1	1205.386	694.0932	7095.547	3176.561
#2	1218.561	701.8952	7070.382	3191.041

Sample Name: 500-111348-f-2-c.ms Acquired: 5/13/2016 0:32:51 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0499111	2.076918	.1001176	1.028778	2.017514	.0514669	.5131702
Stddev	.0001269	.019299	.0029765	.004434	.001697	.0007421	.0022066
%RSD	.2542258	.9291924	2.972992	.4309681	.0841242	1.441827	.4299928

#1	.0498214	2.090564	.0980129	1.025643	2.018714	.0509422	.5147305
#2	.0500008	2.063272	.1022223	1.031913	2.016314	.0519916	.5116099

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.33618	.0514150	.5193442	.1995199	.2766071	1.740098	14.02558
Stddev	.09549	.0001126	.0006839	.0001560	.0000192	.055956	.01401
%RSD	.4938491	.2189008	.1316858	.0781902	.0069331	3.215663	.0998595

#1	19.26866	.0514946	.5188606	.1996303	.2765935	1.700531	14.01567
#2	19.40370	.0513354	.5198278	.1994096	.2766206	1.779665	14.03548

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5049299	15.47788	.5152108	.9864479	59.10516	.5127536	.1001606
Stddev	.0007766	.10853	.0004889	.0025185	.25478	.0026892	.0001242
%RSD	.1537966	.7012058	.0948966	.2553054	.4310655	.5244559	.1240228

#1	.5054790	15.40114	.5155565	.9846671	58.92500	.5146551	.1000728
#2	.5043808	15.55463	.5148651	.9882288	59.28532	.5108521	.1002484

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: 500-111348-f-2-c.ms Acquired: 5/13/2016 0:32:51 Type: Unk

Method: P8051216A Mode: CONC Corr. Factor: 1.000000

User: JonesP Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5212467	.0964564	11.88871	1.064352	1.129999	1.078807	.1010124
Stddev	.0023505	.0061724	.03338	.001906	.002522	.000146	.0008045
%RSD	.4509484	6.399116	.2808101	.1791121	.2231902	.0135005	.7964303

#1	.5229088	.1008209	11.86510	1.065700	1.128216	1.078910	.1015813
#2	.5195846	.0920919	11.91232	1.063004	1.131782	1.078704	.1004435

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	.4907997	.5111914
Stddev	.0004618	.0001505
%RSD	.0940843	.0294394

#1	.4911263	.5110850
#2	.4904732	.5112978

Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1160.507	677.5692	6985.258	3189.745
Stddev	1.853	2.1291	5.503	7.038
%RSD	.1596739	.3142196	.0787814	.2206595

#1	1161.817	679.0747	6981.367	3194.722
#2	1159.197	676.0638	6989.150	3184.768

Sample Name: CCV Acquired: 5/13/2016 0:37:05 Type: QC
Method: P8051216A Mode: CONC Corr. Factor: 1.000000
User: JonesP Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4881712	49.28883	.4804070	.5059998	.4948223	.5069930	.4970328
Stddev	.0006439	.07157	.0036306	.0008604	.0009122	.0015678	.0005272
%RSD	.1318978	.1452131	.7557329	.1700363	.1843570	.3092337	.1060734

#1	.4877159	49.33944	.4829742	.5066082	.4941772	.5081016	.4966600
#2	.4886265	49.23822	.4778398	.5053914	.4954673	.5058844	.4974056

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.30920	.4949392	.5187803	.5003561	.5197867	25.63868	47.39701
Stddev	.08960	.0006758	.0004342	.0033567	.0016732	.07150	.14247
%RSD	.3540325	.1365388	.0837007	.6708720	.3219051	.2788694	.3005923

#1	25.37255	.4944614	.5184732	.5027297	.5186036	25.68924	47.29627
#2	25.24584	.4954171	.5190873	.4979826	.5209699	25.58812	47.49776

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.879169	25.60473	5.069383	.4797233	23.27470	.5113016	.4931308
Stddev	.021536	.05351	.016356	.0007650	.08278	.0010563	.0005455
%RSD	.5551665	.2089988	.3226346	.1594610	.3556691	.2065984	.1106287

#1	3.863941	25.56689	5.080949	.4802642	23.21617	.5120486	.4935166
#2	3.894397	25.64257	5.057818	.4791824	23.33323	.5105547	.4927451

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Sample Name: CCV Acquired: 5/13/2016 0:37:05 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5014832	.4770873	.4897660	.5425179	.5079722	.5301950	.4910930
Stddev	.0007871	.0020392	.0054315	.0048279	.0006587	.0004684	.0061125
%RSD	.1569588	.4274206	1.109001	.8899071	.1296712	.0883547	1.244675

#1	.5009266	.4756453	.4859253	.5391040	.5075064	.5305262	.4954152
#2	.5020398	.4785292	.4936066	.5459317	.5084380	.5298637	.4867708

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	4.806665	.5183537
Stddev	.002836	.0130181
%RSD	.0590038	2.511427

#1	4.808670	.5091485
#2	4.804659	.5275589

Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1144.278	691.8844	6963.178	3139.297
Stddev	6.342	4.8548	8.864	4.684
%RSD	.5542069	.7016785	.1272928	.1492151

#1	1139.794	688.4516	6969.446	3142.609
#2	1148.763	695.3173	6956.911	3135.985

Sample Name: CCB Acquired: 5/13/2016 0:41:11 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348	Bi2230
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000017	.0185627	.0006656	.0069428	-.000021	-.000149	.0006740
Stddev	.000672	.0225602	.0002049	.0004386	.000061	.000097	.0017404
%RSD	4013.326	121.5347	30.78090	6.317359	295.7707	65.31724	258.2246

#1	.000458	.0345152	.0008105	.0072529	.000023	-.000218	-.000557
#2	-.000492	.0026103	.0005207	.0066327	-.000064	-.000080	.001905

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003879	.0002960	-.000046	.0000635	-.000620	.0585786	.0658502
Stddev	.000011	.0000777	.000357	.0001131	.000172	.0077099	.0140684
%RSD	.2710141	26.23744	781.2241	178.0682	27.71248	13.16157	21.36428

#1	-.003872	.0003509	.000207	-.000016	-.000741	.0640303	.0559023
#2	-.003887	.0002411	-.000298	.000143	-.000498	.0531269	.0757981

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003913	-.021217	.0004498	.0002513	.0209546	.0008936	-.000949
Stddev	.0001941	.053832	.0002924	.0003182	.0000169	.0001935	.001065
%RSD	49.59163	253.7240	65.01596	126.6213	.0808884	21.65051	112.2716

#1	.0002541	.016848	.0002430	.0000263	.0209427	.0007568	-.001702
#2	.0005286	-.059282	.0006566	.0004762	.0209666	.0010304	-.000196

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Sample Name: CCB Acquired: 5/13/2016 0:41:11 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017734	-.003963	-.000113	-.000248	-.000009	.0003748	.0016682
Stddev	.0003643	.001924	.000897	.000484	.000011	.0000455	.0005592
%RSD	20.54263	48.55266	795.7642	194.7342	113.3163	12.15114	33.52304
#1	.0020310	-.005324	-.000747	.000094	-.000002	.0004070	.0012728
#2	.0015158	-.002602	.000521	-.000590	-.000017	.0003426	.0020637
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	V_2924	Zn2062
Units	ppm	ppm
Avg	-.000308	.0002687
Stddev	.000525	.0000292
%RSD	170.1796	10.87638
#1	-.000679	.0002480
#2	.000063	.0002893
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1309.243	721.8894	7390.167	3196.168
Stddev	3.503	1.5340	66.399	18.508
%RSD	.2675527	.2124977	.8984807	.5790584
#1	1311.720	722.9741	7343.216	3209.255
#2	1306.766	720.8047	7437.118	3183.081

Sample Name: CCVL Acquired: 5/13/2016 0:45:27 Type: QC
Method: P8051216A Mode: CONC Corr. Factor: 1.000000
User: JonesP Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be2348
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0053429	.2192159	.0108556	.0558198	.0102443	.0040184
Stddev	.0001074	.0068312	.0001974	.0006628	.0000920	.0001844
%RSD	2.009907	3.116197	1.818046	1.187429	.8979728	4.588497

#1	.0054189	.2240462	.0107160	.0562885	.0101792	.0038880
#2	.0052670	.2143855	.0109951	.0553511	.0103093	.0041487

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Bi2230	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0493081	.2089037	.0020808	.0052601	.0096435	.0099320
Stddev	.0015116	.0058920	.0000047	.0004636	.0003087	.0001148
%RSD	3.065519	2.820458	.2253850	8.813783	3.201551	1.155445

#1	.0503769	.2047374	.0020775	.0055880	.0098618	.0100131
#2	.0482393	.2130700	.0020841	.0049323	.0094252	.0098508

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2514895	.5311895	.0103547	.0824641	.0106318	.0099133
Stddev	.0046689	.0056940	.0000838	.0250911	.0002711	.0001600
%RSD	1.856499	1.071934	.8089937	30.42673	2.549662	1.614101

#1	.2481881	.5271632	.0102955	.1002062	.0104401	.0098002
#2	.2547909	.5352158	.0104140	.0647220	.0108235	.0100264

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 5/13/2016 0:45:27 Type: QC
 Method: P8051216A Mode: CONC Corr. Factor: 1.000000
 User: JonesP Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9824649	.0096048	F .0028017	.0206575	F .0043940	.1768792
Stddev	.0059045	.0002114	.0013099	.0002498	.0016191	.0035100
%RSD	.6009831	2.201380	46.75286	1.209027	36.84793	1.984430

#1	.9866399	.0094553	.0018755	.0208341	.0032491	.1793612
#2	.9782898	.0097544	.0037279	.0204809	.0055388	.1743972

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value			.0050000		.0100000	
Range			-30.0000%		-30.0000%	

Elem	Sn1899	Sr4215	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0410415	.0052892	.0053003	.0110255	.0046784	.0197017
Stddev	.0001781	.0000352	.0001905	.0003473	.0003451	.0001607
%RSD	.4339103	.6652300	3.593788	3.149903	7.377006	.8158286

#1	.0411674	.0052643	.0054351	.0107800	.0049224	.0195881
#2	.0409156	.0053140	.0051657	.0112711	.0044343	.0198154

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	In2306	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1296.242	718.5187	7294.998	3208.438
Stddev	3.542	2.9673	3.663	1.407
%RSD	.2732663	.4129748	.0502125	.0438429

#1	1293.738	716.4205	7297.588	3209.432
#2	1298.747	720.6169	7292.408	3207.443

METALS BATCH WORKSHEET

Lab Name: TestAmerica Chicago Job No.: 500-111319-1

SDG No.: _____

Batch Number: 334709 Batch Start Date: 05/10/16 08:40 Batch Analyst: Filip, Jeanna E

Batch Method: 200.7 Batch End Date: 05/10/16 09:10

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	M16DSPKIC 00001			
MB 500-334709/1		200.7, 200.7 Rev 4.4		50 mL	25 mL				
LCS 500-334709/2		200.7, 200.7 Rev 4.4		50 mL	25 mL	0.25 mL			
500-111319-A-1	MW021S	200.7, 200.7 Rev 4.4	R	50 mL	25 mL				
500-111319-A-2	MW021M	200.7, 200.7 Rev 4.4	R	50 mL	25 mL				
500-111319-A-3	MW040S	200.7, 200.7 Rev 4.4	R	50 mL	25 mL				
500-111319-A-4	MW040M	200.7, 200.7 Rev 4.4	R	50 mL	25 mL				
500-111319-A-5	MW040D	200.7, 200.7 Rev 4.4	R	50 mL	25 mL				
500-111319-A-6	MW040S/D	200.7, 200.7 Rev 4.4	R	50 mL	25 mL				
500-111319-A-7	MW064S	200.7, 200.7 Rev 4.4	R	50 mL	25 mL				
500-111319-A-8	MW064M	200.7, 200.7 Rev 4.4	R	50 mL	25 mL				
500-111319-A-9	MW064D	200.7, 200.7 Rev 4.4	R	50 mL	25 mL				
500-111319-A-10	MW101S	200.7, 200.7 Rev 4.4	R	50 mL	25 mL				
500-111319-A-11	MW101M	200.7, 200.7 Rev 4.4	R	50 mL	25 mL				
500-111319-A-12	MW102S	200.7, 200.7 Rev 4.4	R	50 mL	25 mL				
500-111319-A-13	MW102M	200.7, 200.7 Rev 4.4	R	50 mL	25 mL				
500-111319-A-14	MW102D	200.7, 200.7 Rev 4.4	R	50 mL	25 mL				
500-111319-A-15	MW102D/D	200.7, 200.7 Rev 4.4	R	50 mL	25 mL				
500-111319-A-16	MW105S	200.7, 200.7 Rev 4.4	R	50 mL	25 mL				
500-111319-A-17	MW105M	200.7, 200.7 Rev 4.4	R	50 mL	25 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Chicago Job No.: 500-111319-1

SDG No.: _____

Batch Number: 334709 Batch Start Date: 05/10/16 08:40 Batch Analyst: Filip, Jeanna E

Batch Method: 200.7 Batch End Date: 05/10/16 09:10

Batch Notes	
Batch Comment	Pipet 3000
Digestion Tubes ID	1509104
First End time	0910
Filter Paper ID	51217753
Lot # of hydrochloric acid	4115100
Lot # of Nitric Acid	138698
Hot Block ID	2604
Oven, Bath or Block Temperature 2	92 Degrees C
First Start time	0840
Thermometer ID	a1103x
Uncorrected Temperature	92 Degrees C

Basis	Basis Description
R	Total Recoverable

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Chicago Job No.: 500-111319-1

SDG No.: _____

Batch Number: 334710 Batch Start Date: 05/10/16 08:42 Batch Analyst: Filip, Jeanna E

Batch Method: 200.7 Batch End Date: 05/10/16 09:12

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	M16DSPKIC 00001			
MB 500-334710/1		200.7, 200.7 Rev 4.4		50 mL	25 mL				
LCS 500-334710/2		200.7, 200.7 Rev 4.4		50 mL	25 mL	0.25 mL			
500-111319-A-18	MW105D	200.7, 200.7 Rev 4.4	R	50 mL	25 mL				
500-111319-A-19	MW041S	200.7, 200.7 Rev 4.4	R	50 mL	25 mL				
500-111319-A-19 DU	MW041S	200.7, 200.7 Rev 4.4	R	50 mL	25 mL				
500-111319-A-19 MS	MW041S	200.7, 200.7 Rev 4.4	R	50 mL	25 mL	0.25 mL			
500-111319-A-19 MSD	MW041S	200.7, 200.7 Rev 4.4	R	50 mL	25 mL	0.25 mL			
500-111319-A-20	MW041M	200.7, 200.7 Rev 4.4	R	50 mL	25 mL				
500-111319-A-21	MW047S	200.7, 200.7 Rev 4.4	R	50 mL	25 mL				
500-111319-A-22	MW047M	200.7, 200.7 Rev 4.4	R	50 mL	25 mL				
500-111319-A-23	MW047D	200.7, 200.7 Rev 4.4	R	50 mL	25 mL				
500-111319-A-24	MW100S	200.7, 200.7 Rev 4.4	R	50 mL	25 mL				
500-111319-A-24 DU	MW100S	200.7, 200.7 Rev 4.4	R	50 mL	25 mL				
500-111319-A-24 MS	MW100S	200.7, 200.7 Rev 4.4	R	50 mL	25 mL	0.25 mL			
500-111319-A-24 MSD	MW100S	200.7, 200.7 Rev 4.4	R	50 mL	25 mL	0.25 mL			
500-111319-A-25	MW100M	200.7, 200.7 Rev 4.4	R	50 mL	25 mL				
500-111319-A-26	MW100D	200.7, 200.7 Rev 4.4	R	50 mL	25 mL				
500-111319-A-27	MW103S	200.7, 200.7 Rev 4.4	R	50 mL	25 mL				
500-111319-A-28	MW103M	200.7, 200.7 Rev 4.4	R	50 mL	25 mL				
500-111319-A-29	MW104S	200.7, 200.7 Rev 4.4	R	50 mL	25 mL				
500-111319-A-30	MW104M	200.7, 200.7 Rev 4.4	R	50 mL	25 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Chicago Job No.: 500-111319-1

SDG No.: _____

Batch Number: 334710 Batch Start Date: 05/10/16 08:42 Batch Analyst: Filip, Jeanna E

Batch Method: 200.7 Batch End Date: 05/10/16 09:12

Batch Notes	
Batch Comment	Pipet 3000
Digestion Tubes ID	1509104
First End time	0912
Filter Paper ID	51217753
Lot # of hydrochloric acid	4115100
Lot # of Nitric Acid	138698
Hot Block ID	2604
Oven, Bath or Block Temperature 2	92 Degrees C
First Start time	0842
Thermometer ID	a1103x
Uncorrected Temperature	92 Degrees C

Basis	Basis Description
R	Total Recoverable

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
 Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional) _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 E-Mail: _____

Bill To (optional) _____
 Contact: _____
 Company: _____
 Address: _____
 Address: _____
 Phone: _____
 Fax: _____
 PO#/Reference# _____



Chain of Custody Record

Lab Job #: 500-111319
 Chain of Custody Number: _____
 Page 1 of 3
 Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		Sampler		Lab Project #		Lab PM		Preservative Key		
Tyco Fire Protection				Nitric Acid		Total As		Ryan Swennen/Jeff Danko						1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other		
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	Comments									
1		MW021S	5/1/16	0831	1	W	X	EPA Method 200.7 Rev 4.4								
2		MW021M	5/1/16	0833	1	W	X									
3		MW040S	5/1/16	1026	1	W	X									
4		MW040M	5/1/16	1025	1	W	X									
5		MW040D	5/1/16	1023	1	W	X									
6		MW040S/D	5/1/16	1027	1	W	X									
7		MW064S	5/1/16	1400	1	W	X									
8		MW064M	5/1/16	1359	1	W	X									
9		MW064D	5/1/16	1402	1	W	X									
10		MW101S	5/1/16	0929	1	W	X									

Turnaround Time Required (Business Days)
 ___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days 15 Days ___ Other
 Requested Due Date _____

Sample Disposal
 Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <i>Ryan Swennen</i>	Company TYCO	Date 5-6-16	Time 13:00	Received By <i>[Signature]</i>	Company TAL	Date 05/09/16	Time 1030
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: _____
 Shipped:
 Hand Delivered: _____

Matrix Key
 WW - Wastewater SE - Sediment
 W - Water SO - Soil
 S - Soil L - Leachate
 SL - Sludge WI - Wipe
 MS - Miscellaneous DW - Drinking Water
 OL - Oil O - Other
 A - Air

Client Comments: _____
 Lab Comments: _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Report To _____ (optional)
Contact: _____
Company: _____
Address: _____
Address: _____
Phone: _____
Fax: _____
E-Mail: _____

Bill To _____ (optional)
Contact: _____
Company: _____
Address: _____
Address: _____
Phone: _____
Fax: _____
PO#/Reference# _____

Chain of Custody Record

Lab Job #: 500-111319
Chain of Custody Number: _____
Page 2 of 3
Temperature °C of Cooler: _____

Client		Client Project #		Preservative		Parameter		Sampler		Project Location/State		Lab Project #		Lab PM		Preservative Key	
Tyco Fire Protection				Nitric Acid				Ryan Suennen / Jeff Danko		Marinette, WI						1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	Comments										
11		MW101 M	5/1/16	0915	1	W	X	Total Attached 20.7 EPA Method 20.7 Rev 4.4									
12		MW102 S	5/1/16	1452	1	W	X										
13		MW102 M	5/1/16	1451	1	W	X										
14		MW102 D	5/1/16	1453	1	W	X										
15		MW102 D / D	5/1/16	1454	1	W	X										
16		MW105 S	5/1/16	1144	1	W	X										
17		MW105 M	5/1/16	1522	1	W	X										
18		MW105 D	5/1/16	1518	1	W	X										
19	X	MW041 S	5/2/16	1502	3	W	X										
20		MW041 M	5/2/16	1459	1	W	X										

Turnaround Time Required (Business Days)
 ___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days 15 Days ___ Other
 Requested Due Date _____

Sample Disposal
 Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <i>Rene Suenna</i>	Company TYCO	Date 5-6-16	Time 13:00	Received By <i>[Signature]</i>	Company TAL	Date 05/09/16	Time 1030	Lab Courier
Relinquished By	Company	Date	Time	Received By	Company	Date	Time	Shipped <input checked="" type="checkbox"/>
Relinquished By	Company	Date	Time	Received By	Company	Date	Time	Hand Delivered <input type="checkbox"/>

Matrix Key
 WW - Wastewater SE - Sediment
 W - Water SO - Soil
 S - Soil L - Leachate
 SL - Sludge WL - Wipe
 MS - Miscellaneous DW - Drinking Water
 OL - Oil O - Other
 A - Air

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional) _____
Contact: _____
Company: _____
Address: _____
Address: _____
Phone: _____
Fax: _____
E-Mail: _____

Bill To (optional) _____
Contact: _____
Company: _____
Address: _____
Address: _____
Phone: _____
Fax: _____
PO#/Reference# _____

Chain of Custody Record

Lab Job #: 500-111319
Chain of Custody Number: _____
Page 3 of 3
Temperature °C of Cooler: -

Client		Client Project #		Preservative		Parameter		Matrix		Preservative Key 1. HCL, Cool to 4° 2. H2SO4, Cool to 4° 3. HNO3, Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. NaHSO4 7. Cool to 4° 8. None 9. Other	
Project Name		Lab Project #		Sampler		Lab PM		Total As EPA Method 200.7 Rev 4.4			
Project Location/State		Lab Project #		Sampler		Lab PM					
Lab ID	MS/MSD	Sample ID	Date	Time	# of Containers	Matrix	Comments				
21		MW047S	5/2/16	0952	1	W	X				
22		MW047M	5/2/16	0956	1	W	X				
23		MW047D	5/2/16	1008	1	W	X				
24	X	MW100S	5/2/16	0904	3	W	X				
25		MW100M	5/2/16	0852	1	W	X				
26		MW100D	5/2/16	0850	1	W	X				
27		MW103S	5/2/16	1206	1	W	X				
28		MW103M	5/2/16	1206	1	W	X				
29		MW104S	5/2/16	1416	1	W	X				
30		MW104M	5/2/16	1405	1	W	X				

Turnaround Time Required (Business Days)

1 Day 2 Days 5 Days 7 Days 10 Days 15 Days Other

Requested Due Date _____

Sample Disposal

Return to Client Disposal by Lab Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By <i>Ryan Suennen</i>	Company TYCO	Date 5-6-16	Time	Received By <i>[Signature]</i>	Company TAL	Date 05/09/16	Time 1030
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: _____
Shipped:
Hand Delivered: _____

Matrix Key

WW - Wastewater SE - Sediment
W - Water SO - Soil
S - Soil L - Leachate
SL - Sludge WI - Wipe
MS - Miscellaneous DW - Drinking Water
OL - Oil O - Other
A - Air

Client Comments

Lab Comments:

Login Sample Receipt Checklist

Client: Tyco Fire Protection Products

Job Number: 500-111319-1

Login Number: 111319
List Number: 1
Creator: Kelsey, Shawn M

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Attachment 4
Visual Barrier Wall Inspection Summary
Quarter 2 2016

Quarter 2 Spring Vertical Barrier Wall Inspection Summary

The 2016 Quarter 2 Vertical Barrier Wall Visual Inspection was performed by Ryan Suennen of Tyco. The inspection was completed on 5/19/16. The Inspection observations are below. There were no repeat findings from the 2015 fall inspection, all issues identified during that inspection have been repaired and resolved.

Observation 1



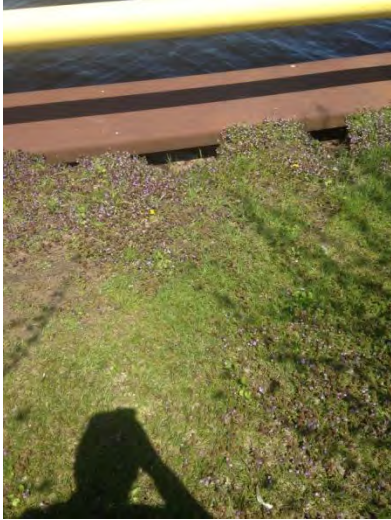
The signs denoting the dredging and anchoring restrictions are missing from their designated areas. The signs will be replaced and anchored more securely.

Observation 2



It appears as though there has been some river water overtopping the wall in some locations in the wetlands area of the site caused by exceptionally high river levels in the spring of the year. At this point there is no indications that this should be a concern going forward, but river water coming over the wall will contribute to some surface water infiltration to the wetland area. The groundwater level in this area is primarily maintained by the phyto plot in that cell.

Observation 3



There were limited areas where settling of soils occurred along the river wall which should be backfilled until flush with the surrounding grade. This has been a trend that has consistently improved with time since the installation of the wall. This occurrence is attributed to soil settling into voids in the rip rap which was placed as fill along the inside of the river wall during its installation.

Attachment 5
Cover Area Inspection Summary
Quarter 2 2016

Quarter 2 Spring Cover Area Inspection Summary

The 2016 Quarter 2 Cover Area Inspection was performed by Ryan Suennen of Tyco. The inspection was completed on 5/19/16. The cover areas were all observed as being in good shape, however there were two areas as noted below within the Salt Vault cover area that need to be sealed.

Observation 1



Area on the eastern side of the salt vault requires sealing due to apparent frost heave damage.

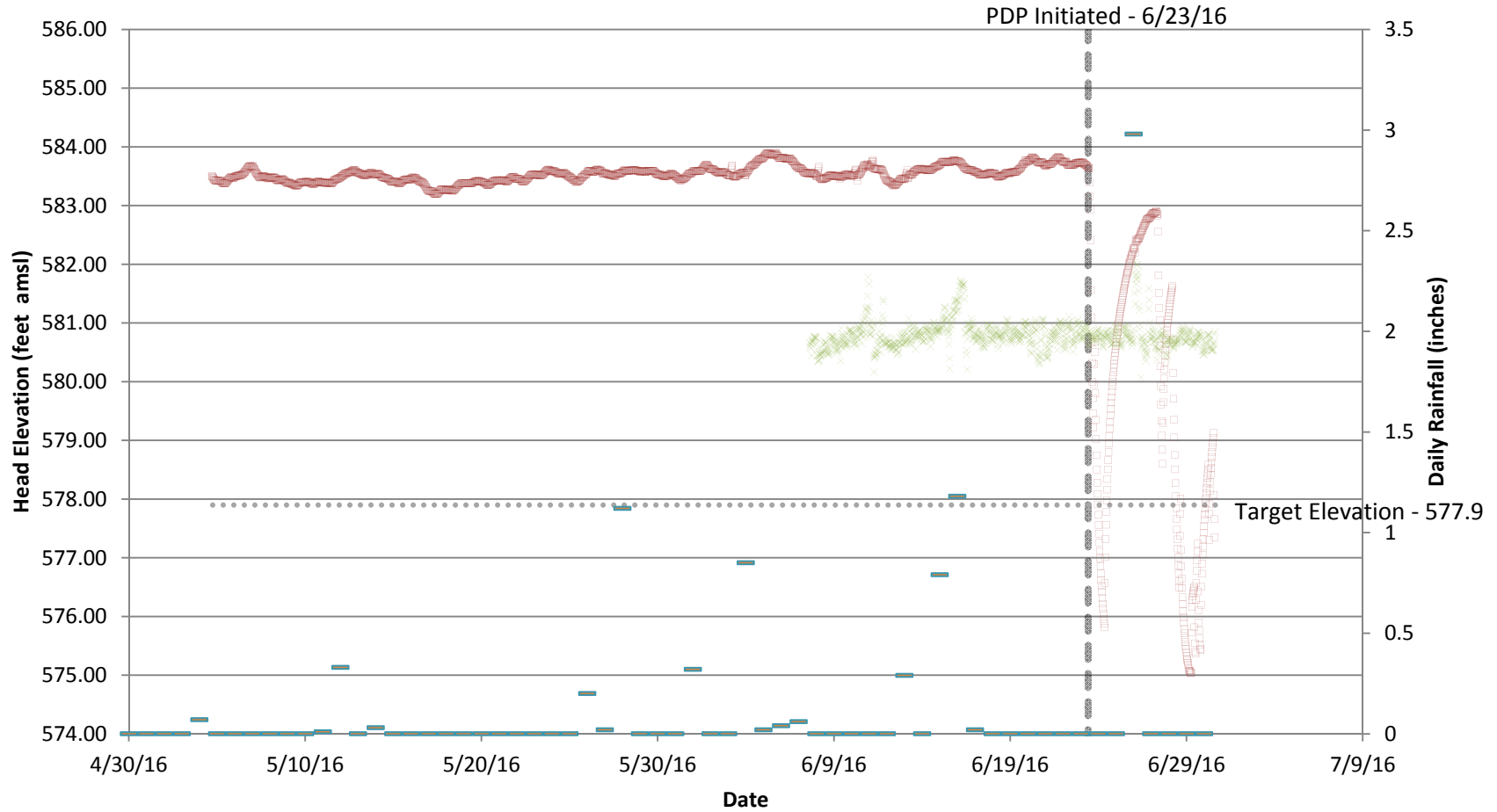
Observation 2



One location along the river wall requires sealing due to apparent settling of material.

Attachment 6
Transducer Data Graphs

**Figure 1a - Former Salt Vault: MW115S/MW119D Well Cluster
Tyco Fire Products LP, Marinette, Wisconsin**



Notes:

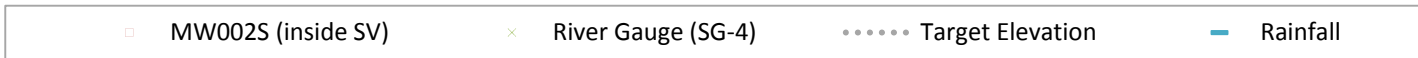
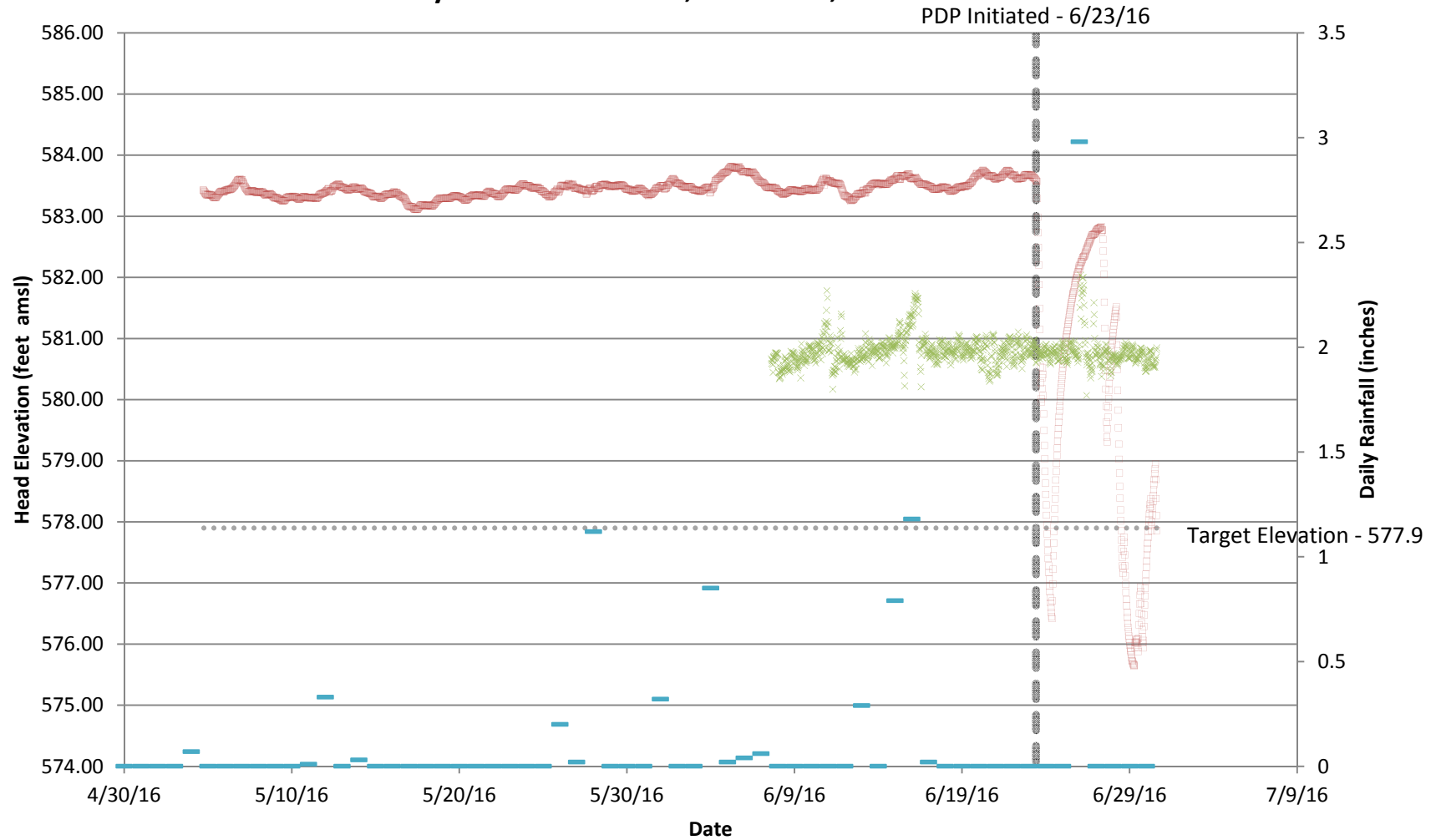
Bedrock well MW119D has shown very poor communication with water bearing fractures since it was installed at the end of 2015; the ~6 foot increase in the water level observed within this well on 6/23/16 is the results of rainwater entering the well casing during rainfall events occurring between 6/15/16 and 6/17/16.

feet amsl = feet above mean sea level in Wisconsin State Plane Coordinate System, North American Vertical Datum (NAVD) 1988

PDP = Pump Down Program; SV = former Salt Vault

Rainfall Source = <http://www.usclimatedata.com/climate/marinette/wisconsin/united-states/uswi0422>

Figure 1b - Former Salt Vault: MW002S
Tyco Fire Products LP, Marinette, Wisconsin



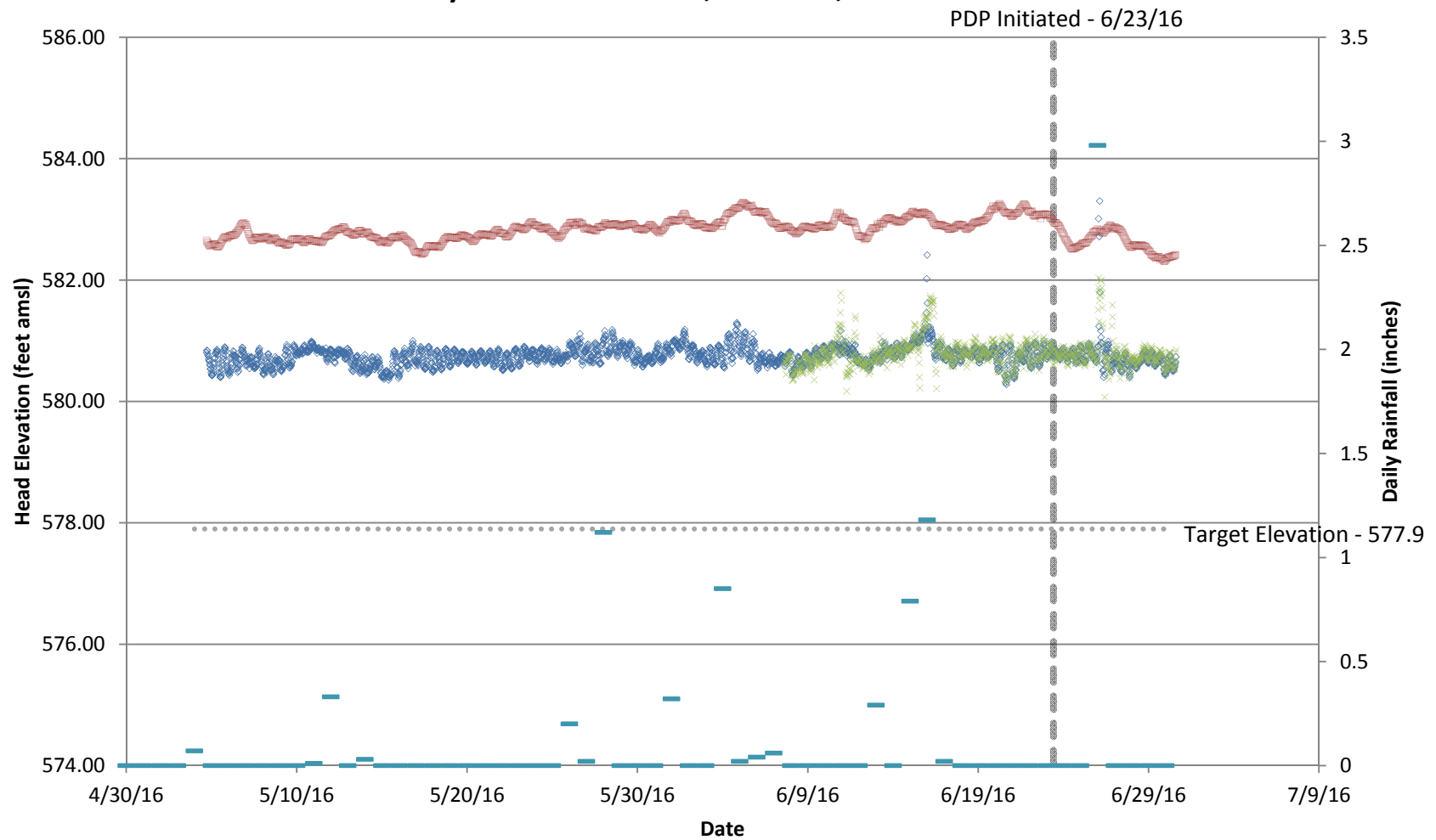
Notes:

feet amsl = feet above mean sea level in Wisconsin State Plane Coordinate System, North American Vertical Datum (NAVD) 1988

PDP = Pump Down Program; SV = former Salt Vault

Rainfall Source = <http://www.usclimatedata.com/climate/marinette/wisconsin/united-states/uswi0422>

**Figure 2 - Former 8th Street Slip: MW120 Well Cluster
Tyco Fire Products LP, Marintte, Wisconsin**



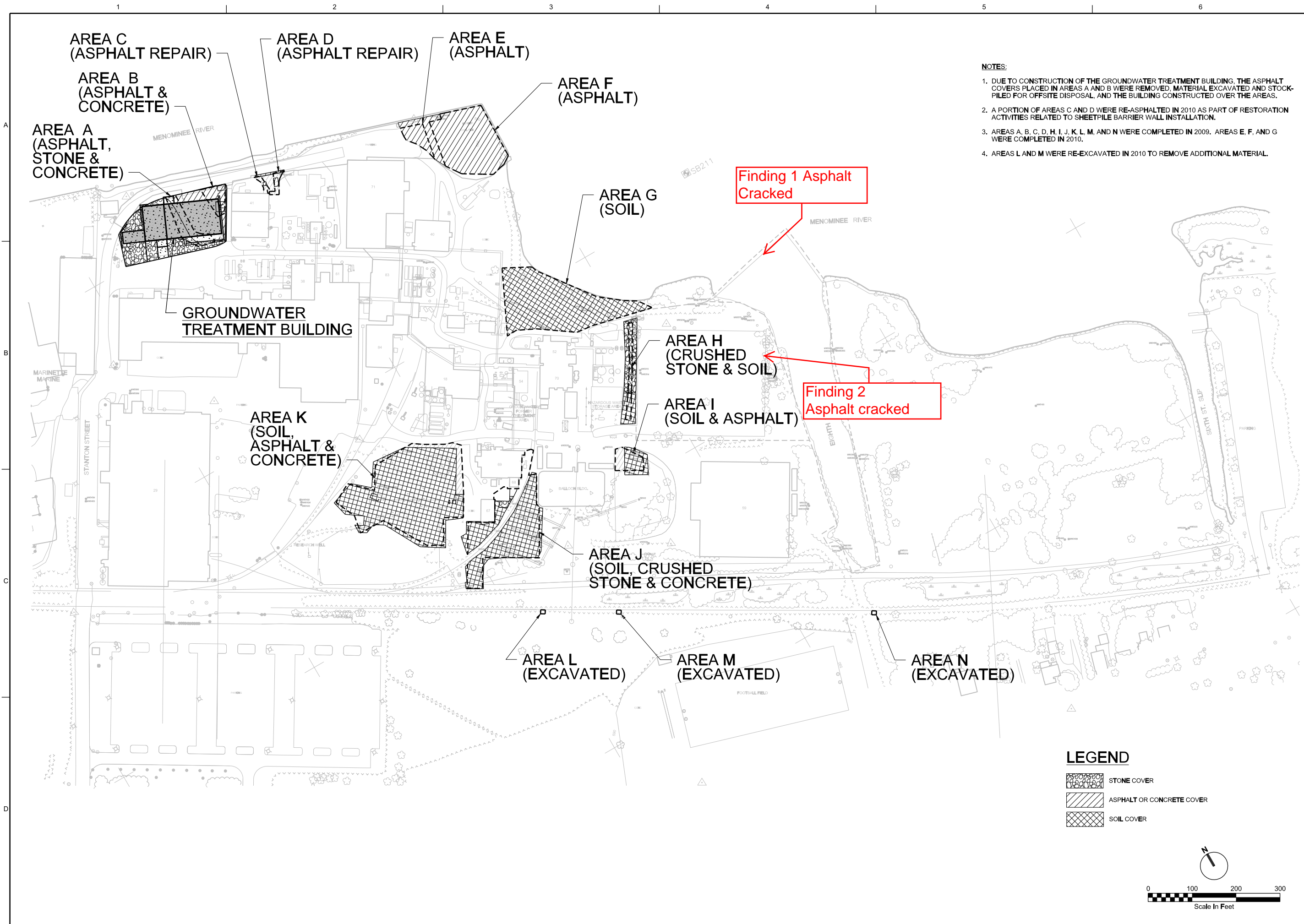
Notes:

feet amsl = feet above mean sea level in Wisconsin State Plane Coordinate System, North American Vertical Datum (NAVD) 1988

PDP = Pump Down Program; 8SS = former 8th Street Slip

Rainfall Source = <http://www.usclimatedata.com/climate/marinette/wisconsin/united-states/uswi0422>

Figures




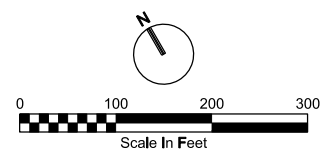
- NOTES:**
1. DUE TO CONSTRUCTION OF THE GROUNDWATER TREATMENT BUILDING, THE ASPHALT COVERS PLACED IN AREAS A AND B WERE REMOVED, MATERIAL EXCAVATED AND STOCK-PILED FOR OFFSITE DISPOSAL, AND THE BUILDING CONSTRUCTED OVER THE AREAS.
 2. A PORTION OF AREAS C AND D WERE RE-ASPHALTED IN 2010 AS PART OF RESTORATION ACTIVITIES RELATED TO SHEETPILE BARRIER WALL INSTALLATION.
 3. AREAS A, B, C, D, H, I, J, K, L, M, AND N WERE COMPLETED IN 2009. AREAS E, F, AND G WERE COMPLETED IN 2010.
 4. AREAS L AND M WERE RE-EXCAVATED IN 2010 TO REMOVE ADDITIONAL MATERIAL.

Finding 1 Asphalt Cracked

Finding 2 Asphalt cracked

LEGEND

-  STONE COVER
-  ASPHALT OR CONCRETE COVER
-  SOIL COVER



CH2MHILL

Figure 1 Cover
AREA LOCATION MAP

1" = 200'	
VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING.	
DATE	DECEMBER 2010
PROJ	388522
REVISION 1	

PRELIMINARY
 FILENAME: CCR-Fig01_Overall.dgn PLOT DATE: 12/16/2010 PLOT TIME: 10:43:11 AM
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 DSGN T. CHAPMAN DR G. BOWLES CHK J. DANKO APVD H. ZIEGELBAUER

