1268024

FULL INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

LABORATORY NAME :	CHEMTECH CONSULTING GROUP, INC.		
CITY / STATE :	MOUNTAINSIDE, NJ		
CASE NO :	41926	SDG NO :	MH30S4
SDG NOs TO FOLLOW			
NRAS NO :			
CONTRACT NO :	EPW09038		
SOW NO :	ISM01.3		

All documents delivered in the Complete SDG File must be original documents where possible. (Reference - Exhibit B Section 2.6)

		PAGE NOS: FROM	TO	CHECK LAB	REGION
1.	Inventory Sheet (DC-2)	1	2	✓	
2.	SDG Narrative	3	5	✓	
3.	Sample Log-In Sheet (DC-1)	6	7	✓	
4.	Traffic Report/Chain of Custody Record(s)	8	10	✓	
5.	Cover Page	11	12	✓	
	Inorganic Analysis				
6.	Data Sheet (Form IA-IN)	13	28	✓	
7.	Initial & Continuing Calibration Verification (Form IIA-IN)	29	35	✓	
8.	Blanks (Form III-IN)	36	41	✓	
9.	ICP-AES Interference Check Sample (Form IVA-IN)	42	43	✓	
10.	ICP-MS Interference Check Sample (Form IVB-IN)				
11.	Matrix Spike Sample Recovery (Form VA-IN)	44	44	✓	
12.	Post-Digestion Spike Sample Recovery (Form VB-IN)	45	45	✓	
13.	Duplicates (Form VI-IN)	46	46	✓	
14.	Laboratory Control Sample (Form VII-IN)	47	47	✓	
15.	ICP-AES and ICP-MS Serial Dilutions (Form VIII-IN)	48	48	✓	
16.	Method Detection Limits (Annually) (Form IX-IN)	49	50	✓	
17.	ICP-AES Interelement Correction Factors (Annually) (Form XA-IN)	51	51	✓	
18.	ICP-AES Interelement Correction Factor (Annually) (Form XB-IN)	52	56	✓	
19.	Internal Standard Association (Form XI-IN)				
20.	Preparation Log (Form XII-IN)	57	57	✓	
21.	Analysis Run Log (Form XIII-IN)	58	65	✓	
22.	ICP-MS Tune (Form XIV-IN)				
23.	ICP-MS Internal Standards Relative Intensity Summary (Form XV-IN)				
24.	Initial Calibration (Form XVI-IN)	66	69	✓	
25.	ICP-AES Raw Data	70	710	✓	
26.	ICP-MS Raw Data				
27.	Mercury Raw Data				

28.	Cyanide Raw Data				
29.	Preparation Logs Raw Data	711	713	✔	
30.	Percent Solids Determination Log	714	714	✔	
31.	**USEPA Shipping/Receiving Documents**				
	Airbill (No. of Shipments) 2	715	716	✔	
	Sample Tags (*In a Plastic Bag w/ Page #*)				
	Sample Log-In Sheet (Lab)	717	718	✔	
32.	Misc. Shipping/Receiving Records				
	(list all individual records)				
	Telephone log	719	720	✔	
	PE Instuction Page				
	Modified Analysis Page				
33.	Internal Lab Sample Transfer Records &				
	Tracking Sheets (describe or list)				
	Internal Lab COC	721	721	✔	
	Miscellaneous				
34.	Internal Original Sample Prep &				
	Analysis Records (describe or list)				
	Prep Records				
	Analysis Records				
	Description				
35.	Other Records (describe or list) Communications Log				

36. Comments :

Completed By :

(CLP Lab) Mildred V Reyes (Signature) **Mildred V. Reyes,Document Control Officer** (Print Name & Title) 11/23/11 (Date)

Audited By :

(USEPA) (Signature) (Print Name & Title) (Date)

FORM DC-2-2 ISM01.3

CHEMTECH
284 Sheffield Street
Mountainside, NJ 07092

SDG NARRATIVE

USEPA
SDG # MH30S4
CASE # 41926
CONTRACT # EPW09038
LAB NAME: CHEMTECH CONSULTING GROUP
LAB CODE: CHEM
CHEMTECH PROJECT #C4462

A. Number of Samples and Date of Receipt

16 Soil Samples were delivered to the laboratory intact on 10/29/11 & 11/03/11.

B. Parameters

Test requested for Metals CLP FULL = Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc.

C. Cooler Temp

Indicator Bottle: **Presence**/Absence
Cooler: 4°C & 6°C

D. Detail Documentation (related to Sample Handling Shipping, Analytical Problem, Temp of Cooler etc):

Issue 1: The laboratory received the following samples with less than 50% solids:
MH3BB7 40.6%
MH3BB8 33.2%
MH3BC0 39.0%
MH3BC1 23.0%
MH3BC2 44.9%
MH3BC3 42.5%
MH3BC4 37.8%
MH3BC7 26.0%
MH3BC9 27.0%

Issue 2: No sample was designated for laboratory QC or they indicated that laboratory QC is not required on the TR/COC. Per scheduling, laboratory QC is required.

Issue 3: Sample tags were not received with samples at the laboratory. Sample tag numbers may or may not be listed on the TR/COC.

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Mountainside, NJ 07092

E. Corrective Action taken for above:

Resolution 1: In accordance with previous direction from Region 8, the laboratory will proceed with the analysis of the samples and note the issue in the SDG Narrative. In addition, the laboratory will report the results on a dry weight basis using the percent solids determined by the laboratory. The resolution will be applied to all samples received for this Case with less than 50% solids.

Resolution 2: In accordance with previous direction from Region 8, the laboratory will select a sample for laboratory QC as long as the sample is not a PE, blank, or rinsate sample and laboratory QC can be performed at full volume. The laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples.

Resolution 3: In accordance with previous direction from Region 8, the laboratory will note the issue in the SDG Narrative, and proceed with the analysis of the sample. The Resolution will be applied to all samples received for this Case.

F. Analytical Techniques:

All analyses were based on CLP Methodology by method ISM01.3

G. Calculation:

Calculation example for ICP-AES Soil Sample:

Conversion of Results from mg/L or ppm to mg/kg (Dry Weight Basis):

Results reported in Mg/Kg = (Result in mg/L or ppm for ICP-AES) X 1000 X Fraction of % Solid (100/ % Solid) X Dilution Factor (if any) X Fraction of Sample Amount Taken in ICP-Soil Prep.

Example of Fraction of Sample Amount Taken in ICP-AES Soil Prep = 1/10 (1.0 X10 or 0.50 X 20)
(if 1.0 g of sample taken during Digestion and the Final Volume was made to 100 ml or 0.5 g to Final Volume 50ml)

Or

Example of Fraction of Sample Amount Taken in ICP-AES Soil Prep = 1/10.2 (1.02 X 10 or 0.51 X 20)
(if 1.02 g of sample taken during Digestion and the Final Volume was made to 100 ml or 0.51 g to Final Volume 50ml)

Etc.

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284 Sheffield Street
Mountainside, NJ 07092

H. QA/ QC

Calibrations met requirements. Interference check met requirements. Blank analyses did not indicate any presence of contamination. Laboratory Control sample was within control limits. Spike sample did meet requirements except for Antimony, Barium, Beryllium, Chromium, Cobalt, Copper, Lead, Nickel, Selenium, Vanadium and Zinc. Duplicate sample did meet requirements. Serial Dilution did meet requirements except for Calcium, Lead and Potassium.

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

Signature Mildred V Reyes Name: Mildred V. Reyes

Date 11/23/11 Title: Document Control Officer

SAMPLE LOG-IN SHEET

Lab Name CHEMTECH CONSULTING GROUP

Received By (Print Name) Palak Shah	Log-in Date **10/29/2011**
Received By (Signature) Palak Shah	
Case Number 41926	Sample Delivery Group No. MH30S4 — NRAS Number N/A

Remarks:

1. Custody Seal(s) — Present/Absent* — Intact/Broken
2. Custody Seal Nos. — N/A
3. Traffic Reports/Chain Of Custody Records or Packing Lists — Present/Absent*
4. Airbill — Airbill/Sticker Present/Absent*
5. Airbill No. — 8768287382 32
6. Sample Tags Sample Tag # — Present/Absent* — Listed/Not Listed On TR/ Chain-of-Custody
7. Sample Condition — Intact/Broken*/Leaking
8. Cooler Temperature Indicator Bottle — Present/Absent*
9. Cooler Temperature — 6°C
10. Does information on custody records, traffic reports, and sample tags agree? — Yes/No*
11. Date Received at Lab — 10/29/11
12. Time Received — 10:34

Corresponding

EPA Sample #	Aqueous Sample pH	Sample Tag #	Lab #	Remarks: Condition of Sample shipment, etc.
MH30S4	N/A	No Tags	C4462-01	On ice intact
MH30S5			C4462-02	

Sample Transfer

Fraction	Fraction METALS
Area #	Area # A12
By	By Ken Rivera
On	On 10/29/11

* Contact SMO and attach record of resolution

Reviewed By Suchi Mehta	Logbook No.
Date 10/29/11	Logbook Page

SAMPLE LOG-IN SHEET

Lab Name CHEMTECH CONSULTING GROUP

Page 1 of 1

Received By (Print Name) Palak Shah	Log-in Date **11/3/2011**
Received By (Signature) Palak Shah	
Case Number 41926	Sample Delivery Group No. MH30S4 — NRAS Number N/A

Remarks:

1. Custody Seal(s) — Present/Absent* Intact/Broken
2. Custody Seal Nos. — N/A
3. Traffic Reports/Chain Of Custody Records or Packing Lists — Present/Absent*
4. Airbill — Airbill/Sticker Present/Absent*
5. Airbill No. — 8739617603 64
6. Sample Tags Sample Tag # — Present/Absent* Listed/Not Listed On TR/ Chain-of-Custody
7. Sample Condition — Intact/Broken*/Leaking
8. Cooler Temperature Indicator Bottle — Present/Absent*
9. Cooler Temperature — 4C
10. Does information on custody records, traffic reports, and sample tags agree? — Yes/No*
11. Date Received at Lab — 11/3/11
12. Time Received — 9:15

Corresponding

EPA Sample #	Aqueous Sample pH	Sample Tag #	igned Lab #	Remarks: Condition of Sample shipment, etc.
MH3BB7	N/A	NO TAG	C4462-03	On ice intact
MH3BB8			C4462-04	
MH3BB9			C4462-05	
MH3BC0			C4462-06	
MH3BC1			C4462-07	
MH3BC2			C4462-08	
MH3BC3			C4462-09	
MH3BC4			C4462-10	
MH3BC5			C4462-11	
MH3BC5D			C4462-12	
MH3BC5S			C4462-13	
MH3BC6			C4462-14	
MH3BC7			C4462-15	
MH3BC8			C4462-16	
MH3BC9			C4462-17	
MH3BD0			C4462-18	

Sample Transfer

Fraction	Fraction Metals
Area #	Area # A12
By	By Palak Shah
On	On 11/3/11

* Contact SMO and attach record of resolution

Reviewed By	Logbook No.
Date	Logbook Page

FORM DC-1

ISM01.2

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Sample Delivery Group (SDG) Cover Sheet

SDG Number	MH3SS4	Case Number	41926	Contract Number	EPW09038
Lab Code	CHEM	SDG Turnaround	21 days	Delivery CLIN(s)	—

First Sample Received in SDG	MH3SS4	Last Sample Received in SDG	MH3BD0
First Sample Receipt Date	10/29/2011 10:34:00 AM	Last Sample Receipt Date	11/3/2011 9:15:00 AM

USEPA Sample Numbers in SDG (Listed in Numerical Order)

CLP Sample ID	Sample Type	Requested Analytical CLIN(s)/SubCLIN(s)	Solicitation Number	MA Number(s)
MH3SS4	Field Sample	0009C	NONE	NONE
MH3SS5	Field Sample	0009C		
MH3BB7	Field Sample	0009C		
MH3BB8	Field Sample	0009C		
MH3BB9	Field Sample	0009C		
MH3BC0	Field Sample	0009C		
MH3BC1	Field Sample	0009C		
MH3BC2	Field Sample	0009C		
MH3BC3	Field Sample	0009C		
MH3BC4	Field Sample	0009C		
MH3BC5	Field Sample	0009C		
MH3BC5D	Field Sample	0009C		
MH3BC5S	Field Sample	0009C		
MH3BC6	Field Sample	0009C		
MH3BC7	Field Sample	0009C		
MH3BC8	Field Sample	0009C		
MH3BC9	Field Sample	0009C		
MH3BD0	Field Sample	0009C		

Note: *There are a maximum of 20* ***field*** *samples (excluding PE samples) in an SDG. Attach TR/COC Records to this form in alphanumeric order (the order listed above on this form).*

Signature Sneha Mehta Date 11/4/11

SDG# ~~MH3058~~ MH3054

USEPA
DateShipped: 10/26/2011
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD
Site #: 41926
Contact Name: Jeff Miller
Contact Phone: 720-219-7891

No: 8-102711-173437-0005
Cooler #:
Lab: ChemTech Consulting Group
Lab Phone: 908-789-8900

Lab #	CLP Sample #	Analyses	Matrix	Collected	Sample Time	Preservative	MS/MSD
	MH30Q0	Metals	Soil	10/26/2011	09:05		
	MH30Q1	Metals	Soil	10/25/2011	14:47		
	MH30Q2	Metals	Soil	10/25/2011	15:15		
	MH30Q3	Metals	Soil	10/25/2011	15:40		
	MH30Q4	Metals	Soil	10/25/2011	17:10		
	MH30Q6	Metals	Soil	10/25/2011	16:50		
	MH30Q8	Metals	Soil	10/26/2011	13:00		
	MH30Q9	Metals	Soil	10/26/2011	13:45		
	MH30R0	Metals	Soil	10/26/2011	17:05		
	MH30R1	Metals	Soil	10/26/2011	16:30		
	MH30S4	Metals	Soil	10/25/2011	09:55		
	MH30S5	Metals	Soil	10/25/2011	10:36		
	MH30X0	Metals	Ground Water	10/26/2011	09:30	HNO3 pH<2	
	MH30X1	Metals	Ground Water	10/26/2011	10:30	HNO3 pH<2	
	MH30Y2	Metals	Ground Water	10/26/2011	10:55	HNO3 pH<2	
	MH30Y3	Metals	Ground Water	10/26/2011	12:05	HNO3 pH<2	
	MH30Y4	Metals	Ground Water	10/26/2011	15:05	HNO3 pH<2	
	MH30Y5	Metals	Ground Water	10/26/2011	17:05	HNO3 pH<2	
	MH30Y6	Metals	Ground Water	10/26/2011	18:20	HNO3 pH<2	
	MH30Z6	Metals	Ground Water	10/25/2011	16:05	HNO3 pH<2	

Copy
Original Documents are Included in Cooler MH3058
Signature: SNEHAL
Date: 10/29/11

Special Instructions: Results to jeff.miller@urs.com, amy.k.gray@urs.com

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #
NA

~~Temp~~ PS. 10/29/11

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	Jen Petrun	10/28/11	FedEx	10/28/11	830						
	Fedex	10/29/11	PS	10/29/11	10:34						

Temp: 6°C (EPA samples: MH3054 & MH3055 are in SDG# MH3054)
(EPA water samples listed on this page are in SDG# MH3058)

9

SDG # ~~MH3554~~ MH3054

USEPA
DateShipped: 11/1/2011
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD
Site #: 41926
Contact Name: Jeff Miller
Contact Phone: 720-810-0792

No: 8-110111-144130-0008
Cooler #: 8
Lab: ChemTech Consulting Group
Lab Phone: 908-789-8900
11/1/11

Lab #	Location	Analyses	Matrix	Collected	Sample Time	Preservative	MS/MSD
	SSSO0514	Metals	Soil	10/27/2011	10:10		
	SSSO0612	Metals	Soil	10/27/2011	11:10		
	SSSO0902	Metals	Soil	10/27/2011	14:10		
	SSSO0916	Metals	Soil	10/27/2011	13:50		
	SSSO1002	Metals	Soil	10/27/2011	17:45		
	SSSO1102	Metals	Soil	10/27/2011	15:40		
	SSSO1110	Metals	Soil	10/27/2011	16:00		
	SSSO1202	Metals	Soil	10/27/2011	17:20		
	SSSO1302	Metals	Soil	10/28/2011	16:40		Y
	SSSO1306	Metals	Soil	10/28/2011	10:45		
	SSSO1402	Metals	Soil	10/28/2011	13:30		Y
	SSSO1702	Metals	Soil	10/28/2011	18:25		
	SSSO8902	Metals	Soil	10/28/2011	13:30		
	SSSO9902	Metals	Soil	10/28/2011	16:40		
	SSSW89	Metals	Surface Water	10/29/2011	9:00	HNO3 pH<2	
	SSGW03	Metals	Ground Water	10/28/2011	9:10	HNO3 pH<2	
	SSGW04	Metals	Ground Water	10/27/2011	14:05	HNO3 pH<2	
	SSGW05	Metals	Ground Water	10/27/2011	17:25	HNO3 pH<2	
	SSGW07	Metals	Ground Water	10/28/2011	11:37	HNO3 pH<2	
	SSGW08	Metals	Ground Water	10/28/2011	18:50	HNO3 pH<2	

Special Instructions: Results to jeff.miller@urs.com, amy.k.gray@urs.com

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY # NA

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[signature]	Nov 2, 2011	FEDEX				Fedex	11/3/11	PS	11/3/11	9:15

Temp: 4°C

(See e-mail & excel table for client sample IDs)

Metals

COVER PAGE

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No: 41926 Mod. Ref. No.: _____ SDG No: MH30S4

SOW No.: ISM01.3

EPA Sample No.	Lab Sample ID
MH30S4	C4462-01
MH30S5	C4462-02
MH3BB7	C4462-03
MH3BB8	C4462-04
MH3BB9	C4462-05
MH3BC0	C4462-06
MH3BC1	C4462-07
MH3BC2	C4462-08
MH3BC3	C4462-09
MH3BC4	C4462-10
MH3BC5	C4462-11
MH3BC5D	C4462-12
MH3BC5S	C4462-13
MH3BC6	C4462-14
MH3BC7	C4462-15
MH3BC8	C4462-16
MH3BC9	C4462-17

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)	YES	N/A
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)	YES	N/A
If yes, were raw data generated before application of background corrections?	(Yes/No)	NO	N/A

The laboratory did not receive any instructions with this SDG to modify the SOW standard laboratory sample preparation procedures (e.g., subsampling). To aid in the determination of data usability with respect to project decisions, any modifications performed are described below.

Comments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy Data Package and in the electronic data submitted has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Mildred V Reyes Name: MILDRED REYES

Date: 11/23/11 Title: DCOUMENT CONTROL OFFICER

Metals

COVER PAGE

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No: 41926 Mod. Ref. No.: _____ SDG No: MH30S4

SOW No.: ISM01.3

EPA Sample No.	Lab Sample ID
MH3BD0	C4462-18

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)	YES	N/A
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)	YES	N/A
If yes, were raw data generated before application of background corrections?	(Yes/No)	NO	N/A

The laboratory did not receive any instructions with this SDG to modify the SOW standard laboratory sample preparation procedures (e.g., subsampling). To aid in the determination of data usability with respect to project decisions, any modifications performed are described below.

Comments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy Data Package and in the electronic data submitted has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Mildred V Reyes Name: MILDRED REYES

Date: 11/23/11 Title: DCOUMENT CONTROL OFFICER

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH30S4

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Matrix: SOIL Lab Sample ID: C4462-01

% Solids: 62.3 Date Received: 10/29/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9130			P
7440-36-0	Antimony	0.70	J	N	P
7440-38-2	Arsenic	2.5			P
7440-39-3	Barium	306		N	P
7440-41-7	Beryllium	0.67		N	P
7440-43-9	Cadmium	0.94			P
7440-70-2	Calcium	6760		E	P
7440-47-3	Chromium	14.7		N	P
7440-48-4	Cobalt	3.5	J	N	P
7440-50-8	Copper	18.4		N	P
7439-89-6	Iron	10400			P
7439-92-1	Lead	11.8		NE	P
7439-95-4	Magnesium	6400			P
7439-96-5	Manganese	238			P
7440-02-0	Nickel	8.3		N	P
7440-09-7	Potassium	2610		E	P
7782-49-2	Selenium	4.0	U	N	P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	1010			P
7440-28-0	Thallium	2.9	U		P
7440-62-2	Vanadium	12.1		N	P
7440-66-6	Zinc	72.3		N	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH30S5

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Matrix: SOIL Lab Sample ID: C4462-02

% Solids: 79.7 Date Received: 10/29/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6610			P
7440-36-0	Antimony	0.41	J	N	P
7440-38-2	Arsenic	1.4			P
7440-39-3	Barium	158		N	P
7440-41-7	Beryllium	0.38	J	N	P
7440-43-9	Cadmium	0.55			P
7440-70-2	Calcium	1880		E	P
7440-47-3	Chromium	9.5		N	P
7440-48-4	Cobalt	2.2	J	N	P
7440-50-8	Copper	26.8		N	P
7439-89-6	Iron	8000			P
7439-92-1	Lead	8.9		NE	P
7439-95-4	Magnesium	3020			P
7439-96-5	Manganese	98.2			P
7440-02-0	Nickel	5.2		N	P
7440-09-7	Potassium	1500		E	P
7782-49-2	Selenium	3.3	U	N	P
7440-22-4	Silver	0.95	U		P
7440-23-5	Sodium	1060			P
7440-28-0	Thallium	2.4	U		P
7440-62-2	Vanadium	10.8		N	P
7440-66-6	Zinc	58.6		N	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3BB7

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Matrix: SOIL Lab Sample ID: C4462-03

% Solids: 40.6 Date Received: 11/03/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3550			P
7440-36-0	Antimony	0.45	J	N	P
7440-38-2	Arsenic	3.0			P
7440-39-3	Barium	355		N	P
7440-41-7	Beryllium	0.10	J	N	P
7440-43-9	Cadmium	1.6			P
7440-70-2	Calcium	283000		ED	P
7440-47-3	Chromium	14.7		N	P
7440-48-4	Cobalt	0.72	J	N	P
7440-50-8	Copper	16.2		N	P
7439-89-6	Iron	2600			P
7439-92-1	Lead	6.7		NE	P
7439-95-4	Magnesium	6370			P
7439-96-5	Manganese	870			P
7440-02-0	Nickel	10.0		N	P
7440-09-7	Potassium	674	J	E	P
7782-49-2	Selenium	6.4	U	N	P
7440-22-4	Silver	0.58	J		P
7440-23-5	Sodium	4400			P
7440-28-0	Thallium	4.6	U		P
7440-62-2	Vanadium	5.7	J	N	P
7440-66-6	Zinc	107		N	P

Color Before: GREY Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3BB8

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Matrix: SOIL Lab Sample ID: C4462-04

% Solids: 33.2 Date Received: 11/03/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2810			P
7440-36-0	Antimony	14.5	U	N	P
7440-38-2	Arsenic	3.9			P
7440-39-3	Barium	317		N	P
7440-41-7	Beryllium	1.2	U	N	P
7440-43-9	Cadmium	1.8			P
7440-70-2	Calcium	126000		ED	P
7440-47-3	Chromium	14.8		N	P
7440-48-4	Cobalt	0.48	J	N	P
7440-50-8	Copper	30.0		N	P
7439-89-6	Iron	1520			P
7439-92-1	Lead	7.7		NE	P
7439-95-4	Magnesium	7140			P
7439-96-5	Manganese	1220			P
7440-02-0	Nickel	11.4		N	P
7440-09-7	Potassium	559	J	E	P
7782-49-2	Selenium	0.69	J	N	P
7440-22-4	Silver	1.4	J		P
7440-23-5	Sodium	4100			P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	5.1	J	N	P
7440-66-6	Zinc	175		N	P

Color Before: GREY Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3BB9

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Matrix: SOIL Lab Sample ID: C4462-05

% Solids: 63.7 Date Received: 11/03/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1010			P
7440-36-0	Antimony	0.30	J	N	P
7440-38-2	Arsenic	2.3			P
7440-39-3	Barium	281		N	P
7440-41-7	Beryllium	0.59	U	N	P
7440-43-9	Cadmium	0.74			P
7440-70-2	Calcium	242000		ED	P
7440-47-3	Chromium	11.7		N	P
7440-48-4	Cobalt	0.24	J	N	P
7440-50-8	Copper	14.9		N	P
7439-89-6	Iron	960			P
7439-92-1	Lead	2.2		NE	P
7439-95-4	Magnesium	5350			P
7439-96-5	Manganese	598			P
7440-02-0	Nickel	8.0		N	P
7440-09-7	Potassium	497	J	E	P
7782-49-2	Selenium	0.48	J	N	P
7440-22-4	Silver	0.48	J		P
7440-23-5	Sodium	10100			P
7440-28-0	Thallium	2.9	U		P
7440-62-2	Vanadium	2.4	J	N	P
7440-66-6	Zinc	80.0		N	P

Color Before: GREY Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3BC0

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Matrix: SOIL Lab Sample ID: C4462-06

% Solids: 39.0 Date Received: 11/03/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4580			P
7440-36-0	Antimony	11.2	U	N	P
7440-38-2	Arsenic	3.3			P
7440-39-3	Barium	393		N	P
7440-41-7	Beryllium	0.14	J	N	P
7440-43-9	Cadmium	1.4			P
7440-70-2	Calcium	198000		ED	P
7440-47-3	Chromium	25.5		N	P
7440-48-4	Cobalt	0.95	J	N	P
7440-50-8	Copper	25.6		N	P
7439-89-6	Iron	3380			P
7439-92-1	Lead	10.2		NE	P
7439-95-4	Magnesium	9090			P
7439-96-5	Manganese	717			P
7440-02-0	Nickel	25.9		N	P
7440-09-7	Potassium	1080		E	P
7782-49-2	Selenium	1.2	J	N	P
7440-22-4	Silver	0.57	J		P
7440-23-5	Sodium	9420			P
7440-28-0	Thallium	4.7	U		P
7440-62-2	Vanadium	14.9		N	P
7440-66-6	Zinc	128		N	P

Color Before: GREY Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3BC1

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Matrix: SOIL Lab Sample ID: C4462-07

% Solids: 23.0 Date Received: 11/03/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2660			P
7440-36-0	Antimony	0.47	J	N	P
7440-38-2	Arsenic	2.8			P
7440-39-3	Barium	386		N	P
7440-41-7	Beryllium	0.06	J	N	P
7440-43-9	Cadmium	2.6			P
7440-70-2	Calcium	103000		ED	P
7440-47-3	Chromium	9.6		N	P
7440-48-4	Cobalt	0.85	J	N	P
7440-50-8	Copper	34.6		N	P
7439-89-6	Iron	1160			P
7439-92-1	Lead	6.2		NE	P
7439-95-4	Magnesium	4990			P
7439-96-5	Manganese	1050			P
7440-02-0	Nickel	6.9		N	P
7440-09-7	Potassium	577		E	P
7782-49-2	Selenium	0.76	J	N	P
7440-22-4	Silver	1.2			P
7440-23-5	Sodium	6180			P
7440-28-0	Thallium	1.9	U		P
7440-62-2	Vanadium	2.7	J	N	P
7440-66-6	Zinc	197		N	P

Color Before: GREY Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3BC2

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Matrix: SOIL Lab Sample ID: C4462-08

% Solids: 44.9 Date Received: 11/03/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2450			P
7440-36-0	Antimony	1.2	J	N	P
7440-38-2	Arsenic	3.4			P
7440-39-3	Barium	314		N	P
7440-41-7	Beryllium	0.94	U	N	P
7440-43-9	Cadmium	12.7			P
7440-70-2	Calcium	148000		ED	P
7440-47-3	Chromium	12.8		N	P
7440-48-4	Cobalt	0.36	J	N	P
7440-50-8	Copper	20.4		N	P
7439-89-6	Iron	1490			P
7439-92-1	Lead	13.1		NE	P
7439-95-4	Magnesium	3180			P
7439-96-5	Manganese	797			P
7440-02-0	Nickel	11.8		N	P
7440-09-7	Potassium	420	J	E	P
7782-49-2	Selenium	1.2	J	N	P
7440-22-4	Silver	0.78	J		P
7440-23-5	Sodium	3840			P
7440-28-0	Thallium	4.7	U		P
7440-62-2	Vanadium	8.2	J	N	P
7440-66-6	Zinc	197		N	P

Color Before: GREY Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3BC3

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Matrix: SOIL Lab Sample ID: C4462-09

% Solids: 42.5 Date Received: 11/03/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3800			P
7440-36-0	Antimony	0.86	J	N	P
7440-38-2	Arsenic	5.4			P
7440-39-3	Barium	475		N	P
7440-41-7	Beryllium	0.12	J	N	P
7440-43-9	Cadmium	2.6			P
7440-70-2	Calcium	183000		ED	P
7440-47-3	Chromium	18.7		N	P
7440-48-4	Cobalt	0.87	J	N	P
7440-50-8	Copper	21.0		N	P
7439-89-6	Iron	2720			P
7439-92-1	Lead	9.1		NE	P
7439-95-4	Magnesium	4830			P
7439-96-5	Manganese	1180			P
7440-02-0	Nickel	5.8	J	N	P
7440-09-7	Potassium	841	J	E	P
7782-49-2	Selenium	0.99	J	N	P
7440-22-4	Silver	0.49	J		P
7440-23-5	Sodium	4280			P
7440-28-0	Thallium	4.4	U		P
7440-62-2	Vanadium	4.4	J	N	P
7440-66-6	Zinc	137		N	P

Color Before: GREY Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3BC4

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Matrix: SOIL Lab Sample ID: C4462-10

% Solids: 37.8 Date Received: 11/03/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4230			P
7440-36-0	Antimony	0.73	J	N	P
7440-38-2	Arsenic	4.6			P
7440-39-3	Barium	644		N	P
7440-41-7	Beryllium	0.10	J	N	P
7440-43-9	Cadmium	12.1			P
7440-70-2	Calcium	190000		ED	P
7440-47-3	Chromium	26.3		N	P
7440-48-4	Cobalt	1.6	J	N	P
7440-50-8	Copper	68.4		N	P
7439-89-6	Iron	3250			P
7439-92-1	Lead	11.2		NE	P
7439-95-4	Magnesium	6820			P
7439-96-5	Manganese	1990			P
7440-02-0	Nickel	17.0		N	P
7440-09-7	Potassium	541	J	E	P
7782-49-2	Selenium	1.0	J	N	P
7440-22-4	Silver	2.6			P
7440-23-5	Sodium	7670			P
7440-28-0	Thallium	4.8	U		P
7440-62-2	Vanadium	3.1	J	N	P
7440-66-6	Zinc	441		N	P

Color Before: GREY Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3BC5

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Matrix: SOIL Lab Sample ID: C4462-11

% Solids: 56.2 Date Received: 11/03/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5180			P
7440-36-0	Antimony	1.5	J	N	P
7440-38-2	Arsenic	1.8	U		P
7440-39-3	Barium	675		N	P
7440-41-7	Beryllium	0.10	J	N	P
7440-43-9	Cadmium	3.6			P
7440-70-2	Calcium	200000		ED	P
7440-47-3	Chromium	23.2		N	P
7440-48-4	Cobalt	1.2	J	N	P
7440-50-8	Copper	52.3		N	P
7439-89-6	Iron	2520			P
7439-92-1	Lead	15.9		NE	P
7439-95-4	Magnesium	6250			P
7439-96-5	Manganese	1870			P
7440-02-0	Nickel	21.2		N	P
7440-09-7	Potassium	796	J	E	P
7782-49-2	Selenium	4.2	J	N	P
7440-22-4	Silver	1.8			P
7440-23-5	Sodium	5260			P
7440-28-0	Thallium	4.4	U		P
7440-62-2	Vanadium	8.6	J	N	P
7440-66-6	Zinc	328		N	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3BC6

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Matrix: SOIL Lab Sample ID: C4462-14

% Solids: 73.7 Date Received: 11/03/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10200			P
7440-36-0	Antimony	0.43	J	N	P
7440-38-2	Arsenic	2.0			P
7440-39-3	Barium	204		N	P
7440-41-7	Beryllium	0.81		N	P
7440-43-9	Cadmium	0.73			P
7440-70-2	Calcium	2660		E	P
7440-47-3	Chromium	11.8		N	P
7440-48-4	Cobalt	3.7	J	N	P
7440-50-8	Copper	16.6		N	P
7439-89-6	Iron	12700			P
7439-92-1	Lead	9.2		NE	P
7439-95-4	Magnesium	4760			P
7439-96-5	Manganese	104			P
7440-02-0	Nickel	8.3		N	P
7440-09-7	Potassium	1800		E	P
7782-49-2	Selenium	3.4	U	N	P
7440-22-4	Silver	0.96	U		P
7440-23-5	Sodium	1240			P
7440-28-0	Thallium	2.4	U		P
7440-62-2	Vanadium	15.5		N	P
7440-66-6	Zinc	37.1		N	P

Color Before: GREY Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3BC7

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Matrix: SOIL Lab Sample ID: C4462-15

% Solids: 26.0 Date Received: 11/03/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6090			P
7440-36-0	Antimony	1.9	J	N	P
7440-38-2	Arsenic	9.4			P
7440-39-3	Barium	671		N	P
7440-41-7	Beryllium	0.13	J	N	P
7440-43-9	Cadmium	5.7			P
7440-70-2	Calcium	107000		ED	P
7440-47-3	Chromium	18.1		N	P
7440-48-4	Cobalt	1.3	J	N	P
7440-50-8	Copper	42.3		N	P
7439-89-6	Iron	3030			P
7439-92-1	Lead	18.0		NE	P
7439-95-4	Magnesium	6040			P
7439-96-5	Manganese	1470			P
7440-02-0	Nickel	11.0		N	P
7440-09-7	Potassium	1170		E	P
7782-49-2	Selenium	1.1	J	N	P
7440-22-4	Silver	1.1			P
7440-23-5	Sodium	4920			P
7440-28-0	Thallium	2.0	U		P
7440-62-2	Vanadium	25.3		N	P
7440-66-6	Zinc	304		N	P

Color Before: GREY Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3BC8

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Matrix: SOIL Lab Sample ID: C4462-16

% Solids: 69.6 Date Received: 11/03/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3720			P
7440-36-0	Antimony	1.7	J	N	P
7440-38-2	Arsenic	6.4			P
7440-39-3	Barium	383		N	P
7440-41-7	Beryllium	0.47	J	N	P
7440-43-9	Cadmium	3.7			P
7440-70-2	Calcium	211000		ED	P
7440-47-3	Chromium	45.1		N	P
7440-48-4	Cobalt	5.4		N	P
7440-50-8	Copper	90.1		N	P
7439-89-6	Iron	32900		D	P
7439-92-1	Lead	61.7		NE	P
7439-95-4	Magnesium	6830			P
7439-96-5	Manganese	536			P
7440-02-0	Nickel	80.3		N	P
7440-09-7	Potassium	467	J	E	P
7782-49-2	Selenium	3.7	U	N	P
7440-22-4	Silver	1.1	U		P
7440-23-5	Sodium	4500			P
7440-28-0	Thallium	2.7	U		P
7440-62-2	Vanadium	6.7		N	P
7440-66-6	Zinc	425		N	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3BC9

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Matrix: SOIL Lab Sample ID: C4462-17

% Solids: 27.0 Date Received: 11/03/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7630			P
7440-36-0	Antimony	2.6	J	N	P
7440-38-2	Arsenic	12.3			P
7440-39-3	Barium	748		N	P
7440-41-7	Beryllium	0.16	J	N	P
7440-43-9	Cadmium	7.0			P
7440-70-2	Calcium	116000		ED	P
7440-47-3	Chromium	20.1		N	P
7440-48-4	Cobalt	1.6	J	N	P
7440-50-8	Copper	47.4		N	P
7439-89-6	Iron	3400			P
7439-92-1	Lead	20.1		NE	P
7439-95-4	Magnesium	7380			P
7439-96-5	Manganese	1580			P
7440-02-0	Nickel	11.6		N	P
7440-09-7	Potassium	1410		E	P
7782-49-2	Selenium	1.2	J	N	P
7440-22-4	Silver	1.1			P
7440-23-5	Sodium	5880			P
7440-28-0	Thallium	2.2	U		P
7440-62-2	Vanadium	32.8		N	P
7440-66-6	Zinc	357		N	P

Color Before: GREY Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3BD0

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Matrix: SOIL Lab Sample ID: C4462-18

% Solids: 57.2 Date Received: 11/03/2011

Concentration Units (ug/L, ug, or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3270			P
7440-36-0	Antimony	0.40	J	N	P
7440-38-2	Arsenic	3.2			P
7440-39-3	Barium	654		N	P
7440-41-7	Beryllium	0.09	J	N	P
7440-43-9	Cadmium	2.1			P
7440-70-2	Calcium	182000		ED	P
7440-47-3	Chromium	29.7		N	P
7440-48-4	Cobalt	1.3	J	N	P
7440-50-8	Copper	58.3		N	P
7439-89-6	Iron	4050			P
7439-92-1	Lead	14.6		NE	P
7439-95-4	Magnesium	4320			P
7439-96-5	Manganese	1560			P
7440-02-0	Nickel	16.3		N	P
7440-09-7	Potassium	510	J	E	P
7782-49-2	Selenium	0.82	J	N	P
7440-22-4	Silver	1.4			P
7440-23-5	Sodium	3810			P
7440-28-0	Thallium	3.5	U		P
7440-62-2	Vanadium	6.7	J	N	P
7440-66-6	Zinc	248		N	P

Color Before: GREY Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

Metals

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: MP7894

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum	2521.0	2465.67	98	155000.0	146613.30	95	148638.20	96	P
Antimony	994.0	910.49	92	5000.0	4623.09	92	4785.90	96	P
Arsenic	999.0	937.47	94	5000.0	4637.62	93	4784.56	96	P
Barium	497.0	510.05	103	10000.0	9520.19	95	9686.13	97	P
Beryllium	495.0	473.04	96	500.0	470.01	94	465.53	93	P
Cadmium	496.0	491.77	99	2500.0	2375.77	95	2369.11	95	P
Calcium	10026.0	10280.07	103	250000.0	239809.30	96	239440.70	96	P
Chromium	490.0	488.85	100	15500.0	14549.81	94	14863.66	96	P
Cobalt	499.0	486.82	98	2500.0	2362.47	94	2387.69	96	P
Copper	492.0	493.42	100	15000.0	14540.72	97	14878.25	99	P
Iron	5082.0	5088.61	100	150000.0	139531.40	93	139838.50	93	P
Lead	1002.0	993.61	99	25000.0	23484.27	94	23796.41	95	P
Magnesium	6074.0	5479.88	90	250000.0	228573.20	91	227922.50	91	P
Manganese	499.0	522.52	105	15000.0	14289.55	95	14249.10	95	P
Nickel	503.0	506.23	101	2500.0	2368.59	95	2383.80	95	P
Potassium	10021.0	9554.89	95	150000.0	140589.60	94	143844.40	96	P
Selenium	1029.0	938.25	91	5000.0	4653.29	93	4853.90	97	P
Silver	501.0	449.84	90	1250.0	1151.97	92	1166.78	93	P
Sodium	10097.0	9776.82	97	150000.0	141747.50	94	143632.10	96	P
Thallium	1028.0	1075.02	105	5000.0	4741.16	95	4809.51	96	P
Vanadium	501.0	509.71	102	2500.0	2389.49	96	2401.21	96	P
Zinc	1025.0	981.55	96	15000.0	14132.72	94	14327.03	96	P

(1) Control Limits: Mercury 85-115; Other Metals 90-110; Cyanide 85-115

Metals

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: MP7894

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				155000.0	147473.30	95	147759.60	95	P
Antimony				5000.0	4833.86	97	4934.05	99	P
Arsenic				5000.0	4812.81	96	4910.97	98	P
Barium				10000.0	9814.14	98	9600.64	96	P
Beryllium				500.0	459.01	92	459.18	92	P
Cadmium				2500.0	2352.44	94	2370.12	95	P
Calcium				250000.0	237744.80	95	236332.30	95	P
Chromium				15500.0	14734.89	95	14866.63	96	P
Cobalt				2500.0	2390.00	96	2410.70	96	P
Copper				15000.0	14761.89	98	14816.81	99	P
Iron				150000.0	139330.80	93	138279.50	92	P
Lead				25000.0	23854.49	95	24046.05	96	P
Magnesium				250000.0	226545.50	91	225320.50	90	P
Manganese				15000.0	14127.88	94	14025.21	94	P
Nickel				2500.0	2379.24	95	2404.99	96	P
Potassium				150000.0	144121.60	96	144567.30	96	P
Selenium				5000.0	4925.56	99	5009.42	100	P
Silver				1250.0	1167.16	93	1177.88	94	P
Sodium				150000.0	142342.10	95	143163.40	95	P
Thallium				5000.0	4830.37	97	4893.77	98	P
Vanadium				2500.0	2375.91	95	2377.60	95	P
Zinc				15000.0	14282.69	95	14222.90	95	P

(1) Control Limits: Mercury 85-115; Other Metals 90-110; Cyanide 85-115

Metals

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: MP7894

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				155000.0	149534.00	96	150778.40	97	P
Antimony				5000.0	4950.26	99	4947.27	99	P
Arsenic				5000.0	4942.41	99	4947.48	99	P
Barium				10000.0	9794.88	98	9787.18	98	P
Beryllium				500.0	462.54	93	466.88	93	P
Cadmium				2500.0	2394.66	96	2412.00	96	P
Calcium				250000.0	238168.10	95	239795.60	96	P
Chromium				15500.0	14924.37	96	14962.90	97	P
Cobalt				2500.0	2437.10	97	2432.13	97	P
Copper				15000.0	14986.34	100	15031.50	100	P
Iron				150000.0	139603.60	93	139112.00	93	P
Lead				25000.0	24334.18	97	24180.96	97	P
Magnesium				250000.0	227912.10	91	227735.60	91	P
Manganese				15000.0	14111.54	94	14173.10	94	P
Nickel				2500.0	2422.31	97	2438.79	98	P
Potassium				150000.0	146927.90	98	146140.60	97	P
Selenium				5000.0	5068.87	101	4989.44	100	P
Silver				1250.0	1173.14	94	1184.80	95	P
Sodium				150000.0	144059.70	96	145727.50	97	P
Thallium				5000.0	4933.24	99	4924.92	98	P
Vanadium				2500.0	2396.00	96	2408.43	96	P
Zinc				15000.0	14634.47	98	14454.93	96	P

(1) Control Limits: Mercury 85-115; Other Metals 90-110; Cyanide 85-115

Metals

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: MP7894

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				155000.0	146940.60	95	151869.20	98	P
Antimony				5000.0	4950.66	99	4870.36	97	P
Arsenic				5000.0	4950.94	99	4867.86	97	P
Barium				10000.0	9650.58	97	9784.98	98	P
Beryllium				500.0	454.94	91	475.48	95	P
Cadmium				2500.0	2406.36	96	2404.06	96	P
Calcium				250000.0	230814.40	92	243335.20	97	P
Chromium				15500.0	14989.27	97	14878.81	96	P
Cobalt				2500.0	2420.55	97	2403.16	96	P
Copper				15000.0	14688.93	98	15070.22	100	P
Iron				150000.0			140066.10	93	P
Lead				25000.0	24015.80	96	23838.10	95	P
Magnesium				250000.0			230195.90	92	P
Manganese				15000.0	13709.49	91	14314.05	95	P
Nickel				2500.0	2435.99	97	2419.82	97	P
Potassium				150000.0	141325.80	94	145947.10	97	P
Selenium				5000.0	4962.80	99	4860.36	97	P
Silver				1250.0	1186.57	95	1187.96	95	P
Sodium				150000.0	141681.80	94	146754.90	98	P
Thallium				5000.0	4891.94	98	4849.76	97	P
Vanadium				2500.0	2344.07	94	2428.24	97	P
Zinc				15000.0	13635.69	91	14362.71	96	P

(1) Control Limits: Mercury 85-115; Other Metals 90-110; Cyanide 85-115

Metals

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: MP7894

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				155000.0	152789.10	99	152949.30	99	P
Antimony				5000.0	4882.35	98	4865.70	97	P
Arsenic				5000.0	4886.00	98	4856.32	97	P
Barium				10000.0	9898.08	99	9877.59	99	P
Beryllium				500.0	475.45	95	475.35	95	P
Cadmium				2500.0	2407.23	96	2393.92	96	P
Calcium				250000.0	243152.40	97	243214.50	97	P
Chromium				15500.0	14724.83	95	14657.20	95	P
Cobalt				2500.0	2404.46	96	2380.67	95	P
Copper				15000.0	15106.16	101	15078.83	101	P
Iron				150000.0	138973.40	93	138324.50	92	P
Lead				25000.0	23840.24	95	23507.34	94	P
Magnesium				250000.0	228667.00	91	227349.00	91	P
Manganese				15000.0	14282.97	95	14269.02	95	P
Nickel				2500.0	2424.98	97	2415.28	97	P
Potassium				150000.0	146045.00	97	145377.30	97	P
Selenium				5000.0	4856.96	97	4786.37	96	P
Silver				1250.0	1181.76	95	1186.51	95	P
Sodium				150000.0	147817.90	99	147967.40	99	P
Thallium				5000.0	4847.27	97	4802.93	96	P
Vanadium				2500.0	2435.95	97	2429.11	97	P
Zinc				15000.0	14287.91	95	14114.47	94	P

(1) Control Limits: Mercury 85-115; Other Metals 90-110; Cyanide 85-115

Metals

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: MP7894

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Antimony	994.0	933.89	94	5000.0	4724.54	94	4829.49	97	P
Barium	497.0	525.33	106	10000.0	10062.49	101	9956.78	100	P
Beryllium	495.0	479.87	97	500.0	468.85	94	474.26	95	P
Calcium	10026.0	10440.75	104	250000.0	245777.30	98	242892.80	97	P
Chromium	490.0	490.95	100	15500.0	14489.04	93	14810.77	96	P
Cobalt	499.0	491.08	98	2500.0	2394.03	96	2386.01	95	P
Copper	492.0	504.93	103	15000.0	14728.44	98	14871.34	99	P
Iron	5082.0	5205.16	102	150000.0	141575.60	94	142482.60	95	P
Lead	1002.0	1004.49	100	25000.0	23819.13	95	23676.93	95	P
Nickel	503.0	509.01	101	2500.0	2385.82	95	2400.07	96	P
Selenium	1029.0	964.60	94	5000.0	4758.84	95	4777.45	96	P
Vanadium	501.0	517.59	103	2500.0	2416.10	97	2426.61	97	P
Zinc	1025.0	987.48	96	15000.0	14032.43	94	13882.35	93	P

(1) Control Limits: Mercury 85-115; Other Metals 90-110; Cyanide 85-115

Metals

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: MP7894

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Antimony				5000.0	4789.58	96	4759.64	95	P
Barium				10000.0	9891.68	99	9717.05	97	P
Beryllium				500.0	472.02	94	463.90	93	P
Calcium				250000.0	243462.60	97	238477.10	95	P
Chromium				15500.0	14639.19	94	14355.62	93	P
Cobalt				2500.0	2376.91	95	2367.46	95	P
Copper				15000.0	14653.36	98	14393.08	96	P
Iron				150000.0	141036.70	94	138489.50	92	P
Lead				25000.0	23584.72	94	23511.90	94	P
Nickel				2500.0	2385.25	95	2375.42	95	P
Selenium				5000.0	4754.73	95	4744.71	95	P
Vanadium				2500.0	2398.60	96	2357.04	94	P
Zinc				15000.0	14201.37	95	13919.53	93	P

(1) Control Limits: Mercury 85-115; Other Metals 90-110; Cyanide 85-115

Metals

3-IN
BLANKS

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: _____ SDG No.: MH30S4

Preparation Blank Matrix (soil/water/wipe/filter): SOIL

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

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Aluminum	200.000	U	9.029	J	200.000	U	45.845	J	20.000	U	P
Antimony	60.000	U	60.000	U	60.000	U	1.927	J	6.000	U	P
Arsenic	10.000	U	10.000	U	10.000	U	10.000	U	1.000	U	P
Barium	200.000	U	200.000	U	200.000	U	200.000	U	-0.140	J	P
Beryllium	5.000	U	5.000	U	5.000	U	5.000	U	0.500	U	P
Cadmium	5.000	U	5.000	U	5.000	U	0.658	J	0.500	U	P
Calcium	5000.000	U	5000.000	U	5000.000	U	58.729	J	500.000	U	P
Chromium	-1.006	J	10.000	U	1.227	J	4.087	J	1.000	U	P
Cobalt	50.000	U	50.000	U	50.000	U	0.734	J	5.000	U	P
Copper	25.000	U	25.000	U	25.000	U	25.000	U	2.500	U	P
Iron	100.000	U	22.373	J	12.920	J	57.222	J	10.000	U	P
Lead	10.000	U	10.000	U	10.000	U	8.429	J	1.000	U	P
Magnesium	5000.000	U	5000.000	U	5000.000	U	62.610	J	500.000	U	P
Manganese	15.000	U	15.000	U	15.000	U	4.122	J	1.500	U	P
Nickel	40.000	U	40.000	U	40.000	U	40.000	U	4.000	U	P
Potassium	5000.000	U	5000.000	U	105.863	J	136.509	J	7.848	J	P
Selenium	35.000	U	35.000	U	35.000	U	35.000	U	3.500	U	P
Silver	10.000	U	10.000	U	10.000	U	10.000	U	1.000	U	P
Sodium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	500.000	U	P
Thallium	25.000	U	4.948	J	5.084	J	5.409	J	2.500	U	P
Vanadium	50.000	U	0.334	J	0.509	J	1.021	J	0.037	J	P
Zinc	60.000	U	60.000	U	60.000	U	60.000	U	6.000	U	P

Metals

3-IN
BLANKS

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: _____ SDG No.: MH30S4

Preparation Blank Matrix (soil/water/wipe/filter): _____

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

Analyte	Initial Calibration Blank(ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			8.701	J	200.000	U	9.183	J			P
Antimony			60.000	U	60.000	U	60.000	U			P
Arsenic			10.000	U	10.000	U	10.000	U			P
Barium			200.000	U	200.000	U	200.000	U			P
Beryllium			5.000	U	5.000	U	5.000	U			P
Cadmium			5.000	U	5.000	U	5.000	U			P
Calcium			5000.000	U	5000.000	U	5000.000	U			P
Chromium			10.000	U	10.000	U	10.000	U			P
Cobalt			50.000	U	50.000	U	50.000	U			P
Copper			25.000	U	25.000	U	25.000	U			P
Iron			15.621	J	18.912	J	18.333	J			P
Lead			10.000	U	10.000	U	10.000	U			P
Magnesium			5000.000	U	5000.000	U	5000.000	U			P
Manganese			15.000	U	15.000	U	15.000	U			P
Nickel			40.000	U	40.000	U	40.000	U			P
Potassium			100.710	J	104.690	J	5000.000	U			P
Selenium			35.000	U	35.000	U	35.000	U			P
Silver			10.000	U	10.000	U	10.000	U			P
Sodium			5000.000	U	153.998	J	5000.000	U			P
Thallium			2.783	J	2.858	J	4.018	J			P
Vanadium			1.061	J	1.027	J	1.224	J			P
Zinc			60.000	U	60.000	U	60.000	U			P

Metals

3-IN
BLANKS

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: _____ SDG No.: MH30S4

Preparation Blank Matrix (soil/water/wipe/filter): _____

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

Analyte	Initial Calibration Blank(ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			10.587	J	11.307	J	11.065	J			P
Antimony			60.000	U	60.000	U	60.000	U			P
Arsenic			10.000	U	10.000	U	10.000	U			P
Barium			200.000	U	200.000	U	200.000	U			P
Beryllium			5.000	U	5.000	U	5.000	U			P
Cadmium			5.000	U	5.000	U	5.000	U			P
Calcium			5000.000	U	5000.000	U	5000.000	U			P
Chromium			10.000	U	10.000	U	10.000	U			P
Cobalt			50.000	U	50.000	U	50.000	U			P
Copper			25.000	U	25.000	U	25.000	U			P
Iron					21.267	J	23.526	J			P
Lead			10.000	U	10.000	U	10.000	U			P
Magnesium					5000.000	U	5000.000	U			P
Manganese			15.000	U	15.000	U	15.000	U			P
Nickel			40.000	U	40.000	U	40.000	U			P
Potassium			5000.000	U	5000.000	U	5000.000	U			P
Selenium			35.000	U	35.000	U	35.000	U			P
Silver			10.000	U	10.000	U	10.000	U			P
Sodium			5000.000	U	5000.000	U	5000.000	U			P
Thallium			4.944	J	3.094	J	3.545	J			P
Vanadium			2.006	J	0.637	J	0.986	J			P
Zinc			60.000	U	60.000	U	60.000	U			P

Metals

3-IN
BLANKS

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: _____ SDG No.: MH30S4

Preparation Blank Matrix (soil/water/wipe/filter): _____

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

Analyte	Initial Calibration Blank(ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			200.000	U							P
Antimony			60.000	U							P
Arsenic			10.000	U							P
Barium			200.000	U							P
Beryllium			5.000	U							P
Cadmium			5.000	U							P
Calcium			5000.000	U							P
Chromium			10.000	U							P
Cobalt			50.000	U							P
Copper			25.000	U							P
Iron			24.801	J							P
Lead			10.000	U							P
Magnesium			5000.000	U							P
Manganese			15.000	U							P
Nickel			40.000	U							P
Potassium			5000.000	U							P
Selenium			35.000	U							P
Silver			10.000	U							P
Sodium			5000.000	U							P
Thallium			3.575	J							P
Vanadium			1.497	J							P
Zinc			60.000	U							P

Metals

3-IN
BLANKS

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: _____ SDG No.: MH30S4

Preparation Blank Matrix (soil/water/wipe/filter): _____

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

Analyte	Initial Calibration Blank(ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Antimony	60.000	U	60.000	U	60.000	U	60.000	U			P
Barium	200.000	U	200.000	U	200.000	U	200.000	U			P
Beryllium	5.000	U	5.000	U	5.000	U	5.000	U			P
Calcium	5000.000	U	5000.000	U	5000.000	U	5000.000	U			P
Chromium	10.000	U	10.000	U	10.000	U	10.000	U			P
Cobalt	50.000	U	50.000	U	50.000	U	50.000	U			P
Copper	25.000	U	25.000	U	25.000	U	25.000	U			P
Iron	11.047	J	25.330	J	16.276	J	22.874	J			P
Lead	10.000	U	10.000	U	10.000	U	10.000	U			P
Nickel	40.000	U	40.000	U	40.000	U	40.000	U			P
Selenium	4.422	J	4.615	J	3.008	J	35.000	U			P
Vanadium	0.728	J	50.000	U	0.882	J	50.000	U			P
Zinc	60.000	U	60.000	U	60.000	U	60.000	U			P

Metals

3-IN
BLANKS

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: _____ SDG No.: MH30S4

Preparation Blank Matrix (soil/water/wipe/filter): _____

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

Analyte	Initial Calibration Blank(ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Antimony			60.000	U							P
Barium			200.000	U							P
Beryllium			5.000	U							P
Calcium			5000.000	U							P
Chromium			10.000	U							P
Cobalt			50.000	U							P
Copper			25.000	U							P
Iron			17.283	J							P
Lead			10.000	U							P
Nickel			40.000	U							P
Selenium			35.000	U							P
Vanadium			1.484	J							P
Zinc			60.000	U							P

Metals

4A-IN

ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

ICP-AES Instrument ID: P5 ICS Source: EPA-1206

Concentration Units: ug/L

Analyte	True Sol.A	True Sol.AB	Found Sol.A	Found %R	Found Sol. AB	Found %R
Aluminum	244100.0	241100.0	235000	96	242000	100
Antimony	0.0	589.0	2.6	0	563	96
Arsenic	0.0	101.0	4.2	0	101	100
Barium	2.0	495.0	2.7	135	503	102
Beryllium	0.0	475.0	1.8	0	489	103
Cadmium	0.0	940.0	4.4	0	993	106
Calcium	234900.0	231100.0	248000	106	255000	110
Chromium	43.0	511.0	43.2	100	527	103
Cobalt	4.0	461.0	2.6	65	489	106
Copper	23.0	548.0	20.1	87	507	93
Iron	95600.0	94800.0	93100	97	95100	100
Lead	10.0	61.0	11.5	115	61.9	101
Magnesium	247500.0	251100.0	235000	95	241000	96
Manganese	19.0	502.0	23.2	122	527	105
Nickel	21.0	984.0	18.8	90	1020	104
Selenium	0.0	53.0	-0.80	0	47.0	89
Silver	0.0	206.0	-2.1	0	201	98
Thallium	0.0	103.0	-0.51	0	102	99
Vanadium	0.0	494.0	3.3	0	494	100
Zinc	28.0	1028.0	30.3	108	1010	98

Metals

4A-IN

ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

ICP-AES Instrument ID: P5 ICS Source: EPA-1206

Concentration Units: ug/L

Analyte	True Sol.A	True Sol.AB	Found Sol.A	Found %R	Found Sol. AB	Found %R
Aluminum	244100.0	241100.0	238000	98	241000	100
Antimony	0.0	589.0	2.6	0	576	98
Arsenic	0.0	101.0	1.5	0	97.8	97
Barium	2.0	495.0	4.3	215	511	103
Beryllium	0.0	475.0	1.9	0	494	104
Cadmium	0.0	940.0	4.1	0	998	106
Calcium	234900.0	231100.0	256000	109	256000	111
Chromium	43.0	511.0	43.7	102	531	104
Cobalt	4.0	461.0	3.1	78	492	107
Copper	23.0	548.0	24.6	107	513	94
Iron	95600.0	94800.0	96000	100	96700	102
Lead	10.0	61.0	10.2	102	63.3	104
Magnesium	247500.0	251100.0	243000	98	242000	96
Manganese	19.0	502.0	23.6	124	531	106
Nickel	21.0	984.0	19.3	92	1030	105
Selenium	0.0	53.0	-6.7	0	43.8	83
Silver	0.0	206.0	-2.7	0	203	99
Thallium	0.0	103.0	0.47	0	98.9	96
Vanadium	0.0	494.0	4.3	0	501	101
Zinc	28.0	1028.0	33.2	119	1020	99

Metals

5A-IN

MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MH3BC5S

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Matrix: SOIL

% Solids for Sample: 56.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75 - 125	23.3114		1.4881	J	35.59	61	N	P
Arsenic	75 - 125	16.7991		1.7794	U	14.23	118		P
Barium	75 - 125	1102.0510		674.6415		711.74	60	N	P
Beryllium	75 - 125	12.3806		0.1041	J	17.79	69	N	P
Cadmium	75 - 125	17.2421		3.6280		17.79	77		P
Chromium	75 - 125	69.6696		23.2045		71.17	65	N	P
Cobalt	75 - 125	125.5045		1.1723	J	177.94	70	N	P
Copper	75 - 125	111.3342		52.3358		88.97	66	N	P
Lead	75 - 125	20.1811		15.8943		7.12	60	N	P
Manganese		1732.5350		1873.3060		177.94	-79		P
Nickel	75 - 125	141.5321		21.2283		177.94	68	N	P
Selenium	75 - 125	15.5358		4.2041	J	17.79	64	N	P
Silver	75 - 125	18.6581		1.8417		17.79	95		P
Thallium	75 - 125	14.2130		4.4484	U	17.79	80		P
Vanadium	75 - 125	136.1700		8.6351	J	177.94	72	N	P
Zinc	75 - 125	407.1908		328.0642		177.94	44	N	P

Comments:

Metals

5B-IN

POST-DIGESTION SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MH3BC5A

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Matrix: SOIL

Concentration Units: (ug/L or mg/Kg dry weight): mg/kg

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Barium		2038.40		613.56		1352.3	105.4		P
Beryllium		3.20		0.50	U	14.2	22.5		P
Chromium		69.09		20.38		46.3	105.2		P
Cobalt		28.83		5.00	U	7.1	406.1		P
Copper		155.38		54.99		105.0	95.6		P
Lead		58.10		14.33	J	32.0	136.8		P
Nickel		71.65		18.50	J	42.7	124.5		P
Selenium		15.25		9.51	J	21.4	26.8		P
Thallium		4.45	U	2.50	U	355.9	0.0		P
Vanadium		35.95		8.83	J	17.8	152.4		P
Zinc		991.95		300.05		658.4	105.1		P

Comments:

Metals

6-IN

DUPLICATES

EPA SAMPLE NO.

MH3BC5D

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: _____ SDG No.: MH30S4

Matrix: SOIL

% Solids for Sample: 56.2

Concentration Units:(ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		5180.5070		5214.3240		1		P
Antimony		1.4881	J	1.0467	J	35		P
Arsenic	1.7794	1.7794	U	5.6916		0		P
Barium		674.6415		677.0704		0		P
Beryllium		0.1041	J	0.1069	J	3		P
Cadmium	0.8897	3.6280		3.5481		2		P
Calcium		200482.4000		188452.3000		6		P
Chromium		23.2045		23.0198		1		P
Cobalt		1.1723	J	1.4014	J	18		P
Copper		52.3358		56.2385		7		P
Iron		2518.0290		2601.8490		3		P
Lead		15.8943		16.9276		6		P
Magnesium		6253.7270		6315.8130		1		P
Manganese		1873.3060		1933.6670		3		P
Nickel	7.1174	21.2283		20.9156		1		P
Potassium		795.5112	J	773.3785	J	3		P
Selenium		4.2041	J	1.2436	J	109		P
Silver	1.7794	1.8417		2.1402		15		P
Sodium		5257.8080		4732.7610		11		P
Thallium		4.4484	U	4.4484	U			P
Vanadium		8.6351	J	8.6027	J	0		P
Zinc		328.0642		358.0712		9		P

7 - IN
LABORATORY CONTROL SAMPLE

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Analyte	Aqueous/Water (ug/L), Soil Sediment (mg/Kg), Wipe/Filter (ug)		
	True	Found	%R
Aluminum	40.0	38.5	96
Antimony	12.0	11.5	96
Arsenic	2.0	2.0	100
Barium	40.0	40.8	102
Beryllium	1.0	0.95	95
Cadmium	1.0	1.00	100
Calcium	1000.0	987.5	99
Chromium	2.0	1.99	100
Cobalt	10.0	9.1	91
Copper	5.0	4.9	98
Iron	20.0	21.3	106
Lead	2.0	2.3	115
Magnesium	1000.0	899.0	90
Manganese	3.0	3.3	110
Nickel	8.0	7.97	100
Potassium	1000.0	961.9	96
Selenium	7.0	7.0	100
Silver	2.0	1.95	98
Sodium	1000.0	981.9	98
Thallium	5.0	5.4	108
Vanadium	10.0	9.5	95
Zinc	12.0	11.8	98

8-IN

ICP-AES and ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

MH3BC5L

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Matrix: SOIL

Concentration Units (ug/L or mg/kg dry weight): mg/kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	5180.51		5085.97		2		P
Antimony	1.49	J	53.38	U	100		P
Arsenic	1.78	U	5.79	J			P
Barium	674.64		671.33		0		P
Beryllium	0.10	J	4.45	U	100		P
Cadmium	3.63		3.65	J	0.55		P
Calcium	200482.40		228779.50		14	E	P
Chromium	23.20		23.25		0		P
Cobalt	1.17	J	0.98	J	16		P
Copper	52.34		54.14		3		P
Iron	2518.03		2738.15		9		P
Lead	15.89		18.00		13	E	P
Magnesium	6253.73		6695.85		7		P
Manganese	1873.31		2010.84		7		P
Nickel	21.23		21.22	J	0		P
Potassium	795.51	J	646.84	J	19	E	P
Selenium	4.20	J	31.14	U	100		P
Silver	1.84		2.09	J	14		P
Sodium	5257.81		4748.26		10		P
Thallium	4.45	U	22.24	U			P
Vanadium	8.64	J	8.22	J	5		P
Zinc	328.06		343.91		5		P

Metals

9-IN
METHOD DETECTION LIMITS (MDL) (ANNUALLY)

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: _____ SDG No.: MH30S4

Instrument Type: P Instrument ID: P5 Date: 12/17/2010

Preparation Method: 200.7

Concentration Units (ug/L, mg/kg, or ug): UG/L

Analyte	Wavelength/Mass	MDL
Aluminum	396.10	8.40
Antimony	206.83	1.70
Arsenic	189.04	2.50
Barium	493.41	2.80
Beryllium	234.80	0.40
Cadmium	214.40	0.12
Calcium	373.60	16.9
Chromium	267.72	0.97
Cobalt	228.62	0.35
Copper	324.75	9.1
Iron	259.80	8.3
Lead	220.35	1.3
Magnesium	279.08	17.9
Manganese	257.61	0.39
Nickel	231.60	0.64
Potassium	769.80	83.7
Selenium	196.02	2.9
Silver	328.07	0.67
Sodium	818.30	148
Thallium	190.86	2.7
Vanadium	292.40	0.33
Zinc	213.80	5.1

Comments: _____

Metals

9-IN
METHOD DETECTION LIMITS (MDL) (ANNUALLY)

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: _____ SDG No.: MH30S4

Instrument Type: P Instrument ID: P5 Date: 12/17/2010

Preparation Method: 3050B

Concentration Units (ug/L, mg/kg, or ug): MG/KG

Analyte	Wavelength/Mass	MDL
Aluminum	396.10	0.70
Antimony	206.83	0.16
Arsenic	189.04	0.13
Barium	493.41	0.084
Beryllium	234.80	0.041
Cadmium	214.40	0.0092
Calcium	373.60	1.3
Chromium	267.72	0.11
Cobalt	228.62	0.035
Copper	324.75	0.50
Iron	259.80	0.54
Lead	220.35	0.078
Magnesium	279.08	2.9
Manganese	257.61	0.038
Nickel	231.60	0.077
Potassium	769.80	6.9
Selenium	196.02	0.27
Silver	328.07	0.061
Sodium	818.30	19.8
Thallium	190.86	0.17
Vanadium	292.40	0.030
Zinc	213.80	0.51

Comments: _____

Metals

10A-IN

ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

ICP-AES Instrument ID: P5 Date: 07/19/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Ag
	182.034	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Aluminum	396.152	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000250	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	-0.0000930	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000060	0.0000000	0.0000000
Cadmium	214.438	0.0000000	0.0000000	0.0000080	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	-0.0001050	0.0000000	0.0000000
Iron	259.837	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000600	0.0000000	0.0000470	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000440	0.0000000	0.0000000
Potassium	769.896	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0002520	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0000570	0.0000000	0.0000000
Sodium	818.326	0.0000000	0.0000000	0.0031500	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.856	0.0000000	0.0000000	0.0000710	0.0000000	0.0000000

Comments:

Metals

10B-IN

ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

ICP-AES Instrument ID: P5 Date: 07/19/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	Ba	Be	Cd	Co
	182.034	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Aluminum	396.152	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.438	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	-0.0006640
Iron	259.837	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	-0.0002100
Potassium	769.896	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0005000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	818.326	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0019500
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

Metals

10B-IN

ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

ICP-AES Instrument ID: P5 Date: 07/19/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cr	Cu	K	Mn	Mo
	182.034	0.0000000	0.0000000	0.0000000	0.0016630	-0.0041470
Aluminum	396.152	0.0000000	0.0000000	0.0000000	0.0000000	0.0310000
Antimony	206.833	0.0105320	0.0000000	0.0000000	0.0000000	-0.0020850
Arsenic	189.042	-0.0014050	0.0000000	0.0000000	0.0000000	0.0006000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	-0.0001450
Cadmium	214.438	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0010800
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0003200
Iron	259.837	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0005560	0.0000000	0.0000970	-0.0013390
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	-0.0106200
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	-0.0001370
Potassium	769.896	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0005340	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	818.326	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0002860	0.0000000	0.0000000	0.0007330	0.0000000
Vanadium	292.402	-0.0034600	0.0000000	0.0000000	-0.0006720	0.0000000
Zinc	213.856	0.0000000	0.0005470	0.0000000	0.0000000	0.0000000

Comments:

Metals

10B-IN

ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

ICP-AES Instrument ID: P5 Date: 07/19/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for: Na	Ni	Pb	Sb	Se
	182.034	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Aluminum	396.152	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	-0.0006230	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.438	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.837	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	769.896	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	818.326	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.856	0.0000000	0.0041000	0.0000000	0.0000000	0.0000000

Comments:

Metals

10B-IN

ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

ICP-AES Instrument ID: P5 Date: 07/19/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for: Sn	Ti	Tl	U	V
	182.034	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Aluminum	396.152	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0131150	0.0000000	0.0000000	0.0000000	-0.0011330
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.438	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.754	0.0000000	-0.0003000	0.0000000	0.0000000	0.0000000
Iron	259.837	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000550
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	769.896	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0012500
Sodium	818.326	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0009670	0.0000000	0.0000000	-0.0226430
Vanadium	292.402	0.0000000	0.0003500	0.0000000	0.0000000	0.0000000
Zinc	213.856	0.0000000	0.0002690	0.0000000	0.0000000	0.0000000

Comments:

Metals

10B-IN

ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: _____ SDG No.: MH30S4

ICP-AES Instrument ID: P5 Date: 07/19/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for: Zn				
	182.034	0.0000000				
Aluminum	396.152	0.0000000				
Antimony	206.833	0.0000000				
Arsenic	189.042	0.0000000				
Barium	493.409	0.0000000				
Beryllium	234.861	0.0000000				
Cadmium	214.438	0.0000000				
Calcium	373.690	0.0000000				
Chromium	267.716	0.0000000				
Cobalt	228.616	0.0000000				
Copper	324.754	0.0000000				
Iron	259.837	0.0000000				
Lead	220.353	0.0000000				
Magnesium	279.079	0.0000000				
Manganese	257.610	0.0000000				
Nickel	231.604	0.0000000				
Potassium	769.896	0.0000000				
Selenium	196.090	0.0000000				
Silver	328.068	0.0000000				
Sodium	818.326	0.0000000				
Thallium	190.856	0.0000000				
Vanadium	292.402	0.0000000				
Zinc	213.856	0.0000000				

Comments: _____

Metals

12-IN

PREPARATION LOG

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Preparation Method: 3050B

EPA Sample No.	Preparation Date	Initial Weight/Volume (g) or (mL)	Final Volume (mL)
PBS01	11/10/2011	1.00	100
LCS01	11/10/2011	1.00	100
MH30S4	11/10/2011	1.40	100
MH30S5	11/10/2011	1.32	100
MH3BB7	11/10/2011	1.35	100
MH3BB8	11/10/2011	1.25	100
MH3BB9	11/10/2011	1.34	100
MH3BC0	11/10/2011	1.37	100
MH3BC1	11/10/2011	5.65	100
MH3BC2	11/10/2011	1.19	100
MH3BC3	11/10/2011	1.35	100
MH3BC4	11/10/2011	1.39	100
MH3BC5	11/10/2011	1.00	100
MH3BC5D	11/10/2011	1.00	100
MH3BC5S	11/10/2011	1.00	100
MH3BC6	11/10/2011	1.41	100
MH3BC7	11/10/2011	4.75	100
MH3BC8	11/10/2011	1.35	100
MH3BC9	11/10/2011	4.24	100
MH3BD0	11/10/2011	1.24	100

Metals

13-IN

ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: _____ SDG No.: MH30S4

Instrument ID: P5 Analysis Method: P

Start Date: 11/13/2011 End Date: 11/13/2011

EPA Sample NO.	D/F	Time	Analytes																								
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN		
S0	1.0	1130	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
S	1.0	1134	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
S	1.0	1137	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
S	1.0	1140	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
S	1.0	1143	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
S	1.0	1147	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ICV19	1.0	1210	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ICB19	1.0	1213	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ICSA19	1.0	1217	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
ICSAB19	1.0	1220	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
CCV14	1.0	1223	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB14	1.0	1227	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	10	1241																										
ZZZZZZ	10	1244																										
ZZZZZZ	50	1248																										
ZZZZZZ	10	1251																										
ZZZZZZ	10	1254																										
ZZZZZZ	10	1258																										
ZZZZZZ	10	1301																										
ZZZZZZ	10	1304																										
CCV15	1.0	1308	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB15	1.0	1311	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB16	1.0	1337	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB16	1.0	1340	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
PBS01	1.0	1344	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
LCS01	1.0	1347	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MH30S4	1.0	1350	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MH30S5	1.0	1354	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MH3BB7	1.0	1357	X	X	X	X	X	X		X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MH3BB8	1.0	1400	X	X	X	X	X	X		X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MH3BB9	1.0	1404	X	X	X	X	X	X		X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MH3BC0	1.0	1407	X	X	X	X	X	X		X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MH3BC1	1.0	1411	X	X	X	X	X	X		X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MH3BC2	1.0	1414	X	X	X	X	X	X		X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MH3BC3	1.0	1418	X	X	X	X	X	X		X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MH3BC4	1.0	1421	X	X	X	X	X	X		X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MH3BC5	1.0	1424	X	X	X	X	X	X		X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			

Metals

13-IN

ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Instrument ID: P5 Analysis Method: P

Start Date: 11/13/2011 End Date: 11/13/2011

EPA Sample NO.	D/F	Time	Analytes																									
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN		
MH3BC5L	5.0	1428	X	X	X	X	X	X		X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MH3BC5D	1.0	1431	X	X	X	X	X	X		X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MH3BC5S	1.0	1434		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
MH3BC6	1.0	1438	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MH3BC7	1.0	1441	X	X	X	X	X	X		X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MH3BC8	1.0	1445	X	X	X	X	X	X		X	X	X		X	X	X		X	X	X	X	X	X	X	X			
MH3BC9	1.0	1448	X	X	X	X	X	X		X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MH3BD0	1.0	1452	X	X	X	X	X	X		X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCV17	1.0	1455	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB17	1.0	1459	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	1.0	1502																										
ZZZZZZ	1.0	1505																										
ZZZZZZ	1.0	1509																										
ZZZZZZ	1.0	1512																										
ZZZZZZ	1.0	1515																										
ZZZZZZ	5.0	1519																										
ZZZZZZ	1.0	1522																										
ZZZZZZ	1.0	1526																										
ZZZZZZ	1.0	1529																										
ZZZZZZ	1.0	1532																										
ZZZZZZ	1.0	1536																										
ZZZZZZ	1.0	1539																										
ZZZZZZ	1.0	1542																										
ZZZZZZ	1.0	1546																										
ZZZZZZ	1.0	1549																										
ZZZZZZ	1.0	1552																										
ZZZZZZ	1.0	1556																										
ZZZZZZ	1.0	1559																										
ZZZZZZ	1.0	1602																										
ZZZZZZ	1.0	1606																										
ZZZZZZ	1.0	1609																										
ZZZZZZ	1.0	1612																										
ZZZZZZ	1.0	1615																										
ZZZZZZ	1.0	1619																										
ZZZZZZ	1.0	1622																										
CCV18	1.0	1625	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB18	1.0	1629	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	1.0	1632																										

Metals

13-IN

ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Instrument ID: P5 Analysis Method: P

Start Date: 11/13/2011 End Date: 11/13/2011

EPA Sample NO.	D/F	Time	Analytes																								
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN		
ZZZZZZ	1.0	1635																										
ZZZZZZ	1.0	1639																										
ZZZZZZ	1.0	1642																										
ZZZZZZ	1.0	1645																										
ZZZZZZ	1.0	1649																										
ZZZZZZ	1.0	1652																										
ZZZZZZ	1.0	1655																										
ZZZZZZ	1.0	1659																										
ZZZZZZ	1.0	1702																										
ZZZZZZ	1.0	1705																										
ZZZZZZ	1.0	1709																										
ZZZZZZ	1.0	1712																										
ZZZZZZ	1.0	1715																										
ZZZZZZ	1.0	1719																										
ZZZZZZ	1.0	1722																										
ZZZZZZ	1.0	1725																										
ZZZZZZ	1.0	1729																										
ZZZZZZ	1.0	1732																										
ZZZZZZ	1.0	1735																										
ZZZZZZ	5.0	1739																										
ZZZZZZ	1.0	1742																										
ZZZZZZ	1.0	1745																										
CCV19	1.0	1749	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB19	1.0	1752	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	1.0	1755																										
ZZZZZZ	1.0	1759																										
ZZZZZZ	1.0	1802																										
ZZZZZZ	1.0	1806																										
ZZZZZZ	1.0	1809																										
ZZZZZZ	1.0	1812																										
ZZZZZZ	1.0	1816																										
ZZZZZZ	1.0	1819																										
ZZZZZZ	5.0	1822																										
ZZZZZZ	1.0	1826																										
ZZZZZZ	1.0	1829																										
ZZZZZZ	1.0	1832																										
ZZZZZZ	1.0	1836																										

Metals

13-IN

ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: _____ SDG No.: MH30S4

Instrument ID: P5 Analysis Method: P

Start Date: 11/13/2011 End Date: 11/13/2011

EPA Sample NO.	D/F	Time	Analytes																								
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN		
ZZZZZZ	1.0	1839																										
ZZZZZZ	1.0	1843																										
ZZZZZZ	1.0	1846																										
ZZZZZZ	1.0	1849																										
ZZZZZZ	1.0	1853																										
CCV20	1.0	1856	X	X	X	X	X	X	X	X	X	X		X		X		X	X	X	X	X	X	X	X			
CCB20	1.0	1900	X	X	X	X	X	X	X	X	X	X		X		X		X	X	X	X	X	X	X	X			
ZZZZZZ	1.0	1903																										
ZZZZZZ	1.0	1906																										
ZZZZZZ	1.0	1910																										
ZZZZZZ	1.0	1913																										
ZZZZZZ	1.0	1916																										
ZZZZZZ	1.0	1920																										
ZZZZZZ	1.0	1923																										
ZZZZZZ	1.0	1926																										
ZZZZZZ	1.0	1930																										
ZZZZZZ	1.0	1933																										
ZZZZZZ	1.0	1936																										
ZZZZZZ	1.0	1939																										
ZZZZZZ	1.0	1943																										
ZZZZZZ	1.0	1946																										
ZZZZZZ	1.0	1949																										
ZZZZZZ	1.0	1953																										
ZZZZZZ	1.0	1956																										
ZZZZZZ	1.0	1959																										
ZZZZZZ	1.0	2002																										
CCV21	1.0	2006	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB21	1.0	2009	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	1.0	2012																										
ZZZZZZ	1.0	2016																										
ZZZZZZ	1.0	2019																										
ZZZZZZ	5.0	2022																										
ZZZZZZ	1.0	2026																										
ZZZZZZ	1.0	2029																										
ZZZZZZ	1.0	2032																										
ZZZZZZ	1.0	2036																										
ZZZZZZ	1.0	2039																										
ZZZZZZ	1.0	2042																										

Metals

13-IN

ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Instrument ID: P5 Analysis Method: P

Start Date: 11/13/2011 End Date: 11/13/2011

EPA Sample NO.	D/F	Time	Analytes																								
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN		
ZZZZZZ	1.0	2045																										
ZZZZZZ	1.0	2049																										
ZZZZZZ	1.0	2052																										
ZZZZZZ	1.0	2055																										
ZZZZZZ	1.0	2059																										
ZZZZZZ	1.0	2102																										
ZZZZZZ	1.0	2105																										
ZZZZZZ	1.0	2108																										
ZZZZZZ	1.0	2112																										
CCV22	1.0	2115	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB22	1.0	2118	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	1.0	2122																										
ZZZZZZ	1.0	2125																										
ZZZZZZ	1.0	2129																										
ZZZZZZ	1.0	2132																										
ZZZZZZ	1.0	2135																										
ZZZZZZ	1.0	2139																										
ZZZZZZ	1.0	2142																										
ZZZZZZ	1.0	2145																										
ZZZZZZ	1.0	2149																										
ZZZZZZ	1.0	2152																										
ZZZZZZ	1.0	2155																										
ZZZZZZ	1.0	2159																										
ZZZZZZ	5.0	2202																										
ZZZZZZ	1.0	2205																										
ZZZZZZ	1.0	2209																										
ZZZZZZ	1.0	2212																										
ZZZZZZ	1.0	2215																										
ZZZZZZ	1.0	2219																										
ZZZZZZ	5.0	2222																										
CCV23	1.0	2225	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB23	1.0	2229	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			

Metals

13-IN

ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: _____ SDG No.: MH30S4

Instrument ID: P5 Analysis Method: P

Start Date: 11/14/2011 End Date: 11/14/2011

EPA Sample NO.	D/F	Time	Analytes																								
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN		
S0	1.0	1433		X		X	X		X	X	X	X	X	X				X		X				X	X			
S	1.0	1437		X		X	X		X	X	X	X	X	X				X		X				X	X			
S	1.0	1440		X		X	X		X	X	X	X	X	X				X		X				X	X			
S	1.0	1443		X		X	X		X	X	X	X	X	X				X		X				X	X			
S	1.0	1447		X		X	X		X	X	X	X	X	X				X		X				X	X			
S	1.0	1450		X		X	X		X	X	X	X	X	X				X		X				X	X			
ICV20	1.0	1457		X		X	X		X	X	X	X	X	X				X		X				X	X			
ICB20	1.0	1500		X		X	X		X	X	X	X	X	X				X		X				X	X			
ICSA20	1.0	1503	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
ICSAB20	1.0	1507	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X		X	X	X			
CCV24	1.0	1525		X		X	X		X	X	X	X	X	X				X		X				X	X			
CCB24	1.0	1529		X		X	X		X	X	X	X	X	X				X		X				X	X			
ZZZZZZ	1.0	1532																										
ZZZZZZ	1.0	1536																										
ZZZZZZ	1.0	1539																										
ZZZZZZ	1.0	1542																										
ZZZZZZ	1.0	1546																										
ZZZZZZ	1.0	1549																										
ZZZZZZ	1.0	1552																										
ZZZZZZ	1.0	1556																										
ZZZZZZ	5.0	1559																										
ZZZZZZ	1.0	1603																										
ZZZZZZ	1.0	1606																										
ZZZZZZ	1.0	1609																										
ZZZZZZ	1.0	1613																										
ZZZZZZ	1.0	1616																										
ZZZZZZ	1.0	1619																										
ZZZZZZ	1.0	1623																										
ZZZZZZ	1.0	1626																										
ZZZZZZ	1.0	1630																										
CCV25	1.0	1633		X		X	X		X	X	X	X	X	X				X		X				X	X			
CCB25	1.0	1636		X		X	X		X	X	X	X	X	X				X		X				X	X			
ZZZZZZ	1.0	1640																										
ZZZZZZ	1.0	1643																										
ZZZZZZ	1.0	1646																										
ZZZZZZ	1.0	1650																										
ZZZZZZ	1.0	1653																										

Metals

13-IN

ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Instrument ID: P5 Analysis Method: P

Start Date: 11/14/2011 End Date: 11/14/2011

EPA Sample NO.	D/F	Time	Analytes																								
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN		
ZZZZZZ	1.0	1656																										
ZZZZZZ	1.0	1700																										
ZZZZZZ	1.0	1703																										
ZZZZZZ	1.0	1706																										
ZZZZZZ	1.0	1710																										
ZZZZZZ	1.0	1713																										
ZZZZZZ	1.0	1717																										
ZZZZZZ	1.0	1720																										
ZZZZZZ	1.0	1723																										
ZZZZZZ	1.0	1726																										
ZZZZZZ	1.0	1730																										
ZZZZZZ	1.0	1733																										
ZZZZZZ	5.0	1736																										
ZZZZZZ	1.0	1739																										
ZZZZZZ	1.0	1743																										
CCV26	1.0	1746		X		X	X		X	X	X	X	X	X				X		X				X	X			
CCB26	1.0	1749		X		X	X		X	X	X	X	X	X				X		X				X	X			
ZZZZZZ	10	1753																										
MH3BB7	10	1756							X																			
MH3BB8	10	1759							X																			
MH3BB9	10	1803							X																			
MH3BC0	10	1806							X																			
MH3BC1	10	1809							X																			
MH3BC2	10	1813							X																			
MH3BC3	10	1816							X																			
MH3BC4	10	1820							X																			
MH3BC5	10	1823							X																			
MH3BC5L	50	1826							X																			
MH3BC5D	10	1830							X																			
ZZZZZZ	10	1833																										
MH3BC5A	1.0	1837				X	X			X	X	X		X				X		X			X	X	X			
MH3BC7	10	1840							X																			
MH3BC8	10	1843							X				X															
MH3BC9	10	1847							X																			
MH3BD0	10	1850							X																			
ZZZZZZ	10	1853																										
ZZZZZZ	10	1857																										
ZZZZZZ	1.0	1907																										

Metals

13-IN

ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Instrument ID: P5 Analysis Method: P

Start Date: 11/14/2011 End Date: 11/14/2011

EPA Sample NO.	D/F	Time	Analytes																								
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN		
ZZZZZZ	1.0	1910																										
ZZZZZZ	1.0	1914																										
ZZZZZZ	1.0	1917																										
ZZZZZZ	1.0	1920																										
CCV27	1.0	1923		X		X	X		X	X	X	X	X	X				X		X				X	X			
CCB27	1.0	1927		X		X	X		X	X	X	X	X	X				X		X				X	X			

Metals

16-IN

INITIAL CALIBRATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Instrument ID: P5 Start Date: 11/13/11

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0.00	0.030	0	200	184	8	38750	36270	6
Antimony	0.00	0.0100	0	60.0	55	9	1250	1164	7
Arsenic	0.00	0.00000	0	10.0	9.4	6	1250	1169	6
Barium	0.00	0.00000	0	200	200	0	2500	2473	1
Beryllium	0.00	0.00000	0	5.00	4.8	4	125	121	4
Cadmium	0.00	0.00000	0	5.00	4.9	2	625	623	0
Calcium	0.00	-0.070	0	5000	4934	1	62500	62129	1
Chromium	0.00	0.00000	0	10.0	8.0	20	3875	3757	3
Cobalt	0.00	0.0100	0	50.0	45	11	625	614	2
Copper	0.00	0.00000	0	25.0	26	-5	3750	3562	5
Iron	0.00	0.00000	0	100	97	3	37500	38182	-2
Lead	0.00	0.00000	0	10.0	10	-5	6250	6201	1
Magnesium	0.00	0.74	0	5000	4486	10	62500	59364	5
Manganese	0.00	0.00000	0	15.0	16	-6	3750	3794	-1
Nickel	0.00	0.00000	0	40.0	39	3	625	620	1
Potassium	0.00	0.67	0	5000	4693	6	37500	35207	6
Selenium	0.00	0.0100	0	35.0	31	12	1250	1200	4
Silver	0.00	0.00000	0	10.0	9.4	6	313	286	8
Sodium	0.00	0.34	0	5000	4829	3	37500	35944	4
Thallium	0.00	0.00000	0	25.0	25	-2	1250	1285	-3
Vanadium	0.00	0.00000	0	50.0	47	6	625	618	1
Zinc	0.00	0.0100	0	60.0	57	5	3750	3585	4

Control Limits ± 30

Metals

16-IN

INITIAL CALIBRATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Instrument ID: P5 Start Date: 11/14/11

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Antimony	0.00	0.0100	0	60.0	55	8	1250	1180	6
Barium	0.00	0.00000	0	200	197	1	2500	2486	1
Beryllium	0.00	0.00000	0	5.00	4.9	3	125	123	1
Calcium	0.00	-0.14	0	5000	4905	2	62500	62737	0
Chromium	0.00	0.00000	0	10.0	8.4	16	3875	3783	2
Cobalt	0.00	0.00000	0	50.0	45	11	625	621	1
Copper	0.00	0.00000	0	25.0	23	9	3750	3631	3
Iron	0.00	-0.0100	0	100	99	1	37500	38592	-3
Lead	0.00	0.00000	0	10.0	10.0	0	6250	6282	-1
Nickel	0.00	0.00000	0	40.0	39	2	625	629	-1
Selenium	0.00	0.00000	0	35.0	34	2	1250	1212	3
Vanadium	0.00	0.00000	0	50.0	48	5	625	626	0
Zinc	0.00	0.00000	0	60.0	58	4	3750	3654	3

Control Limits ± 30

Metals

16-IN

INITIAL CALIBRATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

Instrument ID: P5 Start Date: 11/13/11

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	77500	76745	1	155000	156220	-1	310000	312030	-1
Antimony	2500	2411	4	5000	4990	0	10000	10190	-2
Arsenic	2500	2419	3	5000	4998	0	10000	10164	-2
Barium	5000	5040	-1	10000	10125	-1	20000	19862	1
Beryllium	250	250	0	500	504	-1	1000	1000	0
Cadmium	1250	1275	-2	2500	2557	-2	5000	4920	2
Calcium	125000	128090	-2	250000	257130	-3	500000	490220	2
Chromium	7750	7718	0	15500	15490	0	31000	31162	-1
Cobalt	1250	1264	-1	2500	2547	-2	5000	4955	1
Copper	7500	7383	2	15000	14932	0	30000	30371	-1
Iron	75000	77179	-3	150000	153030	-2	300000	294110	2
Lead	12500	12645	-1	25000	25450	-2	50000	49453	1
Magnesium	125000	123630	1	250000	253020	-1	500000	502000	0
Manganese	7500	7725	-3	15000	15280	-2	30000	29451	2
Nickel	1250	1272	-2	2500	2551	-2	5000	4933	1
Potassium	75000	72989	3	150000	150250	0	300000	304360	-1
Selenium	2500	2461	2	5000	5020	0	10000	10074	-1
Silver	625	595	5	1250	1234	1	2500	2573	-3
Sodium	75000	74930	0	150000	150570	0	300000	301220	0
Thallium	2500	2596	-4	5000	5109	-2	10000	9760	2
Vanadium	1250	1270	-2	2500	2533	-1	5000	4957	1
Zinc	7500	7394	1	15000	15072	0	30000	30202	-1

Metals

16-IN

INITIAL CALIBRATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH30S4

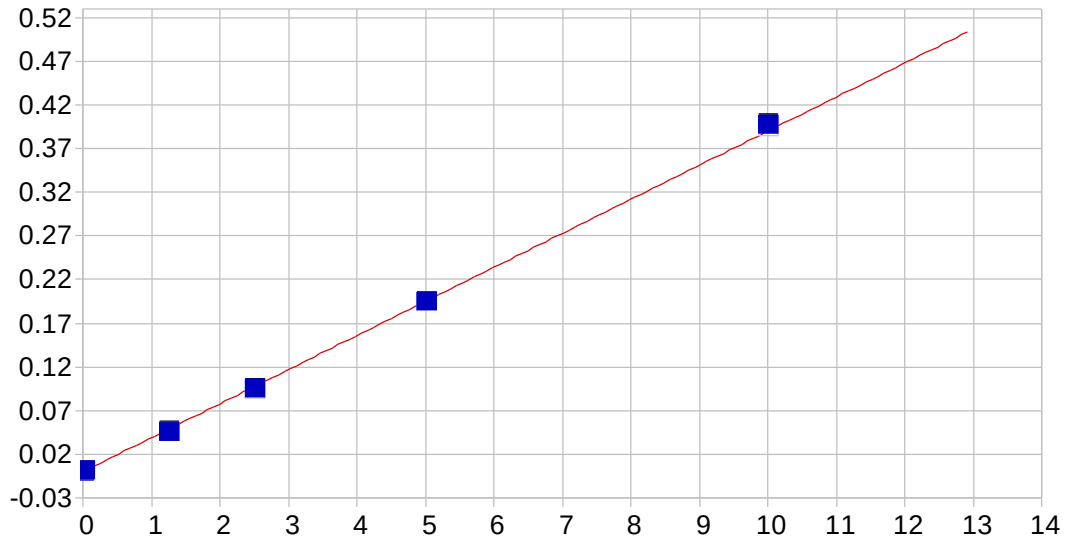
Instrument ID: P5 Start Date: 11/14/11

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Antimony	2500	2419	3	5000	5046	-1	10000	10109	-1
Barium	5000	5061	-1	10000	10214	-2	20000	19741	1
Beryllium	250	255	-2	500	508	-2	1000	988	1
Calcium	125000	129510	-4	250000	257850	-3	500000	487500	3
Chromium	7750	7776	0	15500	15841	-2	31000	30726	1
Cobalt	1250	1263	-1	2500	2561	-2	5000	4934	1
Copper	7500	7492	0	15000	15099	-1	30000	30031	0
Iron	75000	78766	-5	150000	153680	-2	300000	291470	3
Lead	12500	12638	-1	25000	25582	-2	50000	49248	2
Nickel	1250	1275	-2	2500	2569	-3	5000	4903	2
Selenium	2500	2455	2	5000	5055	-1	10000	10029	0
Vanadium	1250	1285	-3	2500	2556	-2	5000	4910	2
Zinc	7500	7564	-1	15000	15331	-2	30000	29704	1

Control Limits ± 30

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

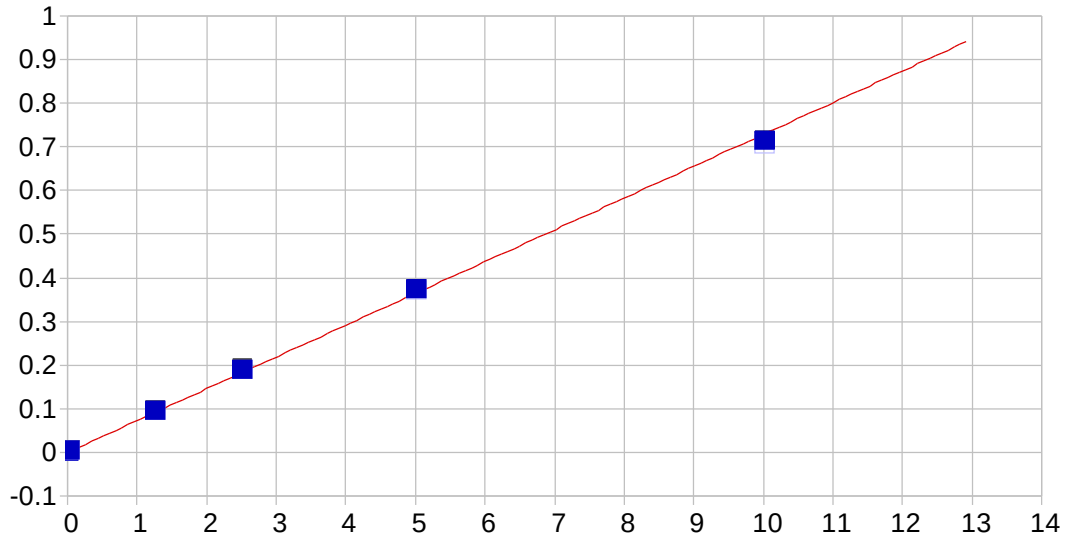


As 189.042 {479}

Date of Fit:	11/13/2011 11:50:34	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000131	Re-Slope:	1.000000
A1 (Gain):	0.039010	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999716	Status:	OK.
Std Error of Est:	0.002003		
MDL:	0.154045		
MQL:	0.513485		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00013	.000	1
S1	.01000	.00943	-.001	-5.69	.00024	.000	1
S2	1.2500	1.1695	-.081	-6.44	.04521	.000	1
S3	2.5000	2.4189	-.081	-3.24	.09368	.001	1
S4	5.0000	4.9981	-.002	-.039	.19373	.000	1
S5	10.000	10.164	.164	1.64	.39416	.002	1



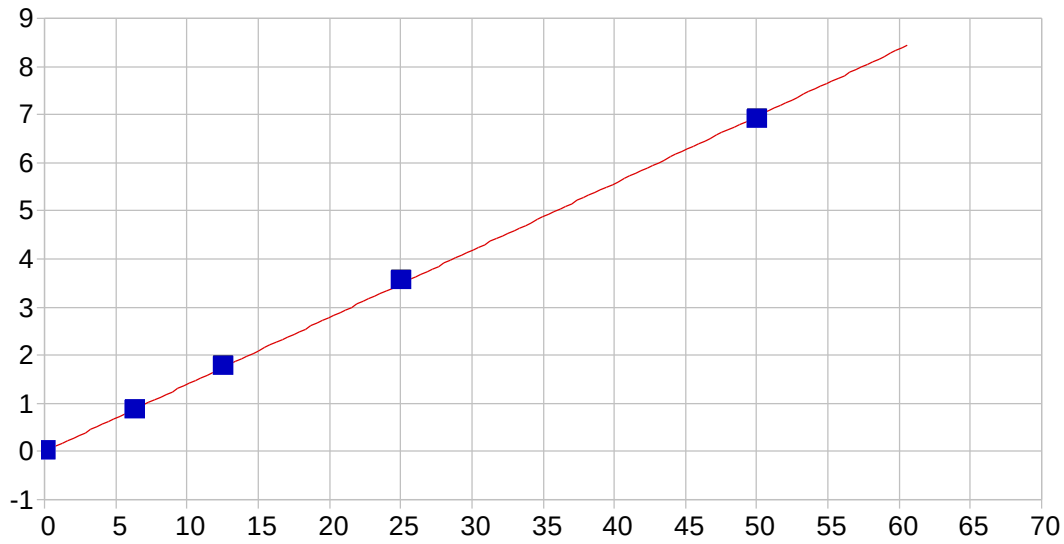
Tl 190.856 {477}

Date of Fit:	11/13/2011 11:50:34	Type of Fit:	Linear	Weighting:	1/Conc

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

A0 (Offset):	-0.000277	Re-Slope:	1.000000
A1 (Gain):	0.072882	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999653	Status:	OK.
Std Error of Est:	0.004115		
MDL:	0.169380		
MQL:	0.564599		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00028	.000	1
S1	.02500	.02564	.001	2.58	.00151	.000	1
S2	1.2500	1.2849	.035	2.79	.09238	.000	1
S3	2.5000	2.5958	.096	3.83	.18693	.000	1
S4	5.0000	5.1083	.108	2.17	.36806	.001	1
S5	10.000	9.7604	-.240	-2.40	.70315	.002	1



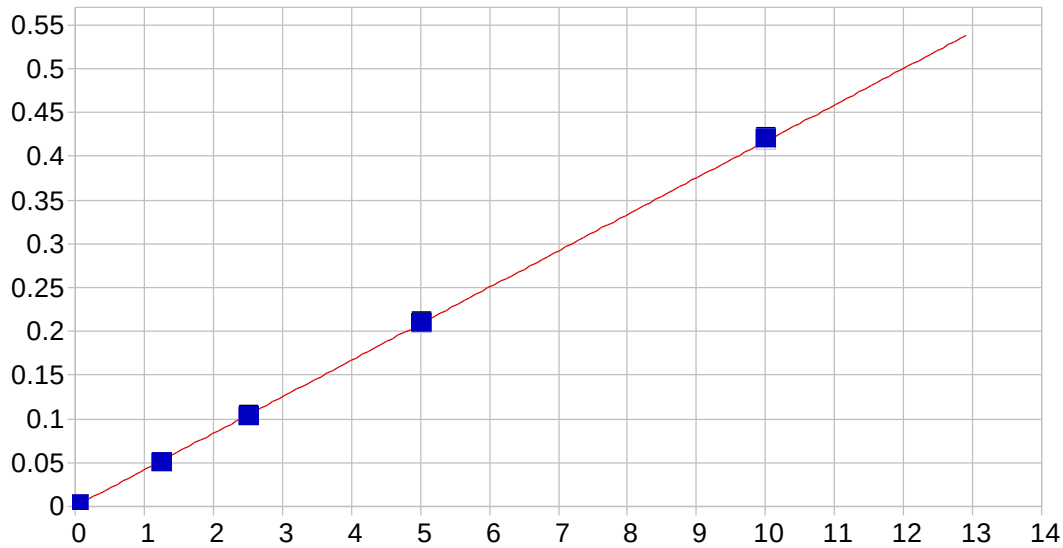
Pb 220.353 {453}

Date of Fit:	11/13/2011 11:50:34	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000251	Re-Slope:	1.000000
A1 (Gain):	0.139276	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999914	Status:	OK.
Std Error of Est:	0.008861		
MDL:	0.190858		
MQL:	0.636192		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00025	.000	1
S1	.01000	.01046	.000	4.61	.00121	.000	1
S2	6.2500	6.2015	-.049	-.777	.86364	.002	1
S3	12.500	12.645	.145	1.16	1.7613	.003	1
S4	25.000	25.450	.450	1.80	3.5451	.007	1
S5	50.000	49.453	-.547	-1.09	6.8887	.005	1

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

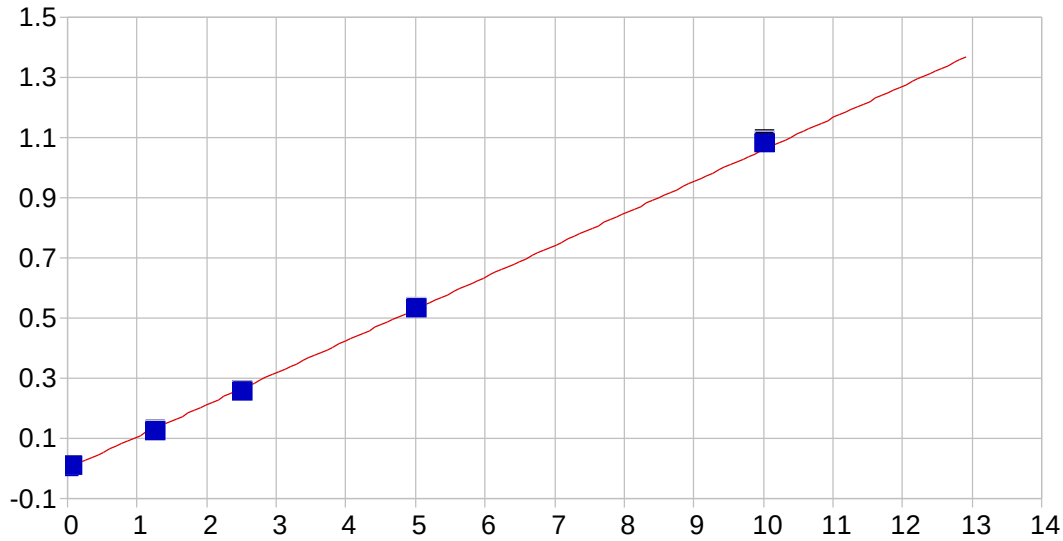


Se 196.090 {472}

Date of Fit:	11/13/2011 11:50:34	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000190	Re-Slope:	1.000000
A1 (Gain):	0.041665	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999898	Status:	OK.
Std Error of Est:	0.001278		
MDL:	0.091994		
MQL:	0.306648		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00019	.000	1
S1	.03500	.03086	-.004	-11.8	.00147	.000	1
S2	1.2500	1.2000	-.050	-4.00	.04982	.000	1
S3	2.5000	2.4602	-.040	-1.59	.10196	.000	1
S4	5.0000	5.0190	.019	.381	.20785	.001	1
S5	10.000	10.075	.075	.750	.41705	.001	1



Sb 206.833 {463}

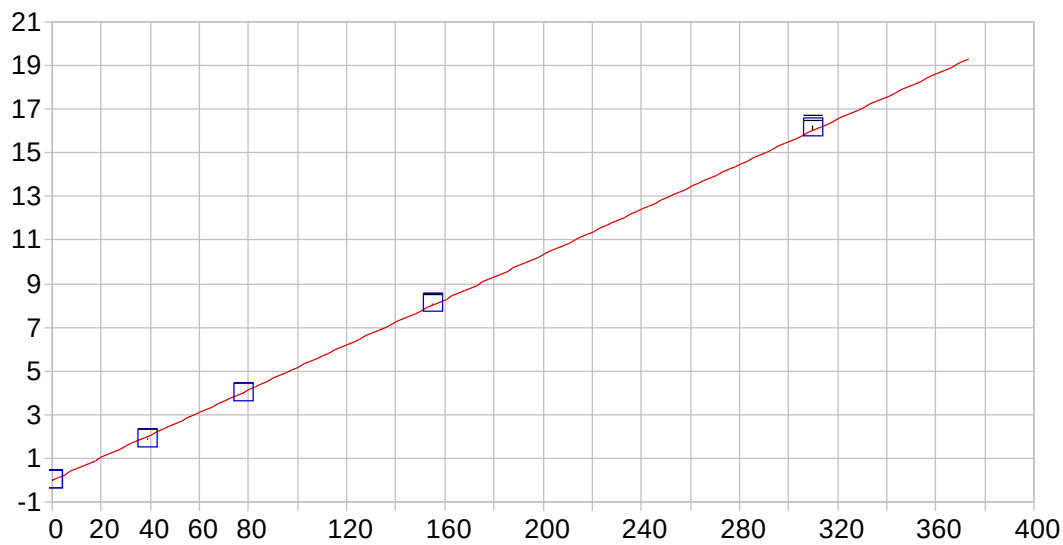
Date of Fit:	11/13/2011 11:50:34	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000000	Re-Slope:	1.000000

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

A1 (Gain):	0.105933	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999654	Status:	OK.
Std Error of Est:	0.006088		
MDL:	0.172424		
MQL:	0.574745		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00000	.000	1
S1	.06000	.05588	-.004	-6.87	.00579	.000	1
S2	1.2500	1.1634	-.087	-6.92	.12428	.000	1
S3	2.5000	2.4101	-.090	-3.60	.25738	.002	1
S4	5.0000	4.9888	-.011	-.225	.53261	.001	1
S5	10.000	10.192	.192	1.92	1.0879	.002	1



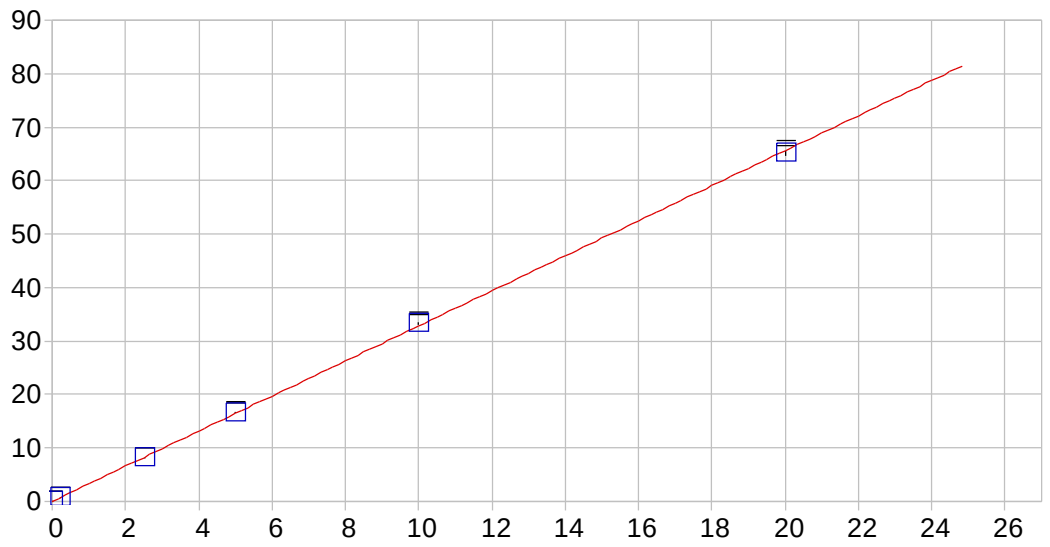
Al 396.152 { 85}

Date of Fit:	11/13/2011 11:50:34	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000050	Re-Slope:	1.000000
A1 (Gain):	0.051666	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999836	Status:	OK.
Std Error of Est:	0.011271		
MDL:	0.654480		
MQL:	2.181599		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00003	.000	.000	.00005	.000	1
S1	.20000	.18374	-.016	-8.13	.00954	.000	1
S2	38.750	36.270	-2.48	-6.40	1.8740	.022	1
S3	77.500	76.745	-.755	-.974	3.9652	.007	1
S4	155.00	156.22	1.22	.789	8.0715	.026	1
S5	310.00	312.03	2.03	.655	16.121	.119	1

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

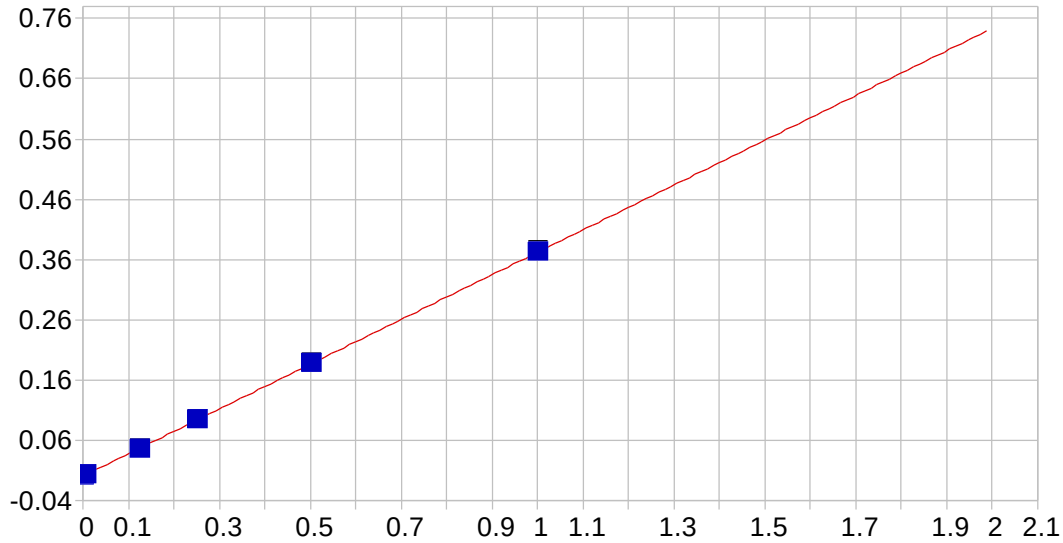


Ba 493.409 { 68}

Date of Fit:	11/13/2011 11:50:34	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.049015	Re-Slope:	1.000000
A1 (Gain):	3.277771	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999959	Status:	OK.
Std Error of Est:	0.091571		
MDL:	0.083811		
MQL:	0.279370		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.04901	.001	1
S1	.20000	.19975	.000	-.124	.70376	.003	1
S2	2.5000	2.4729	-.027	-1.08	8.1548	.102	1
S3	5.0000	5.0398	.040	.796	16.568	.089	1
S4	10.000	10.125	.125	1.25	33.237	.164	1
S5	20.000	19.862	-.138	-.688	65.153	.427	1



Be 234.861 {144}

Date of Fit:	11/13/2011 11:50:34	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000015	Re-Slope:	1.000000

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
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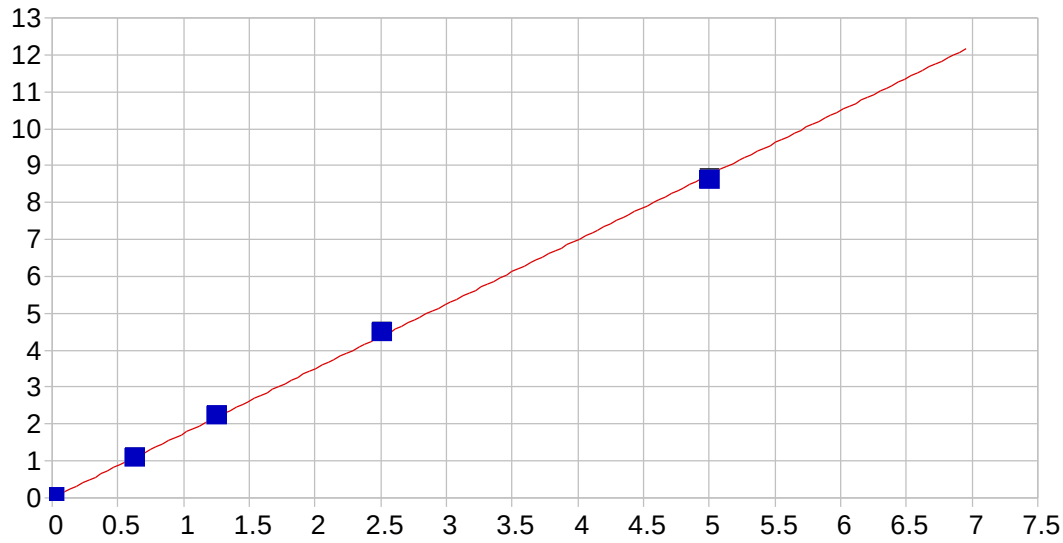
A1 (Gain):	0.372041	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999945	Status:	OK.
Std Error of Est:	0.002676		
MDL:	0.021580		
MQL:	0.071932		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00001	.000	1
S1	.00500	.00480	.000	-4.00	.00180	.000	1
S2	.12500	.12049	-.005	-3.61	.04472	.001	1
S3	.25000	.25018	.000	.073	.09284	.000	1
S4	.50000	.50425	.004	.850	.18712	.000	1
S5	1.0000	1.0003	.000	.028	.37116	.002	1



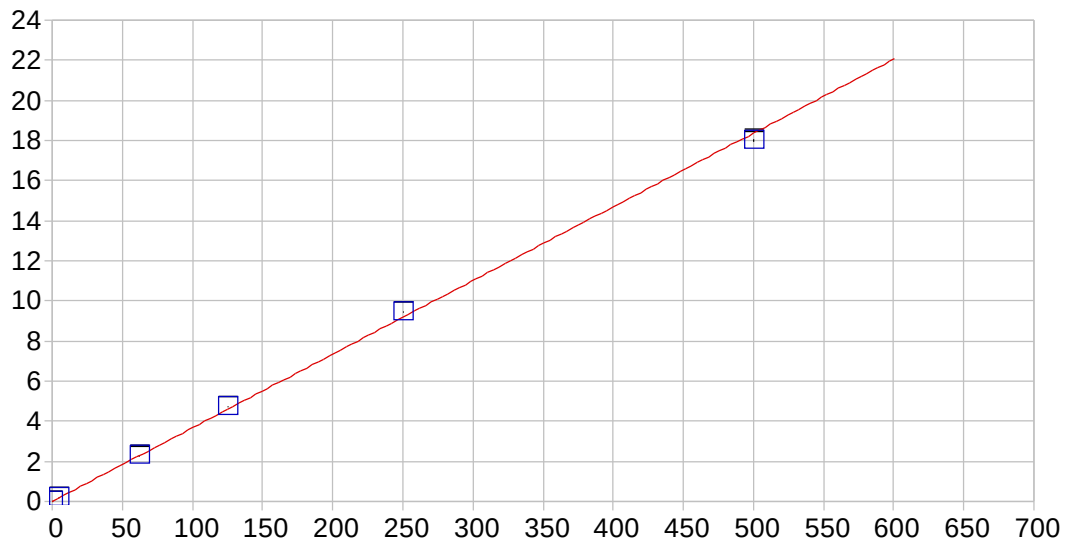
Cd 214.438 {457}

Date of Fit:	11/13/2011 11:50:34	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000065	Re-Slope:	1.000000
A1 (Gain):	1.748553	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999833	Status:	OK.
Std Error of Est:	0.048878		
MDL:	0.083859		
MQL:	0.279532		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00006	.000	1
S1	.00500	.00488	.000	-2.36	.00860	.000	1
S2	.62500	.62303	-.002	-.315	1.0891	.001	1
S3	1.2500	1.2752	.025	2.02	2.2292	.002	1
S4	2.5000	2.5573	.057	2.29	4.4703	.004	1
S5	5.0000	4.9196	-.080	-1.61	8.5994	.013	1

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

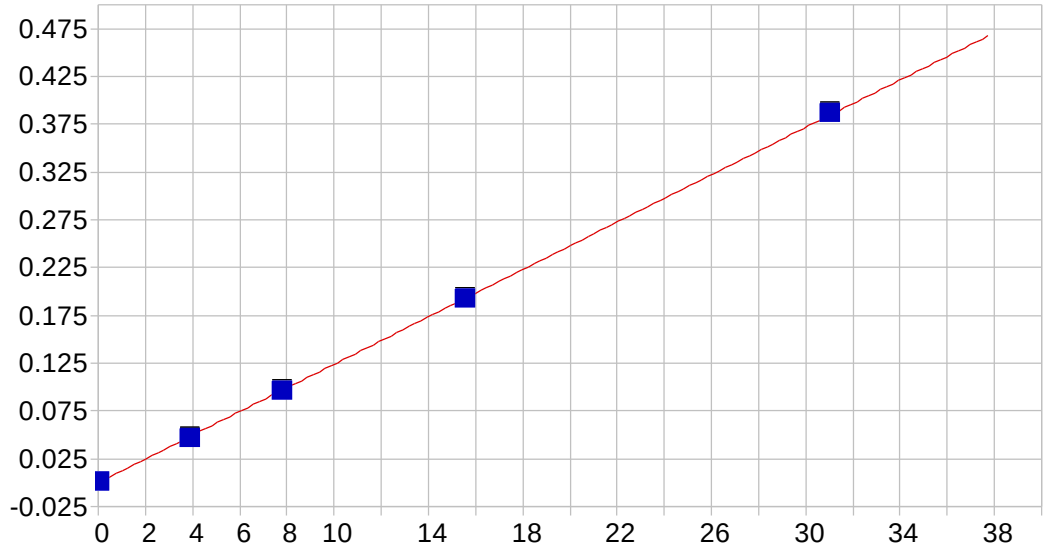


Ca 373.690 { 90}

Date of Fit:	11/13/2011 11:50:34	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001011	Re-Slope:	1.000000
A1 (Gain):	0.036730	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999749	Status:	OK.
Std Error of Est:	0.012643		
MDL:	1.032623		
MQL:	3.442076		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00007	.000	.000	.00101	.000	1
S1	5.0000	4.9336	-.066	-1.33	.18222	.001	1
S2	62.500	62.129	-.371	-.594	2.2830	.034	1
S3	125.00	128.09	3.09	2.47	4.7057	.005	1
S4	250.00	257.13	7.13	2.85	9.4453	.013	1
S5	500.00	490.22	-9.78	-1.96	18.007	.073	1



Cr 267.716 {126}

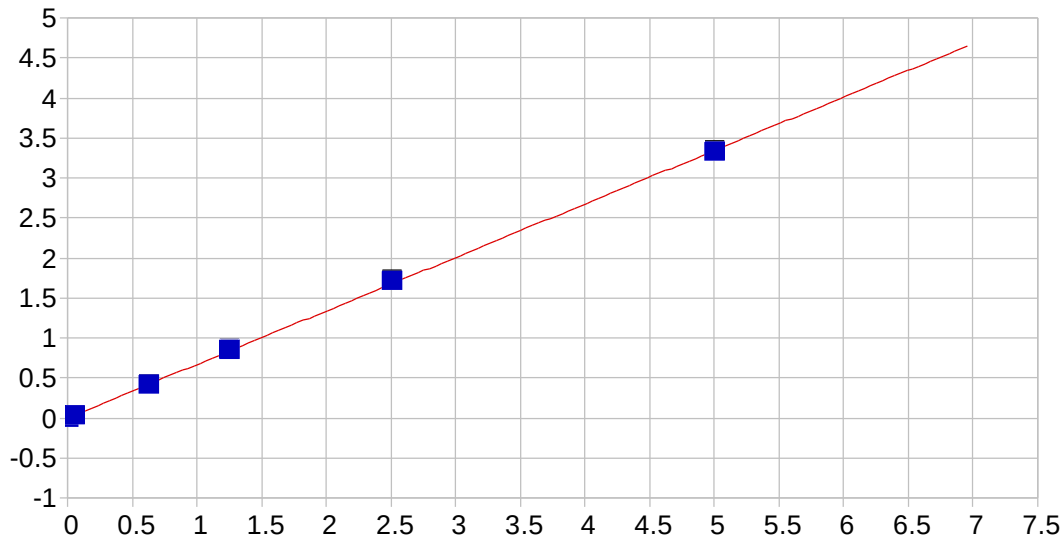
Date of Fit:	11/13/2011 11:50:34	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000005	Re-Slope:	1.000000

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

A1 (Gain):	0.012389	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999957	Status:	OK.
Std Error of Est:	0.000437		
MDL:	0.105757		
MQL:	0.352524		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00001	.000	1
S1	.01000	.00802	-.002	-19.8	.00010	.000	1
S2	3.8750	3.7571	-.118	-3.04	.04656	.000	1
S3	7.7500	7.7175	-.032	-.419	.09563	.001	1
S4	15.500	15.490	-.010	-.063	.19194	.001	1
S5	31.000	31.162	.162	.523	.38613	.001	1



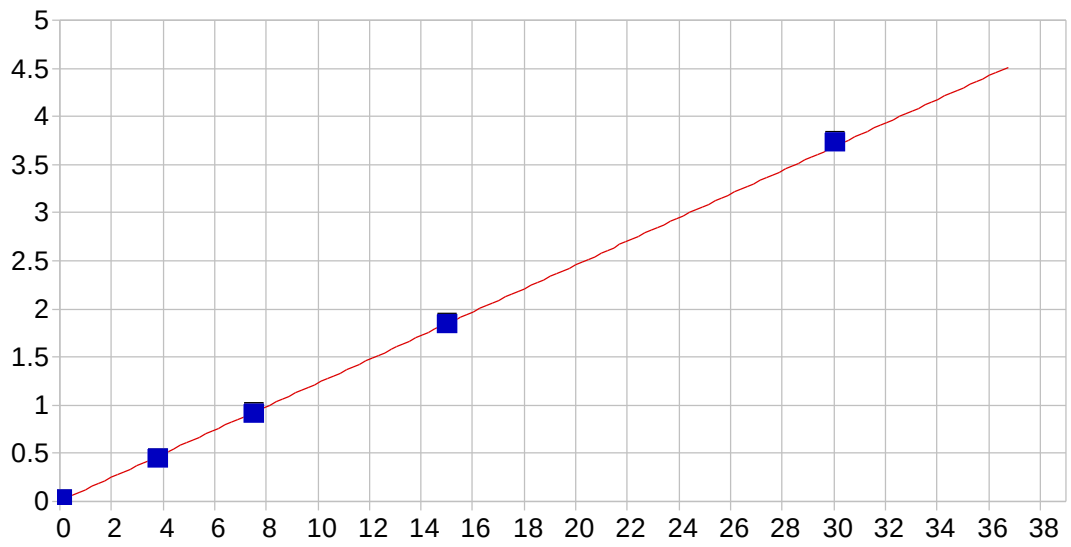
Co 228.616 {448}

Date of Fit:	11/13/2011 11:50:34	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000145	Re-Slope:	1.000000
A1 (Gain):	0.668573	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999882	Status:	OK.
Std Error of Est:	0.015837		
MDL:	0.071064		
MQL:	0.236879		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	-.00014	.000	1
S1	.05000	.04447	-.006	-11.1	.02968	.000	1
S2	.62500	.61432	-.011	-1.71	.41235	.001	1
S3	1.2500	1.2636	.014	1.09	.84822	.001	1
S4	2.5000	2.5474	.047	1.90	1.7101	.004	1
S5	5.0000	4.9552	-.045	-.897	3.3269	.004	1

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

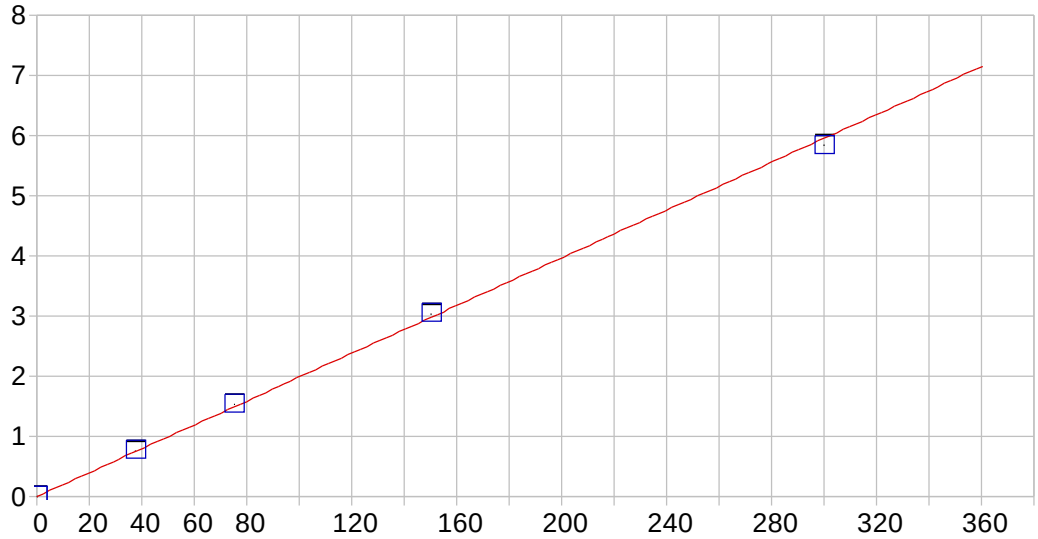


Cu 324.754 {104}

Date of Fit:	11/13/2011 11:50:34	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.004753	Re-Slope:	1.000000
A1 (Gain):	0.122646	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999855	Status:	OK.
Std Error of Est:	0.007818		
MDL:	0.191231		
MQL:	0.637436		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00475	.000	1
S1	.02500	.02624	.001	4.96	.00795	.000	1
S2	3.7500	3.5617	-.188	-5.02	.44098	.004	1
S3	7.5000	7.3831	-.117	-1.56	.90906	.003	1
S4	15.000	14.932	-.068	-.453	1.8337	.008	1
S5	30.000	30.372	.372	1.24	3.7249	.003	1



Fe 259.837 {130}

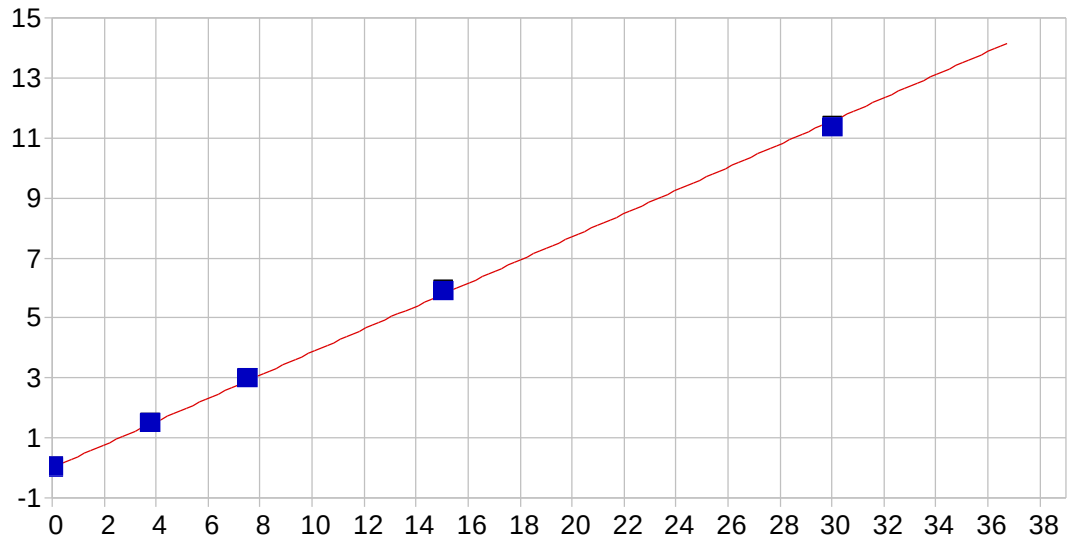
Date of Fit:	11/13/2011 11:50:34	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000121	Re-Slope:	1.000000

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

A1 (Gain):	0.019842	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999775	Status:	OK.
Std Error of Est:	0.004988		
MDL:	0.754154		
MQL:	2.513846		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00012	.000	1
S1	.10000	.09686	-.003	-3.14	.00204	.000	1
S2	37.500	38.182	.682	1.82	.75774	.009	1
S3	75.000	77.179	2.18	2.91	1.5315	.001	1
S4	150.00	153.03	3.03	2.02	3.0366	.005	1
S5	300.00	294.11	-5.89	-1.96	5.8359	.008	1



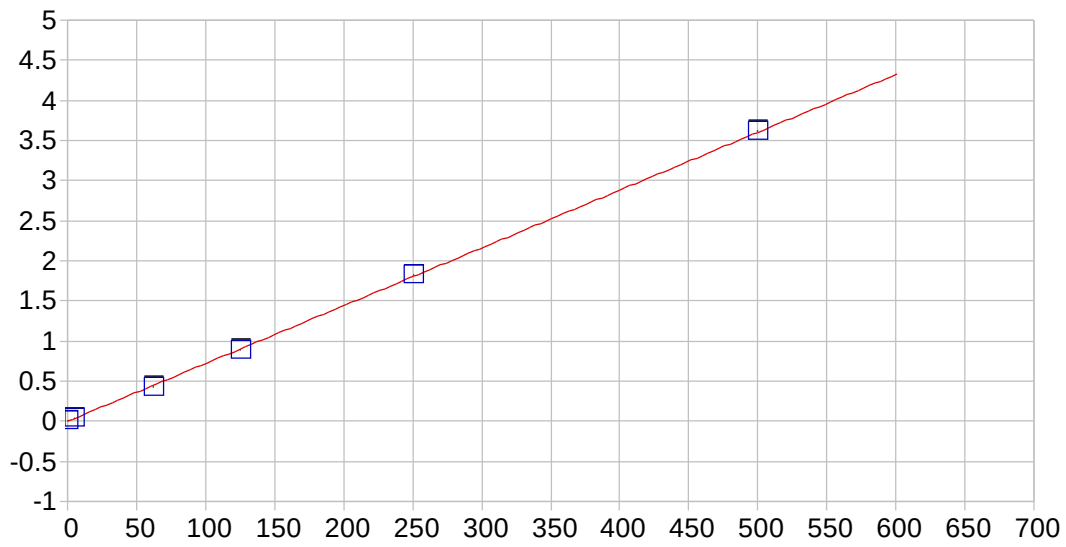
Mn 257.610 {131}

Date of Fit:	11/13/2011 11:50:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000063	Re-Slope:	1.000000
A1 (Gain):	0.385375	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999799	Status:	OK.
Std Error of Est:	0.028949		
MDL:	0.225359		
MQL:	0.751196		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00006	.000	1
S1	.01500	.01594	.001	6.27	.00621	.000	1
S2	3.7500	3.7944	.044	1.18	1.4622	.020	1
S3	7.5000	7.7245	.224	2.99	2.9766	.002	1
S4	15.000	15.280	.280	1.86	5.8879	.015	1
S5	30.000	29.451	-.549	-1.83	11.349	.031	1

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

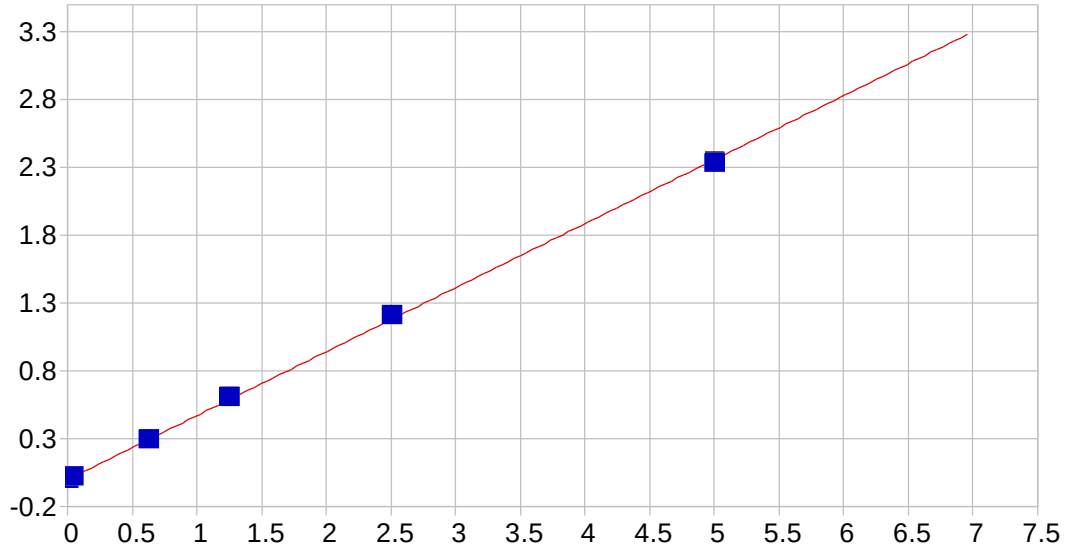


Mg 279.079 {121}

Date of Fit:	11/13/2011 11:50:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000027	Re-Slope:	1.000000
A1 (Gain):	0.007203	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999857	Status:	OK.
Std Error of Est:	0.001871		
MDL:	0.779325		
MQL:	2.597751		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00074	.001	.000	-.00002	.000	1
S1	5.0000	4.4859	-.514	-10.3	.03229	.000	1
S2	62.500	59.364	-3.14	-5.02	.42758	.006	1
S3	125.00	123.63	-1.37	-1.10	.89050	.001	1
S4	250.00	253.02	3.02	1.21	1.8226	.001	1
S5	500.00	502.00	2.00	.399	3.6160	.008	1



Ni 231.604 {446}

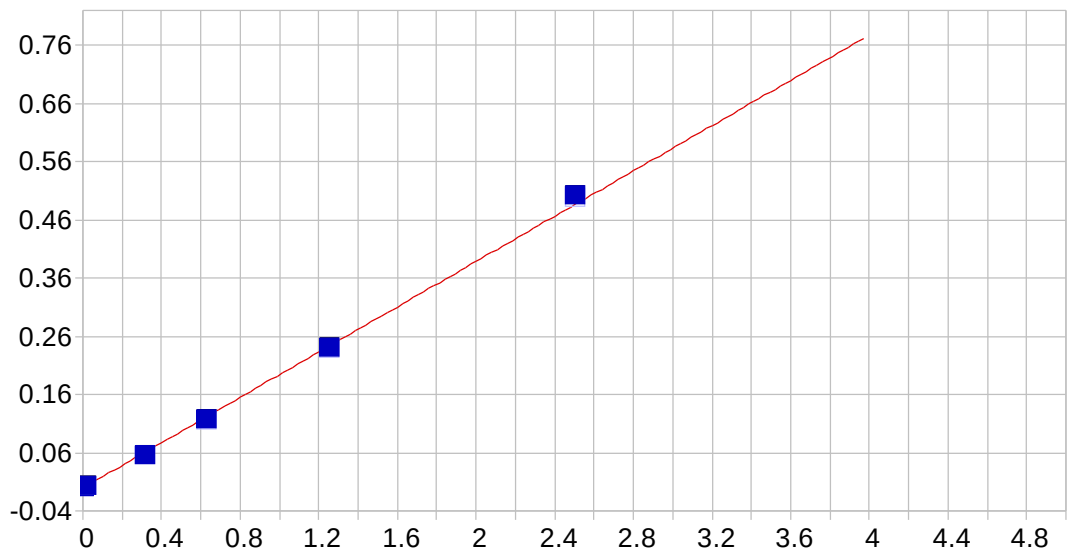
Date of Fit:	11/13/2011 11:50:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000218	Re-Slope:	1.000000

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

A1 (Gain):	0.471585	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999874	Status:	OK.
Std Error of Est:	0.011523		
MDL:	0.073305		
MQL:	0.244349		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00022	.000	1
S1	.04000	.03897	-.001	-2.57	.01816	.000	1
S2	.62500	.62021	-.005	-.767	.29279	.001	1
S3	1.2500	1.2720	.022	1.76	.60068	.002	1
S4	2.5000	2.5509	.051	2.04	1.2049	.001	1
S5	5.0000	4.9329	-.067	-1.34	2.3302	.005	1



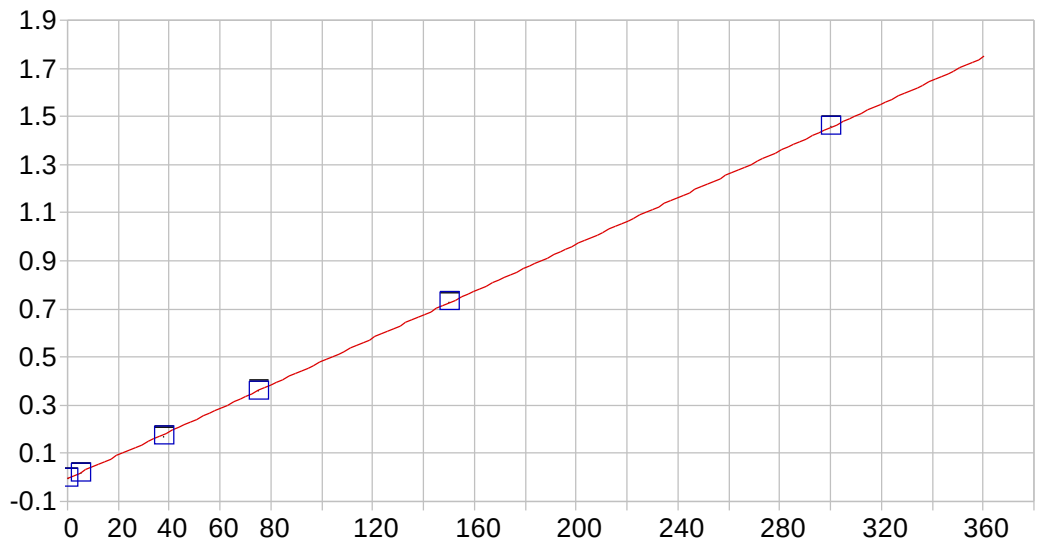
Ag 328.068 {103}

Date of Fit:	11/13/2011 11:50:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000514	Re-Slope:	1.000000
A1 (Gain):	0.194572	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999337	Status:	OK.
Std Error of Est:	0.007613		
MDL:	0.117376		
MQL:	0.391253		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00051	.000	1
S1	.01000	.00937	-.001	-6.30	.00130	.000	1
S2	.31250	.28626	-.026	-8.40	.05462	.000	1
S3	.62500	.59439	-.031	-4.90	.11401	.001	1
S4	1.2500	1.2338	-.016	-1.29	.23730	.000	1
S5	2.5000	2.5737	.074	2.95	.49575	.002	1

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

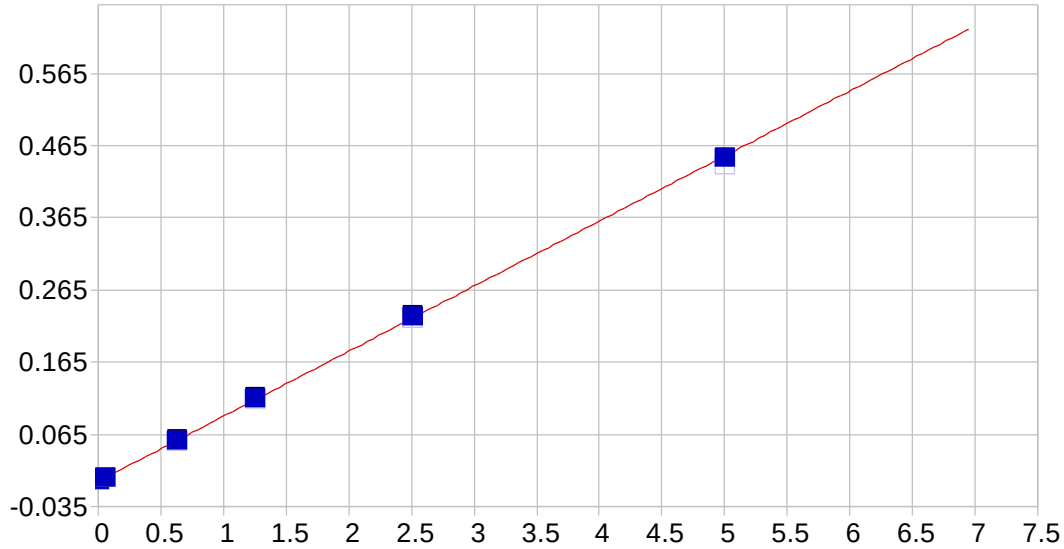


Na 818.326 { 41}

Date of Fit:	11/13/2011 11:50:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.004583	Re-Slope:	1.000000
A1 (Gain):	0.004862	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999932	Status:	OK.
Std Error of Est:	0.000678		
MDL:	0.418098		
MQL:	1.393661		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00034	.000	.000	-.00458	.000	1
S1	5.0000	4.8292	-.171	-3.42	.01890	.001	1
S2	37.500	35.944	-1.56	-4.15	.17019	.002	1
S3	75.000	74.930	-.070	-.093	.35976	.002	1
S4	150.00	150.57	.573	.382	.72757	.004	1
S5	300.00	301.22	1.22	.408	1.4601	.001	1



V 292.402 {115}

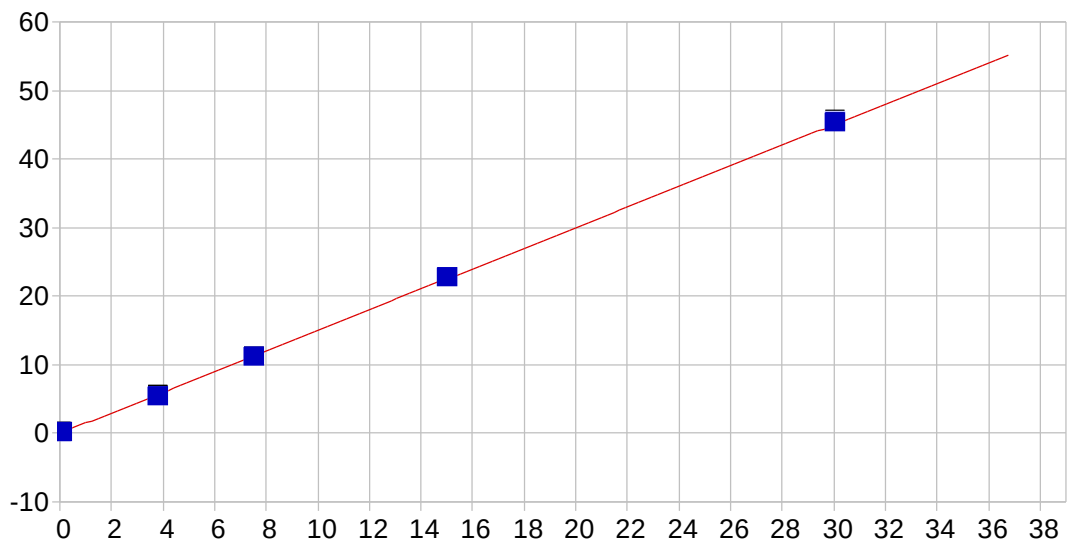
Date of Fit:	11/13/2011 11:50:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000115	Re-Slope:	1.000000

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

A1 (Gain):	0.090142	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999922	Status:	OK.
Std Error of Est:	0.001691		
MDL:	0.056262		
MQL:	0.187539		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00011	.000	1
S1	.05000	.04681	-.003	-6.38	.00410	.000	1
S2	.62500	.61817	-.007	-1.09	.05442	.001	1
S3	1.2500	1.2702	.020	1.61	.11200	.001	1
S4	2.5000	2.5329	.033	1.32	.22345	.001	1
S5	5.0000	4.9570	-.043	-.860	.43721	.001	1



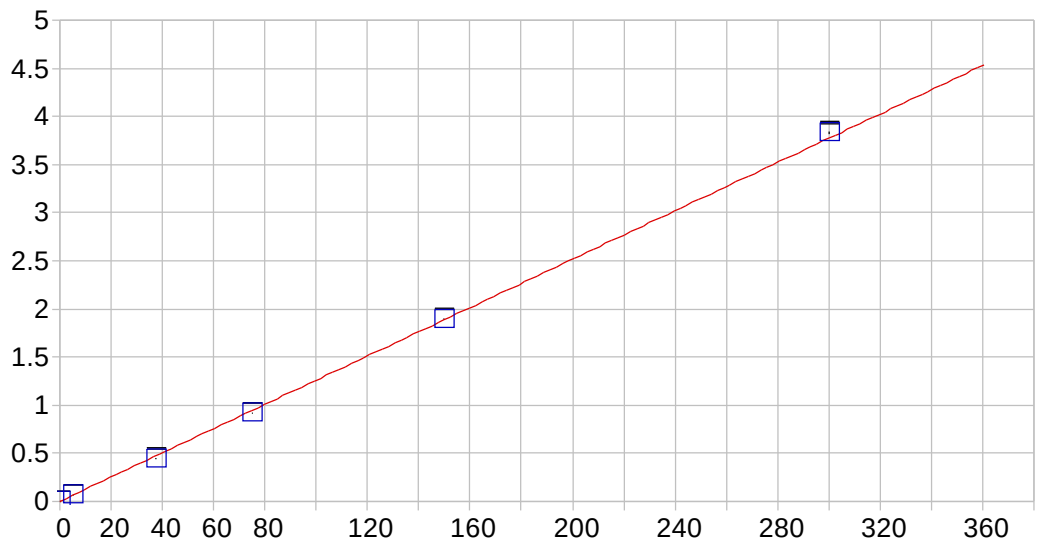
Zn 213.856 {158}

Date of Fit:	11/13/2011 11:50:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000269	Re-Slope:	1.000000
A1 (Gain):	1.500393	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999906	Status:	OK.
Std Error of Est:	0.077249		
MDL:	0.154457		
MQL:	0.514858		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	-.00026	.001	1
S1	.06000	.05690	-.003	-5.17	.08537	.002	1
S2	3.7500	3.5851	-.165	-4.40	5.3915	.048	1
S3	7.5000	7.3942	-.106	-1.41	11.119	.012	1
S4	15.000	15.072	.072	.482	22.665	.075	1
S5	30.000	30.202	.202	.672	45.415	.171	1

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

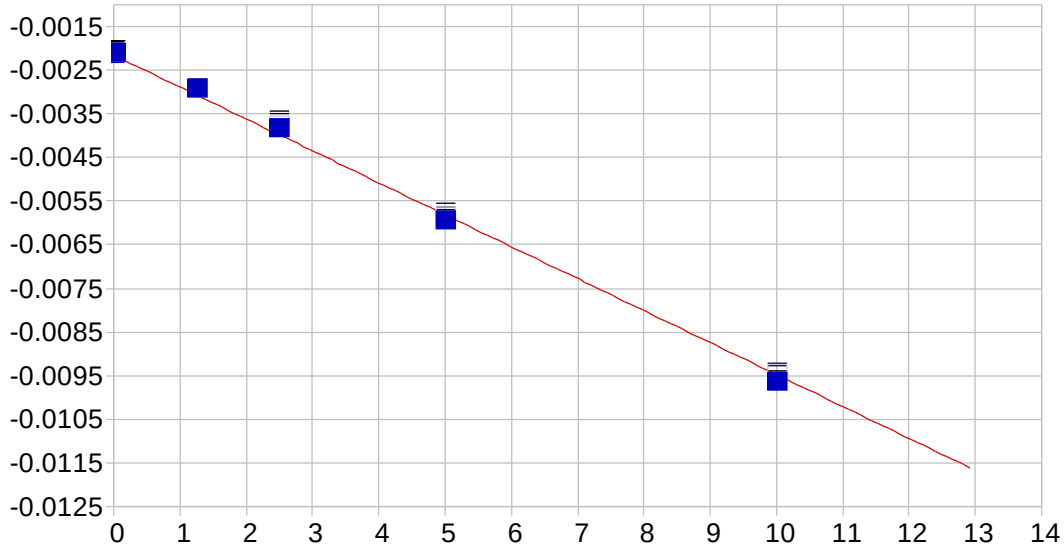


K 769.896 { 44}

Date of Fit:	11/13/2011 11:50:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.002781	Re-Slope:	1.000000
A1 (Gain):	0.012571	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999756	Status:	OK.
Std Error of Est:	0.003307		
MDL:	0.789292		
MQL:	2.630974		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00067	.001	.000	.00279	.000	1
S1	5.0000	4.6932	-.307	-6.14	.06178	.000	1
S2	37.500	35.207	-2.29	-6.11	.44537	.005	1
S3	75.000	72.989	-2.01	-2.68	.92032	.002	1
S4	150.00	150.25	.247	.165	1.8915	.005	1
S5	300.00	304.36	4.36	1.45	3.8289	.011	1



P 177.495 {490}

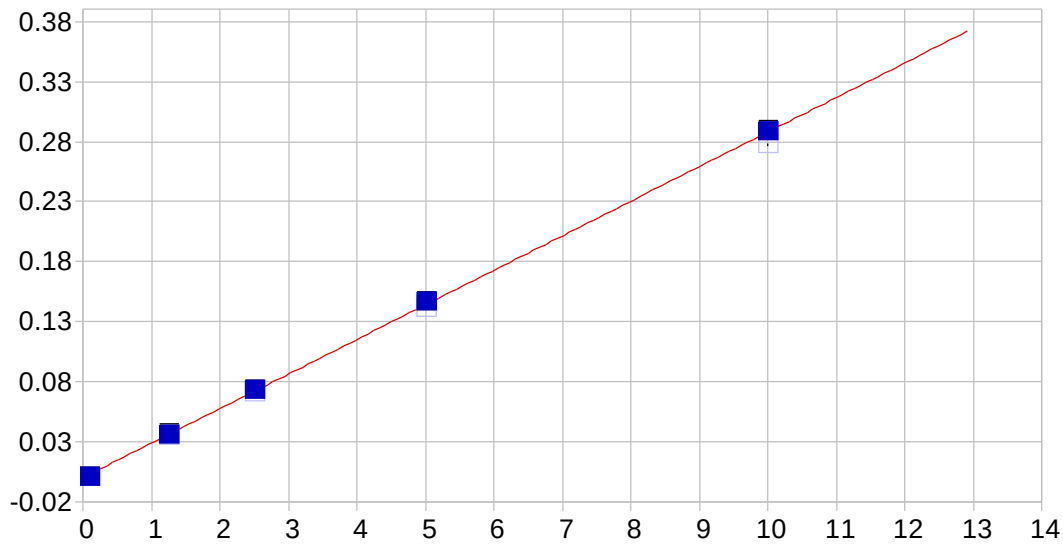
Date of Fit:	11/13/2011 11:50:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.002152	Re-Slope:	1.000000

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

A1 (Gain):	-0.000732		Y-int:	0.000000
A2 (Curvature):	0.000000			
n (Exponent):	1.000000			
Correlation:	0.988833	Status:	Warning	Negative Gain
Std Error of Est:	0.000233			
MDL:	-0.955277			
MQL:	-3.184257			

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00007	.000	.000	-.00215	.000	1
S1	.01500	-.05774	-.073	-485.	-.00211	.000	1
S2	1.2500	1.0856	-.164	-13.2	-.00292	.000	1
S3	2.5000	2.2930	-.207	-8.28	-.00379	.000	1
S4	5.0000	5.1903	.190	3.81	-.00586	.000	1
S5	10.000	10.255	.255	2.55	-.00948	.000	1



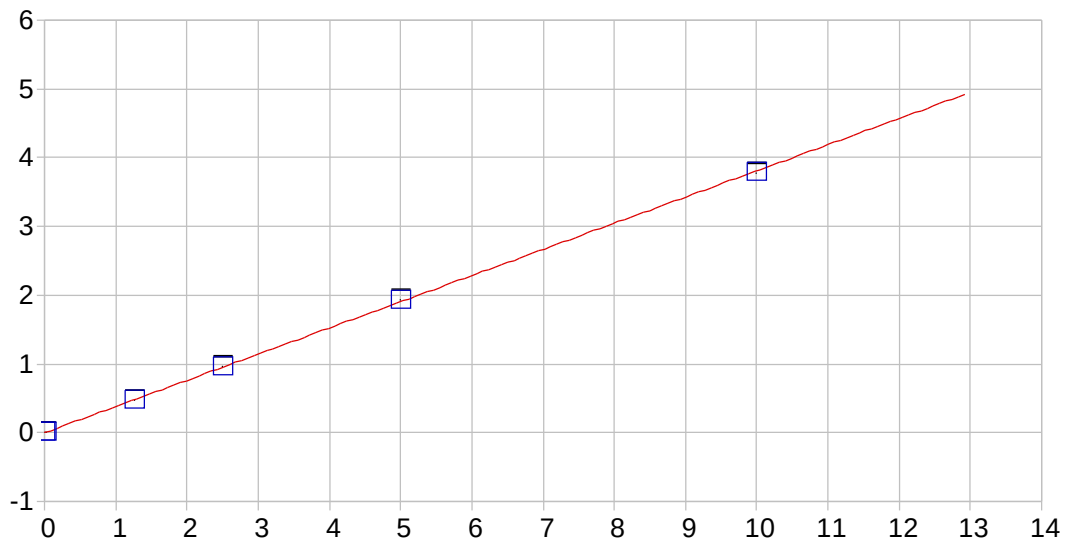
B 249.678 {135}

Date of Fit:	11/13/2011 11:50:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000059	Re-Slope:	1.000000
A1 (Gain):	0.028783	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.997044	Status:	OK.
Std Error of Est:	0.004633		
MDL:	0.482896		
MQL:	1.609653		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00010	.000	.000	.00006	.000	1
S1	.10000	-.00065	-.101	-101.	.00004	.000	1
S2	1.2500	1.2301	-.020	-1.59	.03410	.001	1
S3	2.5000	2.5333	.033	1.33	.07024	.000	1
S4	5.0000	5.0858	.086	1.72	.14098	.000	1
S5	10.000	10.005	.005	.054	.27712	.001	1

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

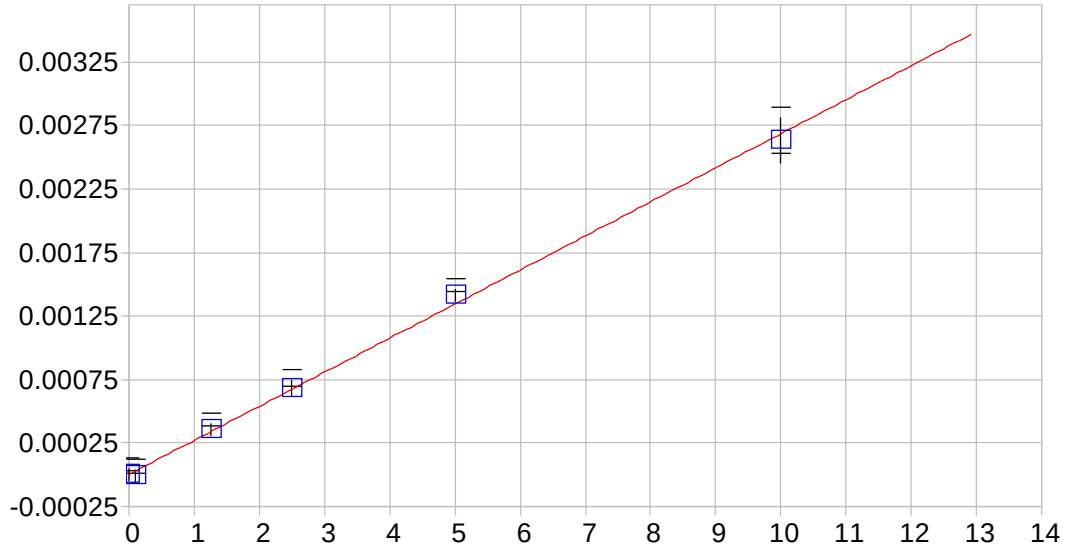


Mo 202.030 {467}

Date of Fit:	11/13/2011 11:50:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000118	Re-Slope:	1.000000
A1 (Gain):	0.380836	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999410	Status:	OK.
Std Error of Est:	0.028348		
MDL:	0.223310		
MQL:	0.744365		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00002	.000	.000	.00013	.000	1
S1	.02000	-.00010	-.020	-101.	.00008	.000	1
S2	1.2500	1.2478	-.002	-.176	.47532	.001	1
S3	2.5000	2.5268	.027	1.07	.96243	.003	1
S4	5.0000	5.0725	.072	1.45	1.9319	.002	1
S5	10.000	9.9230	-.077	-.770	3.7791	.009	1



S 182.034 {485}

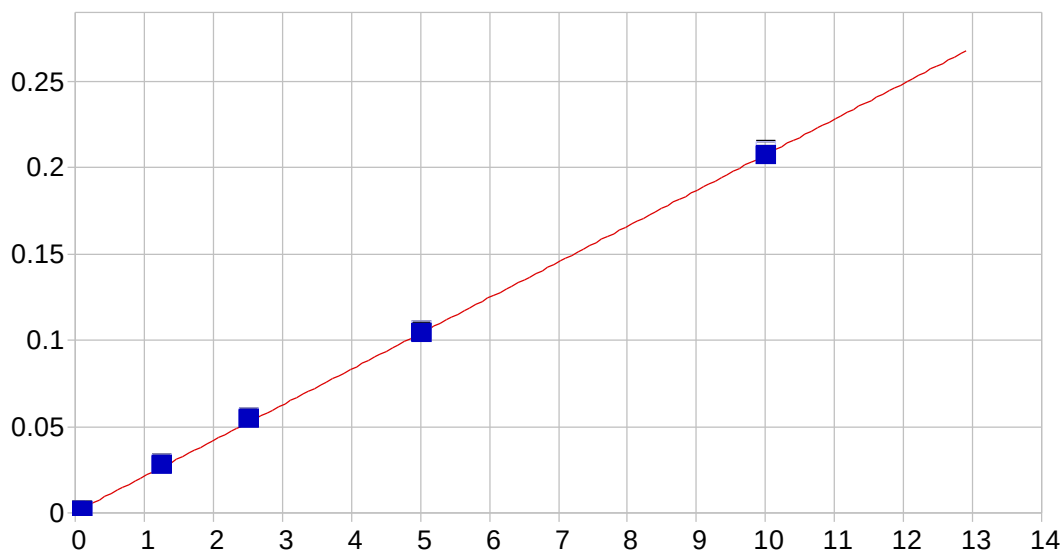
Date of Fit:	11/13/2011 11:50:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000003	Re-Slope:	1.000000

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

A1 (Gain):	0.000268	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.993534	Status:	OK.
Std Error of Est:	0.000067		
MDL:	0.744138		
MQL:	2.480460		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00014	.000	.000	.00000	.000	1
S1	.10000	-.05015	-.150	-150.	-.00001	.000	1
S2	1.2500	1.3125	.063	5.00	.00035	.000	1
S3	2.5000	2.5202	.020	.808	.00068	.000	1
S4	5.0000	5.2596	.260	5.19	.00141	.000	1
S5	10.000	9.8078	-.192	-1.92	.00263	.000	1



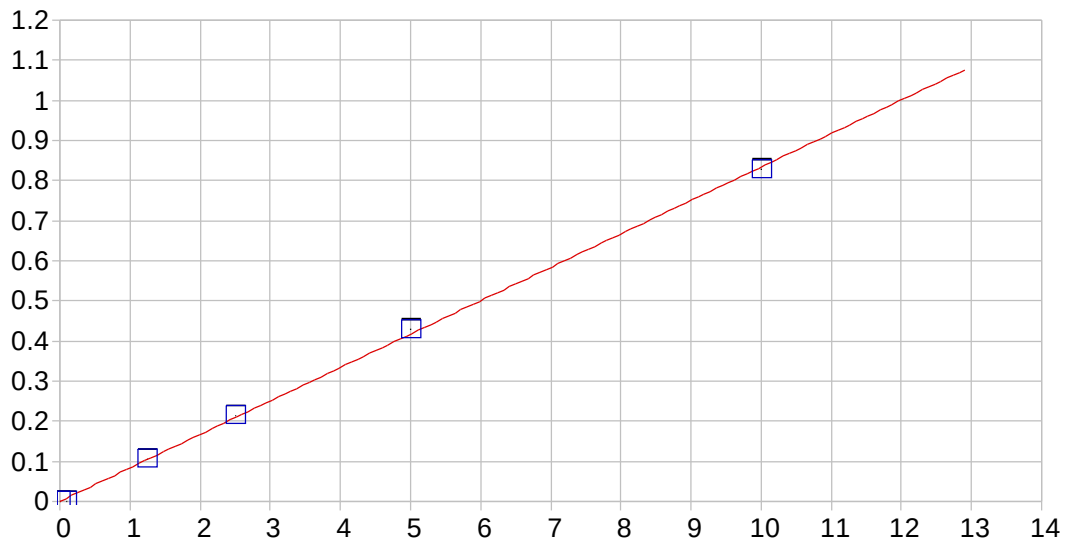
Si 251.611 {134}

Date of Fit:	11/13/2011 11:50:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000459	Re-Slope:	1.000000
A1 (Gain):	0.020704	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.997565	Status:	OK.
Std Error of Est:	0.003181		
MDL:	0.460960		
MQL:	1.536532		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00009	.000	.000	.00046	.000	1
S1	.10000	.00605	-.094	-93.9	.00061	.000	1
S2	1.2500	1.3117	.062	4.94	.02794	.000	1
S3	2.5000	2.5847	.085	3.39	.05462	.000	1
S4	5.0000	4.9847	-.015	-.306	.10496	.000	1
S5	10.000	9.9629	-.037	-.371	.20932	.000	1

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

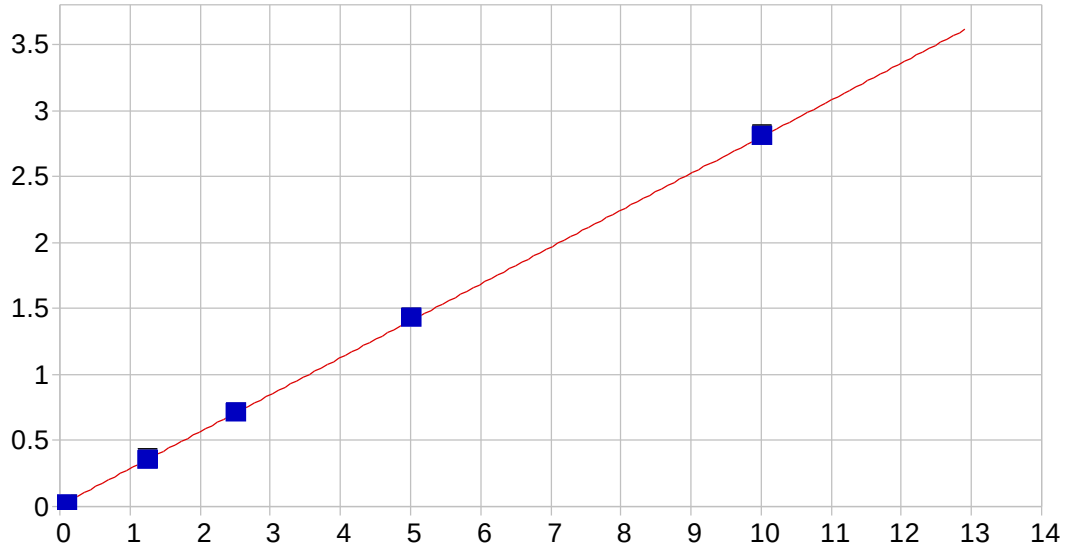


Sn 189.989 {478}

Date of Fit:	11/13/2011 11:50:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000375	Re-Slope:	1.000000
A1 (Gain):	0.083370	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.997185	Status:	OK.
Std Error of Est:	0.013608		
MDL:	0.489676		
MQL:	1.632254		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00010	.000	.000	.00038	.000	1
S1	.10000	-.00066	-.101	-101.	.00032	.000	1
S2	1.2500	1.2501	.000	.005	.10459	.000	1
S3	2.5000	2.5502	.050	2.01	.21299	.000	1
S4	5.0000	5.1318	.132	2.64	.42822	.001	1
S5	10.000	9.9186	-.081	-.814	.82729	.001	1



Ti 336.121 {100}

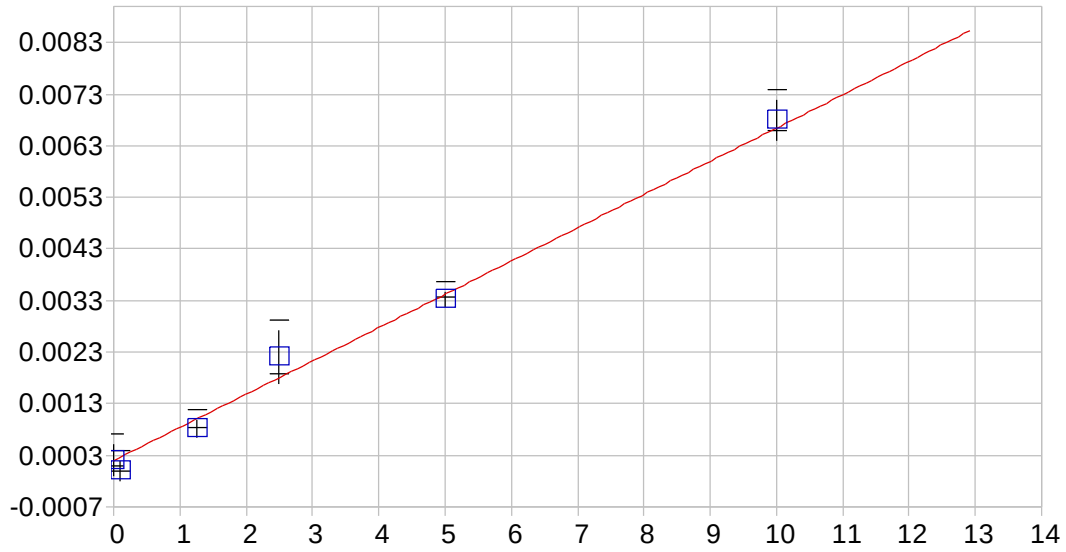
Date of Fit:	11/13/2011 11:50:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.005582	Re-Slope:	1.000000

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

A1 (Gain):	0.279552	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.997318	Status:	OK.
Std Error of Est:	0.044516		
MDL:	0.477721		
MQL:	1.592403		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00010	.000	.000	.00561	.000	1
S1	.10000	.00008	-.100	-99.9	.00560	.000	1
S2	1.2500	1.2347	-.015	-1.22	.35064	.005	1
S3	2.5000	2.5271	.027	1.09	.71181	.000	1
S4	5.0000	5.0700	.070	1.40	1.4224	.004	1
S5	10.000	10.018	.018	.180	2.8052	.003	1



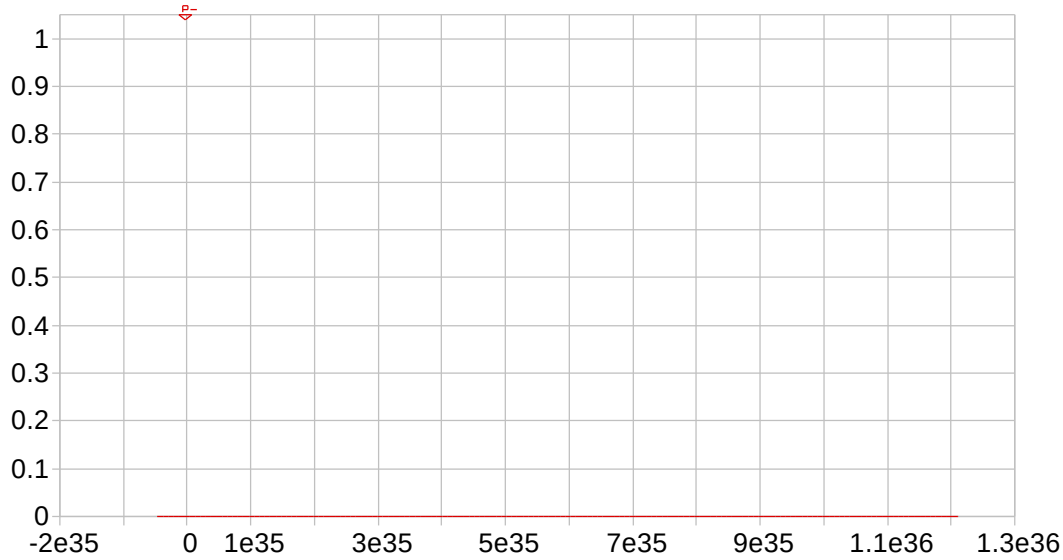
Li 670.784 { 50}

Date of Fit:	11/13/2011 11:50:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000194	Re-Slope:	1.000000
A1 (Gain):	0.000645	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.950749	Status:	OK.
Std Error of Est:	0.000456		
MDL:	2.123056		
MQL:	7.076852		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00042	.000	.000	.00019	.000	1
S1	.10000	-.32185	-.422	-422.	-.00001	.000	1
S2	1.2500	.97240	-.278	-22.2	.00082	.000	1
S3	2.5000	3.1135	.613	24.5	.00220	.001	1
S4	5.0000	4.8528	-.147	-2.94	.00332	.000	1
S5	10.000	10.233	.233	2.33	.00679	.000	1

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

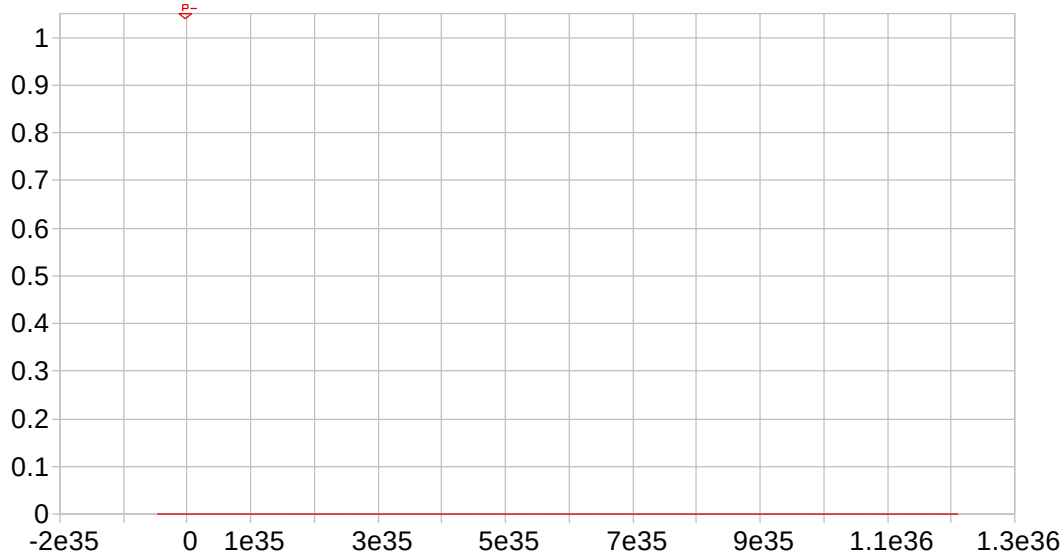


Y 224.306 {150}*

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		
MDL:	0.000000		
MQL:	0.000000		

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



Y 224.306 {450}*

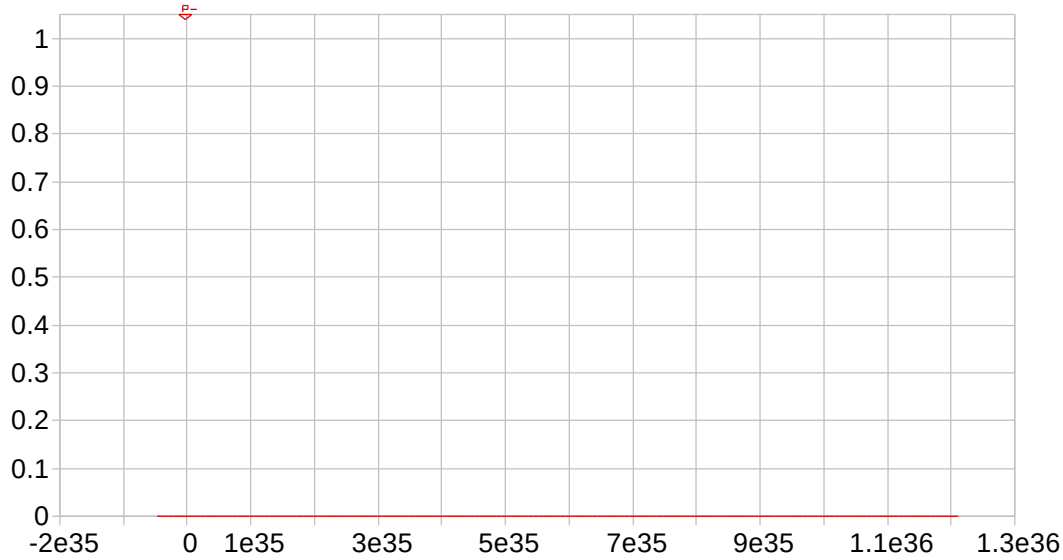
Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc

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		
MDL:	0.000000		

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

MQL:	0.000000

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

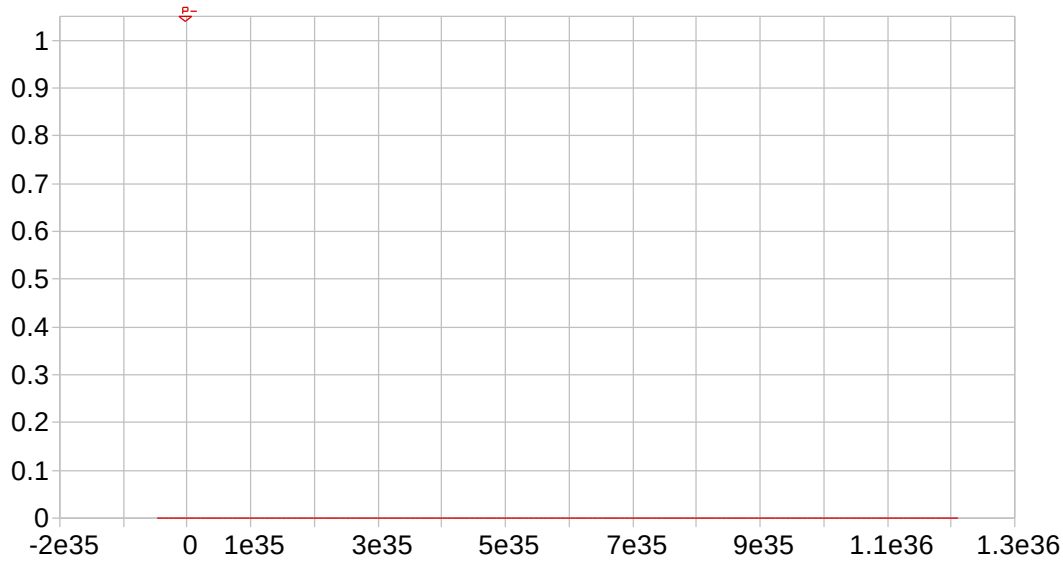


Y 360.073 { 94}*

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		
MDL:	0.000000		
MQL:	0.000000		

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



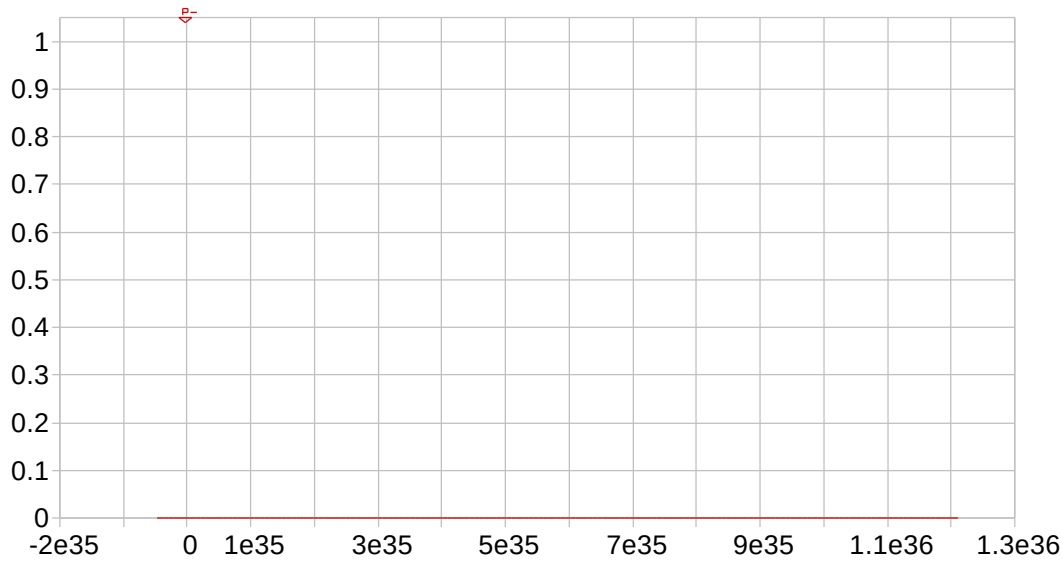
Y 371.030 { 91}*

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

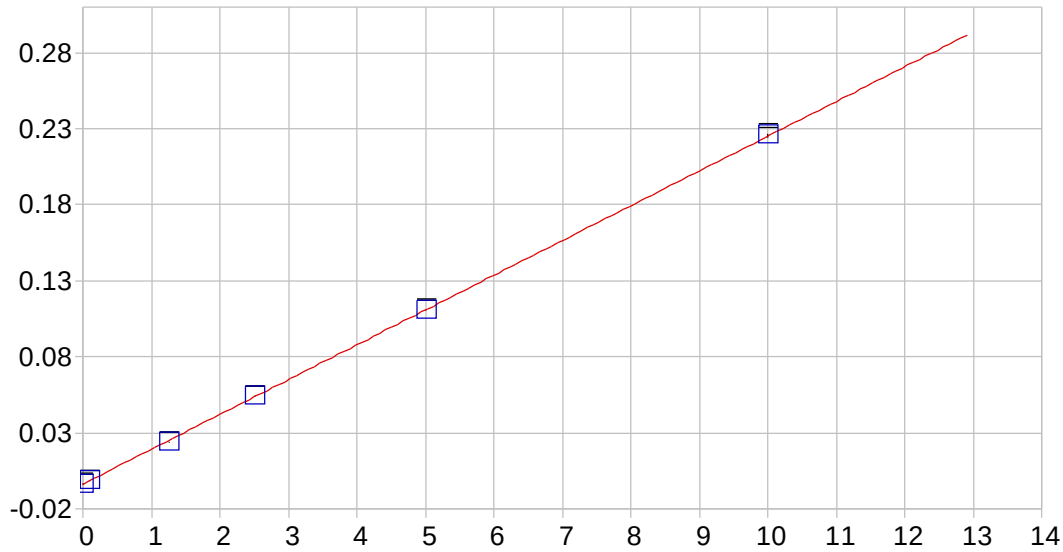
Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

A2 (Curvature):		0.000000					
n (Exponent):		1.000000					
Correlation:		0.000000		Status:	Warning	Zero Gain	
Std Error of Est:		0.000000					
MDL:		0.000000					
MQL:		0.000000					
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



ln 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					
MDL:		0.000000					
MQL:		0.000000					
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sr 407.771 { 83}

Date of Fit:	11/13/2011 11:50:35	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.003647	Re-Slope:	1.000000
A1 (Gain):	0.022870	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999930	Status:	OK.
Std Error of Est:	0.000588		
MDL:	0.077134		
MQL:	0.257114		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00365	.000	1
S1	.10000	.09897	-.001	-1.03	-.00138	.000	1
S5	10.000	10.021	.021	.205	.22552	.001	1
S4	5.0000	5.0033	.003	.066	.11078	.000	1
S3	2.5000	2.5300	.030	1.20	.05421	.000	1
S2	1.2500	1.1972	-.053	-4.22	.02373	.000	1

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: S0 Acquired: 11/13/2011 11:30:37 Type: Cal
Method: ISM01.3 INSTRUMENT P5(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00013	-.00028	-.00025	.00019	.00000	.00005	.04901	.00001
Stddev	.00002	.00008	.00015	.00001	.00013	.00017	.00100	.00007
%RSD	16.012	30.077	59.191	4.5975	13051.	328.25	2.0321	453.32
#1	-.00012	-.00027	-.00040	.00019	-.00012	.00014	.04952	-.00002
#2	-.00016	-.00037	-.00010	.00018	.00013	-.00014	.04965	-.00003
#3	-.00012	-.00020	-.00025	.00020	-.00001	.00016	.04787	.00009

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00006	.00101	.00001	-.00014	.00475	.00012	.00006	-.00002
Stddev	.00004	.00005	.00001	.00005	.00011	.00008	.00006	.00005
%RSD	66.866	4.5381	226.96	37.201	2.3062	65.033	103.36	216.93
#1	.00003	.00106	-.00001	-.00020	.00484	.00005	.00010	-.00004
#2	.00005	.00097	.00001	-.00013	.00479	.00011	-.00001	-.00006
#3	.00011	.00100	.00001	-.00009	.00463	.00021	.00010	.00003

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00022	-.00051	-.00458	-.00011	-.00026	.00279	-.00215	.00006
Stddev	.00009	.00003	.00038	.00012	.00094	.00010	.00006	.00003
%RSD	42.133	6.7359	8.3912	107.01	359.22	3.6584	2.9010	43.991
#1	-.00012	-.00049	-.00442	.00002	.00011	.00269	-.00220	.00009
#2	-.00031	-.00050	-.00502	-.00015	-.00133	.00278	-.00208	.00005
#3	-.00022	-.00055	-.00430	-.00022	.00043	.00290	-.00217	.00005

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00013	.00000	.00046	.00038	.00561	.00019	-.00365
Stddev	.00005	.00005	.00014	.00009	.00009	.00031	.00016
%RSD	36.553	1577.0	30.713	22.969	1.6698	159.80	4.2978
#1	.00009	.00001	.00062	.00028	.00555	.00031	-.00349
#2	.00011	.00004	.00040	.00041	.00556	-.00016	-.00380
#3	.00018	-.00005	.00036	.00045	.00572	.00043	-.00365

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: S0 Acquired: 11/13/2011 11:30:37 Type: Cal
Method: ISM01.3 INSTRUMENT P5(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	454.39	5784.4	109580.	21024.	6061.0
Stddev	5.28	13.3	459.	121.	10.0
%RSD	1.1618	.23026	.41909	.57612	.16497
#1	450.74	5769.1	109210.	21046.	6049.5
#2	451.99	5791.3	109440.	20894.	6066.7
#3	460.44	5792.9	110100.	21133.	6066.9

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: S1 Acquired: 11/13/2011 11:34:04 Type: Cal
Method: ISM01.3 INSTRUMENT P5(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00024	.00151	.00121	.00147	.00579	.00954	.70376	.00180
Stddev	.00005	.00009	.00005	.00001	.00005	.00006	.00324	.00009
%RSD	20.365	5.9800	3.9641	.91120	.91673	.66484	.45968	4.9412
#1	.00021	.00159	.00118	.00147	.00579	.00951	.70039	.00171
#2	.00020	.00152	.00118	.00146	.00585	.00950	.70684	.00180
#3	.00029	.00141	.00126	.00149	.00574	.00962	.70404	.00189

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00860	.18222	.00010	.02968	.00795	.00204	.00621	.03229
Stddev	.00009	.00101	.00001	.00018	.00011	.00012	.00001	.00005
%RSD	1.0322	.55663	12.067	.59670	1.3573	6.0349	.17505	.14990
#1	.00868	.18106	.00012	.02948	.00793	.00216	.00621	.03230
#2	.00861	.18290	.00009	.02975	.00807	.00205	.00620	.03232
#3	.00851	.18272	.00010	.02980	.00786	.00192	.00622	.03223

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.01816	.00130	.01890	.00410	.08537	.06178	-.00211	.00004
Stddev	.00014	.00002	.00052	.00005	.00158	.00022	.00004	.00007
%RSD	.79113	1.7433	2.7492	1.1404	1.8481	.36117	2.0373	174.14
#1	.01799	.00129	.01849	.00405	.08379	.06157	-.00215	.00003
#2	.01823	.00129	.01872	.00412	.08537	.06176	-.00207	.00012
#3	.01825	.00133	.01948	.00414	.08695	.06201	-.00211	-.00002

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00008	-.00001	.00061	.00032	.00560	-.00001	-.00138
Stddev	.00008	.00006	.00012	.00004	.00008	.00020	.00018
%RSD	102.38	529.47	19.381	11.480	1.5165	1543.3	12.693
#1	.00012	-.00007	.00075	.00031	.00569	.00007	-.00150
#2	.00013	.00004	.00056	.00029	.00556	.00013	-.00147
#3	-.00001	.00000	.00053	.00036	.00554	-.00024	-.00118

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: S1 Acquired: 11/13/2011 11:34:04 Type: Cal
Method: ISM01.3 INSTRUMENT P5(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	454.39	5702.7	107770.	21010.	5913.6
Stddev	2.83	14.4	461.	31.	6.0
%RSD	.62362	.25287	.42766	.14725	.10167
#1	452.30	5686.0	108050.	21001.	5907.2
#2	453.27	5711.6	107240.	20984.	5914.5
#3	457.62	5710.3	108020.	21044.	5919.1

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: S2 Acquired: 11/13/2011 11:37:29 Type: Cal
Method: ISM01.3 INSTRUMENT P5(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.04521	.09238	.86364	.04982	.12428	1.8740	8.1548	.04472
Stddev	.00020	.00014	.00189	.00021	.00034	.0221	.1017	.00059
%RSD	.43257	.15231	.21854	.42569	.27417	1.1770	1.2477	1.3280
#1	.04544	.09238	.86461	.05006	.12464	1.8488	8.0397	.04403
#2	.04509	.09224	.86147	.04976	.12424	1.8901	8.2328	.04507
#3	.04511	.09252	.86485	.04965	.12396	1.8830	8.1918	.04505

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.0891	2.2830	.04656	.41235	.44098	.75774	1.4622	.42758
Stddev	.0007	.0336	.00042	.00092	.00381	.00924	.0201	.00632
%RSD	.06709	1.4732	.90786	.22218	.86460	1.2191	1.3732	1.4781
#1	1.0885	2.2443	.04607	.41209	.43668	.74721	1.4394	.42039
#2	1.0890	2.3048	.04678	.41159	.44395	.76448	1.4773	.43227
#3	1.0899	2.3000	.04683	.41337	.44231	.76153	1.4698	.43008

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.29279	.05462	.17019	.05442	5.3915	.44537	-.00292	.03410
Stddev	.00065	.00011	.00197	.00071	.0477	.00529	.00000	.00073
%RSD	.22272	.19276	1.1567	1.3014	.88410	1.1880	.09984	2.1364
#1	.29349	.05451	.16794	.05371	5.3623	.44093	-.00293	.03328
#2	.29220	.05471	.17158	.05442	5.4465	.45122	-.00292	.03466
#3	.29267	.05465	.17105	.05513	5.3658	.44395	-.00292	.03436

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.47532	.00035	.02794	.10459	.35064	.00082	.02373
Stddev	.00054	.00005	.00010	.00020	.00468	.00017	.00013
%RSD	.11319	12.996	.35658	.18822	1.3353	21.158	.52849
#1	.47577	.00031	.02783	.10481	.34525	.00067	.02374
#2	.47546	.00035	.02800	.10442	.35373	.00101	.02385
#3	.47473	.00040	.02800	.10455	.35293	.00078	.02360

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: S2 Acquired: 11/13/2011 11:37:29 Type: Cal
Method: ISM01.3 INSTRUMENT P5(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	445.17	5407.5	102560.	20855.	5260.7
Stddev	4.47	24.6	355.	124.	14.1
%RSD	1.0042	.45431	.34644	.59306	.26799
#1	442.97	5388.3	102750.	20941.	5246.7
#2	442.22	5399.1	102150.	20713.	5260.7
#3	450.31	5435.2	102790.	20910.	5274.9

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: S3 Acquired: 11/13/2011 11:40:40 Type: Cal
Method: ISM01.3 INSTRUMENT P5(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.09368	.18693	1.7613	.10196	.25738	3.9652	16.568	.09284
Stddev	.00052	.00034	.0029	.00042	.00152	.0070	.089	.00005
%RSD	.55704	.18409	.16420	.40844	.59140	.17659	.53439	.05678
#1	.09426	.18725	1.7609	.10241	.25861	3.9732	16.472	.09282
#2	.09353	.18696	1.7643	.10189	.25785	3.9618	16.586	.09281
#3	.09325	.18657	1.7585	.10159	.25568	3.9605	16.647	.09290

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.2292	4.7057	.09563	.84822	.90906	1.5315	2.9766	.89050
Stddev	.0024	.0049	.00110	.00097	.00286	.0013	.0022	.00142
%RSD	.10948	.10358	1.1470	.11446	.31462	.08741	.07237	.15980
#1	2.2265	4.7011	.09440	.84852	.91231	1.5312	2.9778	.88900
#2	2.2313	4.7108	.09599	.84901	.90794	1.5330	2.9779	.89183
#3	2.2297	4.7053	.09651	.84714	.90693	1.5304	2.9741	.89067

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.60068	.11401	.35976	.11200	11.119	.92032	-.00379	.07024
Stddev	.00153	.00118	.00165	.00052	.012	.00249	.00011	.00011
%RSD	.25465	1.0370	.45915	.46289	.10774	.27029	2.8387	.15183
#1	.60241	.11266	.36156	.11254	11.107	.92318	-.00375	.07013
#2	.59952	.11453	.35831	.11196	11.120	.91912	-.00370	.07034
#3	.60010	.11485	.35941	.11150	11.131	.91865	-.00391	.07026

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.96243	.00068	.05462	.21299	.71181	.00220	.05421
Stddev	.00321	.00007	.00012	.00048	.00038	.00052	.00022
%RSD	.33349	9.6958	.22879	.22487	.05278	23.823	.40622
#1	.96604	.00075	.05449	.21267	.71163	.00191	.05434
#2	.96133	.00067	.05463	.21354	.71224	.00281	.05435
#3	.95991	.00062	.05474	.21275	.71156	.00189	.05396

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: S3 Acquired: 11/13/2011 11:40:40 Type: Cal
Method: ISM01.3 INSTRUMENT P5(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	427.26	5211.0	98883.	20168.	4950.9
Stddev	2.15	28.1	796.	86.	14.3
%RSD	.50353	.54021	.80533	.42406	.28870
#1	425.54	5179.0	99791.	20117.	4935.1
#2	426.57	5222.3	98304.	20121.	4954.5
#3	429.67	5231.8	98553.	20267.	4963.0

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: S4 Acquired: 11/13/2011 11:43:55 Type: Cal
Method: ISM01.3 INSTRUMENT P5(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.19373	.36806	3.5451	.20785	.53261	8.0715	33.237	.18712
Stddev	.00004	.00060	.0067	.00058	.00122	.0265	.164	.00024
%RSD	.02031	.16236	.18868	.27977	.22926	.32819	.49398	.12603
#1	.19370	.36768	3.5443	.20778	.53128	8.0802	33.072	.18688
#2	.19378	.36875	3.5522	.20846	.53368	8.0925	33.237	.18735
#3	.19372	.36776	3.5389	.20731	.53288	8.0417	33.401	.18712

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.4703	9.4453	.19194	1.7101	1.8337	3.0366	5.8879	1.8226
Stddev	.0043	.0134	.00091	.0039	.0079	.0053	.0154	.0014
%RSD	.09587	.14168	.47502	.22919	.43214	.17453	.26171	.07791
#1	4.4671	9.4523	.19102	1.7076	1.8408	3.0368	5.8920	1.8227
#2	4.4751	9.4536	.19284	1.7146	1.8351	3.0418	5.9008	1.8239
#3	4.4686	9.4298	.19197	1.7081	1.8251	3.0312	5.8708	1.8211

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.2049	.23730	.72757	.22345	22.665	1.8915	-.00586	.14098
Stddev	.0014	.00031	.00398	.00076	.075	.0049	.00007	.00032
%RSD	.11890	.13005	.54756	.34168	.33022	.25729	1.1771	.22772
#1	1.2034	.23763	.73009	.22368	22.624	1.8935	-.00584	.14132
#2	1.2063	.23727	.72964	.22408	22.751	1.8951	-.00594	.14069
#3	1.2048	.23701	.72298	.22260	22.619	1.8860	-.00581	.14094

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.9319	.00141	.10496	.42822	1.4224	.00332	.11078
Stddev	.0021	.00005	.00044	.00127	.0040	.00015	.00045
%RSD	.10722	3.4843	.42083	.29549	.28446	4.5495	.41036
#1	1.9304	.00142	.10512	.42773	1.4262	.00346	.11124
#2	1.9343	.00136	.10530	.42965	1.4229	.00316	.11075
#3	1.9310	.00146	.10446	.42727	1.4182	.00335	.11034

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: S4 Acquired: 11/13/2011 11:43:55 Type: Cal
Method: ISM01.3 INSTRUMENT P5(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	409.54	4917.8	95158.	19813.	4590.0
Stddev	1.71	6.1	76.	64.	4.7
%RSD	.41781	.12366	.08006	.32224	.10165
#1	408.16	4910.8	95244.	19744.	4584.6
#2	409.00	4921.3	95129.	19825.	4592.5
#3	411.45	4921.3	95100.	19870.	4592.9

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: S5 Acquired: 11/13/2011 11:47:09 Type: Cal
Method: ISM01.3 INSTRUMENT P5(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.39416	.70315	6.8887	.41705	1.0879	16.121	65.153	.37116
Stddev	.00175	.00164	.0055	.00135	.0021	.119	.427	.00174
%RSD	.44360	.23346	.07972	.32472	.19091	.73779	.65501	.46989
#1	.39385	.70455	6.8851	.41718	1.0894	16.079	64.695	.37069
#2	.39604	.70355	6.8951	.41834	1.0888	16.029	65.539	.36971
#3	.39258	.70134	6.8861	.41564	1.0855	16.256	65.227	.37310

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	8.5994	18.007	.38613	3.3269	3.7249	5.8359	11.349	3.6160
Stddev	.0125	.073	.00114	.0037	.0028	.0081	.031	.0077
%RSD	.14570	.40735	.29451	.11080	.07563	.13941	.27539	.21280
#1	8.6035	17.939	.38586	3.3270	3.7268	5.8289	11.337	3.6110
#2	8.6095	17.996	.38516	3.3306	3.7217	5.8339	11.324	3.6121
#3	8.5854	18.085	.38738	3.3232	3.7263	5.8448	11.384	3.6248

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.3302	.49575	1.4601	.43721	45.415	3.8289	-.00948	.27712
Stddev	.0046	.00169	.0006	.00069	.171	.0107	.00002	.00107
%RSD	.19790	.34166	.03896	.15886	.37572	.27907	.25655	.38628
#1	2.3302	.49630	1.4598	.43719	45.600	3.8275	-.00950	.27606
#2	2.3349	.49385	1.4598	.43652	45.381	3.8402	-.00946	.27711
#3	2.3257	.49710	1.4608	.43791	45.264	3.8190	-.00948	.27820

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3.7791	.00263	.20932	.82729	2.8052	.00679	.22552
Stddev	.0091	.00018	.00030	.00123	.0026	.00041	.00120
%RSD	.24122	6.8467	.14546	.14868	.09317	5.9746	.53220
#1	3.7794	.00245	.20916	.82647	2.8025	.00673	.22610
#2	3.7881	.00263	.20914	.82870	2.8077	.00642	.22414
#3	3.7699	.00281	.20968	.82670	2.8054	.00723	.22632

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: S5 Acquired: 11/13/2011 11:47:09 Type: Cal
Method: ISM01.3 INSTRUMENT P5(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	384.88	4550.6	89578.	19387.	4205.7
Stddev	1.91	13.5	410.	82.	9.8
%RSD	.49689	.29760	.45807	.42475	.23416
#1	382.84	4551.9	89677.	19391.	4208.1
#2	386.64	4536.4	89930.	19467.	4194.9
#3	385.14	4563.4	89127.	19303.	4214.1

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: ICV Acquired: 11/13/2011 12:10:29 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: ICV19 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9374674	1.075020	.9936078	.9382527	.9104884	2.465673	.5100470
Stddev	.0055367	.000548	.0027214	.0094594	.0037753	.000895	.0002297
%RSD	.5906011	.0509686	.2738910	1.008192	.4146482	.0363124	.0450299
#1	.9388648	1.074454	.9952899	.9464706	.9121075	2.464937	.5097902
#2	.9313659	1.075548	.9950654	.9279124	.9061736	2.466670	.5102329
#3	.9421715	1.075058	.9904681	.9403750	.9131842	2.465412	.5101177

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4730414	.4917673	10.28007	.4888468	.4868219	.4934244	5.088605
Stddev	.0014772	.0006971	.04296	.0023703	.0003897	.0013057	.021285
%RSD	.3122701	.1417565	.4179142	.4848709	.0800469	.2646105	.4182789
#1	.4713368	.4909727	10.24551	.4915136	.4870711	.4944846	5.068846
#2	.4739457	.4920532	10.26653	.4880467	.4863729	.4938226	5.085828
#3	.4738418	.4922760	10.32817	.4869802	.4870218	.4919660	5.111142

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5225151	5.479876	.5062312	.4498366	9.776815	.5097074	.9815460
Stddev	.0019093	.027111	.0003603	.0020929	.073671	.0021408	.0018496
%RSD	.3654127	.4947396	.0711655	.4652606	.7535272	.4200036	.1884398
#1	.5203285	5.463501	.5063376	.4517138	9.710955	.5076760	.9835818
#2	.5238529	5.511170	.5058298	.4502162	9.763117	.5119429	.9799687
#3	.5233638	5.464957	.5065264	.4475799	9.856374	.5095034	.9810876

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.554893	.0740415	2.412229	2.444215	-.524348	2.265200	2.317022
Stddev	.041155	.1217906	.004262	.010366	.555967	.009054	.003510
%RSD	.4307200	164.4896	.1766967	.4241072	106.0301	.3996937	.1514831
#1	9.517594	.0002321	2.411017	2.451954	-1.08984	2.273729	2.319142
#2	9.599044	.2146144	2.408704	2.432437	-.50479	2.255700	2.318955
#3	9.548040	.0072781	2.416966	2.448253	.02158	2.266171	2.312971

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: ICV Acquired: 11/13/2011 12:10:29 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: ICV19 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	2.434725	.8850498	2.459004
Stddev	.002328	.5946079	.011491
%RSD	.0956007	67.18355	.4673097
#1	2.435033	.4769325	2.470430
#2	2.436884	.6109466	2.459132
#3	2.432259	1.567270	2.447449

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	455.5994	5616.443	106574.2	21006.75	5746.776
Stddev	2.8596	23.801	426.3	51.45	11.066
%RSD	.6276641	.4237758	.3999654	.2449137	.1925557
#1	452.9784	5597.284	106130.8	20965.88	5734.898
#2	455.1703	5643.087	106610.8	20989.85	5756.794
#3	458.6492	5608.958	106980.9	21064.53	5748.637

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: ICB Acquired: 11/13/2011 12:13:41 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: ICB19 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008580	.0009280	.0002468	-.000646	.0000150	.0020518
Stddev	.0012761	.0003915	.0005829	.001408	.0010057	.0040720
%RSD	148.7193	42.18781	236.1445	217.8670	6692.885	198.4602
#1	.0021082	.0004806	.0000000	.000979	.0010485	.0041727
#2	-.000442	.0012076	.0009125	-.001489	-.000960	.0046256
#3	.000908	.0010958	-.000172	-.001429	-.000043	-.002643

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000108	.0000311	.0000058	-.008391	-.001006	.0001212
Stddev	.000539	.0000336	.0000516	.003548	.001262	.0000372
%RSD	500.4093	108.0119	890.8565	42.28950	125.4551	30.70478
#1	-.000422	.0000437	.0000450	-.006539	.000315	.0001602
#2	.000514	-.000007	.0000250	-.006151	-.001133	.0001172
#3	-.000415	.000057	-.000053	-.012482	-.002200	.0000861

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004606	.0011695	-.000176	.0015487	-.000142	-.000364
Stddev	.0015123	.0020650	.000158	.0065553	.000253	.000138
%RSD	328.3113	176.5710	89.51846	423.2726	178.2053	37.92662
#1	-.001012	.0031392	-.000000	-.004967	.000148	-.000266
#2	.002010	-.000979	-.000305	.008143	-.000260	-.000523
#3	.000384	.001349	-.000223	.001470	-.000313	-.000305

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0269547	.0002267	.0006738	.0293989	.0778905	.0077215
Stddev	.0247531	.0010218	.0012415	.0087171	.0978057	.0039595
%RSD	91.83205	450.6962	184.2535	29.65117	125.5682	51.27863
#1	.0543336	-.000704	-.000594	.0226076	.0890190	.0122852
#2	.0061579	.000064	.001887	.0392286	-.025003	.0051999
#3	.0203727	.001320	.000728	.0263606	.169656	.0056795

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: ICB Acquired: 11/13/2011 12:13:41 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: ICB19 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0043501	-.472257	.0047589	.0004048	.0005469	F.1639957
Stddev	.0013200	.182014	.0081773	.0002796	.0006408	.3226135
%RSD	30.34428	38.54123	171.8318	69.07814	117.1689	196.7207
#1	.0057618	-.547153	.0141857	.0006589	.0009966	.4508139
#2	.0041419	-.264744	.0005149	.0004502	.0008308	.2264531
#3	.0031465	-.604872	-.000424	.0001052	-.000187	-.185280

Elem	Sr4077
Units	ppm
Avg	-.007318
Stddev	.006200
%RSD	84.71295
#1	-.006371
#2	-.013937
#3	-.001647

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	451.6568	5719.058	108641.8	20870.60	6021.068
Stddev	3.5135	20.765	393.8	149.77	22.824
%RSD	.7779132	.3630832	.3624763	.7176150	.3790759
#1	451.0122	5699.197	108896.8	20961.45	6001.057
#2	448.5103	5717.355	108188.3	20697.73	6016.220
#3	455.4480	5740.622	108840.4	20952.61	6045.927

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: ICSA Acquired: 11/13/2011 12:17:07 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: ICSA19 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0042221	-.000514	.0115118	-.000795	.0026220	234.8418
Stddev	.0015573	.000693	.0023840	.001972	.0005664	.9060
%RSD	36.88509	134.6417	20.70889	248.0036	21.60149	.3857965
#1	.0051302	.000033	.0114575	-.003071	.0020191	235.8573
#2	.0024239	-.001293	.0091554	.000357	.0027039	234.1163
#3	.0051123	-.000284	.0139224	.000330	.0031430	234.5518

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0026804	.0018363	.0043550	248.4408	.0431834	.0026000
Stddev	.0004876	.0001336	.0001326	1.1513	.0011618	.0001710
%RSD	18.18921	7.275791	3.044950	.4634249	2.690396	6.576673
#1	.0025497	.0019421	.0042652	247.8750	.0431729	.0025403
#2	.0022716	.0018806	.0042925	247.6819	.0443505	.0024668
#3	.0032200	.0016861	.0045073	249.7656	.0420270	.0027928

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0201429	93.08908	.0232177	235.2287	.0187576	-.002094
Stddev	.0000684	.19496	.0002847	.8917	.0004455	.000187
%RSD	.3395116	.2094302	1.226174	.3790614	2.374985	8.930939
#1	.0200658	93.00683	.0230306	234.6328	.0184366	-.002308
#2	.0201962	92.94873	.0235453	234.7994	.0192662	-.001963
#3	.0201666	93.31168	.0230771	236.2538	.0185701	-.002009

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8583302	.0033200	.0303168	-.011600	F-4.64613	.0084831
Stddev	.0369417	.0006279	.0010580	.018504	.11311	.0019736
%RSD	4.303898	18.91253	3.489857	159.5207	2.434467	23.26453
#1	.8968918	.0040447	.0307477	-.011447	-4.75767	.0106143
#2	.8232558	.0029395	.0291114	-.030180	-4.64922	.0067187
#3	.8548431	.0029757	.0310914	.006827	-4.53151	.0081162

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: ICSA Acquired: 11/13/2011 12:17:07 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: ICSA19 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011395	5.030986	.0097719	-.001983	-.004452	4.692428
Stddev	.0003724	.470510	.0120961	.001236	.000662	.528628
%RSD	32.68401	9.352238	123.7846	62.32026	14.87333	11.26555
#1	.0014761	4.877927	.0236730	-.000923	-.004989	4.138086
#2	.0007394	5.558968	.0016440	-.001687	-.004654	5.190905
#3	.0012030	4.656063	.0039987	-.003341	-.003712	4.748294

Elem	Sr4077
Units	ppm
Avg	F 19.62177
Stddev	.14996
%RSD	.7642468
#1	19.77726
#2	19.47803
#3	19.61003

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	433.5721	5155.615	97911.76	20350.77	4872.337
Stddev	5.6490	5.014	422.51	123.51	7.264
%RSD	1.302886	.0972525	.4315259	.6069203	.1490955
#1	427.8405	5152.829	97462.12	20276.08	4865.041
#2	439.1346	5152.613	97972.61	20493.34	4879.569
#3	433.7413	5161.404	98300.56	20282.90	4872.401

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: ICSAB Acquired: 11/13/2011 12:20:30 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: ICSAB19 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1007190	.1015479	.0618625	.0469763	.5631995	241.6652
Stddev	.0019107	.0019222	.0021040	.0046899	.0025928	.9398
%RSD	1.897079	1.892953	3.401063	9.983624	.4603763	.3888890
#1	.1024013	.1017882	.0636040	.0523031	.5627125	240.7596
#2	.1011142	.0995168	.0595247	.0434676	.5608848	242.6358
#3	.0986416	.1033387	.0624587	.0451582	.5660014	241.6002

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5029519	.4886973	.9933531	254.5574	.5270699	.4887146
Stddev	.0017504	.0015852	.0002831	.2896	.0007335	.0010175
%RSD	.3480264	.3243726	.0284990	.1137849	.1391648	.2082020
#1	.5044375	.4870033	.9932621	254.5861	.5262251	.4897840
#2	.5033960	.4889438	.9936705	254.2544	.5274399	.4886014
#3	.5010222	.4901448	.9931268	254.8316	.5275446	.4877585

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5073110	95.10323	.5274528	240.5438	1.022852	.2005233
Stddev	.0029954	.03989	.0022146	.4578	.000278	.0007533
%RSD	.5904480	.0419428	.4198595	.1903167	.0271975	.3756746
#1	.5051560	95.10055	.5249041	240.0206	1.022768	.1996556
#2	.5107314	95.06476	.5289070	240.8706	1.023163	.2009041
#3	.5060454	95.14440	.5285472	240.7403	1.022626	.2010101

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9185913	.4937440	1.012253	.0138576	F-4.76752	.0076460
Stddev	.1110462	.0035820	.016662	.0227462	.04283	.0010292
%RSD	12.08875	.7254738	1.645999	164.1426	.8983042	13.46042
#1	.8436349	.4912179	1.013908	.0338065	-4.76926	.0083360
#2	.8659729	.4978433	1.028025	-.010913	-4.72385	.0064631
#3	1.046166	.4921706	.994825	.018679	-4.80945	.0081390

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: ICSAB Acquired: 11/13/2011 12:20:30 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: ICSAB19 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015195	5.035668	.0117684	-.002371	-.004827	4.508746
Stddev	.0003739	.022872	.0121455	.000621	.000622	.341691
%RSD	24.60443	.4541903	103.2039	26.19335	12.88500	7.578414
#1	.0014100	5.014584	.0254749	-.003048	-.004604	4.902386
#2	.0019359	5.059983	.0023438	-.002235	-.004347	4.335135
#3	.0012126	5.032437	.0074865	-.001829	-.005529	4.288716

Elem	Sr4077
Units	ppm
Avg	F20.41561
Stddev	.09446
%RSD	.4626654
#1	20.32246
#2	20.51132
#3	20.41306

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	422.3233	5077.937	96270.26	19901.99	4816.539
Stddev	6.2740	16.368	57.41	35.46	13.721
%RSD	1.485601	.3223435	.0596351	.1781554	.2848765
#1	418.5530	5059.185	96207.18	19869.82	4800.701
#2	418.8509	5089.364	96319.45	19896.14	4824.832
#3	429.5659	5085.262	96284.15	19940.01	4824.084

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCV Acquired: 11/13/2011 12:23:48 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV14 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.637616	4.741161	23.48427	4.653286	4.623090	146.6133
Stddev	.002321	.015132	.06247	.011528	.015418	.5630
%RSD	.0500512	.3191571	.2659941	.2477405	.3334936	.3840263
#1	4.640120	4.745708	23.49200	4.658181	4.618318	146.1222
#2	4.637191	4.753497	23.54251	4.661558	4.640330	147.2278
#3	4.635536	4.724277	23.41830	4.640118	4.610623	146.4897

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.520187	.4700076	2.375773	239.8093	14.54981	2.362469
Stddev	.108239	.0032809	.007785	1.6026	.03639	.007095
%RSD	1.136944	.6980509	.3277015	.6682606	.2500968	.3003332
#1	9.462309	.4662204	2.379992	238.0322	14.51295	2.364373
#2	9.645060	.4719855	2.380537	241.1446	14.55078	2.368418
#3	9.453193	.4718170	2.366788	240.2512	14.58570	2.354616

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.54072	139.5314	14.28955	228.5732	2.368589	1.151973
Stddev	.03542	.5946	.08318	1.3310	.006161	.004767
%RSD	.2435996	.4261629	.5820840	.5822864	.2600995	.4138495
#1	14.50187	138.8544	14.19703	227.0662	2.368630	1.156576
#2	14.57123	139.9694	14.35813	229.5878	2.374729	1.152287
#3	14.54906	139.7702	14.31349	229.0657	2.362407	1.147056

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	141.7475	2.389493	14.13272	140.5896	F-138.376	4.820022
Stddev	.4887	.010064	.04856	.1613	.508	.027361
%RSD	.3447444	.4211629	.3436251	.1147172	.3674289	.5676477
#1	141.3503	2.379730	14.18122	140.5234	-138.833	4.790304
#2	142.2932	2.399832	14.08409	140.4720	-138.465	4.844167
#3	141.5990	2.388916	14.13284	140.7735	-137.828	4.825595

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCV Acquired: 11/13/2011 12:23:48 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV14 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.829621	234.7105	4.936624	4.827933	4.834896	F2999.582
Stddev	.023038	.7603	.014692	.013995	.007979	24.714
%RSD	.4770187	.3239393	.2976042	.2898679	.1650214	.8239043
#1	4.825510	234.5838	4.926292	4.829249	4.829981	2985.760
#2	4.854438	235.5263	4.953443	4.841223	4.844102	3028.114
#3	4.808914	234.0216	4.930137	4.813326	4.830606	2984.871

Elem	Sr4077
Units	ppm
Avg	F449.2660
Stddev	3.3206
%RSD	.7391145
#1	448.3289
#2	452.9544
#3	446.5146

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	408.2184	4886.599	94139.97	19631.45	4594.828
Stddev	2.5050	25.313	352.50	107.94	15.385
%RSD	.6136405	.5180008	.3744414	.5498246	.3348432
#1	405.9688	4886.807	93900.02	19690.72	4592.505
#2	407.7685	4861.183	93975.21	19506.86	4580.736
#3	410.9178	4911.807	94544.68	19696.76	4611.243

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCB Acquired: 11/13/2011 12:27:08 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB14 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016008	.0049482	.0002263	-.000149	-.000311	.0090287
Stddev	.0010799	.0005724	.0004776	.001217	.000560	.0051205
%RSD	67.46137	11.56880	211.0308	816.8483	180.3073	56.71296
#1	.0004074	.0053243	-.000285	-.001083	-.000171	.0149413
#2	.0018843	.0042894	.000661	.001228	.000166	.0060514
#3	.0025106	.0052308	.000303	-.000592	-.000928	.0060935

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000232	-.000014	-.000012	-.008359	.0002980	.0000202
Stddev	.000156	.000068	.000013	.003460	.0013480	.0002243
%RSD	67.07216	493.6823	108.5192	41.39702	452.2857	1112.380
#1	-.000057	-.000078	-.000004	-.012212	.0004485	.0000494
#2	-.000355	.000057	-.000005	-.005516	.0015645	-.000217
#3	-.000285	-.000020	-.000027	-.007349	-.001119	.000228

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000180	.0223727	.0000304	.0039122	-.000164	-.000445
Stddev	.002202	.0254443	.0000884	.0068467	.000250	.000177
%RSD	1225.060	113.7291	290.6252	175.0086	152.2872	39.85174
#1	.002327	.0500987	.0001299	-.002299	-.000446	-.000642
#2	-.001065	.0169276	.0000006	.011254	.000030	-.000299
#3	-.001801	.0000917	-.000039	.002782	-.000076	-.000394

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1218400	.0003337	.0011259	.0746740	.0716286	.0104919
Stddev	.0468296	.0005815	.0002837	.0178469	.0508367	.0003364
%RSD	38.43533	174.2390	25.19652	23.89970	70.97260	3.205800
#1	.1424348	.0010051	.0008045	.0722730	.0809728	.0106947
#2	.1548426	.0000063	.0012314	.0581492	.1171450	.0106773
#3	.0682424	-.000010	.0013416	.0935998	.0167680	.0101036

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCB Acquired: 11/13/2011 12:27:08 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB14 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0069940	-.124090	.0056311	-.000273	-.000026	F.5717914
Stddev	.0015760	.121901	.0141493	.001043	.001260	.1932466
%RSD	22.53427	98.23561	251.2705	381.8801	4930.580	33.79669
#1	.0087256	-.263858	.0216779	-.000634	.001375	.4099201
#2	.0066130	-.068648	-.005053	.000902	-.001069	.5197139
#3	.0056433	-.039765	.000268	-.001088	-.000383	.7857402

Elem	Sr4077
Units	ppm
Avg	-.002402
Stddev	.004265
%RSD	177.5860
#1	-.007326
#2	-.000041
#3	.000161

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	455.9655	5678.784	108135.0	20720.47	6007.604
Stddev	5.0073	25.539	623.2	172.54	13.689
%RSD	1.098185	.4497345	.5762913	.8327116	.2278552
#1	450.2299	5649.633	108647.4	20527.06	5991.798
#2	458.2003	5689.496	108316.3	20858.57	6015.590
#3	459.4662	5697.224	107441.2	20775.79	6015.425

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4383-04X10 Acquired: 11/13/2011 12:41:20 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MA3XA7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0604150	.0018612	.5890554	-.003670	.0264373	4.135128
Stddev	.0003437	.0012127	.0180742	.000428	.0009908	.028805
%RSD	.5689455	65.15831	3.068331	11.64816	3.747732	.6965863
#1	.0606720	.0032024	.5783535	-.003957	.0253126	4.125674
#2	.0600246	.0008417	.5788894	-.003875	.0268185	4.167472
#3	.0605486	.0015396	.6099234	-.003179	.0271809	4.112238

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2525965	.0019583	.0069491	3.584655	.0389443	.0121943
Stddev	.0020109	.0002316	.0002229	.020553	.0012596	.0004920
%RSD	.7960912	11.82494	3.207353	.5733557	3.234357	4.034994
#1	.2530712	.0020774	.0067755	3.592159	.0395459	.0119711
#2	.2543276	.0021060	.0068713	3.600402	.0374967	.0118534
#3	.2503908	.0016914	.0072004	3.561405	.0397903	.0127584

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0973780	121.8823	.7026022	.3443646	.0260765	-.001667
Stddev	.0014033	.4231	.0034149	.0141007	.0009322	.000296
%RSD	1.441076	.3471438	.4860436	4.094696	3.574715	17.74132
#1	.0988360	121.5317	.7016967	.3281413	.0255351	-.001964
#2	.0972612	122.3522	.7063786	.3512795	.0255416	-.001663
#3	.0960367	121.7629	.6997312	.3536730	.0271529	-.001373

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4687872	.0193707	.3055933	.4513406	F-49.8607	.0195488
Stddev	.0457505	.0011511	.0041516	.0199574	1.6270	.0013323
%RSD	9.759337	5.942644	1.358537	4.421796	3.263187	6.815235
#1	.4184952	.0204783	.3031023	.4669010	-48.8652	.0210830
#2	.4799279	.0194533	.3103859	.4582812	-48.9785	.0186829
#3	.5079384	.0181805	.3032917	.4288396	-51.7383	.0188806

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4383-04X10 Acquired: 11/13/2011 12:41:20 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MA3XA7 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0039232	62.96101	.6161500	.7732766	.0931870	4.401485
Stddev	.0001854	2.02493	.0061367	.0247104	.0002013	.545773
%RSD	4.725040	3.216169	.9959731	3.195540	.2160318	12.39976
#1	.0041227	61.59708	.6160722	.7548416	.0929578	4.693096
#2	.0037563	61.99824	.6223252	.7636336	.0933351	4.739509
#3	.0038906	65.28770	.6100526	.8013545	.0932682	3.771850

Elem	Sr4077
Units	ppm
Avg	F 11.17390
Stddev	.12947
%RSD	1.158721
#1	11.18646
#2	11.29664
#3	11.03861

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	453.9260	5524.547	107884.7	21462.81	5735.086
Stddev	2.6163	134.793	354.8	45.99	141.526
%RSD	.5763750	2.439896	.3288354	.2142915	2.467714
#1	453.7664	5608.626	107571.6	21451.49	5828.757
#2	451.3931	5595.941	107812.6	21423.54	5804.220
#3	456.6184	5369.074	108270.0	21513.41	5572.282

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4383-05X10 Acquired: 11/13/2011 12:44:43 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MA3XA7D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0614056	.0014993	.5854548	-.003727	.0258462	4.156022
Stddev	.0025646	.0008374	.0034259	.003300	.0002524	.024173
%RSD	4.176577	55.84824	.5851650	88.55017	.9763942	.5816413
#1	.0636846	.0009889	.5893971	-.007368	.0257986	4.130102
#2	.0619037	.0024657	.5832002	-.002884	.0261190	4.177951
#3	.0586284	.0010434	.5837671	-.000930	.0256211	4.160012

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2546784	.0019687	.0069131	3.590214	.0401814	.0120065
Stddev	.0011472	.0002660	.0000329	.002910	.0012904	.0001634
%RSD	.4504459	13.51068	.4758994	.0810603	3.211346	1.360534
#1	.2544495	.0017366	.0069412	3.587103	.0390288	.0121043
#2	.2559228	.0022589	.0069211	3.592870	.0399398	.0120972
#3	.2536630	.0019105	.0068769	3.590668	.0415754	.0118179

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0977340	122.5708	.7065014	.3383450	.0258232	-.001814
Stddev	.0007353	.1349	.0021844	.0120115	.0004396	.000062
%RSD	.7523555	.1100971	.3091801	3.550086	1.702240	3.392388
#1	.0984046	122.4150	.7043281	.3406303	.0263234	-.001796
#2	.0978496	122.6507	.7086966	.3253550	.0256479	-.001764
#3	.0969477	122.6467	.7064793	.3490498	.0254984	-.001883

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5263081	.0185713	.3077142	.4443494	F-49.5792	.0160612
Stddev	.0492176	.0006765	.0038749	.0128652	.3480	.0026137
%RSD	9.351482	3.642861	1.259246	2.895299	.7018377	16.27358
#1	.5753112	.0184466	.3034366	.4298123	-49.9533	.0165444
#2	.5267343	.0179658	.3109893	.4489686	-49.5190	.0183997
#3	.4768787	.0193015	.3087167	.4542673	-49.2652	.0132396

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4383-05X10 Acquired: 11/13/2011 12:44:43 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MA3XA7D Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0039595	63.29844	.6285018	.7680364	.0938157	4.656135
Stddev	.0002085	.64371	.0083808	.0044552	.0006707	.315015
%RSD	5.266145	1.016938	1.333460	.5800790	.7148662	6.765598
#1	.0039403	63.61176	.6381654	.7729895	.0944467	4.579588
#2	.0037612	63.72550	.6241163	.7667640	.0938892	5.002369
#3	.0041769	62.55806	.6232237	.7643559	.0931114	4.386447

Elem	Sr4077
Units	ppm
Avg	F 11.20718
Stddev	.09850
%RSD	.8788980
#1	11.11243
#2	11.30904
#3	11.20009

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	459.9776	5605.166	108060.4	21643.21	5832.963
Stddev	1.6256	35.962	419.4	43.85	36.890
%RSD	.3534113	.6415929	.3881440	.2025944	.6324470
#1	458.1752	5567.244	107734.7	21693.60	5795.587
#2	461.3327	5609.472	108533.6	21613.79	5833.952
#3	460.4250	5638.781	107912.8	21622.23	5869.348

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4383-04LX50 Acquired: 11/13/2011 12:48:05 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MA3XA7L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0159890	.0023420	.1340526	-.001025	.0046519	.9486852	.0574086
Stddev	.0018758	.0015809	.0013671	.000651	.0009433	.0043953	.0002256
%RSD	11.73153	67.50249	1.019836	63.57490	20.27857	.4633015	.3930361
#1	.0138240	.0034597	.1347500	-.001769	.0035630	.9523479	.0571509
#2	.0170163	.0005332	.1324775	-.000557	.0051729	.9498964	.0575708
#3	.0171268	.0030330	.1349305	-.000748	.0052199	.9438113	.0575042

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005342	.0014942	.8050899	.0076083	.0027254	.0214670	28.13753
Stddev	.0001531	.0000258	.0074045	.0004526	.0000919	.0009389	.03526
%RSD	28.65285	1.729054	.9197161	5.948611	3.370542	4.373630	.1253044
#1	.0003902	.0014905	.8132775	.0071675	.0028211	.0212618	28.16317
#2	.0006950	.0014705	.8031292	.0080718	.0026379	.0224916	28.15209
#3	.0005174	.0015217	.7988631	.0075854	.0027172	.0206477	28.09732

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1604401	.0760392	.0058827	-.000697	.1697617	.0047816	.0709316
Stddev	.0005096	.0127424	.0001655	.000171	.1082116	.0003421	.0009917
%RSD	.3176175	16.75763	2.813899	24.60093	63.74323	7.154407	1.398112
#1	.1609982	.0613416	.0057003	-.000842	.0451426	.0045366	.0717921
#2	.1603226	.0827926	.0059243	-.000741	.2399652	.0046358	.0711555
#3	.1599995	.0839832	.0060235	-.000508	.2241772	.0051725	.0698470

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0026753	F-11.1466	.0060785	.0006532	14.06604	.1366332	.1681846
Stddev	.0203187	.1173	.0021895	.0001543	.27955	.0074123	.0005246
%RSD	759.5033	1.052066	36.01980	23.61921	1.987411	5.424998	.3119498
#1	-.020084	-11.1896	.0066424	.0008005	13.74326	.1448836	.1678245
#2	.018990	-11.0139	.0036623	.0006664	14.22988	.1344807	.1679428
#3	.009120	-11.2363	.0079309	.0004928	14.22499	.1305353	.1687866

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4383-04LX50 Acquired: 11/13/2011 12:48:05 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MA3XA7L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0206086	.4511178	2.548986
Stddev	.0002549	.4310870	.020136
%RSD	1.237081	95.55974	.7899633
#1	.0205784	.5627555	2.565022
#2	.0208773	-.024807	2.555549
#3	.0203702	.815405	2.526387

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	460.5796	5671.065	109042.5	21584.94	5996.094
Stddev	3.1143	7.897	426.3	88.51	2.371
%RSD	.6761604	.1392467	.3909378	.4100405	.0395419
#1	457.5420	5663.944	108790.3	21518.18	5997.729
#2	460.4317	5669.693	108802.6	21551.31	5993.375
#3	463.7652	5679.557	109534.7	21685.34	5997.178

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4383-06X10 Acquired: 11/13/2011 12:51:30 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MA3XA7S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0649638	.0126896	.6579565	.0079297	.0429622	4.558997
Stddev	.0013595	.0004610	.0047565	.0006375	.0006576	.137238
%RSD	2.092659	3.632809	.7229230	8.039502	1.530721	3.010261
#1	.0652149	.0124006	.6591752	.0072065	.0428942	4.505146
#2	.0661802	.0132212	.6619851	.0084104	.0423412	4.714993
#3	.0634963	.0124470	.6527092	.0081721	.0436512	4.456851

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6661081	.0118698	.0159793	3.581999	.0772983	.1051652
Stddev	.0185558	.0003806	.0001259	.103257	.0006793	.0009605
%RSD	2.785699	3.206139	.7877355	2.882676	.8787978	.9133670
#1	.6585137	.0116859	.0160868	3.516831	.0765446	.1060646
#2	.6872563	.0123074	.0160102	3.701052	.0778632	.1052774
#3	.6525541	.0116161	.0158408	3.528113	.0774871	.1041534

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1484108	122.1902	.8093696	.3457474	.1205228	.0073509
Stddev	.0032136	3.6535	.0246311	.0111151	.0010719	.0001520
%RSD	2.165334	2.989989	3.043250	3.214805	.8894005	2.068220
#1	.1460532	120.4642	.7994121	.3373911	.1213866	.0071785
#2	.1520712	126.3869	.8374206	.3583620	.1208586	.0074088
#3	.1471080	119.7195	.7912761	.3414889	.1193231	.0074655

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5504104	.1210703	.4045380	.4448060	F-47.8458	.0171366
Stddev	.0839423	.0028767	.0143848	.0260742	.4420	.0019233
%RSD	15.25086	2.376033	3.555860	5.861921	.9237390	11.22334
#1	.5376091	.1185368	.3970873	.4320183	-48.1146	.0159270
#2	.6400181	.1241975	.4211198	.4748054	-48.0870	.0161285
#3	.4736040	.1204767	.3954069	.4275944	-47.3357	.0193544

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4383-06X10 Acquired: 11/13/2011 12:51:30 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MA3XA7S Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0035311	60.75215	.6203849	.7355447	.0934382	4.447098
Stddev	.0001732	.84982	.0157366	.0050407	.0031966	.152043
%RSD	4.904988	1.398829	2.536587	.6853036	3.421129	3.418928
#1	.0035649	61.36084	.6151167	.7379372	.0914352	4.305054
#2	.0033435	61.11436	.6380797	.7389436	.0971247	4.428763
#3	.0036850	59.78124	.6079582	.7297532	.0917546	4.607477

Elem	Sr4077
Units	ppm
Avg	F 11.41484
Stddev	.30949
%RSD	2.711282
#1	11.32587
#2	11.75907
#3	11.15958

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	446.7556	5631.321	107186.3	21055.70	5887.711
Stddev	11.5790	106.912	303.6	516.79	103.201
%RSD	2.591808	1.898529	.2832389	2.454395	1.752821
#1	452.0476	5549.127	107527.1	21271.35	5814.132
#2	433.4762	5592.647	106944.8	20466.01	5843.321
#3	454.7431	5752.188	107087.1	21429.74	6005.680

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4383-07X10 Acquired: 11/13/2011 12:54:48 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MA3XA8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0180311	.0011753	.5848303	-.001659	.0028401	5.072604	.1733383
Stddev	.0009839	.0009365	.0008529	.001064	.0003560	.085606	.0039403
%RSD	5.456455	79.68094	.1458395	64.14717	12.53608	1.687607	2.273156
#1	.0171839	.0021532	.5854192	-.002449	.0029232	5.170467	.1778714
#2	.0191102	.0002865	.5838522	-.000449	.0024499	5.035731	.1707346
#3	.0177992	.0010864	.5852196	-.002079	.0031473	5.011613	.1714089

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009659	.0036312	2.690911	.0194695	.0049453	.0600487	53.59027
Stddev	.0002145	.0000683	.054373	.0002086	.0003153	.0022089	1.13426
%RSD	22.20813	1.879610	2.020626	1.071412	6.375244	3.678457	2.116532
#1	.0010846	.0036809	2.753692	.0197066	.0049380	.0625199	54.89387
#2	.0007183	.0035534	2.658967	.0193142	.0052642	.0582663	53.04807
#3	.0010949	.0036593	2.660073	.0193878	.0046338	.0593598	52.82888

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3622082	.9161423	.0111653	-.000822	.2934128	.0241453	.3391062
Stddev	.0059851	.0147058	.0003297	.000284	.0418910	.0007234	.0121478
%RSD	1.652382	1.605189	2.952626	34.54418	14.27716	2.996114	3.582288
#1	.3689213	.9326431	.0114248	-.000513	.3030651	.0244846	.3501179
#2	.3574296	.9044200	.0112769	-.001071	.3296351	.0246368	.3411253
#3	.3602739	.9113638	.0107944	-.000881	.2475381	.0233146	.3260754

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5041432	F-78.1273	.0071195	.0014772	45.39392	.6390393	.0563667
Stddev	.0250398	.4599	.0012894	.0001347	.34926	.0272425	.0007419
%RSD	4.966794	.5886261	18.11015	9.120931	.7693978	4.263037	1.316194
#1	.5322629	-78.4740	.0086081	.0014146	44.99229	.6695249	.0571980
#2	.4959104	-78.3024	.0063980	.0016319	45.56312	.6170790	.0561300
#3	.4842564	-77.6056	.0063524	.0013853	45.62636	.6305140	.0557720

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4383-07X10 Acquired: 11/13/2011 12:54:48 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MA3XA8 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2149368	9.731310	8.514056
Stddev	.0045525	.272206	.162523
%RSD	2.118054	2.797220	1.908881
#1	.2200655	9.540242	8.701701
#2	.2113736	9.610706	8.422648
#3	.2133714	10.04298	8.417818

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	458.6329	5565.621	105058.6	21685.76	5900.174
Stddev	8.6753	11.177	3349.4	368.24	8.506
%RSD	1.891547	.2008239	3.188091	1.698054	.1441668
#1	450.0250	5552.790	105362.2	21260.63	5893.577
#2	458.4997	5570.829	101567.8	21891.32	5909.774
#3	467.3740	5573.243	108245.8	21905.32	5897.170

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4383-08X10 Acquired: 11/13/2011 12:58:06 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MA3XA9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0232621	.0012997	1.468368	.0017558	.0030456	5.791193
Stddev	.0022645	.0004506	.004034	.0009437	.0009814	.093328
%RSD	9.734787	34.67263	.2746999	53.74682	32.22379	1.611553
#1	.0243648	.0017620	1.467327	.0006945	.0022776	5.835984
#2	.0247642	.0008616	1.464957	.0025005	.0027079	5.853683
#3	.0206575	.0012755	1.472820	.0020722	.0041512	5.683913

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4139060	.0007181	.0033300	3.078887	.0244280	.0060082
Stddev	.0074991	.0000298	.0000726	.045056	.0008048	.0000509
%RSD	1.811792	4.154821	2.181487	1.463394	3.294569	.8468289
#1	.4188538	.0007507	.0032668	3.103111	.0247892	.0060605
#2	.4175864	.0006922	.0034094	3.106649	.0249890	.0060052
#3	.4052777	.0007114	.0033139	3.026901	.0235059	.0059588

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0995586	38.31714	.3556795	.6115083	.0162740	-.000206
Stddev	.0023621	.60428	.0059076	.0044734	.0004921	.000037
%RSD	2.372564	1.577058	1.660928	.7315306	3.023587	18.01898
#1	.1016270	38.70103	.3588764	.6163517	.0168355	-.000244
#2	.1000642	38.62980	.3592997	.6106414	.0159180	-.000205
#3	.0969847	37.62058	.3488624	.6075318	.0160685	-.000169

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4036696	.0261791	.7208753	.6082117	F-89.5262	.0100854
Stddev	.0290487	.0003218	.0098438	.0144928	.4216	.0010302
%RSD	7.196155	1.229318	1.365537	2.382854	.4709385	10.21527
#1	.4243577	.0263924	.7267210	.6247832	-90.0022	.0105388
#2	.4161911	.0263359	.7263948	.5979058	-89.3766	.0108112
#3	.3704601	.0258089	.7095102	.6019462	-89.1997	.0089062

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4383-08X10 Acquired: 11/13/2011 12:58:06 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MA3XA9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023575	46.53925	.6919791	.3928300	.1484365	11.88515
Stddev	.0003041	.34392	.0237721	.0016148	.0026665	.12610
%RSD	12.89977	.7389785	3.435378	.4110797	1.796363	1.060955
#1	.0024768	46.88609	.7179365	.3917894	.1505836	11.79731
#2	.0020118	46.19834	.6867318	.3920104	.1492741	11.82851
#3	.0025839	46.53332	.6712691	.3946903	.1454518	12.02964

Elem	Sr4077
Units	ppm
Avg	F 12.22924
Stddev	.20798
%RSD	1.700687
#1	12.37766
#2	12.31854
#3	11.99152

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	459.4143	5527.791	106994.2	21799.15	5847.552
Stddev	6.1725	13.789	755.6	277.40	13.201
%RSD	1.343563	.2494445	.7062407	1.272514	.2257552
#1	455.2608	5512.786	106148.7	21586.35	5841.245
#2	456.4750	5539.904	107230.6	21698.23	5862.724
#3	466.5072	5530.685	107603.4	22112.88	5838.688

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4383-14X10 Acquired: 11/13/2011 13:01:25 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MA3XB5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0134774	.0002795	.3598060	-.000549	.0015997	4.147825
Stddev	.0003811	.0004763	.0024868	.001782	.0007959	.022766
%RSD	2.827992	170.4183	.6911424	324.7147	49.75339	.5488551
#1	.0137131	-.000105	.3613974	-.001485	.0007580	4.162818
#2	.0130377	.000812	.3569403	.001506	.0017009	4.159027
#3	.0136815	.000131	.3610801	-.001667	.0023401	4.121629

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1556373	.0007401	.0030838	2.273928	.0128446	.0065860
Stddev	.0010003	.0001192	.0000929	.007109	.0004713	.0000919
%RSD	.6426851	16.11176	3.013418	.3126226	3.669484	1.395921
#1	.1563011	.0008777	.0031213	2.281960	.0133831	.0065182
#2	.1561239	.0006723	.0031521	2.268445	.0125071	.0065492
#3	.1544869	.0006702	.0029780	2.271377	.0126437	.0066906

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1088475	36.44410	.2735593	.4686918	.0138729	-.000293
Stddev	.0015837	.11632	.0009652	.0150485	.0000832	.000072
%RSD	1.454948	.3191842	.3528324	3.210746	.5995565	24.74933
#1	.1105637	36.56230	.2740226	.4750444	.0139175	-.000369
#2	.1085363	36.32975	.2724498	.4795222	.0139243	-.000225
#3	.1074426	36.44023	.2742055	.4515086	.0137769	-.000285

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3345797	.0228774	.4586211	.5860801	F-40.6939	.0083838
Stddev	.0338114	.0008921	.0035589	.0219264	.3096	.0027646
%RSD	10.10562	3.899651	.7759956	3.741189	.7608276	32.97598
#1	.2982938	.0221225	.4554185	.5711331	-40.7926	.0113918
#2	.3652009	.0238619	.4579924	.6112512	-40.9421	.0078058
#3	.3402443	.0226477	.4624525	.5758560	-40.3469	.0059539

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4383-14X10 Acquired: 11/13/2011 13:01:25 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MA3XB5 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020678	24.99107	.5949904	.0540081	.1277632	9.043420
Stddev	.0001192	.28035	.0082934	.0005082	.0001815	.395572
%RSD	5.763727	1.121787	1.393868	.9409404	.1420311	4.374141
#1	.0021622	24.69640	.6029495	.0545782	.1275691	8.903590
#2	.0021072	25.25448	.5956227	.0536027	.1279286	9.489916
#3	.0019339	25.02232	.5863990	.0538435	.1277919	8.736755

Elem	Sr4077
Units	ppm
Avg	F 11.48551
Stddev	.09664
%RSD	.8413984
#1	11.57989
#2	11.48989
#3	11.38676

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	455.8284	5584.037	108339.2	21830.75	5934.505
Stddev	3.5657	6.673	167.6	82.00	3.611
%RSD	.7822432	.1194931	.1546581	.3756079	.0608491
#1	453.0534	5590.968	108270.7	21738.88	5936.820
#2	459.8500	5583.483	108530.1	21856.84	5936.351
#3	454.5817	5577.658	108216.7	21896.53	5930.345

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4383-17X10 Acquired: 11/13/2011 13:04:45 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MA3XB8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0200906	.0018956	.4125777	.0004748	.0016936	7.730330	.4399814
Stddev	.0008967	.0008280	.0036578	.0015932	.0006834	.033885	.0011719
%RSD	4.463205	43.67865	.8865787	335.5280	40.35084	.4383432	.2663447
#1	.0208295	.0013646	.4140093	.0007451	.0018761	7.706890	.4389635
#2	.0203493	.0028496	.4153032	-.001236	.0022673	7.769182	.4412625
#3	.0190930	.0014725	.4084205	.001916	.0009375	7.714919	.4397181

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012198	.0069281	2.717268	.0239753	.0039498	.1154177	72.80165
Stddev	.0001297	.0001120	.016076	.0007187	.0000670	.0014659	.28915
%RSD	10.63177	1.616135	.5916197	2.997867	1.695518	1.270106	.3971787
#1	.0011060	.0070565	2.702934	.0239673	.0040270	.1141089	72.58973
#2	.0011923	.0068506	2.734650	.0232606	.0039157	.1151424	73.13105
#3	.0013610	.0068773	2.714220	.0246980	.0039068	.1170017	72.68417

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3959493	1.177173	.0080638	-.001124	.3640998	.0316905	.8485468
Stddev	.0019774	.007975	.0000320	.000118	.0470420	.0009824	.0045334
%RSD	.4993976	.6774375	.3969703	10.45435	12.92008	3.100112	.5342486
#1	.3956954	1.168251	.0081000	-.000998	.3832905	.0328089	.8433121
#2	.3980413	1.179660	.0080526	-.001230	.3104960	.0309667	.8511657
#3	.3941111	1.183607	.0080390	-.001146	.3985127	.0312959	.8511625

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3697921	F-51.9814	.0100871	.0009780	44.36190	.7011613	.2018041
Stddev	.0097489	.1146	.0030048	.0001464	.35842	.0082644	.0000425
%RSD	2.636318	.2204024	29.78856	14.96979	.8079539	1.178678	.0210605
#1	.3714190	-52.0316	.0099857	.0009978	44.43186	.7105577	.2017720
#2	.3786252	-52.0623	.0131414	.0008227	44.68018	.6950202	.2017879
#3	.3593321	-51.8503	.0071343	.0011134	43.97365	.6979060	.2018523

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4383-17X10 Acquired: 11/13/2011 13:04:45 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MA3XB8 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4327829	18.99786	5.277624
Stddev	.0019291	.33423	.040520
%RSD	.4457384	1.759306	.7677698
#1	.4309566	18.87712	5.242029
#2	.4325916	19.37568	5.321720
#3	.4348005	18.74077	5.269123

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	453.9727	5523.636	107519.4	21722.88	5845.747
Stddev	2.0994	20.530	310.1	95.20	25.509
%RSD	.4624529	.3716825	.2883971	.4382480	.4363699
#1	455.8677	5509.991	107412.9	21736.90	5823.597
#2	451.7159	5513.671	107276.7	21621.44	5840.008
#3	454.3346	5547.247	107868.8	21810.29	5873.637

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCV Acquired: 11/13/2011 13:08:05 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV15 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.784560	4.809509	23.79641	4.853896	4.785901	148.6382
Stddev	.005371	.022152	.07829	.016606	.003014	.9007
%RSD	.1122662	.4605851	.3290040	.3421107	.0629687	.6059899
#1	4.790106	4.830558	23.88253	4.867611	4.788134	148.2241
#2	4.779382	4.811570	23.77714	4.858642	4.782473	149.6715
#3	4.784192	4.786399	23.72955	4.835434	4.787096	148.0189

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.686127	.4655281	2.369110	239.4407	14.86366	2.387686
Stddev	.023360	.0006164	.003446	.8571	.10881	.003017
%RSD	.2411684	.1324052	.1454457	.3579393	.7320285	.1263536
#1	9.712993	.4648218	2.372782	238.4819	14.80906	2.391169
#2	9.674769	.4658052	2.368601	239.7078	14.98896	2.385877
#3	9.670617	.4659573	2.365947	240.1324	14.79297	2.386013

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.87825	139.8385	14.24910	227.9225	2.383797	1.166782
Stddev	.10641	.4028	.05253	.9007	.003784	.003603
%RSD	.7151835	.2880734	.3686272	.3951644	.1587210	.3088335
#1	14.86332	139.4509	14.18847	227.1212	2.388149	1.166648
#2	14.99134	139.8095	14.28082	227.7489	2.381959	1.170451
#3	14.78010	140.2551	14.27801	228.8973	2.381284	1.163248

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	143.6321	2.401214	14.32703	143.8444	F-142.834	4.861177
Stddev	1.1529	.008108	.03535	.3858	.519	.018124
%RSD	.8026625	.3376691	.2467143	.2682059	.3635858	.3728269
#1	143.2551	2.398684	14.31882	143.5108	-143.428	4.840873
#2	144.9263	2.410285	14.29651	144.2669	-142.468	4.866941
#3	142.7150	2.394672	14.36576	143.7555	-142.606	4.875719

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCV Acquired: 11/13/2011 13:08:05 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV15 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.947652	237.4434	4.942020	4.917249	4.921415	F3040.372
Stddev	.006356	1.0154	.026780	.021093	.022139	14.455
%RSD	.1284715	.4276301	.5418858	.4289691	.4498529	.4754278
#1	4.941662	238.5763	4.912157	4.936473	4.905295	3030.021
#2	4.946975	237.1387	4.963903	4.920589	4.946658	3056.887
#3	4.954320	236.6153	4.950000	4.894684	4.912291	3034.208

Elem	Sr4077
Units	ppm
Avg	F449.0206
Stddev	2.9292
%RSD	.6523577
#1	448.2346
#2	446.5645
#3	452.2626

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	391.8627	4720.680	92183.71	19699.78	4490.736
Stddev	3.2653	7.083	484.23	82.91	15.975
%RSD	.8332703	.1500328	.5252891	.4208885	.3557355
#1	388.2485	4713.520	91914.93	19604.56	4472.333
#2	394.6000	4727.682	91893.49	19756.00	4498.842
#3	392.7395	4720.837	92742.72	19738.79	4501.033

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCB Acquired: 11/13/2011 13:11:23 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB15 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000342	.0050835	.0010628	-.000846	.0003228	.0069901
Stddev	.000703	.0017232	.0011224	.000399	.0011110	.0091672
%RSD	205.6094	33.89732	105.6017	47.18010	344.1779	131.1458
#1	-.000751	.0070347	.0022354	-.000738	.0015038	.0174612
#2	-.000745	.0044454	-.000001	-.001288	.0001663	.0030979
#3	.000470	.0037704	.000955	-.000511	-.000702	.0004112

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000934	-.000067	.0000012	-.012704	.0012271	.0000164
Stddev	.000451	.000069	.0000286	.004462	.0011496	.0000584
%RSD	48.32594	102.3755	2318.891	35.12518	93.67928	356.1065
#1	-.000413	-.000117	-.000032	-.013697	.0025014	-.000042
#2	-.001198	-.000096	.000019	-.007829	.0009119	.000017
#3	-.001192	.000011	.000016	-.016587	.0002680	.000074

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003063	.0129195	-.000016	.0057852	-.000227	-.000272
Stddev	.001975	.0193574	.000193	.0030420	.000073	.000012
%RSD	64.48142	149.8316	1234.890	52.58190	32.32656	4.464402
#1	-.001471	.0347814	.000198	.0092966	-.000274	-.000275
#2	-.005273	.0060201	-.000176	.0041111	-.000142	-.000259
#3	-.002444	-.002043	-.000069	.0039480	-.000264	-.000282

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0973515	.0005094	-.000033	.1058631	.0696776	.0097165
Stddev	.0438260	.0005437	.000603	.0232907	.0579638	.0023208
%RSD	45.01830	106.7348	1853.596	22.00077	83.18864	23.88512
#1	.1473678	.0009889	-.000384	.0790664	.0448655	.0118678
#2	.0656731	-.000081	.000664	.1172848	.1359175	.0100248
#3	.0790136	.000620	-.000377	.1212383	.0282498	.0072570

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCB Acquired: 11/13/2011 13:11:23 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB15 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0066844	-.122237	.0044049	.0004455	-.001345	F.8491797
Stddev	.0019481	.139907	.0067104	.0003100	.000690	.8890377
%RSD	29.14385	114.4561	152.3394	69.59208	51.32916	104.6937
#1	.0088288	-.225661	.0119622	.0005283	-.000587	1.338372
#2	.0062007	-.178003	-.000855	.0007057	-.001937	1.386188
#3	.0050237	.036954	.002108	.0001025	-.001511	-.177021

Elem	Sr4077
Units	ppm
Avg	-.003371
Stddev	.002820
%RSD	83.65322
#1	-.000317
#2	-.003921
#3	-.005876

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	446.4957	5571.347	107397.3	21018.44	5959.208
Stddev	4.2985	25.990	336.5	222.08	14.949
%RSD	.9627230	.4664860	.3133310	1.056613	.2508544
#1	443.0342	5547.995	107545.2	20764.28	5954.162
#2	451.3071	5566.700	107012.2	21175.04	5947.434
#3	445.1457	5599.347	107634.6	21116.01	5976.026

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCV Acquired: 11/13/2011 13:37:27 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV16 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.812812	4.830373	23.85449	4.925558	4.833856	147.4733
Stddev	.019931	.010909	.01903	.009211	.013769	.5836
%RSD	.4141172	.2258456	.0797905	.1870004	.2848530	.3957656
#1	4.834760	4.824391	23.83265	4.930454	4.845429	148.0329
#2	4.807833	4.842965	23.86321	4.931286	4.837511	146.8683
#3	4.795842	4.823764	23.86760	4.914933	4.818628	147.5188

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.814143	.4590094	2.352444	237.7448	14.73489	2.389998
Stddev	.085178	.0020481	.004322	.8079	.10848	.002098
%RSD	.8679097	.4462066	.1837352	.3398086	.7362179	.0877931
#1	9.892804	.4567394	2.348030	237.2276	14.64226	2.391409
#2	9.723679	.4595695	2.352632	237.3312	14.70818	2.387587
#3	9.825947	.4607192	2.356669	238.6758	14.85423	2.390999

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.76189	139.3308	14.12788	226.5455	2.379244	1.167155
Stddev	.06699	.3637	.02498	.7414	.001273	.001478
%RSD	.4538343	.2610613	.1768435	.3272830	.0535032	.1266431
#1	14.81813	139.1363	14.11302	225.8297	2.378502	1.168629
#2	14.68777	139.1056	14.11390	226.4967	2.378517	1.167165
#3	14.77977	139.7504	14.15673	227.3102	2.380714	1.165672

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	142.3421	2.375911	14.28269	144.1216	F-143.926	4.841273
Stddev	.6713	.008077	.02033	.4412	.758	.004429
%RSD	.4716244	.3399638	.1423291	.3061617	.5270030	.0914850
#1	142.9017	2.381163	14.29743	144.6297	-144.410	4.846127
#2	141.5978	2.366610	14.29114	143.8995	-144.316	4.837452
#3	142.5269	2.379959	14.25950	143.8355	-143.051	4.840240

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCV Acquired: 11/13/2011 13:37:27 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV16 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.977778	236.2662	4.903339	4.946126	4.905703	F3050.744
Stddev	.008268	.4718	.028250	.016806	.015807	11.546
%RSD	.1660974	.1996815	.5761309	.3397784	.3222099	.3784648
#1	4.986259	236.6791	4.911472	4.939373	4.910213	3063.749
#2	4.977333	236.3674	4.871915	4.965259	4.888131	3041.701
#3	4.969741	235.7520	4.926630	4.933748	4.918764	3046.781

Elem	Sr4077
Units	ppm
Avg	F449.3696
Stddev	3.8596
%RSD	.8588978
#1	453.2283
#2	449.3714
#3	445.5091

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	384.4546	4634.441	91145.42	19562.05	4422.213
Stddev	6.2274	30.305	373.59	165.21	17.059
%RSD	1.619789	.6539130	.4098881	.8445628	.3857675
#1	378.1200	4601.904	90731.29	19374.61	4404.891
#2	384.6750	4639.553	91247.86	19625.03	4422.749
#3	390.5689	4661.864	91457.11	19686.52	4438.998

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCB Acquired: 11/13/2011 13:40:39 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB16 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019607	.0054092	.0084290	.0015566	.0019272	.0458448
Stddev	.0017817	.0004479	.0013083	.0018326	.0002584	.0069282
%RSD	90.86693	8.280634	15.52154	117.7354	13.40860	15.11228
#1	.0030651	.0055712	.0069456	.0011839	.0020490	.0536900
#2	.0029117	.0057535	.0089231	.0035469	.0021023	.0432783
#3	-.000095	.0049028	.0094184	-.000061	.0016305	.0405660

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017846	.0000738	.0006578	.0587288	.0040871	.0007341
Stddev	.0005376	.0001257	.0000699	.0100667	.0005539	.0000242
%RSD	30.12455	170.4461	10.62852	17.14090	13.55282	3.296361
#1	.0024005	.0001593	.0005994	.0700768	.0041705	.0007182
#2	.0015440	.0001326	.0007353	.0552354	.0045945	.0007221
#3	.0014094	-.000071	.0006387	.0508743	.0034961	.0007619

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0028999	.0572221	.0041215	.0626103	.0005479	.0000204
Stddev	.0006514	.0141162	.0000130	.0081757	.0002429	.0003364
%RSD	22.46406	24.66918	.3163275	13.05809	44.33605	1651.220
#1	.0036316	.0720733	.0041110	.0619056	.0003401	-.000059
#2	.0026852	.0556145	.0041175	.0548097	.0004886	-.000269
#3	.0023829	.0439785	.0041361	.0711155	.0008149	.000389

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1304702	.0010209	.0045397	.1365091	.0966639	.0100982
Stddev	.0809108	.0008006	.0002239	.0182530	.0719967	.0018801
%RSD	62.01478	78.41768	4.931626	13.37128	74.48144	18.61786
#1	.0447606	.0016315	.0046075	.1186499	.0418060	.0104321
#2	.2055267	.0013166	.0042898	.1551319	.0699960	.0080736
#3	.1411233	.0001145	.0047219	.1357455	.1781898	.0117890

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCB Acquired: 11/13/2011 13:40:39 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB16 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0085787	-.137445	.0394328	.0008732	.0002148	F 1.144223
Stddev	.0019137	.062732	.0077120	.0004699	.0009384	.603433
%RSD	22.30685	45.64184	19.55721	53.81183	436.7779	52.73738
#1	.0103321	-.121018	.0480806	.0007922	.0012791	.675830
#2	.0088667	-.084560	.0332689	.0004492	-.000141	.931667
#3	.0065374	-.206756	.0369488	.0013784	-.000494	1.825172

Elem	Sr4077
Units	ppm
Avg	F .1205579
Stddev	.0043425
%RSD	3.601972
#1	.1223919
#2	.1155993
#3	.1236824

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	442.0041	5505.106	107508.9	21131.25	5885.510
Stddev	2.9943	18.193	552.8	120.65	17.842
%RSD	.6774298	.3304663	.5142267	.5709469	.3031465
#1	438.9738	5484.184	107068.0	21002.55	5864.918
#2	444.9610	5517.205	108129.1	21149.40	5896.355
#3	442.0774	5513.928	107329.4	21241.79	5895.257

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: PB59135BL Acquired: 11/13/2011 13:44:03 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: PBS01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009889	.0011662	.0003608	-.000932	.0002057	-.001480	-.001396
Stddev	.0013465	.0002625	.0008940	.002156	.0003094	.002713	.000314
%RSD	136.1558	22.50682	247.7744	231.2688	150.4292	183.3715	22.48383
#1	.0025387	.0008659	.0013722	-.003279	.0004316	-.003539	-.001726
#2	.0003221	.0013516	-.000324	-.000477	-.000147	-.002494	-.001359
#3	.0001060	.0012811	.000034	.000959	.000332	.001595	-.001102

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000329	-.000006	-.004967	.0003403	.0000744	-.003459	-.000947
Stddev	.0000551	.000025	.002455	.0008056	.0001060	.000388	.001150
%RSD	167.5003	407.6709	49.43228	236.7474	142.4259	11.22634	121.4091
#1	.0000820	.000016	-.004920	-.000199	-.000017	-.003257	-.002255
#2	.0000432	-.000033	-.002535	.001266	.000050	-.003907	-.000489
#3	-.000027	-.000002	-.007445	-.000046	.000191	-.003213	-.000097

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000185	-.000431	-.000376	-.000144	.1264869	.0003717	-.000662
Stddev	.000093	.011345	.000152	.000032	.0716357	.0001564	.002048
%RSD	50.18882	2634.736	40.45516	22.05356	56.63490	42.07205	309.6231
#1	-.000275	-.005297	-.000386	-.000130	.2032896	.0001929	-.002463
#2	-.000189	-.008530	-.000220	-.000122	.0614832	.0004392	.001566
#3	-.000090	.012536	-.000524	-.000181	.1146879	.0004830	-.001088

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0784800	.2100995	.0022307	.0016068	-.323219	.0000658	-.000089
Stddev	.0270734	.0509391	.0007808	.0003404	.132861	.0083504	.000469
%RSD	34.49725	24.24523	35.00119	21.18242	41.10549	12698.14	524.6966
#1	.0473020	.1547494	.0028987	.0019641	-.174388	.0097067	-.000595
#2	.0920895	.2205390	.0024211	.0015698	-.429866	-.004889	.000330
#3	.0960485	.2550102	.0013723	.0012864	-.365404	-.004620	-.000002

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: PB59135BL Acquired: 11/13/2011 13:44:03 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: PBS01 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002105	F-.390309	.0066952
Stddev	.000979	.461209	.0073798
%RSD	46.50199	118.1650	110.2260
#1	-.003232	-.587412	-.001795
#2	-.001608	.136700	.011569
#3	-.001474	-.720216	.010312

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	443.4183	5488.035	107221.4	21036.48	5869.058
Stddev	2.7673	19.593	365.7	48.23	20.995
%RSD	.6240910	.3570145	.3410589	.2292782	.3577189
#1	440.2228	5465.582	107592.2	21003.25	5846.675
#2	445.0210	5496.857	107210.7	21091.80	5872.188
#3	445.0110	5501.666	106861.1	21014.39	5888.313

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: PB59135BS Acquired: 11/13/2011 13:47:28 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: LCS01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0201836	.0535385	.0225712	.0702868	.1149963	.3852947	.4075217
Stddev	.0004243	.0003800	.0008778	.0036705	.0025195	.0053320	.0025128
%RSD	2.102188	.7097812	3.889167	5.222201	2.190916	1.383868	.6165994
#1	.0199831	.0532600	.0218531	.0731465	.1149714	.3890918	.4090127
#2	.0206709	.0539714	.0223106	.0661478	.1124894	.3875933	.4089318
#3	.0198966	.0533841	.0235498	.0715660	.1175282	.3791989	.4046206

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0095165	.0099698	9.874752	.0198999	.0914730	.0487501	.2131054
Stddev	.0001743	.0002292	.039576	.0007637	.0018691	.0005313	.0018417
%RSD	1.831017	2.299404	.4007766	3.837456	2.043350	1.089786	.8642397
#1	.0095439	.0098754	9.830535	.0196312	.0907823	.0486809	.2112670
#2	.0096754	.0098028	9.906855	.0207615	.0900476	.0493125	.2149505
#3	.0093302	.0102311	9.886866	.0193068	.0935892	.0482568	.2130987

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0326169	8.989784	.0796690	.0195121	9.819283	.0949997	.1183499
Stddev	.0001539	.033620	.0015433	.0003313	.054184	.0006544	.0026277
%RSD	.4717174	.3739820	1.937088	1.697771	.5518089	.6888167	2.220310
#1	.0325330	8.951174	.0789363	.0195167	9.833296	.0944391	.1211987
#2	.0327945	9.005587	.0786285	.0198411	9.865084	.0957188	.1160208
#3	.0325232	9.012590	.0814421	.0191786	9.759470	.0948412	.1178303

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.618593	.1231170	.0048106	.0010937	-.033484	.1194629	.0013099
Stddev	.045846	.0341806	.0026484	.0001541	.185069	.0059268	.0009490
%RSD	.4766364	27.76268	55.05307	14.08928	552.7111	4.961186	72.45112
#1	9.662276	.1554167	.0025756	.0012679	.140518	.1260236	.0009593
#2	9.622648	.1266104	.0041206	.0010377	-.013047	.1178693	.0005860
#3	9.570854	.0873238	.0077358	.0009754	-.227923	.1144959	.0023844

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: PB59135BS Acquired: 11/13/2011 13:47:28 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: LCS01 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.001836	-.015822	.2028586
Stddev	.000034	.936395	.0049916
%RSD	1.864465	5918.464	2.460613
#1	-.001847	1.049572	.2069847
#2	-.001863	-.388715	.2042808
#3	-.001797	-.708322	.1973103

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	442.3442	5339.253	105057.3	20931.96	5571.251
Stddev	4.9911	68.383	335.7	114.61	70.535
%RSD	1.128322	1.280764	.3195541	.5475395	1.266061
#1	438.0606	5340.662	104973.4	20843.42	5582.637
#2	441.1471	5406.921	104771.6	20891.06	5635.401
#3	447.8250	5270.176	105427.1	21061.42	5495.716

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-01 Acquired: 11/13/2011 13:50:50 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH30S4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0215964	-.003386	.1030190	-.001174	.0061073	79.66287
Stddev	.0010022	.000917	.0013347	.002422	.0008527	2.02412
%RSD	4.640654	27.09306	1.295545	206.3665	13.96148	2.540853
#1	.0207922	-.003695	.1022703	-.001312	.0061857	80.48939
#2	.0227192	-.004108	.1022267	-.003524	.0069181	77.35628
#3	.0212779	-.002354	.1045599	.001315	.0052182	81.14293

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.670128	.0058053	.0082363	58.94396	.1282139	.0308427
Stddev	.064607	.0000290	.0001206	1.32794	.0002065	.0004069
%RSD	2.419633	.4989406	1.464199	2.252891	.1610859	1.319228
#1	2.703201	.0057749	.0080981	59.51491	.1284354	.0303747
#2	2.595680	.0058326	.0083201	57.42603	.1280265	.0310409
#3	2.711502	.0058083	.0082908	59.89094	.1281797	.0311126

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1604623	90.87517	2.074513	55.85244	.0722921	.0000836
Stddev	.0040245	2.10855	.046514	1.35743	.0003134	.0001438
%RSD	2.508051	2.320269	2.242180	2.430380	.4334464	172.0730
#1	.1624353	91.90752	2.096811	56.61478	.0719509	.0000912
#2	.1558320	88.44937	2.021047	54.28522	.0725670	-.000064
#3	.1631195	92.26862	2.105680	56.65733	.0723584	.000223

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.797700	.1058957	.6306262	22.75351	F-309.691	.0897061
Stddev	.257795	.0032941	.0139441	.57239	1.427	.0030887
%RSD	2.930252	3.110670	2.211153	2.515596	.4608638	3.443109
#1	8.921795	.1076739	.6312708	23.05845	-308.111	.0889974
#2	8.501327	.1020947	.6163710	22.09321	-310.886	.0870333
#3	8.969979	.1079185	.6442369	23.10885	-310.076	.0930875

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-01 Acquired: 11/13/2011 13:50:50 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH30S4 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0066560	1653.149	3.309752	-.002141	1.314051	238.1105
Stddev	.0002952	10.833	.088709	.000499	.032752	5.4161
%RSD	4.434848	.6552910	2.680220	23.33086	2.492411	2.274628
#1	.0064151	1641.037	3.351703	-.001965	1.333707	241.1039
#2	.0065676	1661.914	3.207848	-.001753	1.276243	231.8584
#3	.0069852	1656.495	3.369704	-.002704	1.332203	241.3692

Elem	Sr4077
Units	ppm
Avg	F41.47675
Stddev	1.05151
%RSD	2.535172
#1	41.93665
#2	40.27365
#3	42.21997

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	447.7870	5220.153	103290.6	22040.21	5147.380
Stddev	9.5448	15.644	397.8	452.74	17.271
%RSD	2.131554	.2996797	.3851486	2.054164	.3355376
#1	443.6750	5229.709	102842.2	21754.38	5162.257
#2	458.6987	5202.100	103601.3	22562.21	5128.439
#3	440.9875	5228.651	103428.2	21804.06	5151.443

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-02 Acquired: 11/13/2011 13:54:06 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH30S5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0148445	-.004425	.0941473	.0013005	.0043268	69.52260
Stddev	.0013280	.000982	.0002365	.0012880	.0000747	.26310
%RSD	8.945956	22.19831	.2511973	99.03933	1.726482	.3784336
#1	.0161269	-.004315	.0943764	.0025626	.0042580	69.29568
#2	.0134752	-.003503	.0941615	-.000012	.0043162	69.81099
#3	.0149313	-.005458	.0939041	.001351	.0044063	69.46113

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.658737	.0040147	.0057729	19.74832	.1001900	.0228445
Stddev	.008168	.0002521	.0000900	.15859	.0014633	.0001080
%RSD	.4924309	6.279239	1.559485	.8030447	1.460531	.4725874
#1	1.658933	.0042603	.0058463	19.57640	.0990511	.0228968
#2	1.666806	.0040271	.0058000	19.88889	.1018404	.0227203
#3	1.650473	.0037566	.0056724	19.77968	.0996784	.0229163

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2821486	84.14453	1.033053	31.76791	.0544852	-.000340
Stddev	.0001788	.35157	.007933	.16886	.0002985	.000054
%RSD	.0633686	.4178188	.7679422	.5315499	.5477853	15.78733
#1	.2823465	83.73995	1.025170	31.57829	.0546272	-.000278
#2	.2821004	84.37571	1.041036	31.90206	.0546861	-.000371
#3	.2819988	84.31795	1.032952	31.82339	.0541422	-.000371

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.19318	.1138797	.6164080	15.73397	F-213.748	.0502280
Stddev	.06237	.0003254	.0038548	.05752	1.130	.0025241
%RSD	.5572092	.2857434	.6253698	.3655660	.5285341	5.025235
#1	11.14163	.1135040	.6208531	15.74860	-214.107	.0513949
#2	11.26251	.1140616	.6139839	15.78277	-214.655	.0519575
#3	11.17539	.1140735	.6143869	15.67055	-212.483	.0473316

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-02 Acquired: 11/13/2011 13:54:06 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH30S5 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019323	1103.285	4.562398	-.006475	2.966305	194.7433
Stddev	.0001631	9.305	.029838	.000432	.007183	.9596
%RSD	8.440025	.8434072	.6539954	6.670306	.2421513	.4927508
#1	.0020025	1104.417	4.533651	-.006109	2.960156	194.2206
#2	.0017459	1111.972	4.593219	-.006364	2.974200	195.8508
#3	.0020486	1093.466	4.560322	-.006951	2.964560	194.1586

Elem	Sr4077
Units	ppm
Avg	F28.76423
Stddev	.24009
%RSD	.8346917
#1	28.70632
#2	29.02798
#3	28.55839

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	444.3007	5241.199	103772.8	21692.56	5270.005
Stddev	4.9083	30.387	563.4	70.25	34.423
%RSD	1.104722	.5797739	.5428861	.3238475	.6531884
#1	439.3327	5230.717	103123.5	21704.23	5255.566
#2	444.4222	5217.441	104131.4	21617.21	5245.153
#3	449.1470	5275.440	104063.6	21756.25	5309.296

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-03 Acquired: 11/13/2011 13:57:22 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BB7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0166268	-.005022	.0368993	.0026356	.0024544	19.43423
Stddev	.0003098	.001493	.0021707	.0018648	.0018533	.11311
%RSD	1.863513	29.73372	5.882785	70.75301	75.50698	.5820342
#1	.0169711	-.005467	.0393626	.0047888	.0009643	19.54148
#2	.0163704	-.006241	.0352664	.0015497	.0045296	19.31605
#3	.0165390	-.003356	.0360688	.0015683	.0018694	19.44516

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.946106	.0005269	.0086828	F1487.995	.0808395	.0039436
Stddev	.012510	.0002380	.0000210	11.629	.0012712	.0002361
%RSD	.6428173	45.15752	.2414530	.7815517	1.572470	5.987712
#1	1.960346	.0007700	.0087053	1489.340	.0793726	.0037854
#2	1.936885	.0002944	.0086638	1475.751	.0815287	.0038303
#3	1.941087	.0005164	.0086792	1498.893	.0816173	.0042150

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0887866	14.23958	4.770571	34.90283	.0546166	.0031584
Stddev	.0014788	.02539	.014928	.11180	.0004379	.0002850
%RSD	1.665548	.1783111	.3129182	.3203196	.8018567	9.024875
#1	.0897784	14.23591	4.777917	34.79219	.0543529	.0034190
#2	.0870870	14.21623	4.753394	34.90053	.0551221	.0028540
#3	.0894945	14.26661	4.780403	35.01576	.0543746	.0032023

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.09256	.0310814	.5869838	3.694092	F-538.544	.0522268
Stddev	.11683	.0010846	.0044977	.026294	2.446	.0028001
%RSD	.4849167	3.489484	.7662453	.7117883	.4541930	5.361526
#1	24.13148	.0322999	.5818092	3.708460	-540.957	.0542182
#2	23.96124	.0307226	.5891873	3.663744	-538.609	.0534372
#3	24.18496	.0302216	.5899549	3.710072	-536.066	.0490251

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-03 Acquired: 11/13/2011 13:57:22 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BB7 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015234	1294.954	3.694000	-.007558	.5521588	37.62672
Stddev	.0003641	3.777	.019444	.001331	.0014027	.27730
%RSD	23.89716	.2916754	.5263551	17.60750	.2540466	.7369861
#1	.0011597	1299.223	3.692313	-.007373	.5537352	37.47205
#2	.0015227	1293.590	3.675455	-.006330	.5516929	37.94686
#3	.0018878	1292.048	3.714232	-.008972	.5510483	37.46124

Elem	Sr4077
Units	ppm
Avg	F 198.9941
Stddev	3.0342
%RSD	1.524751
#1	202.4813
#2	196.9576
#3	197.5433

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	384.4633	4453.044	87824.39	19465.17	4254.554
Stddev	.8261	24.318	860.54	155.39	22.051
%RSD	.2148590	.5460993	.9798402	.7982823	.5182977
#1	383.5148	4436.193	87350.61	19291.89	4234.255
#2	384.8500	4442.016	87304.84	19592.13	4251.392
#3	385.0250	4480.922	88817.70	19511.50	4278.016

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-04 Acquired: 11/13/2011 14:00:48 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BB8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0161178	-.004338	.0319145	.0028795	.0015703	11.68054
Stddev	.0005604	.001366	.0016951	.0017157	.0005932	.24494
%RSD	3.476637	31.48680	5.311286	59.58383	37.77609	2.096988
#1	.0154934	-.002765	.0303984	.0009118	.0014201	11.39774
#2	.0162832	-.005017	.0337447	.0036642	.0010666	11.82578
#3	.0165769	-.005230	.0316005	.0040626	.0022241	11.81809

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.314550	.0001100	.0072627	F504.2715	.0614015	.0020084
Stddev	.026682	.0001401	.0000869	11.8775	.0009215	.0001940
%RSD	2.029723	127.3489	1.196775	2.355373	1.500727	9.660911
#1	1.284327	-.000047	.0073606	490.7259	.0624618	.0017847
#2	1.334841	.000222	.0071949	509.1840	.0607938	.0021089
#3	1.324483	.000155	.0072325	512.9048	.0609490	.0021315

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1243408	6.296996	5.062592	29.64330	.0472025	.0058210
Stddev	.0029461	.107397	.113493	.66039	.0004600	.0001904
%RSD	2.369375	1.705533	2.241803	2.227793	.9744542	3.271737
#1	.1211554	6.173187	4.931542	28.88124	.0466845	.0057019
#2	.1269677	6.365043	5.128420	30.04803	.0473599	.0057205
#3	.1248991	6.352758	5.127814	30.00063	.0475631	.0060406

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	17.02547	.0212751	.7275165	2.320485	F-253.609	.0335040
Stddev	.40426	.0009160	.0079510	.051451	.500	.0017023
%RSD	2.374420	4.305412	1.092894	2.217246	.1972054	5.080717
#1	16.56835	.0202245	.7190303	2.261214	-253.716	.0320165
#2	17.33593	.0216942	.7287252	2.346596	-254.047	.0353605
#3	17.17212	.0219066	.7347938	2.353645	-253.064	.0331351

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-04 Acquired: 11/13/2011 14:00:48 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BB8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009592	1668.246	3.465716	-.004052	.1850676	8.621330
Stddev	.0001480	2.082	.068851	.000565	.0029620	.355256
%RSD	15.42777	.1248177	1.986630	13.93657	1.600522	4.120668
#1	.0008005	1668.533	3.386716	-.003748	.1816849	8.327976
#2	.0010935	1670.169	3.497484	-.003705	.1871971	8.519683
#3	.0009837	1666.034	3.512946	-.004704	.1863206	9.016331

Elem	Sr4077
Units	ppm
Avg	F118.4196
Stddev	2.9989
%RSD	2.532394
#1	114.9608
#2	120.2922
#3	120.0058

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	407.8393	4716.126	93842.24	20282.95	4805.560
Stddev	4.9562	21.704	585.84	321.30	13.549
%RSD	1.215224	.4602061	.6242799	1.584088	.2819487
#1	413.5500	4717.605	93463.77	20653.77	4806.043
#2	405.3068	4693.720	93545.91	20087.40	4791.775
#3	404.6610	4737.053	94517.04	20107.68	4818.861

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-05 Acquired: 11/13/2011 14:04:15 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BB9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0199939	-.006433	.0186032	.0041096	.0025800	8.631668
Stddev	.0030488	.001479	.0025330	.0025971	.0004409	.069980
%RSD	15.24875	22.99520	13.61590	63.19484	17.08945	.8107383
#1	.0207418	-.008108	.0213576	.0057170	.0025955	8.573549
#2	.0166407	-.005887	.0163740	.0054984	.0021315	8.612108
#3	.0225991	-.005304	.0180779	.0011135	.0030129	8.709347

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.401962	.0001141	.0062826	F2010.867	.0998113	.0020703
Stddev	.015510	.0000160	.0001080	8.202	.0017675	.0000988
%RSD	.6457364	14.00141	1.719016	.4078753	1.770847	4.771795
#1	2.396550	.0001288	.0061667	2001.954	.1014263	.0019623
#2	2.389882	.0001163	.0063008	2012.548	.0979231	.0021560
#3	2.419453	.0000971	.0063804	2018.098	.1000845	.0020926

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1271678	8.190397	5.105318	45.66975	.0683749	.0040854
Stddev	.0003808	.089779	.043862	.53382	.0003062	.0002311
%RSD	.2994615	1.096151	.8591428	1.168864	.4478059	5.656737
#1	.1269166	8.096583	5.062250	45.15366	.0680216	.0040448
#2	.1269808	8.199102	5.103771	45.63592	.0685392	.0038773
#3	.1276060	8.275507	5.149934	46.21968	.0685638	.0043341

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	85.81662	.0208854	.6830055	4.238978	F-1061.48	.0437060
Stddev	.37832	.0028927	.0116788	.073828	2.89	.0022494
%RSD	.4408430	13.85030	1.709918	1.741651	.2725762	5.146623
#1	85.61979	.0177257	.6732019	4.177333	-1062.05	.0462959
#2	85.57730	.0215270	.6798879	4.218805	-1064.05	.0425811
#3	86.25278	.0234034	.6959268	4.320796	-1058.35	.0422409

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-05 Acquired: 11/13/2011 14:04:15 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BB9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0022941	3573.832	6.303632	-.002457	.3446855	26.56207
Stddev	.0002769	8.797	.083298	.001220	.0028232	.83668
%RSD	12.07161	.2461486	1.321425	49.66876	.8190809	3.149894
#1	.0022235	3563.960	6.216681	-.001286	.3437289	25.91112
#2	.0025994	3576.693	6.311497	-.003721	.3424648	26.26930
#3	.0020592	3580.842	6.382718	-.002364	.3478627	27.50579

Elem	Sr4077
Units	ppm
Avg	F242.8296
Stddev	1.1409
%RSD	.4698289
#1	242.3774
#2	241.9841
#3	244.1273

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	373.4300	4292.892	85230.33	18995.61	4023.304
Stddev	1.9214	19.723	902.73	34.78	4.475
%RSD	.5145377	.4594252	1.059161	.1831027	.1112243
#1	374.6261	4276.046	84314.21	19035.57	4019.926
#2	374.4502	4288.043	86119.04	18972.14	4021.607
#3	371.2136	4314.587	85257.75	18979.11	4028.379

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-06 Acquired: 11/13/2011 14:07:41 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0174422	-.005186	.0545743	.0061753	.0011867	24.45838
Stddev	.0025719	.000786	.0005116	.0009930	.0007020	.12858
%RSD	14.74557	15.14856	.9374387	16.07954	59.15596	.5257035
#1	.0160694	-.004887	.0545676	.0072908	.0006944	24.34778
#2	.0158479	-.004594	.0550892	.0058472	.0019906	24.42791
#3	.0204093	-.006077	.0540660	.0053879	.0008751	24.59946

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.099283	.0007663	.0073188	F1052.949	.1361467	.0050539
Stddev	.010323	.0000519	.0000356	9.007	.0019801	.0002829
%RSD	.4917161	6.770058	.4862925	.8554467	1.454357	5.597432
#1	2.092519	.0007399	.0072818	1046.620	.1339087	.0051180
#2	2.094165	.0007329	.0073528	1048.964	.1376708	.0052992
#3	2.111164	.0008261	.0073217	1063.261	.1368607	.0047445

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1366978	18.04446	3.829109	48.56197	.1385475	.0030386
Stddev	.0019583	.19186	.028659	.34803	.0003082	.0001288
%RSD	1.432594	1.063274	.7484403	.7166808	.2224829	4.237289
#1	.1364850	17.95357	3.815750	48.36731	.1384001	.0030178
#2	.1348545	17.91493	3.809569	48.35482	.1389018	.0031765
#3	.1387538	18.26488	3.862008	48.96378	.1383406	.0029215

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	50.35062	.0798482	.6823471	5.770665	F-619.170	.0694321
Stddev	.18659	.0002962	.0047506	.016791	3.195	.0027632
%RSD	.3705863	.3709152	.6962182	.2909746	.5160797	3.979671
#1	50.21609	.0801046	.6793557	5.763062	-621.763	.0725979
#2	50.27215	.0799159	.6798608	5.759021	-620.147	.0681936
#3	50.56364	.0795240	.6878249	5.789913	-615.600	.0675049

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-06 Acquired: 11/13/2011 14:07:41 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0060471	4462.762	5.041957	-.002556	.5605039	42.56009
Stddev	.0003376	15.250	.031229	.001413	.0031547	.72298
%RSD	5.582464	.3417132	.6193732	55.26565	.5628406	1.698727
#1	.0058922	4478.077	5.024614	-.004167	.5583001	42.54058
#2	.0058147	4462.633	5.023248	-.001527	.5590937	41.84706
#3	.0064343	4447.578	5.078008	-.001974	.5641177	43.29263

Elem	Sr4077
Units	ppm
Avg	F186.0201
Stddev	1.1541
%RSD	.6204180
#1	185.0365
#2	185.7331
#3	187.2906

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	386.2141	4471.737	88685.04	19492.91	4391.427
Stddev	2.4832	34.328	794.35	109.65	29.440
%RSD	.6429491	.7676719	.8956952	.5624968	.6703889
#1	387.2975	4440.739	88246.63	19429.17	4363.260
#2	387.9715	4465.840	88206.52	19619.52	4389.029
#3	383.3733	4508.632	89601.98	19430.04	4421.993

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-07 Acquired: 11/13/2011 14:11:07 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0365739	-.006938	.0799426	.0099330	.0060983	34.50487
Stddev	.0003740	.002180	.0014538	.0019587	.0013348	.23689
%RSD	1.022519	31.41565	1.818582	19.71869	21.88837	.6865490
#1	.0362755	-.005521	.0808679	.0101783	.0048698	34.72620
#2	.0369934	-.009448	.0806929	.0117574	.0059065	34.53340
#3	.0364527	-.005846	.0782669	.0078632	.0075187	34.25500

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.021122	.0007216	.0339674	F1369.454	.1246127	.0110609
Stddev	.035669	.0001904	.0004650	7.175	.0026013	.0002666
%RSD	.7103707	26.38654	1.369005	.5239664	2.087511	2.410123
#1	5.062125	.0009181	.0336224	1377.689	.1225197	.0110402
#2	4.997255	.0007087	.0344962	1364.543	.1237934	.0113372
#3	5.003986	.0005380	.0337835	1366.130	.1275251	.0108052

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4493274	15.02934	13.65522	64.90264	.0897348	.0158377
Stddev	.0030201	.06149	.07369	.14306	.0009185	.0001942
%RSD	.6721335	.4091265	.5396512	.2204216	1.023584	1.225927
#1	.4527428	15.10020	13.73760	65.05920	.0891713	.0157559
#2	.4482294	14.98994	13.63252	64.87002	.0907947	.0156977
#3	.4470099	14.99790	13.59556	64.77871	.0892384	.0160593

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	80.35296	.0344491	2.556108	7.498208	F-1127.36	.1514927
Stddev	.45866	.0020572	.018165	.032714	11.80	.0020726
%RSD	.5708048	5.971807	.7106413	.4362930	1.046494	1.368100
#1	80.82562	.0362735	2.541984	7.496788	-1122.20	.1529271
#2	80.32354	.0348545	2.549741	7.531609	-1140.86	.1491165
#3	79.90972	.0322194	2.576600	7.466227	-1119.02	.1524346

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-07 Acquired: 11/13/2011 14:11:07 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC1 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0057436	5806.266	6.758867	.0118409	.6133984	33.62076
Stddev	.0002772	67.871	.026571	.0013435	.0031390	.59116
%RSD	4.826912	1.168920	.3931242	11.34600	.5117455	1.758308
#1	.0059181	5775.100	6.789501	.0112707	.6168813	33.30615
#2	.0054240	5884.122	6.745018	.0133754	.6125262	34.30269
#3	.0058889	5759.575	6.742081	.0108765	.6107877	33.25343

Elem	Sr4077
Units	ppm
Avg	F396.0943
Stddev	4.4579
%RSD	1.125466
#1	400.1590
#2	396.7972
#3	391.3267

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	374.3510	4259.864	85260.33	19033.04	4184.747
Stddev	2.7379	44.727	210.48	292.74	40.580
%RSD	.7313797	1.049961	.2468707	1.538047	.9697039
#1	371.7328	4264.424	85024.69	18709.36	4196.436
#2	374.1254	4213.032	85429.70	19110.52	4139.606
#3	377.1947	4302.136	85326.59	19279.25	4218.200

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-08 Acquired: 11/13/2011 14:14:41 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0181304	-.002475	.0698468	.0063793	.0066624	13.07424
Stddev	.0024166	.002141	.0004792	.0023737	.0002606	.01558
%RSD	13.32878	86.49991	.6860502	37.20833	3.911303	.1191950
#1	.0187537	-.003942	.0699397	.0080476	.0065269	13.09188
#2	.0201743	-.003465	.0702727	.0074286	.0069628	13.06854
#3	.0154633	-.000018	.0693279	.0036619	.0064975	13.06231

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.676600	.0002455	.0680363	F802.6907	.0684922	.0019438
Stddev	.010547	.0000245	.0000915	2.3639	.0010889	.0002931
%RSD	.6290989	9.962364	.1344411	.2944966	1.589852	15.08067
#1	1.687783	.0002498	.0681144	801.8042	.0693681	.0022382
#2	1.675187	.0002676	.0679356	800.8982	.0688356	.0019411
#3	1.666830	.0002192	.0680587	805.3697	.0672730	.0016520

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1088634	7.985982	4.257072	16.99671	.0632051	.0041455
Stddev	.0006030	.039922	.017445	.04329	.0003861	.0002410
%RSD	.5539297	.4999027	.4097986	.2547216	.6108931	5.813391
#1	.1093281	8.017652	4.273784	17.04628	.0635626	.0042514
#2	.1090802	7.999156	4.258456	16.97758	.0632572	.0043154
#3	.1081820	7.941138	4.238975	16.96628	.0627956	.0038697

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	20.54220	.0435930	1.050208	2.245521	F-412.540	.0403963
Stddev	.08552	.0019863	.005895	.024336	1.066	.0028729
%RSD	.4163026	4.556354	.5612915	1.083766	.2583339	7.111834
#1	20.48105	.0456795	1.044649	2.242717	-413.767	.0437133
#2	20.63992	.0417251	1.049586	2.222709	-411.999	.0386995
#3	20.50563	.0433743	1.056389	2.271138	-411.852	.0387760

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-08 Acquired: 11/13/2011 14:14:41 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC2 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0033689	2355.169	3.185973	-.003151	.1739729	11.96981
Stddev	.0003244	4.103	.006490	.000881	.0009056	.55925
%RSD	9.629521	.1742051	.2036937	27.95358	.5205552	4.672174
#1	.0035724	2359.903	3.185291	-.003244	.1750174	12.61240
#2	.0035395	2352.964	3.192777	-.002227	.1734084	11.70390
#3	.0029948	2352.640	3.179852	-.003982	.1734927	11.59312

Elem	Sr4077
Units	ppm
Avg	F 144.4663
Stddev	.8478
%RSD	.5868185
#1	145.4439
#2	144.0225
#3	143.9327

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	396.3723	4554.781	91234.23	19860.01	4572.764
Stddev	3.4658	17.531	417.77	195.58	11.430
%RSD	.8743705	.3848888	.4579095	.9848060	.2499684
#1	392.5250	4534.888	91076.35	19645.74	4559.680
#2	397.3419	4567.975	91707.93	19905.36	4580.812
#3	399.2500	4561.478	90918.40	20028.94	4577.799

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-09 Acquired: 11/13/2011 14:18:06 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0310442	-.006601	.0521529	.0056835	.0049205	21.81126
Stddev	.0021044	.000749	.0022485	.0031052	.0006146	.04509
%RSD	6.778568	11.34015	4.311400	54.63493	12.49124	.2067067
#1	.0292588	-.005788	.0523267	.0022465	.0051026	21.76570
#2	.0333644	-.007261	.0543095	.0082865	.0054236	21.81222
#3	.0305096	-.006756	.0498225	.0065176	.0042354	21.85585

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.724774	.0006850	.0149240	F 1036.080	.1075205	.0049987
Stddev	.004736	.0001394	.0001388	9.310	.0036616	.0000234
%RSD	.1738242	20.34805	.9303111	.8985535	3.405493	.4677699
#1	2.730058	.0005244	.0150825	1025.444	.1037040	.0049875
#2	2.723355	.0007567	.0148240	1042.750	.1078529	.0050256
#3	2.720909	.0007740	.0148654	1040.047	.1110046	.0049830

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1203248	15.58317	6.786098	27.69995	.0333408	.0027936
Stddev	.0013708	.09717	.028855	.11930	.0003951	.0001669
%RSD	1.139222	.6235478	.4252091	.4306960	1.185118	5.973306
#1	.1218804	15.49052	6.759720	27.62829	.0334774	.0029745
#2	.1198001	15.57467	6.781659	27.63388	.0336496	.0027607
#3	.1192939	15.68430	6.816916	27.83767	.0328956	.0026456

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.56230	.0249878	.7880160	4.824466	F -572.960	.0522063
Stddev	.11510	.0010930	.0033545	.028311	.723	.0020242
%RSD	.4686158	4.373926	.4256874	.5868285	.1262481	3.877259
#1	24.64874	.0241101	.7915513	4.850652	-573.007	.0543102
#2	24.43164	.0246413	.7848776	4.828322	-572.215	.0520362
#3	24.60651	.0262120	.7876192	4.794425	-573.659	.0502725

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-09 Acquired: 11/13/2011 14:18:06 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC3 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020044	2572.559	4.772709	-.004389	.5365089	40.72382
Stddev	.0004580	7.359	.031114	.001127	.0003038	.60872
%RSD	22.85177	.2860553	.6519234	25.66937	.0566214	1.494742
#1	.0020652	2566.460	4.738884	-.005650	.5361588	41.08573
#2	.0024291	2570.483	4.779133	-.003482	.5366653	40.02104
#3	.0015190	2580.732	4.800110	-.004034	.5367027	41.06469

Elem	Sr4077
Units	ppm
Avg	F 192.4014
Stddev	.6000
%RSD	.3118366
#1	191.8921
#2	192.2494
#3	193.0628

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	388.8400	4473.536	89374.90	19625.11	4406.144
Stddev	2.6821	16.735	318.25	47.73	9.050
%RSD	.6897604	.3740841	.3560848	.2432339	.2054012
#1	385.9378	4455.274	89065.56	19590.63	4396.755
#2	389.3549	4488.137	89357.77	19679.60	4414.812
#3	391.2273	4477.198	89701.37	19605.12	4406.864

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-10 Acquired: 11/13/2011 14:21:29 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0244230	-.003511	.0586343	.0055132	.0038352	22.20043
Stddev	.0028494	.000630	.0007734	.0019137	.0001105	.06257
%RSD	11.66709	17.93625	1.319061	34.71060	2.882081	.2818428
#1	.0275099	-.002828	.0581344	.0044049	.0039622	22.22450
#2	.0218934	-.004069	.0595252	.0044118	.0037609	22.12939
#3	.0238655	-.003637	.0582434	.0077229	.0037825	22.24738

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.381134	.0005261	.0636391	F1035.948	.1379910	.0081891
Stddev	.005773	.0002293	.0001486	4.741	.0016733	.0001332
%RSD	.1707534	43.58483	.2334369	.4576051	1.212634	1.626099
#1	3.383423	.0007516	.0638098	1032.693	.1380117	.0082812
#2	3.374567	.0005334	.0635681	1041.387	.1396539	.0082497
#3	3.385412	.0002932	.0635394	1033.763	.1363075	.0080364

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3591418	17.05534	10.43069	35.82794	.0890883	.0136176
Stddev	.0017267	.10070	.02821	.12538	.0002841	.0003408
%RSD	.4807834	.5904426	.2704685	.3499425	.3188781	2.502881
#1	.3602857	16.99966	10.41030	35.68780	.0894045	.0139971
#2	.3571556	16.99477	10.41887	35.86652	.0890055	.0135181
#3	.3599842	17.17159	10.46289	35.92949	.0888547	.0133375

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.28015	.0161352	2.319637	2.840259	F-651.527	.0754619
Stddev	.28312	.0007331	.021294	.004118	3.794	.0020913
%RSD	.7028674	4.543743	.9179737	.1449858	.5823985	2.771283
#1	40.41386	.0161256	2.301094	2.839950	-655.453	.0776393
#2	39.95495	.0168731	2.342892	2.844523	-651.247	.0752775
#3	40.47165	.0154069	2.314926	2.836305	-647.880	.0734690

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-10 Acquired: 11/13/2011 14:21:29 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC4 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0190093	4420.128	4.145269	.0055154	.2794429	25.23314
Stddev	.0002896	12.138	.028679	.0015284	.0011709	.20471
%RSD	1.523527	.2746157	.6918572	27.71222	.4189928	.8112771
#1	.0190378	4433.515	4.151374	.0072798	.2780939	25.14940
#2	.0192836	4409.838	4.114029	.0045969	.2800394	25.08358
#3	.0187065	4417.032	4.170404	.0046696	.2801954	25.46645

Elem	Sr4077
Units	ppm
Avg	F255.9683
Stddev	1.3407
%RSD	.5237652
#1	257.2629
#2	256.0562
#3	254.5858

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	385.7206	4452.110	88059.53	19322.87	4421.372
Stddev	3.3690	23.813	973.26	118.22	12.561
%RSD	.8734194	.5348755	1.105228	.6117972	.2840953
#1	384.4500	4427.267	87107.57	19195.00	4406.869
#2	383.1717	4454.323	88018.23	19345.45	4428.753
#3	389.5401	4474.739	89052.77	19428.17	4428.494

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-11 Acquired: 11/13/2011 14:24:52 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.010326	-.007803	.0893262	.0236268	.0083631	29.11445
Stddev	.067659	.003821	.0025936	.0218300	.0074279	.23604
%RSD	655.2163	48.96020	2.903525	92.39488	88.81688	.8107301
#1	-.088312	-.011364	.0903478	.0486979	.0169381	28.86371
#2	.024604	-.003767	.0863773	.0133562	.0042352	29.14729
#3	.032729	-.008279	.0912534	.0088264	.0039161	29.33235

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.791485	.0005853	.0203893	F1171.747	.1304095	.0065882
Stddev	.031545	.0004608	.0011173	8.413	.0036309	.0019941
%RSD	.8320082	78.73157	5.479605	.7179923	2.784241	30.26800
#1	3.757724	.0004290	.0216766	1177.513	.1337383	.0042856
#2	3.796521	.0002230	.0196726	1175.636	.1309524	.0077427
#3	3.820209	.0011040	.0198186	1162.093	.1265377	.0077364

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2941272	14.15132	10.52798	35.14594	.1193031	.0103506
Stddev	.0007857	.02728	.05802	.02574	.0052198	.0007246
%RSD	.2671233	.1927540	.5511093	.0732327	4.375223	7.000883
#1	.2937319	14.16126	10.48169	35.11696	.1253128	.0108233
#2	.2950320	14.17224	10.50918	35.16615	.1166968	.0107122
#3	.2936176	14.12047	10.59306	35.15470	.1158996	.0095163

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	29.54888	.0485290	1.843721	4.470773	F-719.253	.0910193
Stddev	1.67365	.0014088	.019104	.200018	3.301	.0016456
%RSD	5.664015	2.902897	1.036179	4.473899	.4589489	1.807952
#1	27.80811	.0469928	1.843844	4.274098	-722.079	.0899371
#2	29.69235	.0488336	1.862763	4.464247	-720.057	.0902078
#3	31.14618	.0497604	1.824555	4.673974	-715.625	.0929130

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-11 Acquired: 11/13/2011 14:24:52 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC5 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0082611	3066.920	4.402798	.0108173	.3913571	40.48793
Stddev	.0007945	3.051	.011366	.0091047	.0016786	.81041
%RSD	9.617705	.0994830	.2581493	84.16774	.4289166	2.001616
#1	.0091443	3068.103	4.414483	.0212322	.3930947	39.68013
#2	.0076044	3063.454	4.391781	.0068518	.3897445	40.48274
#3	.0080348	3069.202	4.402130	.0043678	.3912321	41.30093

Elem	Sr4077
Units	ppm
Avg	F305.8416
Stddev	2.2703
%RSD	.7423076
#1	303.4215
#2	306.1792
#3	307.9243

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	362.8749	4252.269	79900.23	18677.43	4227.703
Stddev	5.7136	215.011	958.22	402.54	163.230
%RSD	1.574526	5.056381	1.199273	2.155215	3.860970
#1	369.2250	4022.010	81006.68	19096.66	4049.162
#2	361.2498	4286.990	79350.51	18641.67	4264.663
#3	358.1500	4447.806	79343.50	18293.97	4369.285

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-11LX5 Acquired: 11/13/2011 14:28:11 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC5L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0065027	.0004320	.0202280	-.000600	-.000045	5.716626
Stddev	.0007519	.0006429	.0012413	.000428	.001158	.123782
%RSD	11.56292	148.8192	6.136484	71.28980	2561.898	2.165295
#1	.0072653	-.000229	.0187987	-.000141	.000881	5.797695
#2	.0057619	.001055	.0210346	-.000673	.000327	5.574146
#3	.0064811	.000471	.0208509	-.000987	-.001344	5.778036

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7545800	.0001143	.0041017	251.9598	.0261343	.0011064
Stddev	.0172720	.0000700	.0000919	5.2428	.0007821	.0001207
%RSD	2.288952	61.26624	2.241180	2.080826	2.992531	10.90885
#1	.7637301	.0001859	.0040209	255.5340	.0257391	.0012445
#2	.7346581	.0001112	.0042017	245.9411	.0256287	.0010212
#3	.7653519	.0000459	.0040824	254.4043	.0270351	.0010535

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0608580	3.077677	2.260187	7.526138	.0238546	.0023478
Stddev	.0015541	.060897	.047562	.149548	.0003844	.0002045
%RSD	2.553671	1.978656	2.104331	1.987050	1.611355	8.709673
#1	.0609556	3.128470	2.289833	7.651642	.0241591	.0024810
#2	.0592574	3.010168	2.205327	7.360667	.0234227	.0024500
#3	.0623610	3.094392	2.285402	7.566104	.0239819	.0021123

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.337041	.0092358	.3865579	.7270459	F-147.807	.0210180
Stddev	.119138	.0013886	.0084075	.0271567	1.296	.0033720
%RSD	2.232294	15.03462	2.174956	3.735216	.8769253	16.04327
#1	5.438516	.0077562	.3872322	.7271580	-146.768	.0245022
#2	5.205861	.0094407	.3778337	.6998334	-147.393	.0207809
#3	5.366747	.0105106	.3946080	.7541465	-149.259	.0177707

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-11LX5 Acquired: 11/13/2011 14:28:11 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC5L Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013314	609.4455	.9042463	-.004264	.0810387	5.857350
Stddev	.0001410	5.4264	.0243269	.000926	.0020773	.292964
%RSD	10.58879	.8903840	2.690295	21.70868	2.563370	5.001647
#1	.0011790	607.3409	.9253259	-.003221	.0824925	5.878382
#2	.0013582	605.3865	.8776274	-.004581	.0786595	6.139232
#3	.0014571	615.6089	.9097855	-.004989	.0819642	5.554437

Elem	Sr4077
Units	ppm
Avg	F60.18935
Stddev	1.23497
%RSD	2.051809
#1	60.56165
#2	58.81105
#3	61.19533

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	431.7872	5040.999	101227.7	21308.48	5169.726
Stddev	8.3880	48.035	2239.4	307.45	46.072
%RSD	1.942627	.9528819	2.212206	1.442846	.8911871
#1	431.2101	5084.449	103686.3	21135.50	5198.736
#2	440.4488	5049.130	99304.7	21663.45	5193.840
#3	423.7026	4989.417	100692.1	21126.49	5116.602

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-12 Acquired: 11/13/2011 14:31:31 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC5D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0319869	-.005246	.0951333	.0069889	.0058822	29.30450
Stddev	.0010250	.000695	.0013319	.0012950	.0001053	.88011
%RSD	3.204356	13.25252	1.400013	18.52884	1.789396	3.003312
#1	.0326469	-.006049	.0963159	.0084360	.0057789	28.94701
#2	.0308061	-.004858	.0953936	.0059393	.0058785	30.30710
#3	.0325076	-.004832	.0936905	.0065914	.0059893	28.65940

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.805136	.0006010	.0199405	F1134.828	.1293713	.0078756
Stddev	.112147	.0001916	.0001354	34.338	.0021488	.0001099
%RSD	2.947248	31.88700	.6790073	3.025818	1.660938	1.395026
#1	3.771824	.0003879	.0198591	1113.221	.1299601	.0078771
#2	3.930165	.0007593	.0200968	1174.423	.1311643	.0077650
#3	3.713420	.0006557	.0198656	1116.839	.1269895	.0079847

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3160602	14.62239	10.86721	35.49487	.1175457	.0120279
Stddev	.0088565	.45525	.32130	1.00225	.0014729	.0002780
%RSD	2.802150	3.113378	2.956560	2.823648	1.253033	2.311389
#1	.3107750	14.42934	10.70746	34.98567	.1183715	.0122463
#2	.3262849	15.14235	11.23707	36.64950	.1184205	.0121226
#3	.3111208	14.29547	10.65710	34.84946	.1158452	.0117150

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.59812	.0483469	2.012360	4.346387	F-718.844	.0946579
Stddev	.83918	.0028550	.061149	.128960	4.266	.0031202
%RSD	3.155053	5.905223	3.038655	2.967069	.5934993	3.296249
#1	26.21638	.0479456	1.969351	4.335297	-722.558	.0982606
#2	27.56031	.0513813	2.082360	4.480535	-719.789	.0928829
#3	26.01767	.0457137	1.985367	4.223331	-714.184	.0928302

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-12 Acquired: 11/13/2011 14:31:31 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC5D Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0088101	3121.302	4.265640	.0057558	.4265250	38.38396
Stddev	.0001627	20.006	.121904	.0004582	.0121366	1.13877
%RSD	1.847132	.6409582	2.857805	7.961007	2.845463	2.966782
#1	.0089979	3132.843	4.198497	.0059426	.4240477	37.92081
#2	.0087192	3132.862	4.406353	.0060912	.4397091	39.68132
#3	.0087130	3098.200	4.192069	.0052337	.4158182	37.54974

Elem	Sr4077
Units	ppm
Avg	F299.1741
Stddev	9.4939
%RSD	3.173379
#1	296.1141
#2	309.8206
#3	291.5874

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	368.9245	4377.535	86998.06	18955.06	4331.405
Stddev	9.7218	43.606	469.90	514.52	37.941
%RSD	2.635167	.9961316	.5401243	2.714429	.8759474
#1	373.4029	4337.946	86475.86	19099.53	4302.638
#2	357.7707	4370.383	87386.77	18383.75	4317.173
#3	375.6000	4424.274	87131.56	19381.91	4374.404

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-13 Acquired: 11/13/2011 14:34:55 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC5S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0944112	.0798768	.1134179	.0873114	.1310098	26.98682
Stddev	.0027292	.0012967	.0009852	.0025780	.0010710	.14687
%RSD	2.890722	1.623398	.8686499	2.952666	.8174768	.5442377
#1	.0975534	.0788564	.1133188	.0844881	.1312760	26.90145
#2	.0930480	.0794382	.1124860	.0879060	.1319226	26.90260
#3	.0926322	.0813360	.1144489	.0895403	.1298308	27.15641

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.193526	.0695792	.0969008	F956.4188	.3915433	.7053352
Stddev	.063225	.0004409	.0002840	5.8589	.0026244	.0003620
%RSD	1.020818	.6337050	.2931182	.6125842	.6702695	.0513296
#1	6.163800	.0693414	.0968372	950.2779	.3885412	.7054190
#2	6.150643	.0693081	.0966539	957.0311	.3934019	.7056480
#3	6.266135	.0700879	.0972112	961.9475	.3926868	.7049386

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6256983	13.78247	9.736845	29.94043	.7954104	.1048586
Stddev	.0042235	.08393	.066455	.16373	.0001754	.0001468
%RSD	.6750122	.6089841	.6825100	.5468676	.0220554	.1399780
#1	.6229353	13.72747	9.685827	29.83058	.7954721	.1047264
#2	.6235994	13.74086	9.712714	29.86209	.7952124	.1050165
#3	.6305601	13.87908	9.811994	30.12862	.7955466	.1048328

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.16786	.7652757	2.288412	3.658963	F-617.213	.0838277
Stddev	.12074	.0050321	.020100	.016843	.845	.0045518
%RSD	.5211714	.6575492	.8783194	.4603251	.1369561	5.429921
#1	23.08925	.7619297	2.287449	3.639937	-618.148	.0822548
#2	23.10744	.7628348	2.268812	3.664982	-616.985	.0802709
#3	23.30689	.7710627	2.308976	3.671969	-616.505	.0889573

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-13 Acquired: 11/13/2011 14:34:55 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC5S Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0072939	2865.883	4.472799	.0023385	.3381147	35.87693
Stddev	.0002030	5.040	.020665	.0012527	.0006797	.73350
%RSD	2.782825	.1758753	.4620133	53.56921	.2010245	2.044501
#1	.0074098	2868.185	4.455564	.0037145	.3380764	36.04253
#2	.0070595	2869.360	4.467126	.0012643	.3374550	36.51348
#3	.0074123	2860.102	4.495709	.0020365	.3388128	35.07478

Elem	Sr4077
Units	ppm
Avg	F261.9127
Stddev	1.0286
%RSD	.3927272
#1	260.7281
#2	262.5805
#3	262.4293

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	388.2290	4460.272	89177.61	19629.69	4424.158
Stddev	3.6639	11.663	46.37	73.30	12.775
%RSD	.9437489	.2614778	.0520021	.3734133	.2887535
#1	384.0052	4446.894	89158.37	19572.01	4411.149
#2	390.1318	4468.297	89230.50	19712.18	4424.640
#3	390.5500	4465.626	89143.95	19604.89	4436.686

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-14 Acquired: 11/13/2011 14:38:23 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0211067	-.003915	.0957329	-.003865	.0044534	105.5676
Stddev	.0009342	.000661	.0005746	.000755	.0000989	.8442
%RSD	4.425981	16.87418	.6002358	19.53342	2.219742	.7997042
#1	.0203677	-.004303	.0958206	-.003345	.0043743	106.5338
#2	.0207958	-.004289	.0951195	-.004731	.0044218	104.9725
#3	.0221567	-.003152	.0962586	-.003520	.0045642	105.1965

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.115918	.0084574	.0075809	27.64265	.1221819	.0387072
Stddev	.020232	.0000418	.0000505	.29986	.0019397	.0002243
%RSD	.9562013	.4937378	.6660590	1.084757	1.587524	.5795917
#1	2.139200	.0084902	.0076327	27.98323	.1200052	.0384575
#2	2.102602	.0084717	.0075783	27.41833	.1228135	.0388918
#3	2.105952	.0084104	.0075318	27.52638	.1237271	.0387722

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1725610	132.1078	1.079128	49.46460	.0866313	-.002135
Stddev	.0028584	1.3695	.011264	.50897	.0001743	.000283
%RSD	1.656451	1.036628	1.043846	1.028967	.2011928	13.24539
#1	.1750288	133.6282	1.092035	50.04268	.0868043	-.001952
#2	.1732252	130.9711	1.071279	49.08380	.0864557	-.001993
#3	.1694289	131.7241	1.074071	49.26731	.0866338	-.002461

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.84609	.1609672	.3854522	18.66104	F-250.176	.0476226
Stddev	.17171	.0014094	.0073326	.16095	.476	.0018608
%RSD	1.336697	.8755728	1.902336	.8624704	.1902254	3.907473
#1	13.02520	.1622086	.3913139	18.83680	-250.520	.0470325
#2	12.68288	.1594351	.3772301	18.62547	-250.375	.0461283
#3	12.83019	.1612578	.3878125	18.52086	-249.633	.0497069

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-14 Acquired: 11/13/2011 14:38:23 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC6 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000116	2998.008	2.680253	-.006566	3.466129	284.2702
Stddev	.000183	10.587	.055419	.000701	.031596	1.9697
%RSD	157.3113	.3531425	2.067676	10.68058	.9115550	.6929085
#1	.000080	3008.715	2.744050	-.006573	3.501833	286.4884
#2	-.000281	2997.765	2.652670	-.007263	3.441780	282.7257
#3	-.000148	2987.545	2.644037	-.005861	3.454774	283.5966

Elem	Sr4077
Units	ppm
Avg	F25.07769
Stddev	.20583
%RSD	.8207545
#1	25.31503
#2	24.96985
#3	24.94819

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	443.6997	5372.324	104998.1	21885.29	5163.840
Stddev	7.3150	26.975	631.6	366.39	26.303
%RSD	1.648646	.5021053	.6015123	1.674127	.5093763
#1	435.4549	5342.188	105268.3	21462.77	5134.554
#2	449.4119	5394.212	105449.6	22077.94	5171.512
#3	446.2323	5380.571	104276.3	22115.16	5185.455

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-15 Acquired: 11/13/2011 14:41:40 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1163544	-.005497	.2227887	.0133624	.0230002	75.23996
Stddev	.0015421	.001935	.0020414	.0024759	.0012947	.27406
%RSD	1.325349	35.19063	.9162877	18.52914	5.629270	.3642475
#1	.1181347	-.005060	.2245503	.0126313	.0243189	75.54787
#2	.1154346	-.007613	.2232643	.0113344	.0229507	75.02276
#3	.1154938	-.003819	.2205515	.0161216	.0217308	75.14923

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.282250	.0016285	.0703554	F1293.411	.2232158	.0162096
Stddev	.047538	.0002834	.0003386	9.225	.0029442	.0003213
%RSD	.5739792	17.40144	.4812187	.7132416	1.318999	1.982050
#1	8.229562	.0013554	.0706767	1282.977	.2198608	.0165740
#2	8.295255	.0016090	.0703877	1300.486	.2244174	.0160880
#3	8.321932	.0019212	.0700019	1296.769	.2253692	.0159669

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5225274	37.44722	18.11700	74.59501	.1352781	.0140358
Stddev	.0007706	.17139	.05800	.33967	.0006187	.0003643
%RSD	.1474787	.4576966	.3201519	.4553478	.4573775	2.595797
#1	.5227971	37.27473	18.05586	74.26786	.1357790	.0136559
#2	.5216582	37.44942	18.12389	74.57122	.1354688	.0143822
#3	.5231269	37.61750	18.17125	74.94594	.1345864	.0140692

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	60.73300	.3118780	3.756047	14.43897	F-1881.46	.3021701
Stddev	.21819	.0018550	.008290	.09334	3.97	.0028957
%RSD	.3592651	.5947860	.2207234	.6464699	.2110275	.9583166
#1	60.98295	.3097555	3.763580	14.41817	-1882.42	.3043375
#2	60.63544	.3131887	3.747165	14.35779	-1884.87	.2988814
#3	60.58061	.3126898	3.757396	14.54096	-1877.10	.3032915

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-15 Acquired: 11/13/2011 14:41:40 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC7 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0846100	10308.15	6.931178	.0223492	.8521708	77.33442
Stddev	.0002703	24.77	.039207	.0009091	.0010629	.09248
%RSD	.3194920	.2402970	.5656687	4.067462	.1247332	.1195812
#1	.0848234	10324.14	6.897783	.0233755	.8527582	77.22786
#2	.0843060	10320.69	6.921403	.0220269	.8509438	77.39368
#3	.0847006	10279.62	6.974348	.0216452	.8528105	77.38173

Elem	Sr4077
Units	ppm
Avg	F557.3764
Stddev	5.2821
%RSD	.9476753
#1	561.0839
#2	559.7169
#3	551.3284

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	373.5500	4302.554	86007.47	19282.98	4165.656
Stddev	4.5254	14.576	360.03	117.59	16.219
%RSD	1.211462	.3387795	.4186053	.6098019	.3893588
#1	369.5750	4290.383	85688.56	19200.70	4150.087
#2	372.6000	4298.571	85935.95	19230.57	4164.427
#3	378.4750	4318.708	86397.89	19417.66	4182.455

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-16 Acquired: 11/13/2011 14:45:21 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0602192	-.005371	.5794154	-.021888	.0158145	34.94474
Stddev	.0029171	.002633	.0013260	.004485	.0007972	.13627
%RSD	4.844118	49.02444	.2288548	20.49139	5.040999	.3899483
#1	.0588814	-.002364	.5805129	-.018110	.0152276	35.03350
#2	.0582110	-.006487	.5779420	-.026845	.0167221	35.01288
#3	.0635653	-.007262	.5797914	-.020709	.0154938	34.78785

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.594322	.0044313	.0348818	F1887.422	.4237351	.0506840
Stddev	.013178	.0000697	.0006021	3.359	.0047391	.0003521
%RSD	.3666294	1.572705	1.726084	.1779657	1.118417	.6946711
#1	3.609535	.0043628	.0355081	1885.035	.4187469	.0510868
#2	3.586977	.0045021	.0343073	1885.969	.4281779	.0504347
#3	3.586453	.0044291	.0348301	1891.263	.4242804	.0505305

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8463694	F302.7556	5.040612	64.18124	.7545750	-.003728
Stddev	.0045746	.9703	.016339	.25154	.0023623	.000418
%RSD	.5404920	.3204800	.3241449	.3919238	.3130694	11.21869
#1	.8496527	303.4172	5.053462	64.26341	.7557609	-.003502
#2	.8483112	301.6418	5.022224	63.89889	.7518547	-.004210
#3	.8411442	303.2078	5.046150	64.38142	.7561095	-.003471

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	42.25759	.0631656	3.997970	4.391862	F-1240.28	.0642252
Stddev	.04873	.0022478	.002926	.013633	2.94	.0063832
%RSD	.1153282	3.558505	.0731932	.3104114	.2371486	9.938790
#1	42.30228	.0612852	3.994628	4.406325	-1241.66	.0713427
#2	42.20563	.0625563	4.000073	4.390014	-1236.91	.0623254
#3	42.26486	.0656551	3.999208	4.379247	-1242.28	.0590076

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-16 Acquired: 11/13/2011 14:45:21 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0803648	2913.808	4.051561	.0307075	1.030816	45.89626
Stddev	.0002292	12.119	.006628	.0015921	.004664	.76575
%RSD	.2851787	.4159250	.1635834	5.184815	.4524694	1.668429
#1	.0802408	2917.963	4.043915	.0295892	1.036198	46.27933
#2	.0802243	2900.158	4.055089	.0325303	1.027950	46.39487
#3	.0806293	2923.303	4.055678	.0300028	1.028301	45.01457

Elem	Sr4077
Units	ppm
Avg	F281.8436
Stddev	1.4748
%RSD	.5232769
#1	283.1519
#2	282.1337
#3	280.2453

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	373.5745	4328.799	86808.06	19264.10	4018.339
Stddev	3.6158	7.380	227.43	163.44	5.336
%RSD	.9678960	.1704937	.2619915	.8483954	.1328004
#1	370.1318	4333.579	86669.24	19076.53	4012.998
#2	373.2500	4320.299	86684.43	19339.87	4023.670
#3	377.3416	4332.520	87070.53	19375.89	4018.348

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-17 Acquired: 11/13/2011 14:48:44 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1410903	-.005125	.2299355	.0134874	.0295924	87.33446
Stddev	.0013640	.003803	.0019222	.0041939	.0010624	.34334
%RSD	.9667786	74.20507	.8359808	31.09475	3.589985	.3931326
#1	.1425366	-.007793	.2278502	.0105785	.0283703	87.58678
#2	.1398270	-.000770	.2303197	.0115888	.0301119	86.94347
#3	.1409073	-.006812	.2316367	.0182947	.0302951	87.47312

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.558903	.0018471	.0798497	F1258.321	.2306112	.0181901
Stddev	.035649	.0002204	.0002648	8.670	.0014892	.0003568
%RSD	.4165085	11.93368	.3316097	.6890067	.6457393	1.961424
#1	8.582679	.0020610	.0796951	1254.605	.2288918	.0177783
#2	8.517915	.0018598	.0801554	1252.129	.2314904	.0184071
#3	8.576117	.0016207	.0796985	1268.229	.2314514	.0183850

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5428422	38.88636	18.08050	84.53632	.1326565	.0129643
Stddev	.0030001	.08712	.05683	.31605	.0006390	.0001412
%RSD	.5526566	.2240427	.3143118	.3738656	.4816774	1.089333
#1	.5460919	38.78755	18.03754	84.17145	.1324094	.0128072
#2	.5422566	38.91945	18.05903	84.72539	.1333821	.0130807
#3	.5401781	38.95210	18.14494	84.71211	.1321779	.0130050

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	67.29282	.3752848	4.083186	16.19064	F-2119.18	.3585240
Stddev	.21526	.0016435	.035535	.01601	7.87	.0045942
%RSD	.3198874	.4379231	.8702786	.0988678	.3713491	1.281406
#1	67.32741	.3761215	4.118582	16.20815	-2114.74	.3561653
#2	67.06236	.3733913	4.047513	16.17677	-2128.26	.3555884
#3	67.48869	.3763415	4.083463	16.18699	-2114.53	.3638184

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-17 Acquired: 11/13/2011 14:48:44 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0912424	10442.57	7.027321	.0302239	.9146334	77.47591
Stddev	.0004284	33.97	.031241	.0006546	.0009736	.45745
%RSD	.4695369	.3253312	.4445717	2.165758	.1064471	.5904426
#1	.0916232	10412.34	7.001016	.0295404	.9135279	77.95895
#2	.0913255	10479.33	7.019094	.0302862	.9153634	77.41951
#3	.0907785	10436.05	7.061852	.0308452	.9150087	77.04928

Elem	Sr4077
Units	ppm
Avg	F591.2652
Stddev	2.6720
%RSD	.4519120
#1	591.8414
#2	588.3521
#3	593.6021

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	374.4335	4315.969	86514.43	19145.29	4190.886
Stddev	6.0560	17.927	191.02	103.66	11.790
%RSD	1.617378	.4153550	.2207934	.5414477	.2813292
#1	367.5295	4304.564	86568.80	19030.72	4183.729
#2	378.8477	4306.712	86672.38	19232.59	4184.435
#3	376.9235	4336.632	86302.13	19172.56	4204.494

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-18 Acquired: 11/13/2011 14:52:25 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BD0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0227636	-.004335	.1034140	.0057856	.0028477	23.17467
Stddev	.0018307	.001716	.0017839	.0042153	.0018385	.02797
%RSD	8.042418	39.58686	1.724981	72.85751	64.55868	.1206998
#1	.0231520	-.005527	.1013568	.0084685	.0046131	23.17084
#2	.0207698	-.005110	.1045327	.0009271	.0009440	23.20435
#3	.0243690	-.002368	.1043525	.0079614	.0029862	23.14880

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.636149	.0006493	.0146640	F1289.645	.2109096	.0090064
Stddev	.011817	.0000440	.0000213	14.233	.0011230	.0002198
%RSD	.2548827	6.778435	.1454774	1.103640	.5324582	2.439916
#1	4.639890	.0006982	.0146885	1273.901	.2098131	.0090573
#2	4.645642	.0006130	.0146492	1301.600	.2120573	.0091962
#3	4.622914	.0006367	.0146544	1293.435	.2108582	.0087656

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4132816	28.70125	11.03889	30.65245	.1159337	.0101511
Stddev	.0015334	.03518	.03154	.07450	.0006350	.0002498
%RSD	.3710392	.1225902	.2857340	.2430348	.5477051	2.461214
#1	.4143782	28.67654	11.01713	30.62822	.1163943	.0100655
#2	.4115293	28.74154	11.07506	30.73604	.1161975	.0104325
#3	.4139371	28.68568	11.02448	30.59308	.1152094	.0099553

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.99193	.0473114	1.757173	3.616096	F-1189.50	.0733306
Stddev	.03550	.0023236	.014541	.013569	5.18	.0017685
%RSD	.1315264	4.911299	.8275482	.3752341	.4354818	2.411706
#1	26.95233	.0468895	1.741263	3.610201	-1194.66	.0735679
#2	27.02090	.0452277	1.769776	3.631615	-1189.54	.0714555
#3	27.00256	.0498171	1.760480	3.606471	-1184.30	.0749685

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4462-18 Acquired: 11/13/2011 14:52:25 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BD0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0058338	4156.653	3.469714	.0034944	.4339260	41.15950
Stddev	.0000890	18.869	.007608	.0007562	.0013234	.56827
%RSD	1.526176	.4539463	.2192602	21.64040	.3049797	1.380661
#1	.0059351	4177.090	3.467434	.0035584	.4351846	41.07247
#2	.0057983	4152.976	3.478201	.0042166	.4340472	41.76626
#3	.0057680	4139.893	3.463507	.0027083	.4325462	40.63976

Elem	Sr4077
Units	ppm
Avg	F349.3007
Stddev	1.4380
%RSD	.4116743
#1	348.7594
#2	350.9308
#3	348.2120

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	386.8373	4450.772	88762.18	19788.72	4316.921
Stddev	2.6519	24.651	283.75	95.89	20.989
%RSD	.6855331	.5538604	.3196747	.4845452	.4861952
#1	387.0542	4425.707	89059.89	19761.77	4293.015
#2	384.0836	4451.623	88731.81	19709.20	4325.425
#3	389.3741	4474.987	88494.84	19895.20	4332.324

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCV Acquired: 11/13/2011 14:55:52 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV17 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.910965	4.893774	24.04605	5.009417	4.934051	147.7596
Stddev	.007748	.007457	.01249	.007009	.013359	2.0284
%RSD	.1577610	.1523678	.0519278	.1399147	.2707478	1.372804
#1	4.914458	4.893049	24.03319	5.014573	4.926995	148.7897
#2	4.902086	4.886706	24.04685	5.001437	4.925700	145.4228
#3	4.916351	4.901566	24.05812	5.012242	4.949459	149.0663

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.600636	.4591841	2.370117	236.3323	14.86663	2.410699
Stddev	.116060	.0051519	.005148	3.4635	.09939	.002801
%RSD	1.208883	1.121968	.2171937	1.465534	.6685431	.1161721
#1	9.601265	.4598325	2.364521	236.7455	14.75245	2.407492
#2	9.484262	.4537387	2.371180	232.6807	14.93377	2.412663
#3	9.716381	.4639811	2.374651	239.5707	14.91366	2.411940

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.81681	138.2795	14.02521	225.3205	2.404986	1.177883
Stddev	.20028	1.8876	.19101	3.4277	.003649	.003018
%RSD	1.351687	1.365029	1.361870	1.521261	.1517089	.2562193
#1	14.94390	138.6165	14.05454	225.3803	2.400777	1.176378
#2	14.58594	136.2461	13.82124	221.8633	2.407246	1.181357
#3	14.92058	139.9759	14.19986	228.7179	2.406935	1.175913

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	143.1634	2.377595	14.22290	144.5673	F-144.605	4.795024
Stddev	1.6828	.029450	.21482	1.9303	.263	.079545
%RSD	1.175415	1.238647	1.510351	1.335204	.1816066	1.658900
#1	143.9802	2.392474	14.36217	146.0873	-144.650	4.817792
#2	141.2282	2.343674	13.97550	142.3955	-144.323	4.706579
#3	144.2819	2.396637	14.33102	145.2192	-144.842	4.860703

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCV Acquired: 11/13/2011 14:55:52 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV17 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.065380	239.6198	4.900479	4.969009	4.908801	F2956.975
Stddev	.007774	.8533	.074176	.008700	.064986	44.608
%RSD	.1534642	.3561084	1.513652	.1750888	1.323859	1.508552
#1	5.058020	238.9222	4.900950	4.976751	4.932869	2997.928
#2	5.064610	239.3660	4.826068	4.970682	4.835215	2909.444
#3	5.073510	240.5712	4.974418	4.959594	4.958319	2963.555

Elem	Sr4077
Units	ppm
Avg	F437.2130
Stddev	7.5662
%RSD	1.730543
#1	442.3217
#2	428.5209
#3	440.7966

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	387.9526	4594.824	91943.21	19905.94	4414.355
Stddev	9.0771	.979	543.96	274.69	2.885
%RSD	2.339747	.0213134	.5916212	1.379954	.0653452
#1	377.8143	4594.396	91641.68	19661.35	4411.317
#2	395.3250	4594.132	91616.80	20203.13	4414.694
#3	390.7186	4595.945	92571.15	19853.35	4417.056

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCB Acquired: 11/13/2011 14:59:08 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB17 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001335	.0027831	.0006997	.0016498	-.000303	.0087009
Stddev	.000996	.0009324	.0010498	.0011721	.000868	.0056204
%RSD	74.61029	33.50163	150.0445	71.04662	286.4974	64.59649
#1	-.001517	.0037384	.0014295	.0018470	-.001279	.0149732
#2	-.002229	.0018755	.0011730	.0027107	-.000009	.0070078
#3	-.000261	.0027354	-.000503	.0003916	.000380	.0041216

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001087	-.000163	-.000032	-.003887	.0001910	.0001061
Stddev	.000356	.000118	.000047	.001977	.0002422	.0001433
%RSD	32.73838	72.38454	145.9881	50.85739	126.8166	135.1071
#1	-.000748	-.000130	.000022	-.005372	.0000166	.0002043
#2	-.001054	-.000065	-.000058	-.004645	.0000888	.0001722
#3	-.001458	-.000295	-.000059	-.001643	.0004675	-.000058

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001723	.0156211	.0000026	.0055918	-.000222	-.000157
Stddev	.001006	.0190343	.0000843	.0059492	.000310	.000182
%RSD	58.36963	121.8500	3189.250	106.3912	139.6875	116.0828
#1	-.000690	.0375948	-.000076	-.001258	-.000540	-.000273
#2	-.001782	.0042222	-.000008	.009466	.000079	.000053
#3	-.002699	.0050462	.000092	.008568	-.000204	-.000249

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0746909	.0010608	-.000451	.1007103	.1205796	.0078781
Stddev	.0106961	.0003815	.000154	.0149625	.1040477	.0017933
%RSD	14.32046	35.95875	34.10809	14.85696	86.28961	22.76252
#1	.0710302	.0006299	-.000486	.0894807	.0405651	.0092641
#2	.0663058	.0013552	-.000282	.1176960	.0829713	.0058528
#3	.0867367	.0011974	-.000584	.0949542	.2382024	.0085174

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCB Acquired: 11/13/2011 14:59:08 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB17 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0044944	1.727708	.0024860	-.000130	-.001302	F.1868291
Stddev	.0010610	.175109	.0061062	.000316	.000511	.1806909
%RSD	23.60791	10.13535	245.6188	242.7044	39.22846	96.71457
#1	.0056240	1.923131	.0084902	-.000489	-.000728	.1433080
#2	.0043406	1.674945	.0026852	.000104	-.001473	.3853059
#3	.0035187	1.585047	-.003717	-.000006	-.001706	.0318733

Elem	Sr4077
Units	ppm
Avg	-.002906
Stddev	.010089
%RSD	347.1358
#1	.000185
#2	-.014179
#3	.005275

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	430.2289	5413.282	105932.5	20797.48	5832.487
Stddev	5.2139	26.413	667.1	222.67	15.499
%RSD	1.211879	.4879379	.6297005	1.070676	.2657406
#1	424.4963	5384.068	105167.1	20596.44	5814.897
#2	431.5024	5420.303	106241.0	20759.19	5838.420
#3	434.6881	5435.476	106389.5	21036.82	5844.142

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: PB59139BL Acquired: 11/13/2011 15:02:31 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: PBS01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017335	.0016029	.0002954	-.000685	-.000645	-.001849
Stddev	.0010412	.0009568	.0001201	.003394	.000183	.002131
%RSD	60.06527	59.69599	40.64827	495.4753	28.36873	115.2659
#1	.0008423	.0025547	.0003358	.000058	-.000438	.000612
#2	.0014802	.0016129	.0003901	.002276	-.000786	-.003049
#3	.0028781	.0006411	.0001603	-.004389	-.000711	-.003109

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001518	-.000072	.0000090	-.006200	-.000935	.0000369
Stddev	.000163	.000144	.0000500	.003835	.000887	.0000253
%RSD	10.74911	200.7760	558.2122	61.85944	94.89499	68.53529
#1	-.001334	-.000110	-.000049	-.002152	.000067	.0000540
#2	-.001573	-.000192	.000041	-.006668	-.001250	.0000487
#3	-.001646	.000087	.000035	-.009780	-.001622	.0000078

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003991	.0022824	-.000119	-.003777	-.000227	.0001100
Stddev	.001007	.0042609	.000167	.009829	.000267	.0000707
%RSD	25.23844	186.6852	139.7476	260.2113	117.9335	64.29406
#1	-.003418	.0002905	.000071	-.015123	-.000284	.0001377
#2	-.003402	.0071744	-.000238	.002138	.000065	.0001628
#3	-.005154	-.000618	-.000192	.001653	-.000461	.0000296

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1310473	.0005739	-.000551	.0554949	.0939418	.0020245
Stddev	.0378110	.0011220	.001550	.0162063	.0500997	.0025478
%RSD	28.85293	195.4993	281.1669	29.20315	53.33064	125.8528
#1	.1714842	.0015138	.000530	.0662739	.0381409	.0049578
#2	.1250874	.0008762	.000144	.0368577	.1350590	.0007535
#3	.0965701	-.000668	-.002327	.0633531	.1086254	.0003621

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: PB59139BL Acquired: 11/13/2011 15:02:31 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: PBS01 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014240	1.021750	.0000406	-.000279	-.002119	F.1020463
Stddev	.0000602	.326993	.0065084	.000873	.000622	.2522911
%RSD	4.227196	32.00317	16039.02	312.5858	29.34849	247.2319
#1	.0014481	1.382987	.0074661	.000185	-.002007	-.153389
#2	.0013555	.745972	-.002669	.000263	-.001561	.351072
#3	.0014684	.936292	-.004675	-.001287	-.002790	.108456

Elem	Sr4077
Units	ppm
Avg	-.003143
Stddev	.002930
%RSD	93.23410
#1	-.005860
#2	-.003530
#3	-.000038

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	435.9663	5429.210	107176.3	21017.59	5867.050
Stddev	5.8485	15.955	385.1	111.64	19.511
%RSD	1.341491	.2938794	.3592841	.5311514	.3325467
#1	432.9323	5410.793	106748.1	20893.05	5844.522
#2	432.2584	5437.996	107286.5	21051.05	5878.496
#3	442.7083	5438.842	107494.2	21108.67	5878.133

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: PB59139BS Acquired: 11/13/2011 15:05:56 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: LCS01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0194648	.0528756	.0225256	.0691127	.1154295	.3966622	.4132835
Stddev	.0015964	.0006855	.0004417	.0020752	.0004583	.0036017	.0021133
%RSD	8.201697	1.296421	1.961086	3.002667	.3970385	.9080000	.5113442
#1	.0177428	.0520970	.0220246	.0668438	.1152379	.3936244	.4136007
#2	.0197558	.0531418	.0226928	.0709148	.1159525	.3957212	.4110295
#3	.0208956	.0533881	.0228593	.0695794	.1150981	.4006410	.4152202

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0097027	.0099233	9.865447	.0202455	.0900604	.0481974	.2228712
Stddev	.0001366	.0000069	.106177	.0007229	.0004412	.0015771	.0041902
%RSD	1.408078	.0695869	1.076251	3.570846	.4899098	3.272093	1.880080
#1	.0097567	.0099156	9.835549	.0199854	.0895782	.0472749	.2244867
#2	.0095473	.0099288	9.777425	.0196887	.0901592	.0472989	.2260130
#3	.0098040	.0099255	9.983368	.0210625	.0904439	.0500184	.2181137

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0325843	8.926789	.0791648	.0193871	9.904942	.0945359	.1172096
Stddev	.0000501	.115532	.0003827	.0002455	.056428	.0022615	.0012066
%RSD	.1537842	1.294219	.4833955	1.266358	.5696952	2.392215	1.029460
#1	.0325382	8.866791	.0795946	.0196705	9.900505	.0942660	.1168391
#2	.0326377	8.853600	.0788610	.0192412	9.850864	.0924215	.1185581
#3	.0325771	9.059977	.0790388	.0192495	9.963458	.0969202	.1162317

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.718816	.0480940	.0025632	.0008669	1.020131	.1356119	.0008809
Stddev	.018685	.0962475	.0023702	.0002036	.185689	.0043706	.0006006
%RSD	.1922523	200.1238	92.46905	23.48404	18.20251	3.222892	68.17738
#1	9.740341	.0321722	-.000128	.0010127	1.234371	.1406279	.0013010
#2	9.709322	.1513096	.004339	.0009536	.905493	.1326218	.0011487
#3	9.706785	-.039200	.003480	.0006343	.920530	.1335860	.0001930

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: PB59139BS Acquired: 11/13/2011 15:05:56 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: LCS01 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.001868	.5978566	.2069565
Stddev	.000613	.2843272	.0023340
%RSD	32.81493	47.55776	1.127791
#1	-.001182	.7086279	.2043689
#2	-.002363	.8101261	.2089029
#3	-.002059	.2748158	.2075976

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	428.2737	5312.149	103518.8	20674.91	5604.346
Stddev	1.9160	31.293	128.2	186.59	8.132
%RSD	.4473663	.5890919	.1238882	.9025102	.1451005
#1	426.3607	5287.987	103371.6	20654.55	5598.389
#2	430.1925	5300.963	103578.3	20870.85	5601.040
#3	428.2680	5347.499	103606.4	20499.34	5613.611

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-01 Acquired: 11/13/2011 15:09:18 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9QL8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0106628	-.003572	.0495305	.0018615	.0017305	20.41530	.0840816
Stddev	.0012007	.000949	.0006107	.0033137	.0008769	.04349	.0001757
%RSD	11.26103	26.58024	1.232992	178.0099	50.67184	.2130374	.2089842
#1	.0093824	-.004341	.0491164	.0048131	.0014753	20.44546	.0842814
#2	.0117636	-.003863	.0502319	-.001723	.0027066	20.36545	.0839514
#3	.0108424	-.002511	.0492433	.002494	.0010095	20.43501	.0840119

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015016	.0016143	1.490954	.0471248	.0089291	.0121925	32.80186
Stddev	.0000807	.0000391	.007602	.0007829	.0000579	.0015000	.08286
%RSD	5.376069	2.422570	.5098664	1.661336	.6481742	12.30254	.2526029
#1	.0015001	.0015991	1.483503	.0463950	.0089660	.0104612	32.71648
#2	.0014216	.0016587	1.490662	.0470277	.0089588	.0131021	32.80715
#3	.0015830	.0015850	1.498698	.0479517	.0088624	.0130142	32.88194

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1343429	2.966996	.0228087	-.000641	.4360931	.0749962	.1093909
Stddev	.0003276	.031357	.0003059	.000103	.0565317	.0011185	.0034303
%RSD	.2438806	1.056868	1.341246	16.04275	12.96323	1.491385	3.135831
#1	.1340069	2.930833	.0230239	-.000624	.4431349	.0753181	.1092757
#2	.1343601	2.983522	.0224585	-.000548	.4887741	.0737521	.1128774
#3	.1346615	2.986634	.0229436	-.000751	.3763704	.0759184	.1060196

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.466787	F-45.2017	.0204601	.0019693	26.34971	2.804104	-.001505
Stddev	.050121	.2837	.0012191	.0002593	.29227	.015056	.000358
%RSD	2.031818	.6277407	5.958182	13.16872	1.109191	.5369353	23.76741
#1	2.524651	-45.3990	.0203132	.0020043	26.65500	2.800042	-.001645
#2	2.438804	-45.3297	.0217459	.0016942	26.07248	2.791496	-.001772
#3	2.436907	-44.8766	.0193211	.0022093	26.32165	2.820775	-.001099

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-01 Acquired: 11/13/2011 15:09:18 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9QL8 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4971359	34.83476	2.442679
Stddev	.0015012	.67106	.016527
%RSD	.3019623	1.926397	.6765938
#1	.4968835	34.27769	2.452347
#2	.4957769	34.64685	2.423596
#3	.4987472	35.57974	2.452094

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	434.5416	5303.542	105422.7	21255.91	5645.372
Stddev	3.0968	30.342	307.2	54.92	22.418
%RSD	.7126529	.5721148	.2914021	.2583895	.3970993
#1	432.9548	5271.218	105098.6	21192.55	5621.863
#2	432.5599	5307.998	105459.7	21285.31	5647.745
#3	438.1102	5331.409	105709.7	21289.88	5666.509

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-02 Acquired: 11/13/2011 15:12:39 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9QL9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0940743	-.003735	.7038118	.0018425	.0371254	31.23628
Stddev	.0002814	.000408	.0022957	.0016928	.0005165	.04741
%RSD	.2991002	10.91292	.3261774	91.87504	1.391163	.1517772
#1	.0943517	-.004132	.7043745	.0037217	.0377204	31.18189
#2	.0940819	-.003757	.7057738	.0013687	.0367932	31.26884
#3	.0937892	-.003317	.7012871	.0004371	.0368625	31.25811

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2939576	.0055659	.0127461	4.998487	.0882680	.0448248
Stddev	.0007726	.0002430	.0001051	.019383	.0008730	.0002150
%RSD	.2628360	4.365960	.8242018	.3877724	.9890528	.4796920
#1	.2947226	.0052948	.0127840	4.977221	.0880193	.0445998
#2	.2939727	.0056389	.0128270	5.003076	.0875463	.0450281
#3	.2931776	.0057641	.0126274	5.015163	.0892384	.0448467

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1297749	135.5702	.2706201	4.680174	.1464357	-.001439
Stddev	.0011269	.3154	.0008798	.010492	.0002892	.000046
%RSD	.8683106	.2326626	.3251148	.2241790	.1974676	3.216079
#1	.1284824	135.2066	.2706122	4.691612	.1466184	-.001436
#2	.1302916	135.7708	.2715039	4.677912	.1465863	-.001394
#3	.1305507	135.7331	.2697443	4.670997	.1461023	-.001486

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8316485	.2154875	1.234004	3.361374	F-244.678	.0370612
Stddev	.0216417	.0020824	.007433	.016407	.543	.0023079
%RSD	2.602262	.9663810	.6023270	.4881171	.2218305	6.227187
#1	.8565758	.2131145	1.226525	3.373339	-244.934	.0352568
#2	.8176576	.2170105	1.241389	3.342670	-244.055	.0396618
#3	.8207120	.2163375	1.234097	3.368113	-245.046	.0362650

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-02 Acquired: 11/13/2011 15:12:39 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9QL9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0067809	2778.052	3.606669	.0086340	.5442958	46.70996
Stddev	.0001309	.408	.012727	.0004195	.0007076	.31856
%RSD	1.930786	.0146921	.3528873	4.858889	.1300112	.6819959
#1	.0069321	2777.930	3.592884	.0089038	.5438334	47.02015
#2	.0067060	2778.507	3.617975	.0081507	.5439435	46.38365
#3	.0067046	2777.718	3.609147	.0088475	.5451104	46.72609

Elem	Sr4077
Units	ppm
Avg	F 10.18903
Stddev	.03121
%RSD	.3063489
#1	10.22124
#2	10.18694
#3	10.15892

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	433.3728	5290.429	105159.1	21357.25	5502.056
Stddev	1.5962	16.417	352.0	10.13	12.500
%RSD	.3683248	.3103159	.3347448	.0474376	.2271817
#1	434.2473	5271.672	105427.2	21367.05	5489.270
#2	431.5304	5297.429	105289.7	21357.87	5502.648
#3	434.3407	5302.186	104760.5	21346.82	5514.249

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-03 Acquired: 11/13/2011 15:15:55 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R91 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0144419	-.005055	.1858658	.0018656	.0046598	15.81391	.1567327
Stddev	.0011245	.000874	.0006443	.0003936	.0005132	.06006	.0008385
%RSD	7.786422	17.28580	.3466351	21.09568	11.01304	.3798185	.5349986
#1	.0153892	-.005875	.1866080	.0014124	.0052524	15.74850	.1561406
#2	.0131992	-.004136	.1854507	.0020632	.0043649	15.82661	.1576922
#3	.0147374	-.005154	.1855387	.0021211	.0043622	15.86660	.1563652

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018774	.0027569	1.735824	.0403903	.0126282	.0300323	24.79907
Stddev	.0001479	.0000802	.011887	.0002783	.0000523	.0012475	.10366
%RSD	7.879310	2.908557	.6848292	.6891036	.4145451	4.153695	.4179867
#1	.0018717	.0026886	1.724439	.0405034	.0126818	.0293591	24.72614
#2	.0017323	.0028452	1.734876	.0405942	.0126258	.0314717	24.75333
#3	.0020280	.0027368	1.748158	.0400732	.0125771	.0292660	24.91773

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1238662	2.468257	.0392637	-.000569	.4829940	.0746865	.1954655
Stddev	.0010097	.048371	.0002216	.000047	.0533662	.0012446	.0039048
%RSD	.8151188	1.959726	.5644299	8.238721	11.04905	1.666399	1.997706
#1	.1229828	2.434444	.0390120	-.000563	.5432669	.0752831	.1962138
#2	.1236491	2.446662	.0393500	-.000526	.4639633	.0755204	.1989419
#3	.1249668	2.523664	.0394293	-.000619	.4417518	.0732559	.1912406

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.074278	F-56.1636	.0179445	.0013187	196.8329	3.093835	.0007086
Stddev	.015957	.0249	.0012458	.0001143	.2033	.016737	.0008858
%RSD	.7692611	.0443166	6.942427	8.670271	.1032964	.5409712	125.0197
#1	2.083381	-56.1921	.0172531	.0014421	196.8637	3.099638	.0011236
#2	2.083599	-56.1528	.0193827	.0012974	196.6160	3.074969	.0013107
#3	2.055853	-56.1460	.0171977	.0012165	197.0192	3.106898	-.000309

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-03 Acquired: 11/13/2011 15:15:55 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R91 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.5264315	28.69081	3.602694
Stddev	.0020310	.53273	.026849
%RSD	.3858109	1.856789	.7452589
#1	.5245559	28.13548	3.591159
#2	.5261501	29.19761	3.633383
#3	.5285886	28.73933	3.583540

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	434.4614	5334.393	106110.7	21150.47	5675.149
Stddev	4.7764	9.532	628.5	55.48	12.412
%RSD	1.099391	.1786866	.5923280	.2623052	.2187038
#1	430.6555	5339.730	105828.9	21144.15	5664.619
#2	432.9074	5323.389	106830.8	21208.83	5671.993
#3	439.8213	5340.062	105672.5	21098.42	5688.833

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-03LX5 Acquired: 11/13/2011 15:19:17 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R91L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0045870	.0012929	.0392139	.0000070	.0004039	3.249174	.0304794
Stddev	.0007289	.0011696	.0014445	.0016999	.0002181	.005656	.0002054
%RSD	15.89067	90.46314	3.683688	24426.61	53.98489	.1740799	.6740069
#1	.0046391	.0025371	.0385339	.0016708	.0006100	3.249269	.0303284
#2	.0052885	.0002158	.0408729	.0000768	.0001756	3.243471	.0307133
#3	.0038335	.0011258	.0382349	-.001727	.0004262	3.254782	.0303964

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001917	.0005462	.3499885	.0081113	.0025183	.0037668	5.154153
Stddev	.0001450	.0000582	.0045732	.0008837	.0000977	.0002503	.009431
%RSD	75.62635	10.65829	1.306679	10.89425	3.880515	6.644308	.1829747
#1	.0000292	.0004907	.3552064	.0071319	.0026279	.0039942	5.149330
#2	.0003078	.0006068	.3466763	.0088489	.0024404	.0038076	5.165020
#3	.0002381	.0005413	.3480828	.0083532	.0024866	.0034987	5.148109

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0252358	.5075820	.0080939	-.000452	.2422615	.0158240	.0435979
Stddev	.0005266	.0137842	.0001850	.000211	.0137206	.0016514	.0011931
%RSD	2.086714	2.715653	2.285486	46.68662	5.663548	10.43622	2.736602
#1	.0248307	.4917556	.0081981	-.000528	.2398721	.0177309	.0425667
#2	.0250457	.5140303	.0082033	-.000616	.2298926	.0148763	.0433222
#3	.0258311	.5169601	.0078803	-.000214	.2570199	.0148648	.0449047

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3426816	F-11.8862	.0032875	-.000032	42.81108	.6359825	-.004122
Stddev	.0128059	.1508	.0003455	.000265	.25175	.0058543	.000328
%RSD	3.736955	1.268678	10.50793	826.5553	.5880495	.9205101	7.953625
#1	.3570926	-11.9295	.0032934	.000273	42.92296	.6326538	-.004389
#2	.3326069	-12.0106	.0036299	-.000167	42.98750	.6325516	-.004220
#3	.3383452	-11.7185	.0029391	-.000202	42.52278	.6427422	-.003756

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-03LX5 Acquired: 11/13/2011 15:19:17 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R91L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1052795	4.063750	.7165443
Stddev	.0009100	.295690	.0110758
%RSD	.8643506	7.276294	1.545726
#1	.1050618	3.727253	.7117541
#2	.1062786	4.282100	.7292089
#3	.1044981	4.181896	.7086698

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	452.1274	5474.758	108137.8	21756.65	5937.491
Stddev	3.2059	18.019	572.3	50.60	6.880
%RSD	.7090714	.3291321	.5292722	.2325950	.1158687
#1	454.7112	5495.454	108719.2	21775.12	5944.620
#2	453.1312	5466.267	108119.2	21699.41	5930.891
#3	448.5397	5462.554	107574.9	21795.43	5936.964

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-04 Acquired: 11/13/2011 15:22:41 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R91D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0181859	-.003819	.0975397	.0010880	.0048275	16.93528	.1326911
Stddev	.0012468	.000674	.0017422	.0020564	.0012642	.01897	.0010523
%RSD	6.855699	17.64554	1.786154	189.0012	26.18732	.1119976	.7930385
#1	.0196242	-.003258	.0989488	.0031841	.0035027	16.92129	.1338954
#2	.0175213	-.004567	.0955917	.0010063	.0049588	16.95687	.1319493
#3	.0174122	-.003634	.0980785	-.000926	.0060209	16.92769	.1322284

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015385	.0020957	1.659014	.0422216	.0120345	.0181001	27.37118
Stddev	.0001739	.0000522	.006124	.0019325	.0001360	.0007985	.03603
%RSD	11.30427	2.492343	.3691362	4.577155	1.130421	4.411597	.1316460
#1	.0014183	.0020554	1.654075	.0403409	.0119106	.0175084	27.40280
#2	.0014593	.0020769	1.665866	.0442021	.0120130	.0190083	27.33195
#3	.0017379	.0021547	1.657101	.0421218	.0121801	.0177835	27.37879

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1270752	2.540702	.0290352	-.000714	.4778144	.0772329	.2001770
Stddev	.0001518	.042762	.0004028	.000202	.0392081	.0023811	.0013897
%RSD	.1194213	1.683082	1.387273	28.33257	8.205715	3.083002	.6942093
#1	.1269253	2.494892	.0294078	-.000628	.4691437	.0799501	.2013472
#2	.1272288	2.547650	.0286078	-.000945	.5206320	.0755107	.2005427
#3	.1270714	2.579565	.0290899	-.000569	.4436674	.0762378	.1986410

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.067969	F-47.5460	.0173401	.0016722	223.8487	2.586335	.0044943
Stddev	.021864	.3955	.0025125	.0000877	2.0002	.016079	.0008057
%RSD	1.057272	.8318437	14.48967	5.241755	.8935703	.6217037	17.92702
#1	2.091489	-48.0012	.0184487	.0017728	226.1051	2.604690	.0051504
#2	2.048263	-47.2871	.0191077	.0016307	222.2935	2.579577	.0035950
#3	2.064155	-47.3496	.0144639	.0016129	223.1474	2.574737	.0047374

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-04 Acquired: 11/13/2011 15:22:41 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R91D Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.5565286	28.37594	2.966600
Stddev	.0019800	.14543	.010148
%RSD	.3557734	.5125054	.3420877
#1	.5582041	28.53374	2.967490
#2	.5570380	28.34678	2.976274
#3	.5543437	28.24730	2.956036

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	425.4628	5252.052	104883.8	21214.06	5597.036
Stddev	4.7953	56.219	887.9	186.22	49.710
%RSD	1.127073	1.070418	.8465604	.8778357	.8881464
#1	423.0040	5187.535	104363.4	21009.61	5540.241
#2	422.3957	5278.086	104379.1	21258.61	5618.236
#3	430.9888	5290.535	105909.1	21373.98	5632.631

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-05 Acquired: 11/13/2011 15:26:03 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R91S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0801439	.0880274	.1642770	.0756454	.1528376	21.81810	3.585491
Stddev	.0024901	.0007414	.0025990	.0037455	.0024590	.06473	.020993
%RSD	3.107068	.8422566	1.582080	4.951417	1.608874	.2966993	.5854896
#1	.0827861	.0871742	.1638801	.0763507	.1549847	21.81091	3.607660
#2	.0798048	.0883932	.1670516	.0715974	.1533731	21.88612	3.582896
#3	.0778406	.0885149	.1618992	.0789882	.1501551	21.75725	3.565916

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0776542	.0869287	1.785560	.3615001	.7965824	.4391921	29.29836
Stddev	.0003868	.0000557	.008492	.0028972	.0003106	.0015512	.03834
%RSD	.4980352	.0640438	.4755863	.8014342	.0389980	.3532000	.1308762
#1	.0772687	.0869149	1.777018	.3593224	.7962420	.4396805	29.30209
#2	.0780422	.0868812	1.794001	.3603897	.7968506	.4404404	29.25829
#3	.0776518	.0869899	1.785662	.3647883	.7966544	.4374555	29.33471

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9591971	2.792964	.8259294	.0853721	.4884537	.9004700	1.084975
Stddev	.0008011	.003080	.0013037	.0003919	.0519330	.0039744	.007499
%RSD	.0835139	.1102819	.1578456	.4590286	10.63213	.4413698	.6911919
#1	.9587063	2.796520	.8254669	.0858209	.5421233	.9026531	1.092876
#2	.9587635	2.791122	.8274014	.0850971	.4384517	.9028744	1.084093
#3	.9601215	2.791250	.8249201	.0851984	.4847860	.8958826	1.077956

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.446417	F-57.0591	.0187139	.0015193	251.6285	3.488130	-.000589
Stddev	.059793	.3910	.0030208	.0000249	.1657	.007021	.000398
%RSD	2.444125	.6852362	16.14193	1.635675	.0658433	.2012890	67.51796
#1	2.377833	-57.2860	.0209670	.0015469	251.7487	3.482072	-.000908
#2	2.473819	-57.2836	.0152813	.0014986	251.4395	3.486492	-.000143
#3	2.487598	-56.6076	.0198935	.0015126	251.6974	3.495825	-.000715

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-05 Acquired: 11/13/2011 15:26:03 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R91S Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.6853051	32.23086	3.677368
Stddev	.0018957	.31277	.021658
%RSD	.2766166	.9704032	.5889425
#1	.6871154	32.54664	3.702194
#2	.6833343	32.22475	3.667559
#3	.6854657	31.92119	3.662350

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	433.8681	5325.687	106293.3	21481.97	5617.081
Stddev	3.4623	27.978	343.1	27.12	15.626
%RSD	.7980011	.5253495	.3227709	.1262224	.2781883
#1	429.9133	5296.555	105958.4	21451.50	5600.551
#2	435.3388	5328.157	106644.0	21490.96	5619.083
#3	436.3523	5352.348	106277.7	21503.44	5631.610

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-06 Acquired: 11/13/2011 15:29:19 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R92 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0153008	-.001985	.0360687	.0025703	.0006544	8.360957	.0645559
Stddev	.0012489	.000192	.0009125	.0016429	.0005960	.019793	.0004491
%RSD	8.162042	9.656789	2.529998	63.91919	91.08181	.2367371	.6956601
#1	.0154277	-.002142	.0370792	.0010740	.0000159	8.374567	.0645637
#2	.0164814	-.002042	.0358219	.0023085	.0011961	8.370054	.0650010
#3	.0139934	-.001771	.0353049	.0043283	.0007513	8.338251	.0641029

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018270	.0015907	1.043520	.0453643	.0081720	.0043416	29.57684
Stddev	.0001476	.0000198	.003014	.0013610	.0000978	.0014637	.13418
%RSD	8.080287	1.245936	.2888347	3.000062	1.196623	33.71299	.4536742
#1	.0019227	.0015679	1.046517	.0451452	.0082766	.0043396	29.60361
#2	.0016570	.0016027	1.043555	.0441262	.0080829	.0058062	29.69561
#3	.0019013	.0016017	1.040489	.0468216	.0081565	.0028789	29.43128

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0550682	1.307032	.0158658	-.000671	.5025755	.1078143	.1138301
Stddev	.0002732	.011849	.0000949	.000239	.0663179	.0002692	.0009933
%RSD	.4960338	.9065196	.5980936	35.60746	13.19562	.2497008	.8726124
#1	.0552167	1.316613	.0157666	-.000396	.4297123	.1075881	.1136349
#2	.0552350	1.293783	.0158752	-.000798	.5186042	.1077426	.1149065
#3	.0547530	1.310700	.0159557	-.000821	.5594101	.1081120	.1129488

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.291507	F-39.1053	.0195845	.0001376	141.8349	2.250761	-.003144
Stddev	.006732	.0428	.0018072	.0003066	.3973	.009880	.000291
%RSD	.2937636	.1094732	9.227882	222.8636	.2801078	.4389425	9.246481
#1	2.295285	-39.0671	.0175095	-.000178	141.4536	2.257157	-.002954
#2	2.295502	-39.1516	.0204302	.000156	141.8046	2.255744	-.002999
#3	2.283735	-39.0973	.0208138	.000435	142.2464	2.239382	-.003479

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-06 Acquired: 11/13/2011 15:29:19 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R92 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2493601	15.54878	1.724851
Stddev	.0008541	.41478	.023992
%RSD	.3425043	2.667575	1.390943
#1	.2495182	15.91288	1.737571
#2	.2501241	15.63620	1.739805
#3	.2484380	15.09727	1.697178

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	429.1523	5313.202	106405.9	21257.79	5701.093
Stddev	3.6401	10.747	804.6	148.97	8.804
%RSD	.8482052	.2022609	.7561673	.7007734	.1544337
#1	425.1345	5306.352	106588.8	21177.19	5702.369
#2	430.0919	5325.588	105525.6	21166.49	5709.189
#3	432.2304	5307.667	107103.3	21429.70	5691.720

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-07 Acquired: 11/13/2011 15:32:43 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R93 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0261625	-.002711	.0449186	.0022315	.0011491	14.05996	.1211832
Stddev	.0011011	.001572	.0012722	.0036592	.0002280	.58323	.0044670
%RSD	4.208791	57.96901	2.832262	163.9784	19.83754	4.148128	3.686134
#1	.0269305	-.002251	.0459206	-.001587	.0008859	13.70487	.1190141
#2	.0249009	-.004462	.0434873	.002575	.0012841	13.74194	.1182150
#3	.0266560	-.001421	.0453479	.005707	.0012772	14.73307	.1263205

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0022417	.0019774	1.836993	.0651559	.0214278	.0049321	37.38136
Stddev	.0001246	.0000516	.070512	.0011241	.0000809	.0006926	1.53717
%RSD	5.560100	2.610122	3.838463	1.725178	.3776293	14.04165	4.112133
#1	.0021018	.0019531	1.789802	.0639382	.0215202	.0049450	36.40562
#2	.0022823	.0020367	1.803128	.0653758	.0213935	.0042332	36.58514
#3	.0023409	.0019425	1.918049	.0661538	.0213697	.0056181	39.15330

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0723843	2.463437	.0260481	-.000767	.4734394	.1483348	.1575917
Stddev	.0029938	.124826	.0001613	.000041	.0439613	.0063789	.0054080
%RSD	4.135919	5.067141	.6192578	5.316027	9.285515	4.300362	3.431669
#1	.0706088	2.388417	.0258631	-.000803	.5124603	.1459618	.1564739
#2	.0707033	2.394362	.0261214	-.000723	.4820469	.1434826	.1528299
#3	.0758408	2.607533	.0261597	-.000776	.4258109	.1555602	.1634713

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.612504	F-55.8935	.0373426	.0004638	247.7657	3.686256	-.000383
Stddev	.181890	.4967	.0033497	.0001559	.2340	.146570	.001282
%RSD	3.943410	.8886984	8.970326	33.61414	.0944263	3.976132	334.5460
#1	4.505102	-56.0918	.0341965	.0005405	247.8557	3.588502	-.000566
#2	4.509896	-56.2604	.0408643	.0002844	247.9413	3.615482	.000980
#3	4.822514	-55.3282	.0369670	.0005664	247.5001	3.854782	-.001563

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-07 Acquired: 11/13/2011 15:32:43 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R93 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.3450167	31.45541	2.968015
Stddev	.0135225	.45821	.105036
%RSD	3.919381	1.456697	3.538917
#1	.3371055	31.05348	2.902331
#2	.3373138	31.35840	2.912558
#3	.3606307	31.95436	3.089156

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	423.6748	5257.310	105183.5	20892.44	5616.042
Stddev	10.0611	21.786	294.1	649.74	12.048
%RSD	2.374712	.4143864	.2796203	3.109940	.2145216
#1	427.1561	5239.130	104974.4	21232.93	5603.850
#2	431.5328	5251.342	105056.4	21301.17	5616.337
#3	412.3354	5281.457	105519.8	20143.22	5627.940

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-08 Acquired: 11/13/2011 15:36:06 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R94 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0085439	-.004286	.0304752	.0026377	.0001630	14.48457	.1686499
Stddev	.0014712	.000408	.0009687	.0012500	.0006135	.19368	.0025708
%RSD	17.21877	9.509066	3.178621	47.38926	376.4711	1.337153	1.524325
#1	.0096985	-.004268	.0303296	.0031097	-.000500	14.42667	.1680306
#2	.0068875	-.003887	.0315084	.0035828	.000710	14.32645	.1664453
#3	.0090457	-.004702	.0295875	.0012204	.000280	14.70060	.1714737

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013062	.0007757	2.036847	.0480914	.0070037	.0013037	16.45235
Stddev	.0001228	.0000992	.036002	.0006753	.0001848	.0004542	.29629
%RSD	9.399359	12.79364	1.767551	1.404290	2.639211	34.83945	1.800898
#1	.0014236	.0008664	2.023995	.0473731	.0071946	.0013108	16.30271
#2	.0011787	.0006697	2.009034	.0487134	.0069910	.0008460	16.26072
#3	.0013165	.0007909	2.077512	.0481876	.0068256	.0017543	16.79361

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0515235	2.306443	.0152869	-.000378	.5084630	.0677712	.0937354
Stddev	.0007233	.028117	.0002528	.000034	.0377798	.0006441	.0011713
%RSD	1.403741	1.219054	1.653885	8.899893	7.430198	.9503696	1.249556
#1	.0512458	2.277302	.0155610	-.000365	.5486611	.0673920	.0925409
#2	.0509802	2.308616	.0150628	-.000353	.4736874	.0674066	.0948820
#3	.0523444	2.333409	.0152370	-.000417	.5030406	.0685148	.0937832

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.123286	F-27.6159	.0211742	.0002163	90.45597	3.640312	-.001161
Stddev	.053050	.0378	.0024463	.0002197	.46501	.055497	.000516
%RSD	1.286596	.1369897	11.55311	101.5616	.5140707	1.524508	44.43731
#1	4.086249	-27.5919	.0187285	.0000702	90.87421	3.602203	-.001735
#2	4.099549	-27.6595	.0236210	.0001098	89.95524	3.614749	-.000735
#3	4.184060	-27.5964	.0211731	.0004689	90.53847	3.703983	-.001013

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-08 Acquired: 11/13/2011 15:36:06 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R94 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1520008	35.49414	4.129271
Stddev	.0020568	.25190	.059936
%RSD	1.353143	.7097065	1.451502
#1	.1511483	35.35904	4.146740
#2	.1505074	35.33860	4.062540
#3	.1543468	35.78477	4.178531

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	431.0594	5298.875	106121.0	21320.06	5670.953
Stddev	4.8421	19.960	554.2	227.54	12.861
%RSD	1.123312	.3766784	.5222553	1.067251	.2267928
#1	425.9416	5285.697	105488.7	21308.94	5656.421
#2	435.5683	5289.089	106522.3	21552.96	5675.568
#3	431.6683	5321.839	106352.2	21098.29	5680.870

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-09 Acquired: 11/13/2011 15:39:27 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R95 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0260536	-.004129	.0314923	.0006639	.0020783	42.60970	.1151645
Stddev	.0019836	.000635	.0010814	.0018297	.0010062	.16382	.0008536
%RSD	7.613404	15.38922	3.433994	275.6125	48.41481	.3844731	.7411648
#1	.0241669	-.004806	.0321326	-.000996	.0009576	42.42379	.1142031
#2	.0258725	-.004034	.0302437	.002626	.0023734	42.73293	.1158332
#3	.0281216	-.003546	.0321007	.000362	.0029040	42.67238	.1154572

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0031370	.0054597	1.901300	.1543757	.0065778	.0174545	104.1241
Stddev	.0002103	.0001589	.009536	.0023478	.0001816	.0013846	.4727
%RSD	6.704121	2.910057	.5015551	1.520844	2.761345	7.932510	.4539911
#1	.0030423	.0055013	1.893024	.1556546	.0065576	.0158626	103.5802
#2	.0029907	.0055937	1.899149	.1516661	.0067687	.0181222	104.3552
#3	.0033781	.0052842	1.911728	.1558065	.0064072	.0183788	104.4367

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0995693	6.639424	.0195277	-.001409	.5540218	.2247524	.1334402
Stddev	.0005515	.047273	.0005954	.000120	.0306658	.0014872	.0016599
%RSD	.5539244	.7120090	3.049228	8.542332	5.535119	.6616926	1.243960
#1	.0989488	6.586308	.0188755	-.001547	.5890221	.2230461	.1325413
#2	.1000039	6.676881	.0196655	-.001323	.5318718	.2254374	.1353558
#3	.0997551	6.655082	.0200422	-.001357	.5411714	.2257736	.1324237

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.75733	F-62.6629	.0900329	-.000216	15.92741	3.751769	.0011003
Stddev	.04681	.1359	.0012315	.000185	.20693	.005104	.0005342
%RSD	.2970482	.2168582	1.367819	85.60439	1.299196	.1360320	48.54927
#1	15.70809	-62.8020	.0913412	-.000003	15.72134	3.749283	.0017117
#2	15.80125	-62.6562	.0888962	-.000333	15.92570	3.757639	.0008660
#3	15.76265	-62.5304	.0898615	-.000313	16.13518	3.748384	.0007234

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-09 Acquired: 11/13/2011 15:39:27 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R95 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.4414050	52.60946	4.023872
Stddev	.0017997	1.04138	.034950
%RSD	.4077303	1.979446	.8685715
#1	.4394880	51.92117	3.987365
#2	.4430585	52.09970	4.057024
#3	.4416684	53.80751	4.027227

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	429.5576	5284.422	105247.6	21279.02	5460.929
Stddev	2.2338	22.145	578.9	20.90	16.298
%RSD	.5200219	.4190678	.5500529	.0982360	.2984556
#1	427.2908	5260.893	104634.2	21298.71	5443.311
#2	429.6252	5287.512	105324.2	21257.09	5464.007
#3	431.7569	5304.859	105784.4	21281.28	5475.469

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-10 Acquired: 11/13/2011 15:42:47 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R96 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0114807	-.004064	.1892776	.0020357	.0067853	10.48232
Stddev	.0019429	.000719	.0020123	.0020342	.0005053	.06968
%RSD	16.92348	17.68646	1.063165	99.92502	7.447244	.6647043
#1	.0092565	-.003586	.1880033	.0005929	.0062569	10.51323
#2	.0123386	-.004890	.1882321	.0011520	.0072638	10.53119
#3	.0128470	-.003714	.1915975	.0043622	.0068352	10.40253

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1584685	.0026689	.0038072	6.191031	.0359039	.0159084
Stddev	.0008003	.0001412	.0000426	.031312	.0003975	.0000923
%RSD	.5050423	5.291685	1.119176	.5057580	1.107185	.5802429
#1	.1586140	.0028317	.0037592	6.155068	.0354871	.0160123
#2	.1591860	.0025797	.0038220	6.212235	.0362789	.0158356
#3	.1576053	.0025952	.0038405	6.205792	.0359457	.0158774

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0623463	22.31575	.1025014	1.984832	.0507534	-.000086
Stddev	.0011355	.09373	.0002930	.007627	.0000206	.000203
%RSD	1.821262	.4200166	.2858442	.3842549	.0404988	236.9592
#1	.0632653	22.23942	.1021782	1.976194	.0507671	.000148
#2	.0626968	22.42036	.1025765	1.990638	.0507297	-.000182
#3	.0610769	22.28747	.1027496	1.987665	.0507633	-.000224

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5722422	.0609013	.6370420	1.723193	F-81.6297	.0183294
Stddev	.0227345	.0009221	.0061609	.012965	.2813	.0013002
%RSD	3.972879	1.514129	.9671070	.7524045	.3446660	7.093347
#1	.5819198	.0617230	.6440923	1.738069	-81.8831	.0172265
#2	.5885367	.0599040	.6343391	1.717215	-81.6790	.0179987
#3	.5462701	.0610769	.6326945	1.714295	-81.3269	.0197630

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-10 Acquired: 11/13/2011 15:42:47 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R96 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011840	344.5244	3.041295	.0021531	.2732377	19.31302
Stddev	.0000539	.3135	.013104	.0008788	.0009293	1.04256
%RSD	4.552461	.0909821	.4308805	40.81602	.3401151	5.398246
#1	.0012044	344.5105	3.030420	.0014208	.2731456	19.31098
#2	.0012247	344.2181	3.055844	.0019109	.2742097	20.35661
#3	.0011229	344.8445	3.037620	.0031276	.2723579	18.27148

Elem	Sr4077
Units	ppm
Avg	F 12.25509
Stddev	.09089
%RSD	.7416243
#1	12.31877
#2	12.29549
#3	12.15100

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	432.0336	5313.849	107476.7	21553.55	5675.396
Stddev	6.8666	9.548	26.2	121.66	10.948
%RSD	1.589360	.1796908	.0243714	.5644605	.1929016
#1	425.2150	5310.806	107455.3	21471.74	5663.290
#2	431.9386	5306.193	107505.9	21495.54	5684.603
#3	438.9471	5324.548	107468.9	21693.36	5678.295

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-11 Acquired: 11/13/2011 15:46:07 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R97 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0131132	-.003921	.0384070	.0021861	.0005399	14.62496	.1671861
Stddev	.0005224	.000718	.0011470	.0017077	.0008672	.02704	.0006589
%RSD	3.983906	18.30281	2.986350	78.11670	160.6229	.1848688	.3941312
#1	.0131778	-.003526	.0376734	.0013286	.0015230	14.59850	.1666581
#2	.0136003	-.004749	.0378189	.0010770	.0002129	14.65254	.1679246
#3	.0125615	-.003487	.0397287	.0041526	-.000116	14.62385	.1669757

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015453	.0011390	1.255878	.0378855	.0057808	.0105903	21.77448
Stddev	.0001741	.0000095	.013284	.0016664	.0001615	.0012655	.09336
%RSD	11.26473	.8356141	1.057732	4.398517	2.794280	11.94970	.4287397
#1	.0014682	.0011383	1.241065	.0395674	.0055962	.0097421	21.68422
#2	.0014231	.0011489	1.266733	.0362350	.0058960	.0120449	21.87065
#3	.0017446	.0011299	1.259837	.0378542	.0058502	.0099839	21.76856

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0649298	1.876296	.0142625	-.000585	.4544801	.0808992	.1040197
Stddev	.0001785	.013752	.0002590	.000285	.0629608	.0013115	.0010383
%RSD	.2748304	.7329307	1.815662	48.74496	13.85336	1.621174	.9981961
#1	.0648181	1.869535	.0144867	-.000712	.4383512	.0806701	.1028264
#2	.0651357	1.867234	.0139790	-.000785	.4011527	.0797173	.1045164
#3	.0648358	1.892120	.0143218	-.000259	.5239363	.0823101	.1047164

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.044249	F-53.4650	.0225395	.0001723	157.1697	3.671548	.0015136
Stddev	.058447	.2437	.0022415	.0001026	.2212	.013750	.0003677
%RSD	1.919927	.4557967	9.944869	59.52254	.1407648	.3744985	24.29399
#1	3.019778	-53.2521	.0245841	.0002181	157.3496	3.656363	.0016995
#2	3.110955	-53.7308	.0201427	.0000548	157.2368	3.683155	.0017513
#3	3.002015	-53.4120	.0228917	.0002441	156.9227	3.675125	.0010901

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-11 Acquired: 11/13/2011 15:46:07 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R97 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2704461	28.98233	2.915644
Stddev	.0010165	.38939	.002710
%RSD	.3758541	1.343529	.0929426
#1	.2693247	28.57054	2.918662
#2	.2707066	29.34457	2.914853
#3	.2713069	29.03190	2.913418

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	432.3033	5318.137	107134.7	21565.33	5676.997
Stddev	3.0211	18.188	794.0	59.53	17.554
%RSD	.6988297	.3420013	.7411433	.2760395	.3092072
#1	429.3804	5298.227	106424.0	21543.97	5657.629
#2	432.1157	5322.302	106988.4	21519.43	5681.506
#3	435.4137	5333.881	107991.6	21632.59	5691.857

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-12 Acquired: 11/13/2011 15:49:27 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R98 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0045807	-.003550	.0208292	.0015331	.0005640	7.327417	.0949640
Stddev	.0013083	.000637	.0003968	.0020442	.0001255	.056978	.0006761
%RSD	28.56137	17.92731	1.904921	133.3427	22.26238	.7775965	.7119462
#1	.0032156	-.002816	.0211515	.0005550	.0005432	7.270572	.0947621
#2	.0047029	-.003925	.0203860	.0001616	.0006986	7.327154	.0944119
#3	.0058236	-.003911	.0209500	.0038826	.0004501	7.384527	.0957180

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007593	.0004739	1.037494	.0194288	.0018440	-.000028	9.645053
Stddev	.0000683	.0000571	.002149	.0012482	.0000645	.001088	.048773
%RSD	8.996261	12.04748	.2071282	6.424665	3.499750	3884.510	.5056755
#1	.0007937	.0004911	1.037871	.0182974	.0018099	-.000921	9.613774
#2	.0006806	.0005203	1.035182	.0192210	.0018037	-.000348	9.620135
#3	.0008036	.0004101	1.039430	.0207678	.0019185	.001184	9.701251

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0388412	.8439849	.0051413	-.000305	.4454899	.0273691	.0703786
Stddev	.0004724	.0197279	.0003981	.000148	.0667490	.0001776	.0017194
%RSD	1.216160	2.337465	7.743251	48.59231	14.98327	.6488023	2.443072
#1	.0384332	.8249777	.0046843	-.000139	.3717850	.0275577	.0723072
#2	.0387317	.8426148	.0054131	-.000354	.4628203	.0272050	.0698227
#3	.0393587	.8643620	.0053264	-.000423	.5018644	.0273447	.0690060

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.419649	F-33.2128	.0087918	.0002198	141.2060	3.675723	-.000821
Stddev	.041172	.0469	.0010352	.0000330	.3437	.021214	.000845
%RSD	2.900130	.1411892	11.77454	15.01756	.2433749	.5771500	102.8407
#1	1.377002	-33.1593	.0087737	.0002577	141.0614	3.670980	.000067
#2	1.459167	-33.2465	.0077658	.0002033	141.5984	3.657281	-.000916
#3	1.422777	-33.2327	.0098359	.0001982	140.9583	3.698907	-.001615

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-12 Acquired: 11/13/2011 15:49:27 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R98 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1706664	14.18145	2.186881
Stddev	.0012204	.43809	.007209
%RSD	.7150616	3.089206	.3296688
#1	.1692590	14.67329	2.183545
#2	.1713101	13.83308	2.181945
#3	.1714302	14.03800	2.195155

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	424.0348	5292.494	106717.2	20999.82	5742.304
Stddev	2.6317	21.704	563.8	115.89	15.108
%RSD	.6206284	.4100921	.5282779	.5518577	.2631065
#1	421.1696	5268.423	106213.8	20975.69	5724.975
#2	426.3442	5310.571	106611.5	21125.87	5749.222
#3	424.5905	5298.488	107326.4	20897.90	5752.715

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-13 Acquired: 11/13/2011 15:52:49 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R99 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0135307	-.005238	.0659196	.0037738	.0021045	46.16364	.3049288
Stddev	.0011321	.001240	.0017553	.0026150	.0001845	.21726	.0030773
%RSD	8.366555	23.67897	2.662836	69.29394	8.767973	.4706262	1.009185
#1	.0130440	-.003968	.0670880	.0039650	.0022539	46.38196	.3083042
#2	.0127235	-.005298	.0667698	.0010684	.0018983	46.16152	.3042028
#3	.0148248	-.006447	.0639011	.0062880	.0021613	45.94746	.3022794

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032157	.0022818	2.520698	.0952647	.0084128	.0034886	46.49821
Stddev	.0001605	.0000221	.006807	.0006047	.0000979	.0004370	.14930
%RSD	4.990816	.9671607	.2700326	.6347389	1.163918	12.52621	.3210842
#1	.0031921	.0023067	2.528192	.0957237	.0085051	.0039806	46.66044
#2	.0033867	.0022648	2.519003	.0954909	.0083101	.0033400	46.46762
#3	.0030684	.0022739	2.514898	.0945796	.0084233	.0031453	46.36658

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1387697	4.244850	.0178361	-.000962	.7045572	.1249883	.1169029
Stddev	.0005846	.022674	.0000983	.000206	.0926363	.0005540	.0028409
%RSD	.4212834	.5341625	.5513392	21.45200	13.14815	.4432145	2.430139
#1	.1386522	4.265209	.0177703	-.000772	.6010225	.1256226	.1201251
#2	.1382527	4.248926	.0177889	-.000933	.7330460	.1247422	.1158244
#3	.1394041	4.220413	.0179492	-.001182	.7796032	.1246000	.1147591

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.609303	F-69.1764	.0356502	.0001083	127.6538	5.493266	.0010133
Stddev	.051680	.1844	.0052230	.0001635	.2852	.033178	.0006937
%RSD	.6791695	.2665732	14.65079	150.9458	.2233811	.6039698	68.46577
#1	7.664245	-69.3051	.0337793	.0001083	127.9740	5.531574	.0002689
#2	7.561662	-69.2590	.0316203	.0002718	127.4270	5.474435	.0016418
#3	7.602001	-68.9652	.0415510	-.000055	127.5605	5.473788	.0011291

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-13 Acquired: 11/13/2011 15:52:49 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R99 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2263461	127.6232	8.349868
Stddev	.0036683	1.8590	.060275
%RSD	1.620655	1.456623	.7218653
#1	.2305214	129.6906	8.401305
#2	.2248760	127.0899	8.364755
#3	.2236409	126.0892	8.283545

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	428.1119	5249.591	104784.3	21284.87	5529.109
Stddev	4.0361	26.873	473.5	159.50	18.040
%RSD	.9427781	.5119141	.4519045	.7493422	.3262709
#1	423.5279	5222.026	104331.4	21114.47	5515.452
#2	431.1326	5251.033	105276.1	21309.56	5522.315
#3	429.6750	5275.715	104745.5	21430.58	5549.559

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-14 Acquired: 11/13/2011 15:56:09 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RA0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0053889	-.003600	.0414171	.0042071	.0002947	20.13920	.1021139
Stddev	.0011536	.000382	.0001765	.0005793	.0010237	.33750	.0019708
%RSD	21.40769	10.61887	.4261869	13.76920	347.3741	1.675817	1.930027
#1	.0040570	-.003987	.0413183	.0048638	-.000878	20.52857	.1043781
#2	.0060335	-.003223	.0413121	.0037685	.000755	19.95851	.1011803
#3	.0060762	-.003589	.0416209	.0039889	.001008	19.93052	.1007834

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011314	.0010997	1.554337	.0492985	.0028975	.0130323	20.52094
Stddev	.0002126	.0000235	.011890	.0013472	.0001362	.0009262	.29329
%RSD	18.79376	2.140626	.7649795	2.732817	4.699789	7.107331	1.429210
#1	.0009180	.0010958	1.566034	.0497975	.0028096	.0138876	20.85954
#2	.0011329	.0011249	1.554714	.0503250	.0028286	.0131608	20.35737
#3	.0013432	.0010783	1.542263	.0477729	.0030544	.0120485	20.34592

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0586600	1.770755	.0116397	.0000245	.6136674	.0593688	.1050870
Stddev	.0008320	.018541	.0002562	.0000867	.0353027	.0013223	.0024017
%RSD	1.418279	1.047070	2.201162	354.1479	5.752746	2.227244	2.285472
#1	.0594686	1.790317	.0117225	.0000312	.5827853	.0608225	.1062666
#2	.0587049	1.768508	.0113523	-.000065	.6521520	.0582376	.1066709
#3	.0578065	1.753440	.0118443	.000108	.6060650	.0590463	.1023236

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.090611	F-18.2464	.0387685	.0004988	66.72589	3.941388	.0008585
Stddev	.054144	.2249	.0022222	.0002949	.76498	.057598	.0002138
%RSD	1.323627	1.232800	5.731918	59.11581	1.146454	1.461354	24.90227
#1	4.152507	-18.5019	.0409339	.0002582	67.53737	4.007844	.0006119
#2	4.067295	-18.0783	.0364936	.0008278	66.62234	3.910439	.0009913
#3	4.052030	-18.1590	.0388779	.0004105	66.01796	3.905881	.0009724

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-14 Acquired: 11/13/2011 15:56:09 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RA0 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2637847	43.11705	2.855852
Stddev	.0044595	.75738	.051798
%RSD	1.690593	1.756577	1.813766
#1	.2689290	43.97122	2.912500
#2	.2610137	42.52740	2.844151
#3	.2614115	42.85253	2.810905

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	425.9745	5313.439	105689.8	20924.17	5643.825
Stddev	10.0058	25.163	280.0	238.23	23.714
%RSD	2.348927	.4735800	.2649233	1.138545	.4201734
#1	415.5695	5284.691	105617.0	20659.21	5618.044
#2	426.8274	5324.159	105453.4	20992.61	5648.725
#3	435.5266	5331.467	105999.0	21120.69	5664.706

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-15 Acquired: 11/13/2011 15:59:30 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RE4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0881949	-.005603	.8767572	.0021421	.0162632	66.42295
Stddev	.0016112	.001299	.0002717	.0014314	.0006907	.16742
%RSD	1.826903	23.18359	.0309894	66.82050	4.246763	.2520589
#1	.0897956	-.004542	.8764912	.0021059	.0165975	66.61205
#2	.0882158	-.005215	.8767462	.0007292	.0154690	66.29357
#3	.0865734	-.007051	.8770343	.0035913	.0167231	66.36324

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8335235	.0083816	.0305247	13.27036	.5643579	.0646642
Stddev	.0042942	.0001983	.0001296	.02787	.0009248	.0003084
%RSD	.5151915	2.366175	.4243977	.2099799	.1638679	.4769736
#1	.8384794	.0085667	.0303752	13.24391	.5653470	.0645938
#2	.8309054	.0081723	.0306046	13.29945	.5642119	.0643970
#3	.8311857	.0084059	.0305942	13.26771	.5635148	.0650017

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4145648	153.0265	2.636412	16.01840	.1733232	.0088021
Stddev	.0008776	.3674	.000908	.06726	.0012560	.0002314
%RSD	.2116997	.2400781	.0344294	.4198647	.7246630	2.628666
#1	.4154975	152.6049	2.636172	15.95438	.1744823	.0088610
#2	.4144416	153.2776	2.637416	16.08848	.1734986	.0085469
#3	.4137553	153.1972	2.635649	16.01236	.1719887	.0089983

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.331459	.5173173	2.582357	8.625082	F-847.056	.0496895
Stddev	.093085	.0002063	.015314	.065473	2.130	.0022693
%RSD	6.991194	.0398825	.5930216	.7590970	.2514772	4.567022
#1	1.434633	.5173101	2.564716	8.693925	-848.423	.0490421
#2	1.253775	.5171147	2.590114	8.563602	-848.144	.0478143
#3	1.305968	.5175271	2.592239	8.617720	-844.602	.0522122

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-15 Acquired: 11/13/2011 15:59:30 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RE4 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0047466	983.2700	2.880164	.0445747	4.886618	142.4517
Stddev	.0000513	2.5496	.005262	.0009769	.004011	1.0325
%RSD	1.079884	.2592966	.1826863	2.191566	.0820765	.7248359
#1	.0048010	984.4069	2.885007	.0435899	4.891129	143.3361
#2	.0046992	985.0534	2.880920	.0445907	4.885273	142.7020
#3	.0047394	980.3498	2.874565	.0455434	4.883453	141.3170

Elem	Sr4077
Units	ppm
Avg	F23.85182
Stddev	.08545
%RSD	.3582413
#1	23.94369
#2	23.77472
#3	23.83705

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	440.8373	5326.068	105482.9	21951.74	5325.146
Stddev	2.5864	18.836	433.1	77.49	14.755
%RSD	.5867104	.3536580	.4106303	.3529893	.2770900
#1	440.2478	5314.626	105127.0	21888.69	5317.713
#2	438.5965	5315.770	105356.5	21928.29	5315.585
#3	443.6676	5347.808	105965.2	22038.25	5342.140

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-16 Acquired: 11/13/2011 16:02:45 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RE5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1266200	-.003929	.5676226	-.002620	.0098454	34.00015
Stddev	.0007508	.001337	.0007696	.001874	.0001078	.15357
%RSD	.5929397	34.01722	.1355835	71.54436	1.095282	.4516617
#1	.1271266	-.003372	.5684497	-.004416	.0099653	34.17738
#2	.1257574	-.002961	.5674904	-.002766	.0098145	33.91647
#3	.1269759	-.005454	.5669277	-.000677	.0097563	33.90661

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6738601	.0090722	.0202485	8.420273	.4112845	.0537642
Stddev	.0009788	.0001946	.0000702	.027381	.0019014	.0001388
%RSD	.1452581	2.144670	.3468668	.3251808	.4623138	.2582281
#1	.6748394	.0088496	.0203260	8.415787	.4096231	.0539020
#2	.6738593	.0092097	.0201891	8.449620	.4108720	.0537662
#3	.6728817	.0091573	.0202304	8.395411	.4133583	.0536243

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2156550	221.9458	1.521081	7.360572	.1036378	-.001749
Stddev	.0018026	.6660	.005569	.044848	.0002547	.000284
%RSD	.8358845	.3000736	.3661198	.6093003	.2458068	16.24787
#1	.2142266	222.4505	1.525645	7.380505	.1038730	-.001471
#2	.2150580	222.1960	1.522721	7.391998	.1033672	-.001736
#3	.2176804	221.1909	1.514876	7.309213	.1036733	-.002039

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.098765	.5653029	1.870995	13.12388	F-473.062	.1021623
Stddev	.039121	.0022653	.010917	.11831	2.756	.0031827
%RSD	3.560497	.4007210	.5835095	.9015087	.5826035	3.115339
#1	1.088634	.5672829	1.871275	13.25391	-475.962	.0984940
#2	1.141955	.5657932	1.859940	13.09516	-472.750	.1041906
#3	1.065705	.5628326	1.881770	13.02257	-470.476	.1038022

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-16 Acquired: 11/13/2011 16:02:45 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RE5 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0039152	1716.869	3.392763	.0798070	1.314925	44.69387
Stddev	.0003116	6.550	.020867	.0003659	.005327	.28727
%RSD	7.957773	.3815049	.6150317	.4584427	.4051528	.6427446
#1	.0035634	1723.691	3.415681	.0797637	1.320927	44.81344
#2	.0040260	1716.286	3.387744	.0801926	1.313093	44.36613
#3	.0041563	1710.630	3.374864	.0794647	1.310755	44.90205

Elem	Sr4077
Units	ppm
Avg	F 13.41744
Stddev	.05344
%RSD	.3982895
#1	13.47739
#2	13.37480
#3	13.40013

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	433.0190	5250.532	104412.4	21584.83	5423.715
Stddev	2.7758	39.194	331.1	177.98	28.008
%RSD	.6410242	.7464673	.3171182	.8245493	.5163925
#1	430.6889	5211.182	104174.6	21381.37	5393.022
#2	436.0900	5250.846	104272.1	21661.48	5430.236
#3	432.2782	5289.567	104790.6	21711.64	5447.887

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-17 Acquired: 11/13/2011 16:06:03 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RE6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2970545	-.006443	.6530490	-.001434	.0098073	78.08725
Stddev	.0024716	.000839	.0014488	.002497	.0015187	1.17027
%RSD	.8320405	13.02045	.2218455	174.1235	15.48513	1.498674
#1	.2945464	-.005810	.6528141	-.001331	.0086094	79.10954
#2	.2994879	-.006125	.6517321	-.003981	.0092971	76.81077
#3	.2971293	-.007395	.6546009	.001010	.0115153	78.34143

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8130382	.0103565	.0206235	19.39777	.5418124	.0962159
Stddev	.0105108	.0002973	.0000640	.27302	.0028991	.0003207
%RSD	1.292777	2.871007	.3104491	1.407487	.5350818	.3332868
#1	.8230958	.0106997	.0205542	19.58266	.5425705	.0959332
#2	.8021264	.0101772	.0206358	19.08418	.5386095	.0961500
#3	.8138924	.0101926	.0206805	19.52646	.5442571	.0965643

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3391676	252.1550	5.000774	19.79622	.1550639	-.002182
Stddev	.0055992	3.9267	.078929	.26882	.0003617	.000449
%RSD	1.650868	1.557262	1.578345	1.357918	.2332404	20.56985
#1	.3451968	255.4207	5.057791	20.02534	.1549634	-.001899
#2	.3341311	247.7981	4.910689	19.50030	.1554652	-.002699
#3	.3381750	253.2463	5.033842	19.86300	.1547631	-.001947

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.496997	.4134432	2.436070	14.91954	F-423.151	.0839157
Stddev	.038515	.0047800	.037480	.26334	1.012	.0077353
%RSD	2.572813	1.156135	1.538547	1.765061	.2390841	9.217967
#1	1.522398	.4174984	2.469073	15.16503	-423.587	.0903475
#2	1.515911	.4081730	2.395322	14.64140	-423.870	.0753324
#3	1.452682	.4146581	2.443814	14.95219	-421.994	.0860673

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-17 Acquired: 11/13/2011 16:06:03 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RE6 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010181	794.3056	3.444697	.0687157	2.352086	153.3389
Stddev	.0002311	.7213	.062484	.0003450	.033419	2.5900
%RSD	22.70392	.0908091	1.813927	.5020301	1.420841	1.689057
#1	.0009769	793.5188	3.483805	.0686807	2.381491	156.1578
#2	.0008103	794.4625	3.372633	.0690768	2.315742	151.0644
#3	.0012670	794.9356	3.477651	.0683895	2.359026	152.7945

Elem	Sr4077
Units	ppm
Avg	F27.08312
Stddev	.41444
%RSD	1.530250
#1	27.42606
#2	26.62259
#3	27.20070

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	444.1506	5354.142	106816.1	22433.63	5210.716
Stddev	7.8836	32.582	244.6	381.50	16.424
%RSD	1.774982	.6085323	.2289863	1.700559	.3152059
#1	435.5379	5332.323	106807.9	22070.78	5195.544
#2	451.0098	5338.509	106575.8	22831.38	5208.448
#3	445.9041	5391.595	107064.8	22398.75	5228.157

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-18 Acquired: 11/13/2011 16:09:18 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RE7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3133783	-.006204	.8953598	.0027211	.0098819	99.80160
Stddev	.0041914	.002070	.0010477	.0013968	.0015980	.36700
%RSD	1.337498	33.37069	.1170189	51.33338	16.17101	.3677323
#1	.3090788	-.006375	.8955185	.0017511	.0102914	99.71407
#2	.3174526	-.008183	.8963191	.0020900	.0112353	100.2045
#3	.3136037	-.004053	.8942417	.0043221	.0081190	99.4863

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9966830	.0101329	.0231275	20.20211	.7249617	.1164106
Stddev	.0082713	.0000402	.0001078	.02676	.0075713	.0002142
%RSD	.8298802	.3965366	.4659656	.1324453	1.044367	.1840319
#1	1.004965	.0101714	.0231427	20.17775	.7181048	.1164165
#2	.996662	.0101362	.0232269	20.23075	.7236933	.1161935
#3	.988422	.0100912	.0230130	20.19784	.7330871	.1166218

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4671888	218.7740	4.967219	26.82711	.1966749	-.000822
Stddev	.0002038	.1428	.008832	.06732	.0004553	.000215
%RSD	.0436341	.0652519	.1778097	.2509316	.2315042	26.08728
#1	.4673832	218.8233	4.969983	26.75710	.1961925	-.000595
#2	.4672066	218.8855	4.974338	26.89137	.1970971	-.000852
#3	.4669767	218.6131	4.957335	26.83285	.1967352	-.001021

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.593666	.2881527	3.993112	12.58371	F-469.881	.0726679
Stddev	.049216	.0019454	.031224	.04891	2.432	.0016627
%RSD	3.088225	.6751405	.7819384	.3886479	.5175856	2.288080
#1	1.631590	.2861302	3.973835	12.62487	-471.525	.0709003
#2	1.538050	.2900106	4.029136	12.59661	-471.031	.0729026
#3	1.611359	.2883174	3.976364	12.52964	-467.088	.0742007

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-18 Acquired: 11/13/2011 16:09:18 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RE7 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020970	1003.657	3.249459	.1006942	2.842309	223.9339
Stddev	.0003042	1.423	.017128	.0009333	.007529	3.5530
%RSD	14.50542	.1417951	.5271157	.9268466	.2649040	1.586631
#1	.0022147	1002.828	3.269161	.1017493	2.845905	227.4781
#2	.0023247	1005.300	3.241117	.1003564	2.847366	223.9515
#3	.0017515	1002.843	3.238101	.0999768	2.833656	220.3722

Elem	Sr4077
Units	ppm
Avg	F30.41924
Stddev	.19755
%RSD	.6494373
#1	30.54170
#2	30.52468
#3	30.19134

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	448.1387	5409.302	108437.8	22591.77	5187.156
Stddev	3.6967	21.251	457.3	103.17	14.575
%RSD	.8248939	.3928572	.4216962	.4566918	.2809880
#1	446.7500	5392.826	107992.2	22494.31	5180.227
#2	445.3375	5401.791	108905.9	22581.16	5177.337
#3	452.3286	5433.288	108415.2	22699.84	5203.903

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-19 Acquired: 11/13/2011 16:12:32 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RE8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2049906	-.005607	.0468355	.0007566	.0018523	44.41020
Stddev	.0034502	.000787	.0010075	.0006818	.0007535	.12704
%RSD	1.683082	14.04121	2.151047	90.11218	40.67654	.2860716
#1	.2027807	-.004830	.0477634	.0013273	.0025939	44.33601
#2	.2089662	-.005587	.0457639	.0009410	.0018755	44.33769
#3	.2032249	-.006404	.0469791	.0000016	.0010875	44.55690

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3257164	.0039858	.0056875	12.12398	.1211883	.0711742
Stddev	.0004232	.0002848	.0000730	.09456	.0034238	.0003248
%RSD	.1299278	7.146301	1.284021	.7799714	2.825204	.4563656
#1	.3254328	.0043131	.0057706	12.01672	.1174222	.0713748
#2	.3262028	.0038503	.0056336	12.15989	.1220300	.0707994
#3	.3255135	.0037941	.0056584	12.19533	.1241129	.0713483

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0341603	98.36888	1.474116	14.54425	.0924948	-.001608
Stddev	.0004941	.46027	.007341	.08708	.0003452	.000190
%RSD	1.446293	.4678980	.4980256	.5987245	.3731988	11.78960
#1	.0336255	98.03748	1.466143	14.45900	.0923141	-.001417
#2	.0345998	98.17476	1.475610	14.54070	.0922775	-.001611
#3	.0342556	98.89441	1.480596	14.63305	.0928928	-.001796

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.193022	.1787246	.2721117	6.643145	F-88.1756	.0419259
Stddev	.057870	.0017040	.0044450	.033237	.4259	.0024222
%RSD	4.850682	.9533971	1.633514	.5003254	.4830149	5.777426
#1	1.175012	.1773715	.2756692	6.679229	-88.0074	.0396651
#2	1.257755	.1781641	.2671289	6.636423	-88.6599	.0444824
#3	1.146299	.1806382	.2735369	6.613782	-87.8595	.0416302

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-19 Acquired: 11/13/2011 16:12:32 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RE8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015667	1158.935	2.629977	-.002172	1.944821	105.9090
Stddev	.0002089	1.778	.010647	.000256	.009443	.6152
%RSD	13.33146	.1534548	.4048177	11.79450	.4855591	.5808866
#1	.0013761	1160.877	2.630440	-.002276	1.936669	105.7889
#2	.0017900	1157.386	2.640385	-.002360	1.942625	105.3626
#3	.0015342	1158.541	2.619107	-.001880	1.955169	106.5753

Elem	Sr4077
Units	ppm
Avg	F 14.61394
Stddev	.04180
%RSD	.2860331
#1	14.57713
#2	14.65938
#3	14.60529

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	435.8863	5284.813	107343.1	22006.85	5432.480
Stddev	3.9359	8.696	1402.8	29.76	14.164
%RSD	.9029618	.1645386	1.306854	.1352333	.2607224
#1	431.3608	5276.379	108959.6	21981.27	5416.281
#2	438.5111	5284.312	106624.0	21999.76	5442.527
#3	437.7871	5293.748	106445.6	22039.51	5438.633

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-20 Acquired: 11/13/2011 16:15:52 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RG7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0361945	-.004708	.0406949	.0028558	.0012380	51.98819
Stddev	.0007079	.000509	.0004800	.0012726	.0007584	.32362
%RSD	1.955942	10.81834	1.179534	44.56206	61.25777	.6224820
#1	.0366449	-.004120	.0412433	.0042669	.0013482	51.71484
#2	.0353785	-.004987	.0404906	.0017952	.0004306	51.90422
#3	.0365601	-.005018	.0403509	.0025052	.0019353	52.34552

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4375144	.0038599	.0047243	16.09763	.1358214	.0336985
Stddev	.0032678	.0000232	.0000168	.15641	.0008673	.0001685
%RSD	.7468923	.6016915	.3553245	.9716075	.6385687	.4999125
#1	.4371125	.0038773	.0047254	15.93271	.1365941	.0335373
#2	.4344662	.0038335	.0047405	16.11635	.1359867	.0338734
#3	.4409646	.0038688	.0047069	16.24383	.1348833	.0336848

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0311868	79.09053	1.518170	17.31439	.0819276	-.001064
Stddev	.0008385	.72803	.012474	.19668	.0003737	.000247
%RSD	2.688597	.9204970	.8216166	1.135947	.4561147	23.20164
#1	.0304330	78.33739	1.505373	17.10771	.0816049	-.000779
#2	.0310376	79.14366	1.518842	17.33620	.0823370	-.001219
#3	.0320900	79.79053	1.530293	17.49926	.0818409	-.001193

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.255296	.1565337	.3073088	6.976596	F-90.3435	.0369925
Stddev	.109932	.0029080	.0007834	.012166	.3307	.0024168
%RSD	8.757419	1.857770	.2549218	.1743819	.3660404	6.533274
#1	1.380848	.1531825	.3068993	6.967184	-90.7248	.0385907
#2	1.176315	.1583920	.3082120	6.972269	-90.1353	.0381747
#3	1.208727	.1580268	.3068150	6.990333	-90.1704	.0342122

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-20 Acquired: 11/13/2011 16:15:52 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RG7 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013181	960.5598	2.688204	-.005768	2.447430	122.4899
Stddev	.0002024	2.5503	.014830	.000568	.019201	1.5148
%RSD	15.35557	.2654976	.5516630	9.852860	.7845278	1.236675
#1	.0010885	959.2999	2.678663	-.006373	2.429945	122.6217
#2	.0014707	958.8847	2.680659	-.005687	2.444367	120.9135
#3	.0013952	963.4948	2.705289	-.005245	2.467978	123.9345

Elem	Sr4077
Units	ppm
Avg	F 19.16242
Stddev	.20158
%RSD	1.051963
#1	19.12299
#2	18.98347
#3	19.38080

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	430.2939	5281.759	106348.2	21850.47	5376.875
Stddev	2.3854	19.138	342.3	48.25	15.171
%RSD	.5543563	.3623375	.3218979	.2208014	.2821547
#1	428.3932	5271.706	105973.9	21876.12	5365.430
#2	432.9707	5269.743	106425.4	21880.47	5371.113
#3	429.5178	5303.829	106645.4	21794.82	5394.083

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-21 Acquired: 11/13/2011 16:19:11 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RG8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0197917	-.003576	.0311336	.0020353	.0007258	38.58463
Stddev	.0015499	.000541	.0003404	.0019398	.0011008	.09934
%RSD	7.831284	15.12673	1.093335	95.31054	151.6641	.2574680
#1	.0215812	-.003963	.0314641	.0040686	.0004642	38.52732
#2	.0188747	-.002958	.0307841	.0018323	-.000221	38.69934
#3	.0189191	-.003807	.0311526	.0002049	.001934	38.52723

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3912758	.0030485	.0038497	12.96220	.1000824	.0171573
Stddev	.0004531	.0001167	.0000203	.03708	.0020804	.0000991
%RSD	.1157943	3.828489	.5259112	.2860522	2.078703	.5777757
#1	.3913443	.0029147	.0038472	12.92221	.0977184	.0171212
#2	.3916907	.0031297	.0038309	12.99544	.1016340	.0170812
#3	.3907923	.0031009	.0038712	12.96893	.1008949	.0172694

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0254831	66.91260	1.887381	11.72941	.0521979	-.001184
Stddev	.0003527	.06175	.002488	.03536	.0008103	.000133
%RSD	1.384127	.0922889	.1318094	.3014253	1.552343	11.24088
#1	.0251173	66.85544	1.884512	11.68904	.0526290	-.001045
#2	.0258211	66.97810	1.888946	11.75487	.0512632	-.001310
#3	.0255108	66.90426	1.888685	11.74432	.0527015	-.001197

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.154943	.1131982	.2102386	4.200504	F-97.5946	.0305041
Stddev	.055718	.0018062	.0030890	.012829	.0874	.0018729
%RSD	4.824311	1.595624	1.469264	.3054053	.0895098	6.139846
#1	1.211500	.1152645	.2075929	4.186392	-97.6392	.0323153
#2	1.100104	.1119195	.2136331	4.203659	-97.4939	.0306219
#3	1.153223	.1124106	.2094896	4.211461	-97.6506	.0285751

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-21 Acquired: 11/13/2011 16:19:11 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RG8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012342	750.4956	2.776383	-.003993	1.742750	85.38129
Stddev	.0004426	2.7106	.019873	.001167	.006738	.29117
%RSD	35.86050	.3611689	.7157928	29.22228	.3866105	.3410186
#1	.0012700	750.8475	2.776947	-.003288	1.744990	85.70115
#2	.0007748	747.6263	2.756234	-.005340	1.748083	85.31106
#3	.0016577	753.0130	2.795969	-.003352	1.735178	85.13166

Elem	Sr4077
Units	ppm
Avg	F 17.91539
Stddev	.09528
%RSD	.5318110
#1	17.87775
#2	18.02373
#3	17.84468

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	433.9060	5278.850	105647.8	21769.47	5475.684
Stddev	3.8395	20.055	195.8	39.89	22.130
%RSD	.8848635	.3799123	.1853444	.1832339	.4041553
#1	433.7956	5256.991	105626.6	21795.27	5452.585
#2	430.1228	5296.401	105463.5	21723.53	5496.698
#3	437.7994	5283.157	105853.4	21789.62	5477.769

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-22 Acquired: 11/13/2011 16:22:29 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RG9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0322132	-.006186	.0628711	.0016436	.0025814	84.02067
Stddev	.0002519	.000632	.0008522	.0034381	.0005769	.26718
%RSD	.7818856	10.22333	1.355476	209.1831	22.34892	.3179956
#1	.0320691	-.005964	.0634687	-.002326	.0022924	83.83158
#2	.0325040	-.006899	.0632494	.003697	.0032457	84.32634
#3	.0320664	-.005694	.0618953	.003559	.0022061	83.90411

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6313909	.0057595	.0071685	14.28232	.2164600	.0569294
Stddev	.0045776	.0000920	.0001304	.06670	.0019894	.0002777
%RSD	.7250034	1.596886	1.819307	.4670407	.9190531	.4878620
#1	.6336493	.0057897	.0070608	14.20550	.2142099	.0567804
#2	.6344005	.0056563	.0071312	14.32564	.2179856	.0572499
#3	.6261230	.0058327	.0073135	14.31581	.2171845	.0567580

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0468740	125.4541	2.149629	26.34996	.1279086	-.002215
Stddev	.0015948	.5501	.007976	.15085	.0009380	.000099
%RSD	3.402204	.4384748	.3710573	.5724927	.7333524	4.491502
#1	.0486730	124.8189	2.140745	26.18379	.1271001	-.002239
#2	.0456340	125.7703	2.156175	26.38779	.1289370	-.002300
#3	.0463151	125.7731	2.151966	26.47829	.1276885	-.002105

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.492229	.2089645	.3763627	8.429093	F-146.783	.0454281
Stddev	.026429	.0011396	.0075260	.034810	1.056	.0029625
%RSD	1.771133	.5453482	1.999653	.4129796	.7196623	6.521258
#1	1.462991	.2077764	.3688810	8.414004	-146.577	.0477345
#2	1.499274	.2100484	.3762751	8.404372	-147.927	.0420871
#3	1.514422	.2090687	.3839321	8.468902	-145.845	.0464629

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4438-22 Acquired: 11/13/2011 16:22:29 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RG9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011169	538.0051	2.775362	-.007277	3.534204	183.4834
Stddev	.0002504	2.9280	.006486	.000739	.008888	1.7592
%RSD	22.41560	.5442344	.2337126	10.14950	.2514884	.9587668
#1	.0013976	535.8049	2.775492	-.006633	3.529205	184.4743
#2	.0009165	541.3284	2.781783	-.007116	3.544466	184.5235
#3	.0010367	536.8820	2.768812	-.008083	3.528941	181.4522

Elem	Sr4077
Units	ppm
Avg	F21.15345
Stddev	.15455
%RSD	.7306021
#1	21.26925
#2	21.21315
#3	20.97796

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	436.6090	5284.361	105695.8	21901.56	5282.370
Stddev	1.7822	33.702	569.9	110.50	26.159
%RSD	.4081959	.6377660	.5391552	.5045526	.4952071
#1	434.8750	5268.141	105422.2	21828.91	5276.525
#2	436.5162	5261.836	105314.4	21847.04	5259.629
#3	438.4358	5323.106	106350.9	22028.73	5310.957

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCV Acquired: 11/13/2011 16:25:46 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV18 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.942413	4.933236	24.33418	5.068866	4.950263	149.5340
Stddev	.037894	.039083	.17490	.031470	.031061	.8767
%RSD	.7667127	.7922312	.7187537	.6208549	.6274539	.5863108
#1	4.960244	4.942888	24.36102	5.091222	4.975096	149.8512
#2	4.898892	4.890231	24.14741	5.032878	4.915436	150.2080
#3	4.968102	4.966588	24.49412	5.082497	4.960258	148.5428

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.794875	.4625398	2.394659	238.1681	14.92437	2.437101
Stddev	.041470	.0029395	.021584	.5300	.06616	.017094
%RSD	.4233867	.6355171	.9013489	.2225303	.4432919	.7013888
#1	9.793322	.4613985	2.391200	237.6620	14.84900	2.442449
#2	9.837100	.4658788	2.375012	238.7191	14.97282	2.417973
#3	9.754204	.4603421	2.417763	238.1232	14.95130	2.450881

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.98634	139.6036	14.11154	227.9121	2.422313	1.173140
Stddev	.10783	.2297	.02693	.4677	.016468	.001426
%RSD	.7195063	.1645570	.1908698	.2052079	.6798582	.1215505
#1	15.03140	139.3417	14.08874	227.4444	2.422817	1.171691
#2	15.06432	139.6981	14.14126	227.9121	2.405598	1.173187
#3	14.86329	139.7710	14.10462	228.3798	2.438523	1.174542

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	144.0597	2.396001	14.63447	146.9279	F-146.152	4.819961
Stddev	.7741	.010327	.05193	.3888	1.064	.016753
%RSD	.5373538	.4310248	.3548658	.2646431	.7278648	.3475751
#1	144.3407	2.397903	14.57749	147.1528	-146.534	4.809575
#2	144.6542	2.405245	14.67914	147.1520	-144.949	4.811020
#3	143.1844	2.384854	14.64677	146.4789	-146.971	4.839287

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCV Acquired: 11/13/2011 16:25:46 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV18 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.099949	239.4788	4.931083	5.073045	4.956664	F2940.492
Stddev	.034825	1.1555	.018581	.035348	.014957	16.677
%RSD	.6828499	.4825186	.3768224	.6967850	.3017530	.5671468
#1	5.109186	239.5071	4.924129	5.079619	4.963703	2944.667
#2	5.061437	238.3094	4.952138	5.034872	4.966802	2954.684
#3	5.129225	240.6199	4.916981	5.104645	4.939486	2922.124

Elem	Sr4077
Units	ppm
Avg	F430.7657
Stddev	1.5184
%RSD	.3524850
#1	430.4272
#2	429.4452
#3	432.4248

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	387.4230	4626.496	93511.00	20043.16	4421.917
Stddev	2.6610	27.814	291.61	139.98	25.299
%RSD	.6868487	.6011830	.3118466	.6983924	.5721300
#1	385.8000	4601.333	93596.88	19963.21	4400.700
#2	385.9750	4656.361	93186.09	19961.49	4449.916
#3	390.4940	4621.794	93750.03	20204.80	4415.134

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCB Acquired: 11/13/2011 16:29:03 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB18 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001551	.0028584	-.000183	-.000242	.0003505	.0062311
Stddev	.0013612	.0005586	.001134	.002514	.0007935	.0070284
%RSD	877.6753	19.54354	619.5427	1038.501	226.4207	112.7963
#1	.0017245	.0031692	-.001360	.001980	-.000389	.0142174
#2	-.000705	.0031926	.000903	.000263	.000251	.0034882
#3	-.000554	.0022135	-.000093	-.002970	.001189	.0009877

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001923	-.000142	.0000048	-.007377	.0002310	-.000001
Stddev	.000241	.000077	.0000203	.005999	.0019803	.000152
%RSD	12.52390	54.02821	423.8316	81.31391	857.3999	23741.18
#1	-.002078	-.000159	-.000002	-.009687	.0017786	-.000155
#2	-.002045	-.000210	-.000011	-.011877	.0009150	.000148
#3	-.001645	-.000058	.000028	-.000567	-.002001	.000005

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003981	.0189122	-.000013	.0102180	-.000145	-.000004
Stddev	.001195	.0174011	.000239	.0092742	.000298	.000097
%RSD	30.01194	92.00980	1829.744	90.76351	206.2169	2534.429
#1	-.004038	.0389917	.000217	.0187777	.000109	-.000062
#2	-.005146	.0095120	.000003	.0003650	-.000070	.000109
#3	-.002759	.0082329	-.000260	.0115113	-.000473	-.000058

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1539984	.0010265	-.000239	.1046901	.1435267	.0072565
Stddev	.0134167	.0008633	.000872	.0134626	.0581931	.0021657
%RSD	8.712241	84.10007	364.8202	12.85951	40.54513	29.84492
#1	.1694015	.0003695	-.001237	.0917328	.0778596	.0090881
#2	.1448590	.0007058	.000375	.1037307	.1887016	.0078154
#3	.1477349	.0020043	.000145	.1186068	.1640189	.0048662

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCB Acquired: 11/13/2011 16:29:03 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB18 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0050594	.0178921	-.002753	.0003588	-.002542	F .3217422
Stddev	.0011783	.1946012	.003638	.0002817	.000275	.2562315
%RSD	23.28947	1087.634	132.1773	78.51160	10.80847	79.63876
#1	.0062168	-.046930	.000672	.0003242	-.002814	.0260645
#2	.0051002	-.136025	-.002358	.0006562	-.002547	.4603273
#3	.0038612	.236631	-.006572	.0000960	-.002265	.4788346

Elem	Sr4077
Units	ppm
Avg	.0039928
Stddev	.0045786
%RSD	114.6719
#1	.0092756
#2	.0011714
#3	.0015313

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	436.1758	5455.589	108485.5	21232.46	5860.759
Stddev	1.3478	15.388	1304.6	111.21	13.089
%RSD	.3089994	.2820542	1.202522	.5237653	.2233259
#1	434.6523	5442.054	108020.6	21278.73	5849.879
#2	437.2126	5452.386	109958.8	21313.06	5857.114
#3	436.6627	5472.326	107477.1	21105.58	5875.284

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: PB59138BL Acquired: 11/13/2011 16:32:27 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: PBS01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001571	.0010486	.0004511	.0004207	.0005446	.0006335
Stddev	.001276	.0006394	.0007378	.0027125	.0010039	.0009859
%RSD	81.25150	60.98032	163.5607	644.7754	184.3217	155.6469
#1	-.000324	.0007033	.0003516	.0013815	.0016751	-.000226
#2	-.001515	.0017864	-.000232	-.002641	.0002015	.001710
#3	-.002875	.0006560	.001234	.002522	-.000243	.000417

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001866	-.000029	-.000016	-.004303	-.000085	.0000614
Stddev	.000093	.000083	.000029	.002969	.001148	.0000242
%RSD	4.995731	290.9138	180.5633	69.00131	1344.370	39.42111
#1	-.001921	.000037	-.000015	-.001689	-.000255	.0000535
#2	-.001758	-.000001	.000013	-.007531	.001138	.0000886
#3	-.001919	-.000122	-.000045	-.003690	-.001139	.0000422

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.004484	.0020331	-.000040	.0026805	-.000384	-.000081
Stddev	.000675	.0012869	.000115	.0129507	.000041	.000146
%RSD	15.04251	63.29760	286.1274	483.1457	10.64785	180.2525
#1	-.005220	.0023965	-.000010	.0088884	-.000338	-.000250
#2	-.003894	.0030991	.000057	-.012206	-.000415	-.000003
#3	-.004339	.0006035	-.000168	.011359	-.000400	.000009

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0957465	.0016108	-.000161	.0482504	.0641551	.0020610
Stddev	.0608042	.0017755	.001024	.0345489	.0235787	.0022739
%RSD	63.50539	110.2280	634.9103	71.60328	36.75265	110.3279
#1	.0840920	-.000278	-.001055	.0464692	.0909936	.0014486
#2	.1615343	.001865	.000957	.0146266	.0547009	.0001560
#3	.0416131	.003246	-.000386	.0836555	.0467706	.0045784

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: PB59138BL Acquired: 11/13/2011 16:32:27 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: PBS01 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012713	-.072982	.0027527	.0001737	-.003129	F.2941696
Stddev	.0002508	.235568	.0102300	.0003446	.000546	.2563183
%RSD	19.72805	322.7774	371.6383	198.4053	17.43564	87.13284
#1	.0014908	-.225087	.0144224	.0004653	-.002595	.5388602
#2	.0013252	-.192224	-.004669	-.000207	-.003686	.3160255
#3	.0009980	.198366	-.001495	.000262	-.003107	.0276231

Elem	Sr4077
Units	ppm
Avg	-.001631
Stddev	.001850
%RSD	113.3850
#1	-.003582
#2	.000098
#3	-.001410

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	431.9494	5396.845	107036.6	20945.86	5813.733
Stddev	3.7808	4.910	193.4	115.88	11.827
%RSD	.8752779	.0909743	.1806955	.5532488	.2034303
#1	428.6605	5393.525	107186.5	21023.36	5800.102
#2	431.1077	5402.484	107105.0	20812.64	5819.819
#3	436.0801	5394.524	106818.3	21001.57	5821.277

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: PB59138BS Acquired: 11/13/2011 16:35:52 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: LCS01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0195629	.0525814	.0198414	.0661834	.1132065	.3785087	.4024236
Stddev	.0016791	.0004198	.0004921	.0014684	.0007339	.0066663	.0004978
%RSD	8.582874	.7983903	2.480329	2.218622	.6482914	1.761190	.1236875
#1	.0177556	.0526321	.0194815	.0648559	.1131445	.3861098	.4027232
#2	.0198588	.0529736	.0196405	.0659336	.1139695	.3757602	.4026985
#3	.0210744	.0521386	.0204022	.0677606	.1125056	.3736562	.4018490

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0092640	.0096380	9.640980	.0197434	.0888376	.0465084	.1976833
Stddev	.0002135	.0000824	.024688	.0008693	.0001417	.0007108	.0022428
%RSD	2.304123	.8553120	.2560717	4.403237	.1594834	1.528360	1.134534
#1	.0093660	.0095864	9.618498	.0207057	.0888044	.0470309	.1974315
#2	.0094072	.0095945	9.667400	.0190147	.0887155	.0467952	.2000414
#3	.0090186	.0097331	9.637041	.0195098	.0889929	.0456989	.1955771

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0308772	8.741509	.0774863	.0190871	9.778161	.0928871	.1150168
Stddev	.0000851	.034978	.0004133	.0003668	.072413	.0009224	.0008003
%RSD	.2756292	.4001352	.5333967	1.921596	.7405535	.9930462	.6957734
#1	.0308475	8.705496	.0779598	.0192082	9.718345	.0921486	.1141612
#2	.0309732	8.775350	.0771984	.0186751	9.757471	.0939211	.1151422
#3	.0308109	8.743680	.0773005	.0193780	9.858666	.0925918	.1157469

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.576557	.1376112	.0024524	.0005474	.4868107	.0021412	-.000489
Stddev	.023907	.0351171	.0015340	.0001764	.0393071	.0050234	.000259
%RSD	.2496459	25.51906	62.54803	32.22157	8.074418	234.6058	53.03868
#1	9.569957	.1639333	.0015368	.0003688	.4956239	.0076766	-.000722
#2	9.603071	.0977374	.0042233	.0007215	.5209632	.0008750	-.000209
#3	9.556642	.1511629	.0015971	.0005520	.4438452	-.002128	-.000537

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: PB59138BS Acquired: 11/13/2011 16:35:52 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: LCS01 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002712	.4923942	.1974584
Stddev	.000632	.4462794	.0050271
%RSD	23.31566	90.63459	2.545883
#1	-.003079	-.018823	.1958801
#2	-.003075	.804203	.1934099
#3	-.001982	.691802	.2030852

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	426.1906	5292.676	104180.0	20778.61	5584.548
Stddev	2.9105	17.857	474.4	147.36	14.823
%RSD	.6829152	.3373912	.4553678	.7092100	.2654285
#1	423.0597	5277.576	103927.8	20788.00	5569.537
#2	426.6983	5288.066	104727.2	20626.78	5584.930
#3	428.8139	5312.386	103884.9	20921.06	5599.176

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-01 Acquired: 11/13/2011 16:39:15 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RH0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0943219	-.004746	1.083960	.0014020	.0226037	60.80007
Stddev	.0020032	.000789	.002012	.0010705	.0009939	.33446
%RSD	2.123833	16.61730	.1856599	76.35200	4.397292	.5500976
#1	.0933279	-.005656	1.081641	.0022406	.0222226	60.50593
#2	.0966278	-.004258	1.085249	.0001963	.0218567	61.16388
#3	.0930101	-.004324	1.084991	.0017692	.0237318	60.73040

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8401248	.0082397	.0323750	15.66297	.6196350	.0618374
Stddev	.0044009	.0003215	.0001210	.09064	.0052086	.0001440
%RSD	.5238336	3.901506	.3737834	.5786883	.8405922	.2328455
#1	.8435597	.0078700	.0322355	15.56076	.6136478	.0619990
#2	.8416506	.0083961	.0324512	15.69453	.6231233	.0617226
#3	.8351641	.0084531	.0324384	15.73360	.6221339	.0617907

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4614077	159.8618	2.598676	15.32219	.1673616	.0088749
Stddev	.0027776	.6817	.015861	.08936	.0006714	.0001636
%RSD	.6019861	.4264241	.6103357	.5832336	.4011415	1.843890
#1	.4596867	159.0747	2.581957	15.22004	.1681009	.0087308
#2	.4646121	160.2616	2.613509	15.36064	.1671939	.0090528
#3	.4599243	160.2491	2.600561	15.38590	.1667900	.0088412

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.295218	.4138626	2.621890	6.652269	F-789.201	.0378686
Stddev	.014050	.0007956	.011098	.031227	.757	.0024665
%RSD	1.084793	.1922339	.4232921	.4694221	.0959082	6.513240
#1	1.305505	.4129690	2.625480	6.683411	-789.995	.0355467
#2	1.279210	.4141247	2.630749	6.652440	-788.487	.0404579
#3	1.300940	.4144940	2.609441	6.620957	-789.120	.0376013

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-01 Acquired: 11/13/2011 16:39:15 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RH0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0052955	720.8512	2.902271	.0419407	4.122160	119.5517
Stddev	.0001776	.6197	.012065	.0006347	.004999	1.0699
%RSD	3.353762	.0859670	.4157148	1.513348	.1212736	.8949031
#1	.0052555	721.4828	2.891202	.0412081	4.117923	119.6402
#2	.0051413	720.2442	2.900480	.0423251	4.120883	120.5745
#3	.0054897	720.8267	2.915132	.0422889	4.127674	118.4403

Elem	Sr4077
Units	ppm
Avg	F23.56181
Stddev	.23064
%RSD	.9788603
#1	23.52498
#2	23.80864
#3	23.35180

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	438.1929	5317.027	106814.5	22062.11	5313.993
Stddev	4.3134	19.729	348.8	132.79	9.176
%RSD	.9843586	.3710606	.3265191	.6018701	.1726691
#1	434.4965	5298.147	106937.9	22125.62	5303.694
#2	437.1500	5337.508	106420.7	21909.50	5316.989
#3	442.9321	5315.427	107084.7	22151.22	5321.297

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-02 Acquired: 11/13/2011 16:42:30 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RH1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1312746	-.003156	2.632309	.0024637	.1582089	62.66663
Stddev	.0009706	.000707	.009583	.0047370	.0006045	5.65288
%RSD	.7393356	22.39927	.3640377	192.2697	.3820729	9.020555
#1	.1314620	-.003943	2.639304	.0010883	.1580957	59.24824
#2	.1302240	-.002952	2.636237	-.001433	.1588619	59.56013
#3	.1321378	-.002574	2.621387	.007736	.1576690	69.19153

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8129193	.0092332	.0283936	20.05459	.5130631	.0630726
Stddev	.0721211	.0008907	.0001187	1.87368	.0067076	.0012436
%RSD	8.871866	9.646256	.4180988	9.342891	1.307357	1.971703
#1	.7715203	.0088072	.0284191	18.94489	.5063502	.0640978
#2	.7710404	.0086356	.0284976	19.00100	.5130738	.0634309
#3	.8961971	.0102569	.0282643	22.21788	.5197653	.0616892

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5137719	152.4103	2.135724	17.95949	.1638697	.0106388
Stddev	.0470399	13.9198	.196575	1.72793	.0011429	.0008994
%RSD	9.155791	9.133108	9.204147	9.621276	.6974192	8.453645
#1	.4850415	144.0511	2.018509	16.94673	.1651778	.0099495
#2	.4882162	144.7008	2.025994	16.97709	.1633665	.0103109
#3	.5680579	168.4792	2.362668	19.95466	.1630648	.0116562

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.293783	.3614271	2.663972	7.614682	F-675.591	.0441079
Stddev	.020429	.0331083	.203381	.688814	1.040	.0056001
%RSD	1.578996	9.160431	7.634492	9.045870	.1539069	12.69634
#1	1.286482	.3411899	2.566444	7.197060	-676.402	.0430201
#2	1.316859	.3434566	2.527722	7.237268	-675.951	.0391316
#3	1.278007	.3996348	2.897749	8.409717	-674.419	.0501721

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-02 Acquired: 11/13/2011 16:42:30 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RH1 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0058349	853.5856	2.528899	.1320733	3.128176	132.1612
Stddev	.0003496	1.3021	.230231	.0014427	.284174	10.8830
%RSD	5.991813	.1525448	9.104005	1.092342	9.084346	8.234647
#1	.0057849	854.7960	2.394616	.1336817	2.958064	125.9010
#2	.0055131	853.7529	2.397338	.1316445	2.970228	125.8548
#3	.0062069	852.2080	2.794742	.1308935	3.456238	144.7278

Elem	Sr4077
Units	ppm
Avg	F32.10616
Stddev	2.83566
%RSD	8.832149
#1	30.43967
#2	30.49847
#3	35.38032

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	422.9761	5330.477	105991.4	21073.79	5319.765
Stddev	25.0240	25.324	258.8	1588.15	28.149
%RSD	5.916170	.4750879	.2441885	7.536150	.5291321
#1	433.2004	5302.524	105754.6	21933.50	5289.217
#2	441.2690	5337.018	105951.9	22046.75	5325.422
#3	394.4588	5351.890	106267.7	19241.11	5344.655

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-03 Acquired: 11/13/2011 16:45:46 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RH2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0853243	-.003891	.2673006	-.003980	.0051617	63.96050
Stddev	.0005459	.001373	.0018260	.002194	.0005494	.20778
%RSD	.6398233	35.28843	.6831089	55.11732	10.64322	.3248585
#1	.0859516	-.002599	.2654382	-.005871	.0054523	63.89836
#2	.0849566	-.005333	.2673760	-.001575	.0045280	64.19226
#3	.0850648	-.003740	.2690878	-.004495	.0055047	63.79088

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6143127	.0064033	.0126549	16.28394	.2382198	.0626924
Stddev	.0014156	.0001430	.0000124	.03416	.0016071	.0002223
%RSD	.2304380	2.233069	.0977717	.2097830	.6746079	.3545683
#1	.6148372	.0062701	.0126406	16.27275	.2372438	.0629484
#2	.6153911	.0065543	.0126624	16.32229	.2400746	.0625475
#3	.6127097	.0063854	.0126616	16.25678	.2373409	.0625814

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1322579	169.7599	5.392541	20.18073	.1158010	-.002141
Stddev	.0010841	.0174	.007165	.05419	.0004641	.000388
%RSD	.8196927	.0102281	.1328639	.2685368	.4007409	18.11021
#1	.1310608	169.7400	5.387932	20.12763	.1163263	-.002533
#2	.1325392	169.7679	5.400795	20.23595	.1154470	-.002133
#3	.1331736	169.7718	5.388894	20.17861	.1156296	-.001758

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.378413	.1817246	.8135805	8.290327	F-320.239	.0413793
Stddev	.063665	.0005599	.0047887	.062365	1.116	.0005151
%RSD	4.618730	.3081165	.5885940	.7522590	.3485925	1.244751
#1	1.370000	.1820433	.8150194	8.271137	-320.829	.0417229
#2	1.319372	.1810780	.8082374	8.360032	-320.937	.0416280
#3	1.445866	.1820523	.8174848	8.239813	-318.952	.0407871

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-03 Acquired: 11/13/2011 16:45:46 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RH2 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017613	576.8565	2.287719	.0145145	2.220639	160.3432
Stddev	.0001925	.7933	.008226	.0007082	.002995	.2712
%RSD	10.93251	.1375267	.3595845	4.879421	.1348875	.1691335
#1	.0019780	577.7460	2.280490	.0137112	2.222670	160.5473
#2	.0016100	576.6014	2.296670	.0147835	2.222047	160.4468
#3	.0016959	576.2221	2.285997	.0150488	2.217198	160.0355

Elem	Sr4077
Units	ppm
Avg	F25.65039
Stddev	.16135
%RSD	.6290187
#1	25.66348
#2	25.80479
#3	25.48289

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	440.4844	5344.791	106312.9	21829.63	5299.957
Stddev	1.8391	14.656	530.5	137.55	18.941
%RSD	.4175236	.2742086	.4990022	.6301070	.3573722
#1	438.7725	5334.623	105896.8	21711.06	5283.120
#2	440.2520	5338.160	106131.6	21797.39	5296.286
#3	442.4286	5361.591	106910.3	21980.43	5320.464

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-04 Acquired: 11/13/2011 16:49:04 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RE9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0164589	-.003816	.2182335	.0001287	.0021340	12.56673
Stddev	.0017823	.000579	.0010022	.0013445	.0013735	.04268
%RSD	10.82887	15.18387	.4592451	1045.036	64.36100	.3396158
#1	.0164579	-.003900	.2178993	-.001313	.0020165	12.59291
#2	.0146771	-.003198	.2174411	.001348	.0008231	12.58980
#3	.0182418	-.004348	.2193601	.000351	.0035625	12.51748

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0803275	.0011293	.0019798	44.67129	.0575354	.0071093
Stddev	.0002574	.0001155	.0000216	.16442	.0017728	.0001784
%RSD	.3204509	10.22642	1.090881	.3680571	3.081207	2.509940
#1	.0804569	.0011974	.0020027	44.50703	.0563339	.0073059
#2	.0804946	.0011945	.0019767	44.83586	.0595714	.0070645
#3	.0800311	.0009959	.0019599	44.67097	.0567009	.0069576

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0684615	28.72774	.4266293	22.42458	.0102046	-.000401
Stddev	.0009101	.11690	.0012969	.11519	.0001388	.000206
%RSD	1.329422	.4069192	.3039963	.5136601	1.360318	51.44646
#1	.0674160	28.66078	.4260217	22.31210	.0100466	-.000408
#2	.0688920	28.86272	.4281185	22.54230	.0102601	-.000604
#3	.0690766	28.65972	.4257476	22.41935	.0103070	-.000191

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5392625	.0896671	.1624493	2.508566	F-64.8415	.0192691
Stddev	.0160465	.0013531	.0035317	.033321	.0894	.0022272
%RSD	2.975640	1.509008	2.174051	1.328280	.1378556	11.55824
#1	.5473736	.0900889	.1597885	2.470194	-64.9040	.0204503
#2	.5207796	.0907591	.1664561	2.530194	-64.8815	.0167001
#3	.5496344	.0881534	.1611033	2.525310	-64.7391	.0206568

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-04 Acquired: 11/13/2011 16:49:04 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RE9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008283	66.87702	2.527342	-.000038	.3815292	14.24553
Stddev	.0001971	.28100	.008993	.001160	.0019250	.22001
%RSD	23.80288	.4201751	.3558370	3065.613	.5045478	1.544402
#1	.0007890	66.95317	2.531957	.001192	.3833176	14.46213
#2	.0006537	67.11210	2.533091	-.000192	.3817781	14.02226
#3	.0010421	66.56580	2.516979	-.001113	.3794918	14.25220

Elem	Sr4077
Units	ppm
Avg	F 11.20883
Stddev	.06686
%RSD	.5964590
#1	11.25997
#2	11.23335
#3	11.13318

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	425.9517	5191.024	103754.1	21169.63	5433.471
Stddev	3.5724	25.883	290.5	88.18	12.459
%RSD	.8386859	.4986149	.2799591	.4165371	.2292957
#1	421.9342	5163.807	104003.8	21135.43	5421.277
#2	427.1498	5193.938	103823.0	21103.68	5432.956
#3	428.7709	5215.327	103435.3	21269.79	5446.179

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-05 Acquired: 11/13/2011 16:52:25 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RF0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5054344	-.002643	.0573176	.0016123	.0063592	21.84237	.0680754
Stddev	.0014722	.001930	.0019863	.0015880	.0008812	.06503	.0003398
%RSD	.2912712	73.01740	3.465341	98.48676	13.85666	.2977062	.4992115
#1	.5068272	-.002708	.0592951	-.000218	.0053652	21.90050	.0682329
#2	.5038940	-.000681	.0573348	.002429	.0070444	21.85445	.0683080
#3	.5055821	-.004539	.0553228	.002626	.0066681	21.77215	.0676854

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0040299	.0113434	5.426494	.2573433	.0016804	.0415334	211.8965
Stddev	.0001985	.0000712	.021380	.0016756	.0001752	.0005070	.6391
%RSD	4.924399	.6279996	.3939913	.6510974	10.42825	1.220687	.3016173
#1	.0038181	.0114104	5.402822	.2585961	.0018175	.0413585	211.2207
#2	.0042115	.0113513	5.444400	.2554400	.0017409	.0421046	212.4911
#3	.0040600	.0112686	5.432258	.2579937	.0014830	.0411369	211.9777

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.501847	2.095649	.0097310	-.002960	.8708662	.4555694	.1747552
Stddev	.002740	.032097	.0005460	.000187	.0778373	.0022492	.0018521
%RSD	.1824096	1.531596	5.610655	6.326207	8.937916	.4937065	1.059846
#1	1.498782	2.074894	.0103556	-.003129	.8780022	.4548697	.1768866
#2	1.504057	2.132618	.0093449	-.002758	.9448898	.4580852	.1738428
#3	1.502702	2.079434	.0094924	-.002992	.7897066	.4537532	.1735363

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.153734	F-47.2528	.0322767	.0198180	79.55329	3.267701	.0011757
Stddev	.043429	.1176	.0018537	.0004094	.42462	.002766	.0004520
%RSD	1.045541	.2489501	5.743294	2.065544	.5337535	.0846482	38.44529
#1	4.182032	-47.3006	.0317489	.0202817	79.88689	3.270105	.0008418
#2	4.175439	-47.1188	.0343371	.0195070	79.69767	3.268320	.0009954
#3	4.103731	-47.3390	.0307440	.0196651	79.07530	3.264678	.0016901

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-05 Acquired: 11/13/2011 16:52:25 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RF0 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.6008311	11.97680	6.596504
Stddev	.0002901	.15036	.013910
%RSD	.0482890	1.255463	.2108708
#1	.6005771	12.13668	6.610120
#2	.6007688	11.95549	6.597076
#3	.6011473	11.83823	6.582317

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	430.1403	5264.305	104935.5	21220.06	5488.947
Stddev	4.1024	16.031	275.0	106.55	12.057
%RSD	.9537251	.3045168	.2620318	.5021302	.2196641
#1	430.0230	5246.360	104645.3	21187.07	5477.326
#2	426.0978	5269.346	104969.1	21133.91	5488.118
#3	434.3000	5277.210	105192.2	21339.21	5501.398

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-06 Acquired: 11/13/2011 16:55:47 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RF1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1177639	-.002437	.0170083	-.000437	.0020055	6.831575	.0299392
Stddev	.0018566	.000725	.0017343	.002873	.0007672	.093250	.0002691
%RSD	1.576572	29.75651	10.19702	657.4332	38.25274	1.364978	.8989676
#1	.1169516	-.003232	.0188771	.002831	.0020379	6.724309	.0296792
#2	.1198882	-.002271	.0154505	-.001579	.0027560	6.893330	.0299219
#3	.1164518	-.001810	.0166974	-.002563	.0012227	6.877088	.0302167

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011373	.0031685	1.889455	.0581586	.0015944	.0056675	62.28668
Stddev	.0001088	.0000571	.032803	.0011976	.0001320	.0008826	.95353
%RSD	9.564724	1.802156	1.736094	2.059251	8.278313	15.57346	1.530877
#1	.0010145	.0031528	1.855133	.0568120	.0016831	.0050351	61.19950
#2	.0011761	.0031209	1.892740	.0591045	.0014427	.0052915	62.67943
#3	.0012214	.0032318	1.920492	.0585593	.0016573	.0066758	62.98111

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3022618	.7518237	.0038965	-.001085	.7430825	.1593054	.0926380
Stddev	.0045872	.0121008	.0001142	.000454	.0607407	.0022676	.0034436
%RSD	1.517630	1.609527	2.931481	41.88255	8.174154	1.423421	3.717311
#1	.2970261	.7618875	.0037696	-.001598	.7947551	.1566875	.0886638
#2	.3041842	.7383972	.0039286	-.000734	.7583181	.1605735	.0947400
#3	.3055750	.7551864	.0039912	-.000923	.6761744	.1606553	.0945101

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.803362	F-19.5051	.0153648	.0023536	53.75350	2.468837	-.001094
Stddev	.053476	.0879	.0012626	.0000464	.27005	.032118	.000336
%RSD	2.965352	.4507331	8.217191	1.971569	.5023915	1.300953	30.71380
#1	1.768803	-19.5808	.0140053	.0023470	53.54438	2.431870	-.001007
#2	1.776326	-19.4087	.0155890	.0024029	54.05839	2.484728	-.001464
#3	1.864958	-19.5259	.0165004	.0023108	53.65775	2.489911	-.000809

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-06 Acquired: 11/13/2011 16:55:47 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RF1 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2481582	2.599022	2.499358
Stddev	.0037465	.485703	.013927
%RSD	1.509705	18.68792	.5572246
#1	.2438321	2.392822	2.490221
#2	.2503312	3.153806	2.492466
#3	.2503112	2.250437	2.515387

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	432.2606	5311.993	105757.6	21255.00	5681.914
Stddev	3.9068	16.373	334.1	106.18	13.211
%RSD	.9038052	.3082231	.3159239	.4995409	.2325110
#1	434.4835	5293.473	105509.2	21347.42	5666.781
#2	427.7496	5317.964	105626.3	21278.56	5691.147
#3	434.5487	5324.542	106137.5	21139.02	5687.814

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-07 Acquired: 11/13/2011 16:59:09 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RF2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0033968	-.003042	.0412787	.0013335	.0001075	2.236732	.0408273
Stddev	.0002504	.000790	.0005034	.0012892	.0003689	.012818	.0006823
%RSD	7.372834	25.98023	1.219582	96.67638	343.2369	.5730846	1.671137
#1	.0033376	-.002177	.0418592	-.000145	.0005308	2.239946	.0414025
#2	.0031813	-.003727	.0409628	.002224	-.000145	2.247638	.0410059
#3	.0036715	-.003222	.0410139	.001922	-.000063	2.222613	.0400735

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003198	.0004825	.8914870	.0182690	.0023290	.0065465	7.337096
Stddev	.0000413	.0000191	.0042187	.0004918	.0000926	.0012902	.013489
%RSD	12.91949	3.965764	.4732227	2.692256	3.973903	19.70810	.1838506
#1	.0002842	.0005027	.8963415	.0177010	.0022509	.0064931	7.344551
#2	.0003651	.0004646	.8894103	.0185487	.0023047	.0078625	7.345212
#3	.0003100	.0004802	.8887092	.0185571	.0024312	.0052838	7.321524

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1505314	.5236468	.0065597	.0000682	.3915115	.0236435	.1104314
Stddev	.0006483	.0087591	.0002165	.0002248	.0493195	.0009889	.0023007
%RSD	.4306554	1.672713	3.299878	329.6318	12.59721	4.182434	2.083341
#1	.1504675	.5298026	.0064092	-.000151	.3967719	.0225408	.1130680
#2	.1512092	.5275188	.0064620	.000058	.3397726	.0244516	.1088318
#3	.1499174	.5136190	.0068077	.000298	.4379900	.0239380	.1093943

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3513988	F-19.6103	.0025779	.0004824	9.069728	1.205041	-.001019
Stddev	.0134852	.2185	.0023511	.0000891	.127906	.010862	.000330
%RSD	3.837571	1.114355	91.20252	18.47209	1.410249	.9013861	32.40913
#1	.3492368	-19.7814	.0025063	.0004206	9.131266	1.214775	-.001399
#2	.3658343	-19.6854	.0049639	.0005845	8.922684	1.207023	-.000853
#3	.3391252	-19.3641	.0002634	.0004420	9.155233	1.193324	-.000804

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-07 Acquired: 11/13/2011 16:59:09 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RF2 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.1195505	3.155097	7.760903
Stddev	.0005808	.355881	.110984
%RSD	.4858142	11.27957	1.430044
#1	.1188832	3.364054	7.859944
#2	.1198263	2.744181	7.781814
#3	.1199420	3.357057	7.640950

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	433.1393	5387.565	108371.6	21180.91	5816.400
Stddev	8.7075	16.862	282.4	215.91	11.821
%RSD	2.010318	.3129726	.2606078	1.019343	.2032281
#1	425.9898	5371.800	108587.9	20997.25	5802.827
#2	430.5917	5385.553	108052.1	21126.74	5821.936
#3	442.8364	5405.342	108474.8	21418.74	5824.437

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-08 Acquired: 11/13/2011 17:02:32 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RF3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0089560	-.002732	.0343675	.0020987	.0005602	3.517696	.0401832
Stddev	.0015435	.000775	.0014640	.0011141	.0001088	.017750	.0005677
%RSD	17.23428	28.36816	4.259755	53.08686	19.41848	.5045876	1.412827
#1	.0094219	-.003594	.0331402	.0029055	.0006753	3.532903	.0406301
#2	.0072332	-.002091	.0339743	.0025630	.0004591	3.498192	.0395444
#3	.0102129	-.002512	.0359879	.0008275	.0005462	3.521994	.0403751

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003284	.0007008	1.440666	.0221224	.0025794	.0112430	9.825575
Stddev	.0000693	.0000427	.008515	.0007871	.0000917	.0007662	.045039
%RSD	21.09878	6.085945	.5910119	3.558129	3.555842	6.814841	.4583894
#1	.0003490	.0007369	1.440804	.0216596	.0025218	.0114111	9.846818
#2	.0002512	.0006537	1.432084	.0216764	.0026852	.0104067	9.773842
#3	.0003851	.0007119	1.449111	.0230313	.0025313	.0119113	9.856063

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1511422	1.058548	.0094841	-.000295	.3861204	.0247695	.1156628
Stddev	.0006929	.021374	.0002632	.000246	.0201178	.0012975	.0010388
%RSD	.4584366	2.019217	2.774613	83.41129	5.210242	5.238278	.8981067
#1	.1511025	1.034705	.0094052	-.000552	.3630269	.0232713	.1148584
#2	.1504700	1.064947	.0097777	-.000272	.3954890	.0255209	.1152944
#3	.1518541	1.075991	.0092694	-.000061	.3998453	.0255164	.1168356

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5960434	F-20.1866	.0032734	.0005193	16.48775	1.387594	.0000758
Stddev	.0116532	.0910	.0021629	.0001520	.16254	.015763	.0007036
%RSD	1.955086	.4506815	66.07640	29.26964	.9858082	1.136004	928.4792
#1	.5847860	-20.2840	.0048002	.0006613	16.55367	1.388924	.0007922
#2	.6080556	-20.1720	.0042216	.0003589	16.30261	1.371207	.0000494
#3	.5952885	-20.1038	.0007983	.0005378	16.60698	1.402649	-.000614

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-08 Acquired: 11/13/2011 17:02:32 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RF3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2017950	6.619763	4.700922
Stddev	.0001488	.775327	.061202
%RSD	.0737140	11.71231	1.301918
#1	.2016889	7.494565	4.748397
#2	.2017310	6.347211	4.631849
#3	.2019650	6.017515	4.722520

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	428.8309	5344.157	107176.2	21178.74	5785.208
Stddev	3.3451	20.542	142.1	82.99	10.422
%RSD	.7800405	.3843827	.1326078	.3918567	.1801473
#1	425.4048	5321.718	107015.0	21083.17	5774.137
#2	428.9994	5348.720	107283.5	21232.66	5794.829
#3	432.0886	5362.034	107230.1	21220.38	5786.657

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-09 Acquired: 11/13/2011 17:05:54 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RF4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0191825	-.004012	5.559922	.0037626	.0029302	17.51142
Stddev	.0018872	.001283	.008295	.0015819	.0012516	.08960
%RSD	9.838058	31.97159	.1491888	42.04422	42.71535	.5116460
#1	.0198458	-.003631	5.566809	.0055618	.0039723	17.47070
#2	.0206485	-.005443	5.550714	.0031362	.0015419	17.44942
#3	.0170532	-.002964	5.562244	.0025897	.0032764	17.61415

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.362810	.0017797	.0054821	14.95923	.0895103	.0137444
Stddev	.007987	.0000263	.0000767	.08883	.0020336	.0001560
%RSD	.3380485	1.479556	1.398700	.5938143	2.271925	1.135324
#1	2.369169	.0017939	.0055511	15.01213	.0882341	.0136541
#2	2.353845	.0017958	.0054956	14.85668	.0884414	.0139246
#3	2.365416	.0017493	.0053995	15.00889	.0918555	.0136545

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1419014	31.85104	.3313213	4.867673	.0430581	-.000132
Stddev	.0000837	.13513	.0018161	.030277	.0001658	.000165
%RSD	.0589631	.4242691	.5481447	.6219991	.3851403	125.3172
#1	.1419126	31.92638	.3316539	4.845314	.0430262	.000028
#2	.1419788	31.69503	.3293619	4.855578	.0429105	-.000302
#3	.1418127	31.93170	.3329482	4.902128	.0432375	-.000121

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6459557	.0786757	.5245050	2.161950	F-386.004	.0114172
Stddev	.0725070	.0004305	.0018252	.026244	1.260	.0009586
%RSD	11.22476	.5472174	.3479800	1.213904	.3263353	8.396317
#1	.6996992	.0788034	.5263770	2.170154	-387.405	.0117894
#2	.5634873	.0781958	.5244074	2.132583	-384.963	.0121339
#3	.6746807	.0790279	.5227306	2.183111	-385.645	.0103283

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-09 Acquired: 11/13/2011 17:05:54 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RF4 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009055	200.3950	1.850089	.0157227	.6538283	47.49879
Stddev	.0002163	.3115	.004607	.0004528	.0034242	.33427
%RSD	23.88901	.1554511	.2489913	2.879891	.5237126	.7037437
#1	.0011553	200.6940	1.853959	.0152475	.6536366	47.55811
#2	.0007785	200.0724	1.844994	.0161492	.6505040	47.79943
#3	.0007827	200.4187	1.851315	.0157715	.6573443	47.13883

Elem	Sr4077
Units	ppm
Avg	F 12.34098
Stddev	.03253
%RSD	.2636115
#1	12.34077
#2	12.30855
#3	12.37361

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	432.2237	5353.911	106870.9	21459.60	5622.064
Stddev	4.8111	19.298	287.7	146.58	23.477
%RSD	1.113104	.3604416	.2692226	.6830464	.4175881
#1	427.2187	5334.962	106658.1	21314.35	5595.613
#2	432.6385	5353.231	107198.3	21607.47	5630.144
#3	436.8140	5373.539	106756.3	21456.98	5640.433

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-10 Acquired: 11/13/2011 17:09:12 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RF5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1763956	-.005127	.8038417	.0017861	.0078283	70.46421
Stddev	.0010045	.001126	.0021523	.0014994	.0009620	.30188
%RSD	.5694507	21.96723	.2677520	83.94860	12.28838	.4284206
#1	.1758784	-.003870	.8013575	.0027872	.0069950	70.13717
#2	.1757550	-.006043	.8050196	.0000622	.0088810	70.52325
#3	.1775533	-.005469	.8051479	.0025088	.0076089	70.73221

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8699759	.0082271	.0157098	18.38332	.4664642	.1088033
Stddev	.0024339	.0001959	.0001441	.14407	.0016702	.0006164
%RSD	.2797709	2.380950	.9175010	.7836965	.3580507	.5665417
#1	.8671855	.0080155	.0155515	18.21926	.4682842	.1084999
#2	.8710805	.0082637	.0157447	18.44145	.4661067	.1083975
#3	.8716616	.0084021	.0158333	18.48924	.4650017	.1095126

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3939283	166.8124	5.439517	20.59673	.1767730	-.000322
Stddev	.0033840	.7754	.030412	.10311	.0009992	.000189
%RSD	.8590454	.4648156	.5590960	.5006112	.5652312	58.77565
#1	.3901318	165.9749	5.404678	20.50471	.1770502	-.000532
#2	.3950260	166.9570	5.453122	20.57732	.1756645	-.000269
#3	.3966273	167.5053	5.460752	20.70817	.1776044	-.000165

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.429578	.1955237	2.413858	8.462198	F-359.230	.0349409
Stddev	.028585	.0004373	.007291	.056741	.887	.0006085
%RSD	1.999574	.2236796	.3020497	.6705267	.2469750	1.741595
#1	1.404036	.1953028	2.416523	8.398883	-360.005	.0343791
#2	1.460455	.1952409	2.419441	8.508449	-358.262	.0348564
#3	1.424244	.1960274	2.405609	8.479263	-359.423	.0355873

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-10 Acquired: 11/13/2011 17:09:12 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RF5 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0026617	935.2328	2.170228	.0876146	2.085787	170.1471
Stddev	.0001531	1.3714	.009793	.0016489	.005914	1.4364
%RSD	5.751379	.1466331	.4512498	1.881980	.2835586	.8442082
#1	.0024941	935.0166	2.164214	.0858183	2.079627	168.7685
#2	.0026971	933.9824	2.164941	.0890594	2.086314	171.6351
#3	.0027941	936.6994	2.181528	.0879662	2.091420	170.0377

Elem	Sr4077
Units	ppm
Avg	F24.21557
Stddev	.15571
%RSD	.6430066
#1	24.06604
#2	24.20385
#3	24.37680

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	444.8122	5447.078	108476.6	22340.97	5299.998
Stddev	3.8966	28.677	179.6	92.49	14.696
%RSD	.8760199	.5264658	.1655618	.4139788	.2772862
#1	442.3978	5413.967	108271.2	22444.47	5283.098
#2	442.7312	5463.278	108603.6	22312.04	5307.124
#3	449.3075	5463.988	108555.1	22266.41	5309.774

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-11 Acquired: 11/13/2011 17:12:27 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RF6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1800408	-.004058	.7332021	.0013926	.0070743	72.02310
Stddev	.0019214	.001553	.0058548	.0013658	.0017572	.17380
%RSD	1.067217	38.27868	.7985212	98.07260	24.83872	.2413088
#1	.1802495	-.002507	.7290967	.0018087	.0063442	72.19209
#2	.1818494	-.004054	.7399064	-.000133	.0057999	72.03234
#3	.1780236	-.005614	.7306032	.002502	.0090788	71.84487

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7985249	.0079205	.0152312	15.03325	.5537193	.0931225
Stddev	.0034339	.0000991	.0001019	.04559	.0044944	.0004187
%RSD	.4300311	1.251457	.6689240	.3032503	.8116708	.4496273
#1	.8011234	.0079020	.0153351	15.04621	.5531842	.0927632
#2	.7998193	.0078319	.0151315	15.07095	.5495165	.0935823
#3	.7946319	.0080275	.0152270	14.98258	.5584573	.0930221

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3674050	160.3488	4.029728	20.51501	.1520549	-.000627
Stddev	.0011679	.8406	.015820	.13029	.0003457	.000165
%RSD	.3178791	.5242539	.3925763	.6350853	.2273588	26.33205
#1	.3683336	161.0314	4.043904	20.61983	.1517578	-.000680
#2	.3660937	160.6051	4.032618	20.55606	.1524344	-.000442
#3	.3677876	159.4098	4.012663	20.36914	.1519724	-.000758

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.221780	.1924959	2.266103	8.419420	F-357.564	.0389647
Stddev	.089925	.0013598	.009699	.048822	.336	.0022507
%RSD	4.047411	.7063813	.4279824	.5798680	.0940895	5.776141
#1	2.133272	.1934941	2.266457	8.468900	-357.631	.0410049
#2	2.313057	.1909472	2.275619	8.371284	-357.863	.0365504
#3	2.219010	.1930463	2.256232	8.418078	-357.200	.0393389

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-11 Acquired: 11/13/2011 17:12:27 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RF6 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019883	757.9221	2.247986	.0711006	2.180635	161.6477
Stddev	.0001646	1.6012	.015801	.0004982	.010089	.2776
%RSD	8.279705	.2112604	.7029022	.7007182	.4626705	.1717542
#1	.0021670	757.2099	2.263032	.0707667	2.186778	161.3273
#2	.0018427	759.7558	2.249401	.0716732	2.186136	161.8182
#3	.0019554	756.8006	2.231525	.0708618	2.168991	161.7975

Elem	Sr4077
Units	ppm
Avg	F21.80788
Stddev	.08621
%RSD	.3953129
#1	21.80252
#2	21.89664
#3	21.72448

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	445.2536	5401.646	108234.8	22196.64	5283.505
Stddev	5.1938	11.973	336.6	154.05	15.637
%RSD	1.166474	.2216634	.3109925	.6940110	.2959554
#1	443.8435	5394.462	107846.1	22100.26	5280.824
#2	440.9105	5395.007	108429.5	22115.35	5269.383
#3	451.0068	5415.468	108428.6	22374.30	5300.310

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-12 Acquired: 11/13/2011 17:15:42 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RF7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0140387	-.002413	.0368335	.0008933	.0006948	12.36474	.1010817
Stddev	.0012390	.000729	.0012484	.0006644	.0003319	.06856	.0002966
%RSD	8.825532	30.22981	3.389325	74.37588	47.77808	.5545115	.2934668
#1	.0135809	-.002580	.0382390	.0014723	.0003206	12.29523	.1008332
#2	.0130937	-.003045	.0358534	.0010397	.0009539	12.43232	.1014101
#3	.0154414	-.001615	.0364082	.0001679	.0008098	12.36668	.1010017

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014811	.0019892	3.942564	.0525893	.0130963	.0220978	34.51504
Stddev	.0001308	.0000450	.025944	.0003520	.0000255	.0003770	.02455
%RSD	8.834045	2.263444	.6580422	.6693373	.1944542	1.705908	.0711224
#1	.0016073	.0020397	3.912904	.0529956	.0131080	.0218363	34.49549
#2	.0013461	.0019531	3.961037	.0523774	.0131138	.0225299	34.54259
#3	.0014900	.0019750	3.953752	.0523949	.0130671	.0219271	34.50705

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5174123	3.873945	.0237369	-.000621	2.192762	.0607343	.1526707
Stddev	.0029061	.011948	.0003422	.000118	.062141	.0009957	.0013302
%RSD	.5616641	.3084175	1.441765	19.07583	2.833922	1.639467	.8713049
#1	.5140610	3.886918	.0238238	-.000609	2.264332	.0601722	.1522440
#2	.5192362	3.871523	.0240273	-.000509	2.152524	.0601467	.1541619
#3	.5189399	3.863393	.0233596	-.000745	2.161431	.0618839	.1516062

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.151635	F-89.2714	.0129646	.0004119	111.1101	2.348851	-.001219
Stddev	.007495	.0304	.0034606	.0001884	.9966	.005431	.000263
%RSD	.3483444	.0340077	26.69230	45.74307	.8969669	.2312000	21.58458
#1	2.143327	-89.2529	.0122353	.0002878	111.3927	2.345193	-.001173
#2	2.157889	-89.3064	.0099269	.0006287	110.0027	2.346270	-.001502
#3	2.153688	-89.2548	.0167318	.0003192	111.9349	2.355091	-.000982

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-12 Acquired: 11/13/2011 17:15:42 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RF7 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.6021527	25.66549	4.899234
Stddev	.0004987	.44130	.040906
%RSD	.0828274	1.719420	.8349543
#1	.6024464	25.86903	4.852009
#2	.6024348	25.96827	4.922054
#3	.6015768	25.15915	4.923640

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	434.8551	5373.956	106311.7	21270.46	5690.593
Stddev	1.5705	17.186	189.9	32.42	22.743
%RSD	.3611484	.3197956	.1785827	.1523952	.3996525
#1	434.1607	5354.149	106174.6	21250.47	5665.192
#2	433.7515	5382.802	106528.4	21253.05	5709.064
#3	436.6531	5384.916	106232.2	21307.86	5697.524

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-13 Acquired: 11/13/2011 17:19:02 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RF8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0263975	-.005816	.0910388	-.003096	.0044694	94.25093
Stddev	.0017409	.001135	.0023334	.001253	.0003634	.32153
%RSD	6.595031	19.51709	2.563073	40.47034	8.130536	.3411463
#1	.0246743	-.005199	.0890504	-.001807	.0045861	93.91936
#2	.0263628	-.007126	.0936076	-.003171	.0040620	94.27204
#3	.0281556	-.005123	.0904584	-.004310	.0047601	94.56139

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7752545	.0074591	.0108781	15.08601	.2561732	.0683533
Stddev	.0019177	.0002583	.0001319	.08609	.0023749	.0004599
%RSD	.2473655	3.463356	1.212626	.5706835	.9270580	.6728370
#1	.7737068	.0077140	.0109798	14.99136	.2586794	.0681101
#2	.7746568	.0074658	.0107290	15.10701	.2558841	.0688837
#3	.7773999	.0071974	.0109254	15.15966	.2539562	.0680660

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0527206	186.8800	2.644525	31.24648	.1365164	-.004034
Stddev	.0006483	.6097	.011133	.07225	.0001519	.000541
%RSD	1.229635	.3262283	.4209704	.2312176	.1112838	13.41529
#1	.0522042	186.3275	2.632293	31.16818	.1366843	-.004655
#2	.0534481	186.7783	2.647218	31.26070	.1364766	-.003779
#3	.0525095	187.5341	2.654064	31.31056	.1363883	-.003667

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.794841	.2362119	.4586401	10.68532	F-335.486	.0373975
Stddev	.045589	.0011101	.0050586	.06842	.665	.0041090
%RSD	2.540013	.4699513	1.102965	.6403579	.1981802	10.98723
#1	1.753800	.2351831	.4617927	10.72997	-336.176	.0330901
#2	1.843912	.2360642	.4528052	10.60655	-334.849	.0412741
#3	1.786810	.2373885	.4613225	10.71945	-335.432	.0378283

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-13 Acquired: 11/13/2011 17:19:02 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RF8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000397	243.4734	2.108221	-.007688	3.994858	199.3985
Stddev	.000153	.2899	.008871	.000671	.008947	.7991
%RSD	38.67583	.1190506	.4207843	8.733571	.2239712	.4007796
#1	-.000480	243.8081	2.098843	-.008463	3.987242	199.4900
#2	-.000490	243.3067	2.109341	-.007299	3.992619	198.5575
#3	-.000220	243.3054	2.116479	-.007302	4.004712	200.1479

Elem	Sr4077
Units	ppm
Avg	F20.04645
Stddev	.07610
%RSD	.3796303
#1	19.99876
#2	20.00637
#3	20.13421

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	446.5546	5419.287	105913.7	22190.25	5241.647
Stddev	4.3061	24.877	1769.8	20.43	19.204
%RSD	.9642896	.4590492	1.670949	.0920520	.3663814
#1	441.8233	5390.649	103876.9	22183.26	5220.392
#2	450.2444	5435.548	107076.1	22213.26	5246.797
#3	447.5960	5431.663	106788.0	22174.24	5257.751

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-14 Acquired: 11/13/2011 17:22:20 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RF9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0318084	-.003665	.0667748	-.001781	.0031777	70.78411
Stddev	.0014646	.000632	.0009790	.002408	.0017979	.15623
%RSD	4.604453	17.24342	1.466147	135.2046	56.57979	.2207064
#1	.0301247	-.004323	.0657094	-.002852	.0020916	70.62302
#2	.0327880	-.003063	.0669802	.000977	.0052530	70.93496
#3	.0325125	-.003610	.0676348	-.003469	.0021884	70.79434

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5675641	.0061379	.0076721	10.73508	.1948756	.0524902
Stddev	.0020341	.0000892	.0000128	.01263	.0007810	.0002587
%RSD	.3583939	1.452840	.1672554	.1176810	.4007715	.4927655
#1	.5664310	.0060351	.0076710	10.72471	.1942868	.0522248
#2	.5699124	.0061854	.0076598	10.74915	.1957616	.0527416
#3	.5663489	.0061933	.0076854	10.73137	.1945783	.0525041

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0446496	128.7315	1.837658	23.21496	.1225277	-.002546
Stddev	.0004611	.0349	.003966	.09667	.0004511	.000152
%RSD	1.032746	.0271223	.2158343	.4164224	.3681889	5.979836
#1	.0447028	128.7715	1.838360	23.21265	.1230394	-.002554
#2	.0450818	128.7070	1.841226	23.31277	.1223568	-.002694
#3	.0441641	128.7160	1.833387	23.11947	.1221871	-.002390

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.388967	.1746687	.3813321	8.107317	F-190.951	.0358704
Stddev	.104720	.0008396	.0063349	.033022	.949	.0030039
%RSD	7.539429	.4806710	1.661242	.4073094	.4970789	8.374272
#1	1.486636	.1737798	.3741444	8.106376	-192.004	.0364211
#2	1.401873	.1747780	.3837499	8.074776	-190.687	.0326292
#3	1.278392	.1754482	.3861019	8.140799	-190.162	.0385607

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-14 Acquired: 11/13/2011 17:22:20 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RF9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000006	276.7944	2.189804	-.006935	2.940886	166.7644
Stddev	.000142	.5135	.007130	.000642	.003702	1.1188
%RSD	2187.512	.1855230	.3255922	9.259659	.1258795	.6708972
#1	.000031	276.2968	2.197804	-.007480	2.938002	165.5418
#2	-.000163	276.7639	2.184120	-.007098	2.945061	167.7373
#3	.000113	277.3225	2.187487	-.006227	2.939596	167.0141

Elem	Sr4077
Units	ppm
Avg	F 14.77456
Stddev	.12693
%RSD	.8591330
#1	14.63426
#2	14.88144
#3	14.80798

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	445.5013	5415.417	107923.8	22260.60	5334.866
Stddev	2.7241	38.399	128.8	60.88	20.708
%RSD	.6114697	.7090626	.1193363	.2734737	.3881697
#1	447.9727	5379.770	107783.6	22194.40	5315.682
#2	445.9507	5410.406	108037.0	22273.21	5332.096
#3	442.5804	5456.076	107950.7	22314.18	5356.819

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-15 Acquired: 11/13/2011 17:25:41 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RG0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0299716	-.005567	.0687610	-.002100	.0031557	68.80928
Stddev	.0003914	.000787	.0011402	.003088	.0007510	.20324
%RSD	1.305942	14.13837	1.658249	147.0536	23.79926	.2953633
#1	.0301699	-.005890	.0700244	-.004840	.0037057	68.60291
#2	.0302243	-.004670	.0684500	.001246	.0023000	69.00923
#3	.0295208	-.006141	.0678085	-.002706	.0034613	68.81570

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6295739	.0056856	.0084561	12.13226	.1960626	.0421224
Stddev	.0013528	.0000599	.0001058	.04665	.0036317	.0001493
%RSD	.2148767	1.053177	1.250542	.3845255	1.852322	.3545175
#1	.6289774	.0056667	.0083469	12.08115	.1931688	.0420411
#2	.6311225	.0056374	.0085580	12.14309	.2001380	.0420314
#3	.6286219	.0057526	.0084634	12.17255	.1948811	.0422947

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0512168	143.2928	2.773685	24.04694	.1063236	-.002577
Stddev	.0013537	.5850	.008148	.11485	.0004281	.000408
%RSD	2.643049	.4082679	.2937655	.4776080	.4026235	15.84061
#1	.0510741	142.6445	2.765240	23.92739	.1064003	-.002625
#2	.0499401	143.7814	2.774314	24.05702	.1058623	-.002958
#3	.0526361	143.4525	2.781500	24.15642	.1067082	-.002146

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.486276	.1805351	.3448583	9.676972	F-429.996	.0404907
Stddev	.110247	.0002547	.0049418	.059886	.989	.0027371
%RSD	7.417647	.1410573	1.433005	.6188501	.2299812	6.759766
#1	1.372806	.1807171	.3398876	9.613486	-430.326	.0435368
#2	1.592989	.1806441	.3449166	9.732453	-428.884	.0382379
#3	1.493033	.1802441	.3497707	9.684978	-430.778	.0396975

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-15 Acquired: 11/13/2011 17:25:41 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RG0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000445	454.5629	1.997717	-.006435	2.823495	169.2314
Stddev	.000108	.7916	.002005	.000523	.003178	1.1831
%RSD	24.22901	.1741455	.1003750	8.124681	.1125440	.6990797
#1	-.000466	454.1770	1.998612	-.005838	2.821229	168.3428
#2	-.000540	454.0382	1.995420	-.006810	2.827127	168.7772
#3	-.000328	455.4735	1.999119	-.006658	2.822129	170.5743

Elem	Sr4077
Units	ppm
Avg	F 16.77458
Stddev	.06285
%RSD	.3746891
#1	16.77905
#2	16.70962
#3	16.83508

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	444.2999	5360.083	107071.9	22030.20	5311.601
Stddev	1.8887	14.032	340.7	106.19	9.396
%RSD	.4250867	.2617784	.3181983	.4820068	.1768978
#1	442.8778	5346.277	107317.3	21967.33	5304.217
#2	446.4428	5374.330	106682.9	22152.80	5322.177
#3	443.5790	5359.642	107215.5	21970.47	5308.409

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-16 Acquired: 11/13/2011 17:29:08 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RG1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0330037	-.005471	.0820111	-.001913	.0047353	44.53948
Stddev	.0006782	.000625	.0013972	.001495	.0007862	.43907
%RSD	2.054928	11.42750	1.703675	78.13185	16.60303	.9858012
#1	.0322350	-.006024	.0830847	-.003492	.0053048	44.27159
#2	.0332583	-.004793	.0804313	-.001727	.0038383	44.30065
#3	.0335176	-.005597	.0825173	-.000520	.0050628	45.04619

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4029986	.0040551	.0064652	23.42139	.1338628	.0404509
Stddev	.0035675	.0002017	.0000871	.31884	.0025181	.0001286
%RSD	.8852363	4.973502	1.347589	1.361317	1.881111	.3180081
#1	.4016175	.0039812	.0065312	23.28699	.1309561	.0403028
#2	.4003281	.0039008	.0064979	23.19175	.1352505	.0405346
#3	.4070501	.0042833	.0063664	23.78542	.1353818	.0405154

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0366744	109.9199	3.500233	17.37352	.0830125	-.001921
Stddev	.0012148	1.1838	.042660	.24425	.0001475	.000165
%RSD	3.312394	1.076981	1.218776	1.405887	.1776347	8.566608
#1	.0372784	109.3334	3.477854	17.26297	.0830285	-.002029
#2	.0352760	109.1438	3.473419	17.20409	.0828578	-.002003
#3	.0374688	111.2825	3.549425	17.65350	.0831514	-.001732

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.321413	.1326360	.3488496	7.277395	F-262.143	.0321488
Stddev	.064674	.0013039	.0019988	.072660	.476	.0024758
%RSD	4.894270	.9830547	.5729680	.9984327	.1816336	7.701208
#1	1.364915	.1316783	.3480671	7.234883	-262.691	.0297813
#2	1.247095	.1321087	.3473604	7.236010	-261.838	.0319446
#3	1.352230	.1341209	.3511213	7.361293	-261.899	.0347204

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-16 Acquired: 11/13/2011 17:29:08 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RG1 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000101	362.1352	2.234545	-.003137	2.207702	112.4729
Stddev	.000226	.9337	.022308	.000675	.021562	1.3362
%RSD	222.6551	.2578355	.9983024	21.53206	.9766616	1.188021
#1	-.000047	362.8413	2.232804	-.003344	2.200007	111.8864
#2	.000092	362.4878	2.213160	-.002382	2.191044	111.5303
#3	-.000349	361.0766	2.257673	-.003684	2.232056	114.0021

Elem	Sr4077
Units	ppm
Avg	F 17.53802
Stddev	.23040
%RSD	1.313701
#1	17.38894
#2	17.42175
#3	17.80339

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	433.1350	5325.269	105280.7	21338.32	5388.762
Stddev	4.8169	27.953	223.2	190.63	17.922
%RSD	1.112112	.5249145	.2120001	.8933737	.3325837
#1	431.7750	5299.357	105354.8	21334.79	5374.704
#2	438.4857	5321.558	105457.5	21530.69	5382.638
#3	429.1443	5354.893	105029.9	21149.48	5408.943

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-17 Acquired: 11/13/2011 17:32:32 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RG2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0329570	-.003969	.0545960	-.001248	.0024436	56.78662
Stddev	.0029631	.000351	.0017859	.000787	.0006833	.08340
%RSD	8.990759	8.831511	3.271109	63.07013	27.96425	.1468737
#1	.0358502	-.004248	.0553848	-.002032	.0017844	56.86576
#2	.0299287	-.003576	.0525515	-.000458	.0023977	56.69952
#3	.0330922	-.004083	.0558516	-.001254	.0031488	56.79457

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3704455	.0044874	.0072490	11.66985	.1613575	.0457091
Stddev	.0020616	.0001843	.0000193	.03791	.0007240	.0002667
%RSD	.5565115	4.106933	.2661156	.3248695	.4487223	.5835050
#1	.3723916	.0045914	.0072483	11.70052	.1605869	.0454036
#2	.3682852	.0042746	.0072686	11.62746	.1620237	.0458952
#3	.3706597	.0045961	.0072300	11.68157	.1614619	.0458286

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0392109	124.6320	3.849796	21.84449	.0965437	-.002202
Stddev	.0016349	.3575	.010079	.08510	.0004751	.000187
%RSD	4.169432	.2868208	.2618061	.3895807	.4921511	8.505398
#1	.0405586	125.0138	3.859075	21.91199	.0963031	-.002413
#2	.0373923	124.3053	3.839073	21.74889	.0962371	-.002139
#3	.0396819	124.5768	3.851240	21.87259	.0970911	-.002055

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.463829	.1628211	.3110419	9.181684	F-243.063	.0389229
Stddev	.055790	.0023470	.0021632	.033093	.680	.0010952
%RSD	3.811264	1.441473	.6954619	.3604246	.2797771	2.813756
#1	1.526469	.1645466	.3094581	9.153408	-243.411	.0401870
#2	1.419480	.1637683	.3101611	9.218082	-242.280	.0382604
#3	1.445537	.1601485	.3135066	9.173562	-243.499	.0383212

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-17 Acquired: 11/13/2011 17:32:32 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RG2 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000710	517.3109	2.151824	-.006629	2.786415	148.0310
Stddev	.000177	2.2933	.022763	.000953	.011359	1.0979
%RSD	24.95389	.4433164	1.057827	14.37766	.4076516	.7416650
#1	-.000910	516.3067	2.177984	-.006717	2.798192	148.4801
#2	-.000573	515.6909	2.136542	-.007535	2.775526	146.7798
#3	-.000648	519.9350	2.140944	-.005635	2.785528	148.8331

Elem	Sr4077
Units	ppm
Avg	F 14.26306
Stddev	.05385
%RSD	.3775471
#1	14.29629
#2	14.20093
#3	14.29195

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	439.6207	5380.754	106433.9	21685.35	5372.264
Stddev	.9850	14.524	611.8	135.31	9.106
%RSD	.2240675	.2699260	.5747970	.6239590	.1695043
#1	438.6368	5364.987	105942.0	21529.83	5363.899
#2	440.6069	5393.587	106240.8	21776.05	5381.964
#3	439.6182	5383.686	107118.9	21750.17	5370.929

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-18 Acquired: 11/13/2011 17:35:53 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RG3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0358849	-.004830	.0517704	.0003598	.0029587	54.18693
Stddev	.0026374	.000271	.0006868	.0029915	.0011452	.22148
%RSD	7.349632	5.613862	1.326664	831.5098	38.70529	.4087324
#1	.0330065	-.005074	.0514568	.0012714	.0038056	53.93305
#2	.0364625	-.004878	.0512964	-.002982	.0016558	54.28712
#3	.0381855	-.004538	.0525581	.002789	.0034148	54.34061

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3571134	.0043263	.0064279	11.72457	.1492414	.0467510
Stddev	.0002511	.0001207	.0000092	.03662	.0013947	.0003126
%RSD	.0703212	2.789191	.1437892	.3123072	.9345214	.6686946
#1	.3568267	.0044505	.0064314	11.69417	.1477195	.0466646
#2	.3572948	.0042095	.0064349	11.71433	.1495461	.0470978
#3	.3572185	.0043189	.0064174	11.76522	.1504585	.0464907

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0380833	111.4889	1.983919	21.44052	.0961071	-.002026
Stddev	.0009505	.2679	.009988	.07495	.0003530	.000389
%RSD	2.495727	.2402675	.5034398	.3495934	.3673080	19.22010
#1	.0391804	111.3411	1.976162	21.35438	.0957377	-.002097
#2	.0375608	111.3275	1.980405	21.49085	.0961426	-.001606
#3	.0375088	111.7981	1.995189	21.47633	.0964410	-.002375

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.471221	.1560406	.3228049	8.674136	F-243.142	.0357969
Stddev	.040668	.0011276	.0017332	.015751	.542	.0026576
%RSD	2.764267	.7226557	.5369089	.1815870	.2227285	7.424210
#1	1.441539	.1549139	.3214038	8.656927	-242.646	.0343561
#2	1.454547	.1560386	.3247430	8.677644	-243.058	.0388638
#3	1.517576	.1571692	.3222679	8.687838	-243.720	.0341707

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-18 Acquired: 11/13/2011 17:35:53 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RG3 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000053	554.8894	1.910451	-.007430	2.575950	144.5505
Stddev	.000311	.8943	.008693	.000684	.003471	.9617
%RSD	584.3017	.1611752	.4550012	9.202321	.1347490	.6652758
#1	-.000410	554.8549	1.920483	-.007410	2.575265	143.9518
#2	.000159	555.8004	1.905168	-.006757	2.572872	145.6598
#3	.000091	554.0127	1.905701	-.008124	2.579712	144.0400

Elem	Sr4077
Units	ppm
Avg	F 13.06681
Stddev	.08365
%RSD	.6401872
#1	12.98169
#2	13.06982
#3	13.14891

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	438.9210	5372.913	106253.9	21806.09	5401.449
Stddev	3.9317	2.944	342.0	30.69	8.992
%RSD	.8957552	.0548007	.3219163	.1407322	.1664754
#1	435.5321	5376.288	106211.7	21771.95	5405.301
#2	437.9994	5371.576	106615.2	21831.36	5391.173
#3	443.2317	5370.873	105935.0	21814.98	5407.874

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-18LX5 Acquired: 11/13/2011 17:39:13 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RG3L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0096099	.0009524	.0119782	-.001207	-.000323	11.60321	.0746533
Stddev	.0012869	.0009266	.0018922	.000430	.000221	.04021	.0002884
%RSD	13.39082	97.28912	15.79673	35.60006	68.36290	.3465168	.3863317
#1	.0110946	.0015176	.0135478	-.000784	-.000091	11.55750	.0743328
#2	.0088150	.0014567	.0098771	-.001193	-.000347	11.63311	.0748920
#3	.0089201	-.000117	.0125097	-.001643	-.000530	11.61902	.0747349

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008645	.0012492	2.510794	.0307032	.0096175	.0054011	24.34814
Stddev	.0001011	.0000312	.006632	.0009991	.0001012	.0011407	.06309
%RSD	11.69268	2.499885	.2641388	3.253982	1.051982	21.12038	.2591302
#1	.0008939	.0012310	2.517382	.0310779	.0097156	.0041256	24.39926
#2	.0009476	.0012852	2.504119	.0314608	.0096233	.0063235	24.27763
#3	.0007520	.0012313	2.510882	.0295710	.0095135	.0057541	24.36753

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4329548	4.619277	.0194407	-.000733	.4510344	.0339216	.0706226
Stddev	.0004873	.025520	.0003453	.000115	.0297182	.0017024	.0032539
%RSD	.1125534	.5524673	1.775909	15.66555	6.588902	5.018724	4.607450
#1	.4325151	4.630025	.0194816	-.000792	.4339324	.0358862	.0674291
#2	.4328707	4.590141	.0197636	-.000600	.4853500	.0330005	.0739337
#3	.4334787	4.637665	.0190767	-.000805	.4338209	.0328783	.0705052

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.774813	F-52.9054	.0075348	-.000562	117.7037	.4097138	-.005263
Stddev	.017700	.6016	.0026081	.000013	.8911	.0195442	.000115
%RSD	.9972986	1.137061	34.61345	2.387335	.7570589	4.770207	2.191391
#1	1.759917	-53.3220	.0045422	-.000566	118.3845	.4322739	-.005367
#2	1.794380	-53.1784	.0087395	-.000548	118.0314	.3979259	-.005283
#3	1.770142	-52.2157	.0093227	-.000574	116.6951	.3989416	-.005139

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-18LX5 Acquired: 11/13/2011 17:39:13 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RG3L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.5425893	29.40500	2.787703
Stddev	.0007437	.41616	.028512
%RSD	.1370659	1.415261	1.022766
#1	.5425101	29.41801	2.755043
#2	.5433695	29.81451	2.800435
#3	.5418884	28.98250	2.807629

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	449.9582	5515.370	108303.9	21585.80	5861.263
Stddev	2.8478	34.254	174.7	124.15	43.183
%RSD	.6329138	.6210677	.1613135	.5751549	.7367483
#1	453.0751	5493.443	108109.9	21662.29	5830.650
#2	449.3075	5497.825	108353.1	21652.55	5842.483
#3	447.4920	5554.842	108448.8	21442.55	5910.656

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-19 Acquired: 11/13/2011 17:42:34 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RG3D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0349375	-.003867	.0533460	-.001307	.0029007	57.38977
Stddev	.0016163	.000152	.0016242	.001552	.0008871	1.18099
%RSD	4.626354	3.931054	3.044572	118.7153	30.58392	2.057844
#1	.0350253	-.003758	.0526482	-.002955	.0029761	56.12712
#2	.0332790	-.003802	.0552024	-.001092	.0019783	58.46722
#3	.0365081	-.004041	.0521873	.000126	.0037478	57.57498

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3807926	.0045441	.0065853	11.30074	.1621903	.0445760
Stddev	.0075382	.0001937	.0000674	.25838	.0017478	.0002493
%RSD	1.979607	4.262939	1.023949	2.286423	1.077613	.5592995
#1	.3729371	.0045573	.0065645	11.01762	.1609435	.0445374
#2	.3879673	.0043442	.0066606	11.52382	.1614393	.0448423
#3	.3814735	.0047310	.0065307	11.36078	.1641881	.0443482

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0407322	114.1101	2.149252	21.99912	.1014480	-.002351
Stddev	.0009782	2.4080	.043867	.46056	.0002626	.000182
%RSD	2.401589	2.110227	2.041028	2.093555	.2588645	7.726093
#1	.0398702	111.4180	2.100681	21.46914	.1016954	-.002408
#2	.0405310	116.0586	2.185985	22.30233	.1014763	-.002498
#3	.0417954	114.8536	2.161088	22.22588	.1011724	-.002148

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.559655	.1599961	.3205473	9.609391	F-245.271	.0400368
Stddev	.010213	.0015398	.0080119	.192778	.806	.0033608
%RSD	.6548368	.9623656	2.499432	2.006141	.3285213	8.394179
#1	1.562605	.1588306	.3114176	9.398416	-246.175	.0423035
#2	1.548291	.1617416	.3238173	9.776365	-245.009	.0416314
#3	1.568068	.1594160	.3264070	9.653391	-244.628	.0361756

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-19 Acquired: 11/13/2011 17:42:34 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RG3D Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000389	531.7338	2.024735	-.007149	2.699771	157.3261
Stddev	.000011	1.1121	.036240	.001083	.054346	2.2688
%RSD	2.726589	.2091456	1.789885	15.15344	2.012968	1.442108
#1	-.000381	530.5038	1.994308	-.008153	2.642760	155.0671
#2	-.000385	532.0290	2.064829	-.006001	2.750987	159.6046
#3	-.000401	532.6684	2.015069	-.007293	2.705565	157.3067

Elem	Sr4077
Units	ppm
Avg	F 14.24293
Stddev	.28562
%RSD	2.005376
#1	13.95424
#2	14.52538
#3	14.24916

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	429.7138	5335.033	105276.3	21552.45	5361.380
Stddev	3.4022	39.282	597.9	260.24	29.213
%RSD	.7917313	.7363000	.5679175	1.207491	.5448835
#1	433.5143	5296.693	104586.0	21817.30	5330.998
#2	426.9523	5333.213	105625.9	21297.07	5363.877
#3	428.6749	5375.193	105617.1	21542.99	5389.264

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-20 Acquired: 11/13/2011 17:45:51 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RG3S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1107694	.0818819	.0920484	.0725101	.1192884	71.65603
Stddev	.0011058	.0022130	.0014042	.0035887	.0009225	.17661
%RSD	.9983144	2.702714	1.525522	4.949188	.7733505	.2464628
#1	.1105212	.0793782	.0935397	.0716781	.1187768	71.78753
#2	.1119782	.0835766	.0907516	.0764417	.1187350	71.45529
#3	.1098088	.0826909	.0918538	.0694105	.1203533	71.72526

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.773333	.0796442	.0927665	12.54440	.4944419	.8505905
Stddev	.022321	.0006823	.0001651	.03706	.0053777	.0019661
%RSD	.5915558	.8566514	.1779697	.2954051	1.087637	.2311467
#1	3.799081	.0790546	.0927593	12.52546	.4894898	.8490071
#2	3.759446	.0794865	.0929351	12.52065	.5001625	.8527912
#3	3.761472	.0803915	.0926052	12.58710	.4936734	.8499732

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4415744	135.0594	3.264077	25.31795	.9129673	.0795011
Stddev	.0019306	.3589	.014884	.12999	.0004234	.0004772
%RSD	.4371967	.2657086	.4560005	.5134146	.0463747	.6002130
#1	.4433989	134.7629	3.256839	25.23948	.9129396	.0797485
#2	.4395529	134.9570	3.254196	25.24638	.9134039	.0798038
#3	.4417715	135.4584	3.281196	25.46799	.9125584	.0789510

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.706424	.9861798	1.140127	10.59252	F-290.354	.0445087
Stddev	.054328	.0011586	.003375	.02831	.510	.0047354
%RSD	3.183743	.1174819	.2960465	.2672186	.1754775	10.63933
#1	1.761247	.9874808	1.139254	10.61857	-290.723	.0407933
#2	1.705419	.9852593	1.137274	10.59659	-290.567	.0428920
#3	1.652605	.9857992	1.143853	10.56240	-289.773	.0498407

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4447-20 Acquired: 11/13/2011 17:45:51 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RG3S Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000422	732.1581	3.003270	-.007154	3.189626	174.2706
Stddev	.000084	.6955	.020446	.000683	.009093	.9951
%RSD	19.81021	.0949998	.6807876	9.544542	.2850924	.5709982
#1	-.000499	732.0648	3.007918	-.007607	3.196021	175.4172
#2	-.000434	731.5139	2.980900	-.007485	3.179216	173.7631
#3	-.000333	732.8956	3.020992	-.006368	3.193640	173.6317

Elem	Sr4077
Units	ppm
Avg	F16.22189
Stddev	.07210
%RSD	.4444767
#1	16.30282
#2	16.16449
#3	16.19837

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	437.5270	5349.133	105508.1	21717.62	5320.337
Stddev	3.1790	25.758	743.4	46.63	13.746
%RSD	.7265944	.4815377	.7046163	.2147333	.2583727
#1	434.0000	5320.721	104938.1	21663.77	5307.372
#2	438.4091	5355.721	105237.3	21744.47	5318.890
#3	440.1718	5370.957	106349.0	21744.62	5334.750

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCV Acquired: 11/13/2011 17:49:03 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV19 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.947479	4.924919	24.18096	4.989440	4.947270	150.7784
Stddev	.016805	.013801	.03387	.016866	.014424	2.3711
%RSD	.3396668	.2802188	.1400488	.3380396	.2915538	1.572559
#1	4.953548	4.933037	24.21305	5.003314	4.949527	152.0498
#2	4.928482	4.908984	24.14556	4.970667	4.931851	148.0428
#3	4.960406	4.932735	24.18425	4.994341	4.960433	152.2427

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.787177	.4668781	2.411998	239.7956	14.96290	2.432132
Stddev	.205834	.0077668	.004875	4.2503	.11083	.009268
%RSD	2.103102	1.663561	.2021030	1.772472	.7407162	.3810723
#1	9.917275	.4700894	2.417319	242.1684	14.89099	2.441166
#2	9.549868	.4580207	2.407747	234.8887	14.90717	2.422646
#3	9.894388	.4725244	2.410927	242.3298	15.09053	2.432583

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.03150	139.1120	14.17310	227.7356	2.438786	1.184803
Stddev	.23859	2.3438	.22519	3.7396	.006612	.002413
%RSD	1.587293	1.684817	1.588852	1.642090	.2711346	.2036720
#1	15.17344	140.5254	14.30353	229.8944	2.442588	1.185287
#2	14.75604	136.4066	13.91308	223.4174	2.431150	1.182185
#3	15.16502	140.4042	14.30270	229.8950	2.442619	1.186938

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	145.7275	2.408430	14.45493	146.1406	F-145.439	4.807066
Stddev	2.4036	.036606	.24582	2.1015	.446	.084146
%RSD	1.649353	1.519926	1.700565	1.438001	.3065650	1.750462
#1	147.1518	2.428716	14.46318	147.6317	-145.350	4.855976
#2	142.9524	2.366172	14.20509	143.7371	-145.045	4.709904
#3	147.0783	2.430403	14.69651	147.0530	-145.923	4.855319

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCV Acquired: 11/13/2011 17:49:03 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV19 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.107473	239.6414	4.945115	4.968179	4.945610	F2973.958
Stddev	.017461	.4648	.093315	.009887	.086572	51.720
%RSD	.3418711	.1939608	1.887023	.1989978	1.750485	1.739110
#1	5.118442	239.1056	4.987539	4.977459	4.991045	3006.431
#2	5.087338	239.8826	4.838125	4.957781	4.845779	2914.315
#3	5.116639	239.9360	5.009681	4.969296	5.000007	3001.128

Elem	Sr4077
Units	ppm
Avg	F439.2895
Stddev	4.3845
%RSD	.9980792
#1	443.8729
#2	435.1355
#3	438.8601

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	385.1305	4617.109	92173.75	19685.50	4438.960
Stddev	5.7986	18.371	185.20	308.62	14.043
%RSD	1.505619	.3978993	.2009213	1.567775	.3163531
#1	382.1000	4598.792	92152.32	19439.54	4424.001
#2	391.8164	4635.534	92368.73	20031.81	4451.859
#3	381.4750	4617.001	92000.20	19585.16	4441.019

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCB Acquired: 11/13/2011 17:52:21 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB19 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009306	.0040175	.0003146	-.000895	-.000426	.0091830	-.001543
Stddev	.0009274	.0006156	.0004079	.001903	.000496	.0067106	.000165
%RSD	99.65537	15.32196	129.6679	212.7714	116.4344	73.07654	10.67469
#1	.0017747	.0045611	.0007594	.000763	-.000123	.0169295	-.001442
#2	.0010791	.0033491	-.000042	-.000473	-.000156	.0051503	-.001455
#3	-.000062	.0041423	.000226	-.002973	-.000998	.0054691	-.001733

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000063	.0000046	.0026440	.0004645	.0001127	-.005019	.0183334
Stddev	.000033	.0000507	.0048027	.0015226	.0001599	.000727	.0212365
%RSD	52.74487	1097.443	181.6433	327.7538	141.8881	14.48112	115.8354
#1	-.000091	-.000017	.0081454	.0022218	.0000560	-.005847	.0428153
#2	-.000072	.000062	-.000713	-.000462	.0002933	-.004718	.0048825
#3	-.000026	-.000032	.000499	-.000366	-.000011	-.004490	.0073022

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000050	-.004448	-.000188	-.000336	.1305922	.0012235	-.000032
Stddev	.000214	.007784	.000095	.000246	.0273800	.0005219	.001335
%RSD	427.3066	174.9853	50.44614	73.24397	20.96605	42.65684	4204.931
#1	-.000120	-.001100	-.000110	-.000080	.1591373	.0016856	.000222
#2	-.000221	-.013346	-.000293	-.000357	.1045490	.0013274	.001158
#3	.000190	.001101	-.000161	-.000570	.1280904	.0006574	-.001475

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0333623	.2095126	.0057059	.0052601	.0221556	.0178164	.0003974
Stddev	.0139724	.0637859	.0019406	.0013330	.1205186	.0054358	.0006708
%RSD	41.88070	30.44491	34.00979	25.34182	543.9657	30.51017	168.7979
#1	.0494630	.2405626	.0079446	.0067062	.0125053	.0228532	.0004944
#2	.0262071	.2518284	.0045052	.0049937	-.093248	.0185416	-.000317
#3	.0244166	.1361467	.0046677	.0040804	.147209	.0120544	.001015

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCB Acquired: 11/13/2011 17:52:21 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB19 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.001950	-.010001	.0082665
Stddev	.000714	.404474	.0009647
%RSD	36.62814	4044.409	11.67019
#1	-.001276	-.371166	.0090499
#2	-.002698	-.085872	.0085607
#3	-.001876	.427036	.0071890

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	427.0458	5414.714	105891.6	20608.97	5876.336
Stddev	3.8769	13.884	546.3	47.87	19.839
%RSD	.9078356	.2564136	.5159127	.2322633	.3376098
#1	423.1249	5400.300	105757.1	20556.31	5854.440
#2	427.1353	5415.844	106492.6	20620.72	5881.450
#3	430.8771	5427.999	105425.1	20649.86	5893.117

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: PB59103BL Acquired: 11/13/2011 17:55:46 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: PBW01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001545	-.000107	.0010896	-.000627	.0000830	-.002603	-.001644
Stddev	.001261	.001126	.0009410	.001342	.0010386	.003043	.000271
%RSD	81.61448	1050.745	86.36172	214.0727	1251.367	116.9141	16.49436
#1	-.001100	.000491	.0002290	.000882	.0012228	-.002033	-.001950
#2	-.000567	.000593	.0009454	-.001073	-.000810	-.005891	-.001435
#3	-.002969	-.001406	.0020943	-.001689	-.000164	.000115	-.001547

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000039	-.000032	-.005087	.0000323	-.000011	-.005001	-.001312
Stddev	.000081	.000080	.003415	.0007619	.000070	.000341	.000967
%RSD	206.2655	250.1739	67.14006	2358.398	630.3805	6.828365	73.69836
#1	.000025	.000048	-.002137	.0006438	-.000041	-.005383	-.001235
#2	-.000013	-.000113	-.008828	.0002744	-.000062	-.004726	-.000386
#3	-.000130	-.000032	-.004295	-.000821	.000069	-.004894	-.002316

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000086	.0013211	-.000317	-.000228	.0941490	.0005997	-.000249
Stddev	.000101	.0015865	.000041	.000149	.0529818	.0008391	.000595
%RSD	117.9163	120.0933	12.85966	65.33704	56.27444	139.9093	238.5518
#1	.000030	.0012755	-.000271	-.000398	.1484443	.0000750	.000341
#2	-.000129	.0029299	-.000332	-.000125	.0914164	.0001567	-.000849
#3	-.000158	-.000242	-.000348	-.000160	.0425863	.0015674	-.000240

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0547554	.2202068	.0015502	.0012893	-.058360	.0187036	-.000245
Stddev	.0224562	.0278185	.0009257	.0001907	.210630	.0077838	.000043
%RSD	41.01190	12.63289	59.71577	14.79093	360.9179	41.61685	17.47888
#1	.0322611	.1886540	.0025871	.0014173	-.162193	.0276909	-.000211
#2	.0548317	.2411968	.0008070	.0010701	.184027	.0143050	-.000231
#3	.0771733	.2307698	.0012565	.0013806	-.196913	.0141148	-.000293

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: PB59103BL Acquired: 11/13/2011 17:55:46 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: PBW01 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002793	F-.260207	.0012981
Stddev	.000597	.512533	.0054491
%RSD	21.36922	196.9713	419.7708
#1	-.003474	-.833906	.0065070
#2	-.002547	.152508	-.004363
#3	-.002358	-.099223	.001750

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	426.0340	5414.487	106358.1	20564.21	5855.275
Stddev	6.4025	36.950	570.3	222.57	23.039
%RSD	1.502822	.6824292	.5362476	1.082301	.3934689
#1	429.7812	5373.530	105772.0	20736.51	5829.348
#2	418.6413	5424.609	106911.2	20312.92	5863.082
#3	429.6797	5445.321	106391.3	20643.19	5873.397

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: PB59103BS Acquired: 11/13/2011 17:59:11 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: LCS01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0192045	.0525658	.0210428	.0643269	.1131625	.3784180	.4046558
Stddev	.0003588	.0011120	.0010065	.0018731	.0012643	.0069051	.0018960
%RSD	1.868318	2.115496	4.782885	2.911837	1.117266	1.824734	.4685393
#1	.0191654	.0538091	.0219962	.0664478	.1128053	.3707318	.4036716
#2	.0195813	.0516661	.0211415	.0628993	.1145670	.3804246	.4068414
#3	.0188669	.0522223	.0199906	.0636337	.1121152	.3840975	.4034543

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0094148	.0096951	9.732169	.0181832	.0889981	.0447068	.1974405
Stddev	.0000528	.0001004	.041293	.0004700	.0013054	.0012455	.0031561
%RSD	.5606418	1.035785	.4242986	2.584741	1.466793	2.785983	1.598525
#1	.0094039	.0096512	9.686604	.0185795	.0881340	.0433307	.1981390
#2	.0093683	.0098099	9.767118	.0183062	.0904998	.0457568	.2001889
#3	.0094722	.0096241	9.742786	.0176640	.0883605	.0450330	.1939936

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0312464	8.800185	.0780419	.0191679	9.902906	.0941683	.1161083
Stddev	.0001450	.048847	.0009956	.0001698	.084244	.0007592	.0011503
%RSD	.4641200	.5550705	1.275722	.8859229	.8507042	.8062044	.9907103
#1	.0312355	8.743875	.0773977	.0192450	9.809142	.0937260	.1168892
#2	.0313965	8.831163	.0791886	.0189732	9.927355	.0950450	.1147873
#3	.0311071	8.825515	.0775393	.0192855	9.972222	.0937341	.1166483

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.563014	.1732160	.0015969	.0003029	-.017121	.0021950	-.000317
Stddev	.039927	.0425370	.0013407	.0000904	.182460	.0072381	.000468
%RSD	.4175106	24.55719	83.95652	29.86237	1065.712	329.7522	147.3392
#1	9.523077	.2190620	.0027061	.0004019	.062193	.0105075	-.000695
#2	9.563034	.1350286	.0001071	.0002820	-.225815	-.001208	-.000463
#3	9.602931	.1655573	.0019774	.0002247	.112259	-.002715	.000206

Reviewed By:danuta
On:11/15/2011
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Inst Id :P5

Sample Name: PB59103BS Acquired: 11/13/2011 17:59:11 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: LCS01 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002317	.1497535	.1898189
Stddev	.000630	.6149009	.0055066
%RSD	27.18059	410.6086	2.900957
#1	-.002678	-.172082	.1960972
#2	-.001590	-.237434	.1858080
#3	-.002683	.858777	.1875517

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	425.2154	5289.426	103540.6	20528.49	5604.563
Stddev	.6313	39.803	693.7	87.82	50.682
%RSD	.1484743	.7524947	.6699493	.4278064	.9042956
#1	425.0899	5297.804	103923.8	20629.90	5614.635
#2	424.6562	5246.101	102739.9	20477.51	5549.602
#3	425.9000	5324.372	103958.1	20478.07	5649.453

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4391-18 Acquired: 11/13/2011 18:02:35 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9T99 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002533	.0009199	.0010805	-.000647	-.000454	.0023057	.0012810
Stddev	.0006373	.0011029	.0002146	.000668	.000915	.0002648	.0004020
%RSD	251.5810	119.8922	19.86042	103.3353	201.5695	11.48613	31.38558
#1	.0007316	.0001433	.0012898	-.000045	.000577	.0020514	.0015786
#2	-.000470	.0021823	.0008610	-.000529	-.000770	.0022858	.0014408
#3	.000499	.0004342	.0010907	-.001366	-.001169	.0025799	.0008236

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000035	-.000062	1.072020	.0007625	.0000133	-.002195	.0261349
Stddev	.000136	.000052	.005529	.0011537	.0001290	.001311	.0057587
%RSD	386.2693	84.71744	.5157535	151.3038	968.5803	59.74632	22.03469
#1	.000117	-.000094	1.076997	.0008731	-.000039	-.001010	.0195448
#2	-.000077	-.000001	1.066069	-.000443	-.000081	-.001971	.0286613
#3	-.000146	-.000089	1.072996	.001857	.000160	-.003604	.0301986

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006101	.0884489	.0002589	-.000206	.5262552	.0010972	.0038292
Stddev	.0000816	.0052379	.0003004	.000116	.0364713	.0003471	.0013650
%RSD	13.37858	5.922004	116.0619	55.99766	6.930347	31.63552	35.64661
#1	.0006166	.0834310	-.000086	-.000096	.5173200	.0007365	.0027489
#2	.0006883	.0880336	.000400	-.000196	.5663638	.0014288	.0053633
#3	.0005255	.0938822	.000463	-.000327	.4950819	.0011263	.0033755

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.051334	-.107697	.0004838	-.000060	1.818400	.0101788	-.004596
Stddev	.012352	.016544	.0022192	.000215	.109292	.0048457	.000402
%RSD	24.06259	15.36138	458.6842	356.8803	6.010339	47.60563	8.746766
#1	-.041144	-.102998	.0007527	-.000275	1.944167	.0155459	-.004231
#2	-.065072	-.094011	-.001858	-.000059	1.746476	.0088647	-.004530
#3	-.047785	-.126082	.002556	.000154	1.764557	.0061256	-.005027

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4391-18 Acquired: 11/13/2011 18:02:35 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9T99 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.001682	F-1.30270	.5678225
Stddev	.000818	.30338	.0047411
%RSD	48.66520	23.28887	.8349563
#1	-.000812	-1.63411	.5732954
#2	-.001796	-1.23532	.5652033
#3	-.002437	-1.03868	.5649689

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	447.7529	5460.700	108256.1	21443.16	6001.377
Stddev	1.3523	43.053	329.2	28.53	39.590
%RSD	.3020220	.7884145	.3041280	.1330424	.6596845
#1	446.2256	5470.028	108584.9	21466.28	6015.279
#2	448.7979	5498.324	108256.9	21411.28	6032.141
#3	448.2353	5413.747	107926.4	21451.91	5956.711

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4481-01 Acquired: 11/13/2011 18:06:01 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TA1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015385	.0010364	.0011569	-.001396	-.000933	.0027295	.0020159
Stddev	.0018462	.0009858	.0007934	.001085	.000668	.0043434	.0002485
%RSD	120.0007	95.12073	68.58003	77.68177	71.56539	159.1311	12.32781
#1	.0004592	.0005551	.0012613	-.001590	-.001616	-.000915	.0022712
#2	.0004861	.0021705	.0018930	-.000228	-.000281	.007536	.0020015
#3	.0036702	.0003837	.0003165	-.002371	-.000903	.001568	.0017748

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000100	-.000023	3.097581	-.000941	-.000135	-.002880	.0517063
Stddev	.000157	.000028	.009051	.000352	.000191	.001117	.0054794
%RSD	157.1494	119.7596	.2922000	37.43782	141.5005	38.80631	10.59717
#1	-.000204	-.000055	3.103033	-.000896	-.000341	-.002472	.0562983
#2	.000081	-.000010	3.102576	-.001313	-.000101	-.002023	.0531798
#3	-.000177	-.000004	3.087133	-.000613	.000037	-.004144	.0456408

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011786	.1485713	.0001249	-.000209	.6035250	.0007341	.0044268
Stddev	.0000878	.0068745	.0000891	.000051	.0370263	.0010467	.0017404
%RSD	7.452469	4.627078	71.35620	24.30330	6.135004	142.5879	39.31593
#1	.0011303	.1561664	.0001539	-.000254	.5639677	.0013768	.0028165
#2	.0012800	.1427750	.0000249	-.000220	.6373521	-.000474	.0062733
#3	.0011255	.1467724	.0001960	-.000154	.6092552	.001299	.0041906

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.086071	F-1.47198	-.000031	-.000087	2.068648	.0139753	-.005204
Stddev	.022233	.01767	.000673	.000113	.256303	.0061752	.000405
%RSD	25.83085	1.200258	2183.473	128.9824	12.38990	44.18636	7.788128
#1	-.075739	-1.48309	.000721	-.000152	1.840658	.0203395	-.004813
#2	-.111589	-1.45161	-.000234	.000043	2.019220	.0135781	-.005622
#3	-.070884	-1.48125	-.000579	-.000153	2.346065	.0080083	-.005176

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4481-01 Acquired: 11/13/2011 18:06:01 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TA1 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.001508	F-1.41382	1.066588
Stddev	.000315	.27118	.004204
%RSD	20.88689	19.18048	.3941206
#1	-.001187	-1.26679	1.068503
#2	-.001519	-1.24791	1.061768
#3	-.001817	-1.72676	1.069493

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	436.8404	5381.220	106388.7	21265.60	5935.297
Stddev	2.5891	19.080	226.8	127.70	7.228
%RSD	.5926907	.3545687	.2131798	.6005213	.1217855
#1	434.0257	5397.792	106241.0	21124.26	5935.731
#2	437.3750	5360.361	106649.8	21299.83	5927.861
#3	439.1205	5385.506	106275.2	21372.70	5942.298

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4481-02 Acquired: 11/13/2011 18:09:26 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TA7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0464878	.0004574	.5624204	-.011445	.0047624	28.30972
Stddev	.0004570	.0007349	.0021487	.000970	.0004197	.10360
%RSD	.9830234	160.6821	.3820517	8.471948	8.811981	.3659394
#1	.0460125	.0006130	.5601329	-.010766	.0043803	28.40682
#2	.0469240	.0011020	.5627319	-.012556	.0046955	28.20067
#3	.0465271	-.000343	.5643963	-.011014	.0052116	28.32167

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.611751	.0161199	.0251049	40.31938	.0412022	.0644582
Stddev	.000697	.0000537	.0000148	.07359	.0013180	.0001495
%RSD	.0432753	.3333625	.0589612	.1825270	3.198781	.2319349
#1	1.612485	.0161484	.0251118	40.34215	.0416172	.0646294
#2	1.611097	.0161533	.0250879	40.37889	.0422627	.0643918
#3	1.611671	.0160579	.0251149	40.23709	.0397267	.0643533

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1369128	208.3952	1.367120	17.19408	.2568989	-.004770
Stddev	.0016487	.4134	.000666	.01761	.0005546	.000285
%RSD	1.204172	.1983618	.0486908	.1024116	.2158993	5.971814
#1	.1372117	208.5973	1.367885	17.17710	.2574619	-.004607
#2	.1351351	207.9196	1.366798	17.19286	.2568817	-.005098
#3	.1383915	208.6686	1.366676	17.21226	.2563530	-.004603

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.41673	.1779484	2.077739	5.403556	F-656.892	.0789181
Stddev	.17381	.0026129	.013184	.014683	1.437	.0034282
%RSD	.9437731	1.468345	.6345283	.2717232	.2187991	4.344063
#1	18.61703	.1765223	2.083310	5.411006	-657.073	.0793190
#2	18.32750	.1809640	2.062684	5.386641	-658.230	.0821282
#3	18.30565	.1763588	2.087222	5.413020	-655.373	.0753070

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4481-02 Acquired: 11/13/2011 18:09:26 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TA7 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002717	756.4866	15.64416	-.001223	.1095846	26.48492
Stddev	.000158	1.5769	.06859	.000911	.0009474	.07961
%RSD	5.831412	.2084493	.4384135	74.48596	.8645068	.3005678
#1	-.002657	758.3063	15.71817	-.000981	.1098818	26.57661
#2	-.002596	755.6330	15.58274	-.002230	.1103477	26.44476
#3	-.002896	755.5206	15.63157	-.000457	.1085242	26.43339

Elem	Sr4077
Units	ppm
Avg	F74.12923
Stddev	.16495
%RSD	.2225201
#1	74.28927
#2	73.95977
#3	74.13866

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	442.2946	5292.218	104994.9	21828.09	5274.043
Stddev	3.4998	15.411	88.5	9.24	6.836
%RSD	.7912857	.2912029	.0842808	.0423134	.1296217
#1	440.6106	5308.433	105050.4	21820.03	5281.689
#2	446.3181	5277.762	104892.8	21826.06	5268.519
#3	439.9551	5290.457	105041.4	21838.17	5271.923

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4481-03 Acquired: 11/13/2011 18:12:42 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TC9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0057799	.0008186	.0182614	-.001701	-.000554	.6813102
Stddev	.0028104	.0003850	.0002933	.001806	.000505	.0146793
%RSD	48.62376	47.03576	1.605857	106.2127	91.13988	2.154570
#1	.0089287	.0004003	.0184941	.000380	-.001034	.6971373
#2	.0048857	.0008971	.0183583	-.002869	-.000600	.6786511
#3	.0035254	.0011582	.0179320	-.002613	-.000027	.6681421

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0784874	.0005858	.0008167	13.12991	.0008942	.0024364
Stddev	.0004322	.0000663	.0000398	.04669	.0004112	.0000207
%RSD	.5506030	11.31104	4.869268	.3556245	45.98757	.8488739
#1	.0780632	.0006090	.0008460	13.09432	.0008630	.0024274
#2	.0784718	.0006375	.0007714	13.11263	.0004994	.0024217
#3	.0789271	.0005111	.0008327	13.18278	.0013201	.0024601

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0029730	11.14365	.0946299	6.245320	.0136243	-.000377
Stddev	.0019200	.04273	.0000931	.009530	.0001334	.000332
%RSD	64.58148	.3834268	.0984228	.1525887	.9792850	88.12261
#1	.0008256	11.18001	.0946531	6.245541	.0136952	-.000016
#2	.0035694	11.09659	.0945273	6.235682	.0134704	-.000670
#3	.0045240	11.15436	.0947092	6.254737	.0137073	-.000446

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.07568	.0049016	.0788410	2.996255	F-46.6933	.0800744
Stddev	.05385	.0005295	.0004290	.012722	.3516	.0012947
%RSD	.3826079	10.80322	.5440926	.4245813	.7530366	1.616851
#1	14.13490	.0044445	.0793036	2.992272	-47.0935	.0785932
#2	14.02964	.0054818	.0787631	2.986001	-46.5520	.0809903
#3	14.06249	.0047783	.0784564	3.010491	-46.4342	.0806397

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4481-03 Acquired: 11/13/2011 18:12:42 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TC9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000128	773.8654	4.662790	-.004109	.0096750	3.817418
Stddev	.000245	1.6137	.019357	.000568	.0002835	.186937
%RSD	190.7728	.2085265	.4151431	13.81040	2.930110	4.896960
#1	-.000356	775.1885	4.684486	-.004277	.0094322	3.612564
#2	-.000160	774.3400	4.647287	-.003477	.0096063	3.978766
#3	.000131	772.0675	4.656598	-.004574	.0099866	3.860923

Elem	Sr4077
Units	ppm
Avg	F 17.67123
Stddev	.08214
%RSD	.4648435
#1	17.57759
#2	17.73115
#3	17.70496

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	427.8584	5251.289	104591.6	21244.93	5643.421
Stddev	3.1195	5.667	395.1	39.58	5.672
%RSD	.7291038	.1079249	.3777863	.1862846	.1005029
#1	424.3126	5247.742	104386.5	21290.53	5639.005
#2	430.1809	5257.825	104341.1	21219.52	5641.442
#3	429.0817	5248.301	105047.1	21224.74	5649.818

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4481-04 Acquired: 11/13/2011 18:16:03 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TA2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009686	.0008695	.0002095	-.000605	-.000274	.0018006	-.000634
Stddev	.0011017	.0019771	.0013741	.001096	.000628	.0026160	.000338
%RSD	113.7407	227.3728	655.9208	181.0411	229.0842	145.2872	53.26961
#1	.0000599	-.001393	.0011683	-.001712	-.000990	.0039912	-.000309
#2	.0006520	.002267	.0008249	-.000582	-.000015	.0025064	-.000609
#3	.0021940	.001734	-.001365	.000479	.000183	-.001096	-.000983

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000090	-.000031	.4163792	-.001443	.0001663	-.003834	.0275833
Stddev	.000042	.000036	.0016525	.000581	.0000480	.000843	.0119643
%RSD	46.67386	114.9961	.3968770	40.28773	28.88819	21.97961	43.37532
#1	-.000135	-.000032	.4156210	-.001934	.0002108	-.004398	.0399675
#2	-.000052	-.000066	.4182748	-.000801	.0001728	-.002866	.0266939
#3	-.000083	.000005	.4152419	-.001594	.0001154	-.004240	.0160885

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003322	.0491022	.0000028	-.000175	.3590626	.0003877	.0033498
Stddev	.0000474	.0073161	.0000560	.000188	.0340175	.0004807	.0010783
%RSD	14.26947	14.89968	1971.560	107.3047	9.473983	123.9818	32.19002
#1	.0003827	.0513621	.0000148	-.000062	.3245209	-.000104	.0036742
#2	.0002887	.0409229	.0000519	-.000392	.3925305	.000410	.0021465
#3	.0003253	.0550218	-.000058	-.000071	.3601363	.000857	.0042286

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.098754	.0596552	.0016938	-.000118	1.332450	.0084737	-.004992
Stddev	.013379	.0705015	.0016059	.000221	.126833	.0063754	.000376
%RSD	13.54825	118.1817	94.80955	187.0911	9.518819	75.23741	7.524658
#1	-.103823	-.003167	.0015088	-.000236	1.365433	.0158158	-.004558
#2	-.083581	.135905	.0001884	-.000256	1.192383	.0043386	-.005211
#3	-.108859	.046228	.0033841	.000137	1.439534	.0052667	-.005205

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4481-04 Acquired: 11/13/2011 18:16:03 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TA2 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002663	F-1.30169	.2586382
Stddev	.000453	.69302	.0045723
%RSD	17.02115	53.24013	1.767829
#1	-.002928	-.50269	.2585443
#2	-.002140	-1.73965	.2632566
#3	-.002921	-1.66273	.2541135

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	430.6017	5390.800	106772.6	21207.45	5903.337
Stddev	5.8662	17.521	27.2	221.68	30.126
%RSD	1.362322	.3250180	.0255200	1.045317	.5103171
#1	424.2704	5372.751	106795.2	20996.12	5868.839
#2	431.6820	5407.740	106780.3	21188.02	5924.454
#3	435.8526	5391.910	106742.3	21438.21	5916.719

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4481-05 Acquired: 11/13/2011 18:19:30 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TC1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011782	.0013019	.0036229	-.001594	-.001197	.1029182
Stddev	.0004234	.0006011	.0003790	.000140	.000401	.0043799
%RSD	35.93750	46.17294	10.46055	8.813372	33.47715	4.255738
#1	.0016650	.0015679	.0036365	-.001477	-.001331	.1045510
#2	.0008950	.0017241	.0032373	-.001556	-.001514	.1062471
#3	.0009746	.0006137	.0039949	-.001750	-.000747	.0979563

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0295763	.0000288	.0000515	17.61558	-.000277	-.000263
Stddev	.0002754	.0000886	.0000590	.01419	.001246	.000079
%RSD	.9312359	308.1632	114.3930	.0805589	449.1991	29.88699
#1	.0298682	.0000803	-.000003	17.61250	.000497	-.000343
#2	.0295395	-.000074	.000114	17.60318	-.001715	-.000260
#3	.0293211	.000080	.000043	17.63105	.000386	-.000186

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002922	.4641240	.0483360	5.116934	.0013223	-.000135
Stddev	.0004266	.0039025	.0002788	.021970	.0002404	.000089
%RSD	145.9681	.8408415	.5767972	.4293549	18.17887	66.40181
#1	-.000077	.4615716	.0480401	5.141460	.0010516	-.000207
#2	.000194	.4621840	.0485937	5.099056	.0014044	-.000035
#3	.000759	.4686164	.0483744	5.110285	.0015108	-.000162

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.53039	.0017565	.0098522	1.957280	F-5.49862	.0250302
Stddev	.19061	.0008645	.0006805	.020382	.07172	.0019357
%RSD	1.153061	49.21412	6.907098	1.041335	1.304377	7.733588
#1	16.60989	.0025621	.0094593	1.955694	-5.55486	.0236768
#2	16.31291	.0018642	.0106380	1.978408	-5.52315	.0241664
#3	16.66839	.0008433	.0094593	1.937737	-5.41785	.0272474

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4481-05 Acquired: 11/13/2011 18:19:30 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TC1 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002787	478.1075	2.260672	-.004588	.0016464	1.602417
Stddev	.0000843	3.0080	.005742	.001178	.0006796	.029315
%RSD	30.24906	.6291495	.2539802	25.66295	41.28002	1.829404
#1	.0002607	477.1724	2.266135	-.005063	.0015454	1.630634
#2	.0002049	481.4720	2.261192	-.005455	.0023709	1.572116
#3	.0003706	475.6782	2.254688	-.003248	.0010229	1.604501

Elem	Sr4077
Units	ppm
Avg	F 16.62396
Stddev	.04917
%RSD	.2957639
#1	16.59567
#2	16.59549
#3	16.68074

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	424.1835	5231.194	103462.2	20975.70	5646.839
Stddev	3.1131	16.904	883.4	45.45	17.392
%RSD	.7338931	.3231294	.8538452	.2166760	.3079962
#1	421.9219	5217.266	102977.6	20931.69	5641.310
#2	427.7340	5226.315	102927.2	20972.96	5632.883
#3	422.8946	5250.000	104481.9	21022.46	5666.323

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4481-05LX5 Acquired: 11/13/2011 18:22:52 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TC1L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003114	.0015214	.0009859	-.002059	-.000365	.0185556	.0043803
Stddev	.0016876	.0009213	.0010060	.000521	.001315	.0024516	.0002195
%RSD	541.8931	60.55579	102.0413	25.30658	360.1444	13.21233	5.010200
#1	.0022527	.0020636	.0019520	-.002555	-.000682	.0213477	.0045870
#2	-.000512	.0004576	-.000056	-.001516	-.001492	.0167554	.0044039
#3	-.000806	.0020430	.001062	-.002106	.001079	.0175635	.0041500

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000099	-.000044	3.489656	-.001335	-.000031	-.004512	.0893243
Stddev	.000019	.000028	.011750	.000497	.000107	.000458	.0031599
%RSD	19.11566	64.14409	.3367121	37.20391	345.8108	10.14387	3.537557
#1	-.000083	-.000031	3.502319	-.001828	-.000017	-.004657	.0925934
#2	-.000120	-.000077	3.479105	-.000834	-.000143	-.004000	.0862863
#3	-.000095	-.000025	3.487545	-.001344	.000068	-.004881	.0890931

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0094623	1.024122	.0003462	-.000286	3.418736	.0009484	.0035652
Stddev	.0001807	.016207	.0002875	.000083	.008731	.0004718	.0006783
%RSD	1.909913	1.582514	83.04264	28.91194	.2553759	49.74920	19.02473
#1	.0094660	1.017401	.0004585	-.000288	3.413407	.0014801	.0042196
#2	.0092798	1.042608	.0000195	-.000202	3.413988	.0007853	.0028654
#3	.0096411	1.012357	.0005606	-.000367	3.428811	.0005797	.0036107

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2452190	-.930223	.0065623	-.000166	94.20902	.4517070	-.004379
Stddev	.0204414	.053195	.0021783	.000184	.48687	.0034329	.000788
%RSD	8.335979	5.718512	33.19475	110.8389	.5167982	.7599927	17.98936
#1	.2667074	-.984957	.0047853	.000031	94.08050	.4556701	-.004873
#2	.2429327	-.926999	.0089925	-.000334	94.74725	.4498017	-.004793
#3	.2260169	-.878714	.0059089	-.000195	93.79930	.4496493	-.003470

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4481-05LX5 Acquired: 11/13/2011 18:22:52 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TC1L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.001408	F-1.00818	3.309562
Stddev	.000521	.78262	.035946
%RSD	37.04455	77.62723	1.086118
#1	-.001286	-1.69055	3.347844
#2	-.000958	-.15389	3.304313
#3	-.001979	-1.18010	3.276530

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	434.5472	5423.596	107552.6	21411.92	5947.209
Stddev	1.9490	15.202	350.6	107.46	11.078
%RSD	.4485144	.2802867	.3259385	.5018658	.1862643
#1	436.1893	5426.466	107666.8	21291.74	5952.394
#2	432.3934	5407.164	107831.9	21445.27	5934.490
#3	435.0588	5437.158	107159.3	21498.74	5954.743

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4481-06 Acquired: 11/13/2011 18:26:16 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TC1D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011915	.0018291	.0027575	.0001628	-.000765	.1048784
Stddev	.0019344	.0008862	.0013841	.0008874	.000441	.0017846
%RSD	162.3496	48.45135	50.19359	544.9436	57.62189	1.701576
#1	.0023621	.0028180	.0040163	.0007600	-.000731	.1056435
#2	.0022535	.0011068	.0012753	.0005854	-.000343	.1028389
#3	-.001041	.0015625	.0029809	-.000857	-.001223	.1061529

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0288811	-.000061	.0000295	17.02857	-.001126	-.000181
Stddev	.0001328	.000013	.0000195	.08510	.000464	.000058
%RSD	.4597987	21.07627	66.01784	.4997283	41.24721	32.15485
#1	.0287428	-.000048	.0000520	16.93852	-.001298	-.000224
#2	.0290076	-.000074	.0000174	17.10765	-.000600	-.000204
#3	.0288929	-.000061	.0000192	17.03954	-.001479	-.000115

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001532	.4548827	.0476122	5.027279	.0012551	-.000089
Stddev	.000891	.0042634	.0004686	.022879	.0002949	.000132
%RSD	58.17731	.9372548	.9841885	.4551046	23.49932	147.5091
#1	-.001267	.4524257	.0473132	5.032402	.0012047	-.000090
#2	-.000804	.4598056	.0481523	5.047163	.0015720	.000043
#3	-.002526	.4524167	.0473712	5.002272	.0009886	-.000221

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.56640	.0013820	.0089539	1.887774	F-5.32981	.0266106
Stddev	.07146	.0002635	.0012491	.054605	.08919	.0012705
%RSD	.4313788	19.07023	13.94985	2.892557	1.673458	4.774235
#1	16.54274	.0016528	.0075931	1.949516	-5.42638	.0280174
#2	16.50976	.0013667	.0092204	1.845828	-5.31253	.0262676
#3	16.64669	.0011264	.0100482	1.867979	-5.25052	.0255469

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4481-06 Acquired: 11/13/2011 18:26:16 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TC1D Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003558	473.9628	2.250591	-.005171	.0017220	1.202788
Stddev	.0001691	2.6362	.002445	.000628	.0004119	.259058
%RSD	47.53520	.5561994	.1086530	12.14386	23.91882	21.53814
#1	.0004511	476.8163	2.250820	-.004447	.0021314	1.339533
#2	.0001605	473.4540	2.252914	-.005563	.0017269	1.364821
#3	.0004557	471.6182	2.248039	-.005503	.0013076	.904010

Elem	Sr4077
Units	ppm
Avg	F 16.48421
Stddev	.10142
%RSD	.6152702
#1	16.36725
#2	16.54780
#3	16.53759

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	424.9443	5234.419	103317.8	21016.17	5632.907
Stddev	3.7524	34.920	274.4	54.12	40.084
%RSD	.8830450	.6671226	.2656197	.2575267	.7116124
#1	421.7784	5203.202	103619.8	21038.02	5598.340
#2	423.9652	5227.925	103083.7	20954.54	5623.535
#3	429.0892	5272.130	103249.9	21055.95	5676.848

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4481-07 Acquired: 11/13/2011 18:29:38 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TC1S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0360513	.0470742	.0198592	.0456268	.0872173	1.820579
Stddev	.0019708	.0000885	.0006626	.0019978	.0009408	.004164
%RSD	5.466754	.1879467	3.336605	4.378522	1.078669	.2287014
#1	.0375964	.0470418	.0201282	.0453712	.0881633	1.816301
#2	.0367258	.0471743	.0203450	.0437691	.0862818	1.824619
#3	.0338318	.0470065	.0191044	.0477400	.0872069	1.820817

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.886469	.0440360	.0431075	17.70996	.1787275	.4299231
Stddev	.001904	.0001783	.0002037	.00873	.0027594	.0021033
%RSD	.1009229	.4048005	.4726296	.0493222	1.543914	.4892185
#1	1.888484	.0439778	.0433281	17.70027	.1755570	.4323475
#2	1.884700	.0442361	.0430678	17.71236	.1805868	.4288349
#3	1.886222	.0438941	.0429264	17.71724	.1800387	.4285868

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2272728	1.353934	.5034490	5.088783	.4411941	.0426025
Stddev	.0008238	.005311	.0019024	.046509	.0015764	.0000915
%RSD	.3624534	.3922770	.3778722	.9139441	.3572962	.2147003
#1	.2265458	1.349513	.5019568	5.051510	.4430068	.0425311
#2	.2271050	1.352464	.5055912	5.140902	.4401451	.0425707
#3	.2281675	1.359826	.5027989	5.073936	.4404302	.0427056

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.69711	.4556530	.4497650	1.911297	F-5.32520	.0262036
Stddev	.21326	.0029146	.0019371	.007937	.01707	.0029575
%RSD	1.277256	.6396530	.4307006	.4152585	.3205381	11.28664
#1	16.94237	.4531996	.4510751	1.902386	-5.30560	.0291841
#2	16.59368	.4588748	.4506800	1.913899	-5.33676	.0261570
#3	16.55529	.4548846	.4475398	1.917606	-5.33325	.0232696

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4481-07 Acquired: 11/13/2011 18:29:38 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TC1S Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002084	479.8999	2.268807	-.004773	.0021882	1.059993
Stddev	.0001747	1.5015	.016018	.000302	.0005234	.488157
%RSD	83.82682	.3128789	.7059902	6.333120	23.91981	46.05286
#1	.0004032	481.6131	2.254044	-.004674	.0022652	.995115
#2	.0000655	479.2741	2.285838	-.005112	.0026689	1.577344
#3	.0001566	478.8125	2.266539	-.004532	.0016306	.607519

Elem	Sr4077
Units	ppm
Avg	F 16.94969
Stddev	.06455
%RSD	.3808401
#1	16.92262
#2	17.02337
#3	16.90308

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	426.9708	5239.051	103063.7	21120.76	5640.086
Stddev	3.7894	18.548	461.8	93.51	17.561
%RSD	.8875015	.3540402	.4481012	.4427437	.3113527
#1	423.5127	5225.048	102867.7	21186.51	5619.849
#2	426.3781	5260.087	102732.2	21013.71	5651.309
#3	431.0216	5232.017	103591.2	21162.06	5649.099

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4481-08 Acquired: 11/13/2011 18:32:56 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TE9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007954	.0003343	.0024117	.0000491	-.001851	.0752393
Stddev	.0024922	.0009791	.0003654	.0007097	.000420	.0033907
%RSD	313.3374	292.8854	15.14938	1446.155	22.70749	4.506521
#1	.0012823	.0012651	.0025359	-.000682	-.001719	.0788038
#2	-.001904	-.000687	.0026988	.000735	-.002322	.0720543
#3	.003008	.000425	.0020005	.000094	-.001513	.0748600

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0332720	.0000907	.0000365	20.09342	.0010871	-.000402
Stddev	.0004078	.0000323	.0000506	.04079	.0006749	.000089
%RSD	1.225756	35.59352	138.3937	.2029768	62.08187	22.03733
#1	.0329530	.0000866	.0000320	20.04890	.0012737	-.000398
#2	.0331316	.0001249	.0000892	20.12897	.0003386	-.000316
#3	.0337315	.0000607	-.000012	20.10241	.0016491	-.000493

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004977	.4809464	.0670455	5.377034	.0014182	-.000085
Stddev	.0012785	.0014526	.0003540	.009666	.0001560	.000359
%RSD	256.8678	.3020217	.5280331	.1797733	10.99986	421.7583
#1	.0000734	.4826195	.0673214	5.370828	.0013560	-.000249
#2	-.000515	.4800072	.0666463	5.388172	.0013030	.000326
#3	.001934	.4802125	.0671689	5.372103	.0015958	-.000332

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.82167	.0017459	.0092736	1.966188	F-5.78841	.0262542
Stddev	.08696	.0008782	.0006001	.027652	.08612	.0039615
%RSD	.5169542	50.29951	6.471364	1.406396	1.487815	15.08910
#1	16.78729	.0007736	.0090950	1.983088	-5.85393	.0300289
#2	16.75716	.0024815	.0087831	1.934276	-5.82043	.0266046
#3	16.92057	.0019825	.0099428	1.981199	-5.69086	.0221292

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4481-08 Acquired: 11/13/2011 18:32:56 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TE9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004049	484.0092	2.282659	-.004772	.0007042	1.175003
Stddev	.0002367	8.2603	.012184	.000328	.0004903	.294917
%RSD	58.46184	1.706633	.5337630	6.877399	69.63297	25.09922
#1	.0002906	481.3697	2.296182	-.004596	.0001745	.999217
#2	.0006770	493.2666	2.272535	-.004570	.0007956	1.010308
#3	.0002470	477.3913	2.279261	-.005151	.0011424	1.515483

Elem	Sr4077
Units	ppm
Avg	F 18.08997
Stddev	.03494
%RSD	.1931276
#1	18.11659
#2	18.05041
#3	18.10292

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	422.5938	5164.669	103077.0	21062.83	5565.161
Stddev	1.4702	64.799	119.0	53.14	75.374
%RSD	.3479000	1.254652	.1154902	.2523145	1.354393
#1	421.2954	5198.717	103105.2	21009.48	5600.417
#2	424.1902	5089.944	103179.4	21063.26	5478.620
#3	422.2959	5205.346	102946.4	21115.76	5616.446

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4481-09 Acquired: 11/13/2011 18:36:18 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TF1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013306	.0004503	.0025155	.0003208	.0004078	.1017662
Stddev	.0006886	.0007621	.0010022	.0010461	.0008074	.0023294
%RSD	51.75214	169.2480	39.84209	326.1020	198.0057	2.288951
#1	.0006768	-.000373	.0035371	.0003210	.0003720	.1018210
#2	.0020494	.000592	.0024756	-.000725	.0012324	.0994099
#3	.0012656	.001132	.0015339	.001367	-.000381	.1040677

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0280829	-.000052	.0000492	17.27384	-.000046	-.000285
Stddev	.0004663	.000161	.0000793	.10411	.000061	.000116
%RSD	1.660430	311.3630	161.0484	.6026900	132.1704	40.76214
#1	.0286165	.000116	-.000041	17.37790	-.000112	-.000265
#2	.0277541	-.000067	.000081	17.16968	-.000033	-.000409
#3	.0278780	-.000205	.000108	17.27394	.000007	-.000180

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001458	.4118980	.0444446	4.984512	.0011302	-.000227
Stddev	.000728	.0008226	.0002504	.059418	.0001360	.000287
%RSD	49.94887	.1997194	.5633022	1.192049	12.03693	126.4728
#1	-.002028	.4122138	.0442219	5.030528	.0012822	-.000557
#2	-.000638	.4125160	.0443964	4.917432	.0010198	-.000095
#3	-.001708	.4109643	.0447156	5.005577	.0010886	-.000030

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.48527	.0015276	.0077445	1.872540	F-5.61426	.0246509
Stddev	.07378	.0012312	.0022383	.035454	.05324	.0020778
%RSD	.4475489	80.59863	28.90161	1.893340	.9483227	8.428792
#1	16.56899	.0029340	.0094938	1.888609	-5.64895	.0230369
#2	16.45706	.0006444	.0052222	1.831897	-5.55296	.0239206
#3	16.42975	.0010043	.0085176	1.897114	-5.64086	.0269952

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4481-09 Acquired: 11/13/2011 18:36:18 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TF1 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002836	481.1259	2.239377	-.005068	.0014270	1.084975
Stddev	.0003468	.0523	.019677	.000409	.0005877	.473747
%RSD	122.2737	.0108648	.8786675	8.069844	41.18468	43.66434
#1	.0006255	481.1673	2.262093	-.005323	.0020724	1.541347
#2	-.000068	481.0672	2.228435	-.005285	.0012857	1.117996
#3	.000293	481.1432	2.227604	-.004596	.0009228	.595581

Elem	Sr4077
Units	ppm
Avg	F 16.33662
Stddev	.19538
%RSD	1.195989
#1	16.54735
#2	16.30106
#3	16.16146

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	428.8767	5185.275	103153.7	21390.88	5617.986
Stddev	4.7075	14.986	410.4	170.05	9.174
%RSD	1.097631	.2890182	.3978145	.7949622	.1632900
#1	424.0358	5182.145	103467.7	21205.83	5608.486
#2	433.4383	5201.579	103304.0	21540.27	5626.794
#3	429.1559	5172.100	102689.4	21426.54	5618.677

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4481-10 Acquired: 11/13/2011 18:39:40 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TG3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003186	.0006371	.0032124	-.001343	-.000961	.1054622
Stddev	.0004374	.0006918	.0007397	.002138	.000383	.0045990
%RSD	137.3212	108.5840	23.02634	159.1337	39.85441	4.360844
#1	.0008236	-.000052	.0037407	-.002438	-.001391	.1081621
#2	.0000715	.000633	.0035293	-.002713	-.000655	.1001519
#3	.0000606	.001331	.0023670	.001120	-.000839	.1080725

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0282451	-.000033	.0000875	17.07218	.0003001	-.000319
Stddev	.0003975	.000010	.0000696	.07465	.0012362	.000206
%RSD	1.407284	29.45448	79.62576	.4372802	411.9408	64.43875
#1	.0286414	-.000023	.0000884	17.15391	.0002943	-.000199
#2	.0278464	-.000035	.0000174	17.00757	.0015392	-.000202
#3	.0282475	-.000042	.0001567	17.05506	-.000933	-.000557

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001293	.4457225	.0482655	5.042161	.0011289	-.000328
Stddev	.001473	.0046961	.0003793	.024233	.0002654	.000080
%RSD	113.8887	1.053601	.7858190	.4806008	23.50650	24.54328
#1	-.000744	.4502404	.0478813	5.069738	.0012687	-.000400
#2	-.000174	.4408664	.0482755	5.032477	.0008228	-.000241
#3	-.002962	.4460607	.0486397	5.024268	.0012950	-.000342

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.58034	.0010177	.0100255	1.851340	F-5.30890	.0251924
Stddev	.12866	.0008965	.0001978	.028758	.03697	.0028943
%RSD	.7759891	88.08970	1.972713	1.553381	.6963385	11.48882
#1	16.72777	.0009996	.0100071	1.869773	-5.34461	.0263534
#2	16.52249	.0019231	.0098376	1.866044	-5.27079	.0218979
#3	16.49076	.0001304	.0102318	1.818202	-5.31129	.0273260

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4481-10 Acquired: 11/13/2011 18:39:40 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TG3 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002279	473.5425	2.271794	-.004376	.0011836	1.232526
Stddev	.0002394	.6490	.023920	.000527	.0003348	.163752
%RSD	105.0789	.1370457	1.052914	12.03935	28.28891	13.28586
#1	.0003440	474.2240	2.298108	-.004935	.0008535	1.383586
#2	.0003871	473.4717	2.251368	-.003888	.0011742	1.058506
#3	-.000047	472.9318	2.265906	-.004305	.0015230	1.255485

Elem	Sr4077
Units	ppm
Avg	F 16.55658
Stddev	.11159
%RSD	.6740196
#1	16.66856
#2	16.44538
#3	16.55579

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	424.8973	5233.653	103558.4	21080.02	5649.288
Stddev	3.0148	10.786	479.0	107.57	6.507
%RSD	.7095305	.2060880	.4625235	.5102726	.1151899
#1	422.0623	5241.953	103868.2	20961.60	5652.864
#2	428.0644	5237.544	103800.3	21171.68	5653.223
#3	424.5651	5221.461	103006.7	21106.77	5641.777

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4481-11 Acquired: 11/13/2011 18:43:01 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TB9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014364	.0007215	.0078322	-.002228	-.001189	.1497701
Stddev	.0015655	.0010638	.0006962	.000415	.001004	.0009701
%RSD	108.9878	147.4374	8.889222	18.64299	84.39774	.6477066
#1	-.000342	-.000468	.0085845	-.002574	-.000657	.1508680
#2	.002606	.001053	.0072106	-.001767	-.000563	.1490290
#3	.002045	.001580	.0077015	-.002343	-.002347	.1494131

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0335033	.0000138	.0000606	18.90779	.0004143	-.000072
Stddev	.0004699	.0001554	.0000179	.05701	.0010090	.000038
%RSD	1.402397	1127.267	29.59732	.3015174	243.5495	53.73905
#1	.0338481	.0001914	.0000422	18.94954	.0008373	-.000061
#2	.0329681	-.000053	.0000780	18.84284	-.000737	-.000114
#3	.0336936	-.000097	.0000616	18.93099	.001143	-.000040

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001137	.6438176	.0713240	5.169022	.0016363	-.000226
Stddev	.000703	.0040531	.0004888	.035851	.0002615	.000169
%RSD	61.80887	.6295379	.6853006	.6935685	15.98249	74.54110
#1	-.000690	.6484962	.0718513	5.199699	.0017190	-.000275
#2	-.000774	.6413770	.0708860	5.129611	.0013434	-.000039
#3	-.001948	.6415796	.0712346	5.177755	.0018464	-.000365

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.80297	.0015409	.0147246	1.902517	F-6.66285	.0254211
Stddev	.05155	.0015267	.0012229	.020949	.05695	.0016966
%RSD	.3067652	99.08048	8.305173	1.101116	.8547981	6.674114
#1	16.83794	-.000054	.0160586	1.925632	-6.72766	.0236137
#2	16.82718	.001687	.0144585	1.884784	-6.64014	.0256701
#3	16.74377	.002989	.0136566	1.897135	-6.62076	.0269794

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4481-11 Acquired: 11/13/2011 18:43:01 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TB9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003065	482.1600	2.343929	-.004460	.0041599	1.639193
Stddev	.0002337	.3668	.021063	.000492	.0003981	.527529
%RSD	76.24257	.0760667	.8986305	11.02238	9.568935	32.18226
#1	.0000698	482.5612	2.367394	-.003897	.0045163	1.760472
#2	.0003126	481.8420	2.326656	-.004802	.0037304	1.061586
#3	.0005370	482.0767	2.337737	-.004682	.0042331	2.095521

Elem	Sr4077
Units	ppm
Avg	F 17.19056
Stddev	.17332
%RSD	1.008236
#1	17.37520
#2	17.03137
#3	17.16511

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	422.9102	5190.310	102234.6	20993.37	5605.984
Stddev	4.6155	10.686	574.2	121.10	12.226
%RSD	1.091355	.2058848	.5616324	.5768396	.2180916
#1	420.4817	5183.084	102121.6	20868.31	5596.094
#2	428.2329	5202.585	102857.0	21110.07	5619.654
#3	420.0160	5185.261	101725.4	21001.74	5602.203

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4481-12 Acquired: 11/13/2011 18:46:23 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TA3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008809	.0009333	.0014390	-.001699	-.001208	.0005484	.0001463
Stddev	.0015451	.0010649	.0010851	.000268	.000585	.0022492	.0000439
%RSD	175.4017	114.0995	75.40511	15.75371	48.37719	410.1170	30.00767
#1	-.000017	.0001768	.0005850	-.001397	-.001868	.0002051	.0000958
#2	.002665	.0004720	.0010720	-.001906	-.001001	-.001509	.0001751
#3	-.000005	.0021510	.0026601	-.001795	-.000756	.002950	.0001681

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000052	.0000266	.6457321	-.000550	.0001067	-.002156	.0081870
Stddev	.000123	.0000652	.0038650	.000620	.0001432	.000354	.0015102
%RSD	234.7056	245.1355	.5985481	112.7593	134.1700	16.40901	18.44591
#1	.000088	.0000241	.6467858	-.001261	-.000029	-.001874	.0065275
#2	-.000103	.0000930	.6414495	-.000272	.000256	-.002553	.0085528
#3	-.000142	-.000037	.6489610	-.000118	.000093	-.002042	.0094806

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003079	.0766141	-.000001	-.000354	.6720379	.0015526	.0021493
Stddev	.0000877	.0063598	.000138	.000145	.0926396	.0004260	.0016655
%RSD	28.49350	8.301059	14953.47	41.02682	13.78488	27.44209	77.48801
#1	.0003353	.0828154	-.000029	-.000519	.6927626	.0016381	.0002591
#2	.0002097	.0769199	-.000122	-.000294	.5707912	.0019294	.0027878
#3	.0003786	.0701069	.000148	-.000248	.7525598	.0010902	.0034011

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.105120	.0202606	.0010940	-.000328	2.366941	.0091340	-.005172
Stddev	.024384	.0659073	.0007630	.000186	.090632	.0058537	.000424
%RSD	23.19610	325.2971	69.74385	56.73269	3.829095	64.08675	8.203113
#1	-.133263	.0748668	.0004136	-.000196	2.471294	.0156349	-.004688
#2	-.090313	.0388639	.0009493	-.000541	2.321624	.0042807	-.005478
#3	-.091783	-.052949	.0019189	-.000247	2.307905	.0074864	-.005351

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4481-12 Acquired: 11/13/2011 18:46:23 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TA3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002073	F-2.01434	.3636616
Stddev	.000183	.28514	.0042787
%RSD	8.824708	14.15547	1.176546
#1	-.002261	-1.99186	.3626921
#2	-.001896	-1.74111	.3683418
#3	-.002062	-2.31006	.3599509

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	425.8824	5400.414	105767.8	21087.80	5954.615
Stddev	2.2596	91.158	356.3	86.18	98.122
%RSD	.5305713	1.687983	.3368796	.4086745	1.647836
#1	426.8939	5505.485	106027.5	21154.39	6067.658
#2	427.4596	5353.340	105914.2	21118.54	5904.728
#3	423.2938	5342.417	105361.6	20990.46	5891.461

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4481-13 Acquired: 11/13/2011 18:49:50 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TA4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004548	.0008718	.0006777	-.000479	-.000747	.0065382	.0013912
Stddev	.0015110	.0006439	.0005818	.002978	.000426	.0027081	.0001118
%RSD	332.2101	73.86329	85.84620	622.0684	56.94603	41.42039	8.032673
#1	-.000634	.0004374	.0003124	-.003217	-.001233	.0042047	.0013360
#2	.002180	.0005664	.0013485	-.000910	-.000438	.0095077	.0015199
#3	-.000181	.0016116	.0003721	.002691	-.000571	.0059021	.0013179

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000082	-.000034	1.538558	-.000532	-.000058	-.001772	.0242113
Stddev	.000038	.000043	.004497	.000407	.000088	.001920	.0041516
%RSD	46.83729	124.0641	.2922768	76.47258	151.8909	108.3475	17.14729
#1	-.000077	-.000040	1.536766	-.000177	-.000136	-.003314	.0203323
#2	-.000046	.000011	1.535234	-.000443	.000037	.000379	.0285901
#3	-.000122	-.000074	1.543675	-.000977	-.000075	-.002382	.0237114

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003795	.0631372	.0002745	-.000145	.8748191	.0011247	.0039793
Stddev	.0000308	.0117809	.0002647	.000225	.1034850	.0005150	.0008095
%RSD	8.102902	18.65927	96.41926	155.1575	11.82930	45.79257	20.34295
#1	.0003539	.0498499	-.000006	.000056	.9941897	.0007766	.0033233
#2	.0003711	.0672557	.000309	-.000103	.8198394	.0008811	.0037307
#3	.0004136	.0723060	.000520	-.000388	.8104284	.0017163	.0048840

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.100715	-.373519	.0044204	-.000334	3.207445	.0115230	-.002382
Stddev	.007895	.035092	.0018705	.000159	.096563	.0070489	.000254
%RSD	7.838805	9.394907	42.31437	47.44613	3.010593	61.17240	10.65650
#1	-.108574	-.333017	.0050675	-.000152	3.185610	.0186992	-.002127
#2	-.092784	-.394827	.0058815	-.000413	3.313055	.0112611	-.002385
#3	-.100789	-.392712	.0023123	-.000439	3.123668	.0046087	-.002635

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4481-13 Acquired: 11/13/2011 18:49:50 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TA4 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.001520	F-1.44927	.5614354
Stddev	.000543	.47174	.0124051
%RSD	35.72853	32.55045	2.209529
#1	-.001636	-.95340	.5593826
#2	-.000928	-1.50196	.5501847
#3	-.001995	-1.89246	.5747387

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	432.6622	5380.704	106021.9	21182.02	5929.883
Stddev	4.5058	19.986	438.5	27.31	14.797
%RSD	1.041419	.3714355	.4136258	.1289272	.2495252
#1	434.6142	5357.768	106461.9	21158.26	5920.737
#2	435.8628	5389.959	106018.9	21211.86	5921.958
#3	427.5095	5394.385	105584.8	21175.96	5946.954

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4481-14 Acquired: 11/13/2011 18:53:16 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TA0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004915	-.000091	.0010823	-.001507	-.001493	.0020364	.0010832
Stddev	.0014373	.001314	.0015524	.000436	.000574	.0016640	.0001612
%RSD	292.4320	1446.517	143.4294	28.94921	38.47172	81.71240	14.88091
#1	-.000293	-.001602	-.000356	-.001626	-.000948	.0001233	.0011196
#2	-.000382	.000782	.000874	-.001872	-.002093	.0028386	.0009070
#3	.002150	.000548	.002728	-.001024	-.001437	.0031474	.0012231

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000050	-.000053	1.008539	-.001068	.0001167	-.001745	.0231532
Stddev	.000060	.000041	.007131	.001524	.0001134	.000868	.0008970
%RSD	119.3830	77.77172	.7070170	142.6841	97.12326	49.76324	3.874162
#1	-.000071	-.000100	1.003365	.000446	.0001885	-.002366	.0221340
#2	.000017	-.000026	1.005580	-.002601	.0001756	-.000753	.0238226
#3	-.000096	-.000032	1.016673	-.001049	-.000014	-.002115	.0235030

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005090	.1054900	.0003100	-.000239	.5054435	.0006645	.0027188
Stddev	.0000954	.0065695	.0000285	.000058	.0698559	.0002268	.0004715
%RSD	18.73675	6.227639	9.206593	24.47573	13.82071	34.12987	17.34353
#1	.0005506	.0980566	.0002801	-.000304	.5760472	.0008883	.0031106
#2	.0003999	.1105172	.0003369	-.000221	.5039231	.0006706	.0028502
#3	.0005765	.1078961	.0003131	-.000192	.4363602	.0004348	.0021955

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.112951	-.119329	-.000007	-.000237	1.636037	.0052176	-.004708
Stddev	.005353	.054539	.000969	.000168	.224284	.0053623	.000567
%RSD	4.739549	45.70491	14093.46	70.76672	13.70899	102.7736	12.04408
#1	-.108246	-.087728	.001052	-.000231	1.644262	.0111708	-.005336
#2	-.118776	-.182305	-.000849	-.000072	1.856095	.0037155	-.004235
#3	-.111832	-.087954	-.000224	-.000407	1.407753	.0007665	-.004551

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4481-14 Acquired: 11/13/2011 18:53:16 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TA0 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002026	-.719123	.5903634
Stddev	.000242	.356442	.0076461
%RSD	11.93875	49.56617	1.295156
#1	-.001774	-.757475	.5840508
#2	-.002049	-.345056	.5881741
#3	-.002256	-1.05484	.5988654

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	429.8549	5313.318	106396.9	21304.63	5866.007
Stddev	1.0591	43.615	172.6	130.10	46.067
%RSD	.2463774	.8208630	.1622670	.6106728	.7853181
#1	430.7938	5342.185	106392.8	21366.67	5901.212
#2	430.0640	5263.145	106571.5	21392.09	5813.870
#3	428.7068	5334.623	106226.3	21155.11	5882.939

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCV Acquired: 11/13/2011 18:56:43 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV20 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.950937	4.891940	24.01580	4.962797	4.950661	146.9406
Stddev	.006274	.009438	.04625	.012570	.016802	10.5673
%RSD	.1267204	.1929196	.1925747	.2532771	.3393869	7.191559
#1	4.951021	4.881480	23.97647	4.976945	4.968974	134.7388
#2	4.957168	4.894521	24.00418	4.952917	4.935957	153.1122
#3	4.944621	4.899818	24.06675	4.958530	4.947051	152.9708

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.650580	.4549360	2.406358	230.8144	14.98927	2.420552
Stddev	.602954	.0353955	.005709	17.3816	.21817	.002258
%RSD	6.247850	7.780324	.2372259	7.530542	1.455504	.0932785
#1	8.954675	.4141015	2.400137	210.7523	14.73891	2.420590
#2	10.01698	.4768540	2.407582	241.3483	15.13866	2.418275
#3	9.98009	.4738524	2.411355	240.3427	15.09026	2.422790

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.68893	F133.8963	13.70949	F218.7410	2.435992	1.186571
Stddev	1.02882	10.0791	1.01710	16.5891	.002615	.003104
%RSD	7.004053	7.527542	7.418958	7.583902	.1073296	.2615645
#1	13.50095	122.2585	12.53528	199.5857	2.433492	1.187348
#2	15.28145	139.8127	14.31704	228.3955	2.435776	1.189212
#3	15.28438	139.6176	14.27615	228.2417	2.438708	1.183153

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	141.6818	2.344068	13.63569	141.3258	F-145.476	4.665634
Stddev	9.5943	.163275	.91107	9.4368	.538	.317850
%RSD	6.771751	6.965467	6.681473	6.677334	.3697840	6.812575
#1	130.6061	2.155595	12.59011	130.4291	-145.866	4.298660
#2	147.4367	2.442471	14.05793	146.7715	-144.862	4.844020
#3	147.0027	2.434137	14.25904	146.7768	-145.699	4.854223

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCV Acquired: 11/13/2011 18:56:43 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV20 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.114593	238.0355	4.767454	4.909831	4.783552	F2895.354
Stddev	.011586	.0806	.351905	.012132	.347714	188.033
%RSD	.2265275	.0338638	7.381400	.2470995	7.268943	6.494309
#1	5.127952	237.9586	4.361127	4.896697	4.382066	2678.660
#2	5.108548	238.0287	4.967399	4.912176	4.987680	3015.509
#3	5.107280	238.1194	4.973838	4.920618	4.980910	2991.892

Elem	Sr4077
Units	ppm
Avg	F440.3319
Stddev	28.4938
%RSD	6.470974
#1	407.7171
#2	452.8844
#3	460.3942

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	385.7039	4556.976	90501.68	19983.81	4408.678
Stddev	19.8507	22.595	487.65	1219.75	11.869
%RSD	5.146610	.4958431	.5388275	6.103666	.2692261
#1	408.5828	4531.077	90223.80	21390.37	4395.031
#2	375.4750	4567.188	90216.49	19217.44	4414.405
#3	373.0539	4572.662	91064.76	19343.64	4416.598

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCB Acquired: 11/13/2011 19:00:03 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB20 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017292	.0049443	.0001509	-.000058	-.000526	.0105869
Stddev	.0013245	.0015579	.0013051	.002140	.000379	.0101625
%RSD	76.59804	31.50885	864.8227	3710.126	72.10422	95.99148
#1	.0025089	.0066246	-.000341	.002366	-.000900	.0222104
#2	.0001999	.0046607	-.000837	-.001688	-.000141	.0061709
#3	.0024788	.0035478	.001630	-.000851	-.000537	.0033794

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001488	-.000091	-.000028	-.008508	-.000059	.0001312
Stddev	.000253	.000085	.000068	.003420	.000616	.0001207
%RSD	17.02798	93.50404	246.1696	40.20306	1052.797	91.94026
#1	-.001382	-.000013	-.000031	-.011635	-.000767	.0000744
#2	-.001305	-.000182	.000042	-.009032	.000237	.0002699
#3	-.001777	-.000078	-.000094	-.004855	.000354	.0000495

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.003059	.0190265	-.000203	.0114112	-.000112	-.000038
Stddev	.000328	.0260532	.000162	.0125406	.000257	.000126
%RSD	10.71255	136.9312	79.59801	109.8978	230.6433	334.6565
#1	-.003433	.0490784	-.000230	.0106462	-.000284	-.000149
#2	-.002920	.0051960	-.000030	-.000729	.000184	.000100
#3	-.002823	.0028050	-.000350	.024317	-.000234	-.000064

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1412565	.0020059	.0011237	.0694344	.2514564	.0067170
Stddev	.0783532	.0013343	.0012079	.0100193	.0953468	.0010538
%RSD	55.46871	66.51943	107.4887	14.42985	37.91784	15.68850
#1	.1733482	.0035459	.0025042	.0660300	.2137520	.0079338
#2	.0519522	.0011953	.0002610	.0615610	.1807272	.0061070
#3	.1984693	.0012764	.0006060	.0807123	.3598898	.0061102

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCB Acquired: 11/13/2011 19:00:03 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB20 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0053598	-.032089	.0191111	.0003245	-.001809	F.7419885
Stddev	.0013116	.151202	.0088149	.0005946	.000971	.5147718
%RSD	24.47209	471.1968	46.12431	183.2219	53.65709	69.37732
#1	.0067063	.126040	.0288095	.0010004	-.001316	.6966374
#2	.0052870	-.047055	.0115864	-.000118	-.001184	1.277935
#3	.0040861	-.175251	.0169375	.000091	-.002928	.251393

Elem	Sr4077
Units	ppm
Avg	.0065933
Stddev	.0019687
%RSD	29.85875
#1	.0086517
#2	.0047287
#3	.0063994

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	424.1198	5378.797	105343.6	20783.40	5818.817
Stddev	7.4012	16.262	1641.8	118.41	12.034
%RSD	1.745071	.3023278	1.558536	.5697331	.2068081
#1	422.0028	5360.407	105604.7	20682.77	5806.136
#2	418.0078	5391.278	106839.2	20753.55	5830.077
#3	432.3488	5384.706	103586.9	20913.88	5820.238

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: PB59137BL Acquired: 11/13/2011 19:03:29 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: PBS01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000082	.0016073	-.000017	-.000142	-.000062	-.000121	-.001488
Stddev	.000448	.0009088	.000669	.000269	.000513	.002018	.000292
%RSD	543.8301	56.53916	4037.655	189.6802	828.0982	1664.316	19.59806
#1	-.000359	.0023053	.000655	-.000442	.000521	-.001219	-.001251
#2	-.000322	.0019369	-.000683	.000078	-.000444	-.001352	-.001814
#3	.000434	.0005797	-.000021	-.000061	-.000263	.002207	-.001399

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000115	.0000100	-.006046	.0000680	.0002400	-.004316	.0012204
Stddev	.000027	.0000692	.004710	.0006591	.0001770	.000900	.0024233
%RSD	23.30347	694.0138	77.89085	968.6707	73.73143	20.86399	198.5740
#1	-.000144	.0000276	-.010699	.0008288	.0004441	-.003778	.0002588
#2	-.000091	-.000066	-.001282	-.000329	.0001295	-.005355	-.000575
#3	-.000111	.000069	-.006159	-.000296	.0001464	-.003815	.003977

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000203	-.011611	-.000369	-.000305	.1249245	-.000582	-.000793
Stddev	.000094	.010575	.000052	.000396	.0544323	.000869	.001121
%RSD	46.09734	91.07731	14.01218	130.1449	43.57215	149.3613	141.3921
#1	-.000167	-.023801	-.000368	-.000757	.0803317	-.000012	.000264
#2	-.000309	-.006127	-.000318	-.000021	.1855808	-.000151	-.001969
#3	-.000133	-.004904	-.000421	-.000135	.1088609	-.001583	-.000674

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0609960	.2005457	.0030776	.0012164	.0199138	.0174876	.0000677
Stddev	.0145889	.0924939	.0002552	.0002747	.1154859	.0065317	.0011698
%RSD	23.91781	46.12112	8.291887	22.58329	579.9276	37.35018	1728.174
#1	.0757428	.2371604	.0027831	.0012529	-.065813	.0249867	-.001028
#2	.0606750	.2691271	.0032335	.0014710	.151237	.0144345	-.000068
#3	.0465703	.0953497	.0032162	.0009252	-.025682	.0130416	.001300

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: PB59137BL Acquired: 11/13/2011 19:03:29 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: PBS01 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002977	F-.758697	-.001394
Stddev	.000314	.823235	.006690
%RSD	10.56280	108.5064	479.9007
#1	-.002975	-1.47005	-.006930
#2	-.003293	.14305	.006040
#3	-.002664	-.94909	-.003292

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	426.2577	5428.573	102167.1	20771.33	5878.533
Stddev	6.2842	14.665	5249.6	191.86	23.206
%RSD	1.474263	.2701532	5.138288	.9236943	.3947565
#1	419.6090	5428.290	104463.7	20580.72	5873.508
#2	432.0994	5443.378	105877.1	20964.42	5903.840
#3	427.0646	5414.051	96160.5	20768.83	5858.252

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: PB59137BS Acquired: 11/13/2011 19:06:55 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: LCS01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0198661	.0528419	.0204275	.0669349	.1120970	.3805286	.4030874
Stddev	.0007916	.0002655	.0007784	.0010323	.0012767	.0049153	.0021524
%RSD	3.984730	.5024245	3.810691	1.542171	1.138920	1.291707	.5339784
#1	.0205300	.0525354	.0210660	.0676432	.1114747	.3787817	.4055552
#2	.0189900	.0529917	.0195604	.0674111	.1135655	.3767254	.4015976
#3	.0200785	.0529987	.0206562	.0657506	.1112508	.3860787	.4021096

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0093612	.0096037	9.677629	.0187531	.0886965	.0466241	.1980126
Stddev	.0001665	.0001065	.015914	.0004451	.0001490	.0008254	.0036317
%RSD	1.778948	1.108417	.1644437	2.373565	.1680235	1.770245	1.834075
#1	.0094088	.0095206	9.674512	.0188003	.0885868	.0473043	.2014517
#2	.0091760	.0095668	9.663504	.0182862	.0886365	.0468621	.1983712
#3	.0094986	.0097237	9.694871	.0191726	.0888662	.0457059	.1942149

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0310230	8.763644	.0776987	.0190274	9.878175	.0928876	.1144588
Stddev	.0002860	.010631	.0000534	.0000906	.052210	.0011016	.0031057
%RSD	.9218668	.1213134	.0686741	.4762715	.5285351	1.185957	2.713355
#1	.0308761	8.756468	.0777478	.0189296	9.820699	.0932315	.1123894
#2	.0313526	8.758605	.0777063	.0190440	9.891157	.0916551	.1129572
#3	.0308403	8.775858	.0776419	.0191085	9.922668	.0937763	.1180299

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.534207	.1410233	.0021493	.0003362	-.161547	.0054295	-.000407
Stddev	.017973	.0552034	.0016916	.0000417	.067040	.0070498	.000634
%RSD	.1885082	39.14486	78.70748	12.39037	41.49845	129.8428	155.8053
#1	9.553572	.0803287	.0026039	.0003646	-.232670	.0135620	.000106
#2	9.518061	.1545024	.0035671	.0002884	-.099520	.0010543	-.000211
#3	9.530988	.1882388	.0002768	.0003556	-.152451	.0016721	-.001116

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: PB59137BS Acquired: 11/13/2011 19:06:55 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: LCS01 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002268	.1831623	.1964702
Stddev	.000266	.2406323	.0054468
%RSD	11.72613	131.3766	2.772318
#1	-.002441	.2083258	.1907541
#2	-.001962	.4102241	.2016003
#3	-.002401	-.069063	.1970562

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	421.3649	5299.496	103792.0	20425.48	5607.962
Stddev	1.6858	28.001	523.9	58.00	7.625
%RSD	.4000751	.5283668	.5048037	.2839395	.1359627
#1	423.2654	5269.971	103986.4	20369.47	5601.814
#2	420.0500	5302.846	103198.6	20421.69	5605.579
#3	420.7792	5325.671	104190.9	20485.27	5616.494

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-01 Acquired: 11/13/2011 19:10:18 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R59 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1707112	-.004257	.8686269	.0037791	.0099944	81.06488
Stddev	.0012864	.001083	.0066192	.0030340	.0010662	.12370
%RSD	.7535522	25.43315	.7620348	80.28327	10.66777	.1525994
#1	.1720552	-.005267	.8757876	.0060572	.0108518	80.98979
#2	.1694914	-.003114	.8627319	.0049451	.0103307	80.99719
#3	.1705869	-.004389	.8673613	.0003351	.0088006	81.20766

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9037642	.0081568	.0293693	12.33686	.4983354	.0917303
Stddev	.0015937	.0000301	.0002512	.00243	.0043523	.0005816
%RSD	.1763392	.3692306	.8553638	.0196783	.8733575	.6339982
#1	.9055915	.0081910	.0296588	12.33917	.4942226	.0922688
#2	.9030387	.0081343	.0292093	12.33707	.4978905	.0918086
#3	.9026623	.0081451	.0292398	12.33433	.5028930	.0911136

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4437090	162.0432	2.220173	21.72758	.1879991	.0032229
Stddev	.0041661	.0250	.002371	.01734	.0010377	.0001989
%RSD	.9389290	.0154219	.1068062	.0798082	.5519602	6.170075
#1	.4484840	162.0216	2.219850	21.71774	.1891966	.0032700
#2	.4408155	162.0706	2.217980	21.71739	.1873634	.0030048
#3	.4418276	162.0374	2.222690	21.74760	.1874374	.0033941

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.774975	.2362133	2.924285	7.068290	F-375.575	.0413427
Stddev	.038373	.0013795	.014578	.039082	2.234	.0024243
%RSD	2.161909	.5839998	.4985289	.5529269	.5949008	5.863784
#1	1.749507	.2364407	2.916316	7.104687	-378.121	.0437691
#2	1.819110	.2374650	2.941111	7.073196	-374.664	.0413382
#3	1.756307	.2347343	2.915429	7.026986	-373.940	.0389207

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-01 Acquired: 11/13/2011 19:10:18 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R59 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0050872	1327.297	2.486276	.0411476	2.714940	191.2408
Stddev	.0002489	9.286	.014590	.0006469	.005146	.3445
%RSD	4.892790	.6996048	.5868019	1.572265	.1895334	.1801346
#1	.0053265	1337.697	2.490287	.0417013	2.712524	191.3232
#2	.0051053	1324.354	2.470100	.0413050	2.711447	191.5367
#3	.0048297	1319.838	2.498440	.0404365	2.720849	190.8626

Elem	Sr4077
Units	ppm
Avg	F20.87835
Stddev	.07180
%RSD	.3438738
#1	20.95494
#2	20.86754
#3	20.81258

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	443.6777	5386.701	106569.7	22031.45	5295.345
Stddev	4.6577	42.536	239.0	188.95	45.793
%RSD	1.049798	.7896506	.2242667	.8576161	.8647797
#1	440.2423	5337.585	106424.9	21834.96	5242.698
#2	441.8116	5411.173	106438.6	22047.56	5317.405
#3	448.9791	5411.346	106845.6	22211.82	5325.933

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-02 Acquired: 11/13/2011 19:13:34 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R60 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0235490	-.005382	.0825925	-.004845	.0048711	94.35186
Stddev	.0003097	.002138	.0009642	.001235	.0010810	.38116
%RSD	1.315110	39.72197	1.167400	25.50012	22.19267	.4039783
#1	.0235673	-.007839	.0837021	-.006050	.0061184	93.92614
#2	.0232305	-.004359	.0819580	-.003581	.0042051	94.66145
#3	.0238491	-.003947	.0821176	-.004903	.0042898	94.46799

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7250441	.0072165	.0099920	12.67597	.2454199	.0649089
Stddev	.0025281	.0000660	.0001302	.12625	.0033443	.0009838
%RSD	.3486764	.9149938	1.302840	.9959907	1.362689	1.515633
#1	.7230238	.0071704	.0101191	12.53490	.2420298	.0660207
#2	.7278790	.0071870	.0098590	12.77834	.2455136	.0641510
#3	.7242293	.0072922	.0099979	12.71468	.2487165	.0645549

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0332585	176.4618	1.989484	27.90563	.1233414	-.003610
Stddev	.0009630	1.2166	.011974	.28267	.0020341	.000188
%RSD	2.895528	.6894317	.6018562	1.012944	1.649148	5.201184
#1	.0337025	175.1698	1.976010	27.62475	.1255804	-.003416
#2	.0339194	177.5854	1.998907	28.19005	.1228364	-.003790
#3	.0321536	176.6303	1.993534	27.90209	.1216074	-.003624

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.078149	.2308213	.4198368	7.597522	F-168.397	.0400500
Stddev	.020351	.0019713	.0024949	.043408	1.813	.0004662
%RSD	.9792661	.8540489	.5942463	.5713413	1.076540	1.163990
#1	2.073226	.2285953	.4169766	7.600847	-170.423	.0395349
#2	2.100510	.2323465	.4215649	7.639172	-166.926	.0404430
#3	2.060712	.2315220	.4209689	7.552548	-167.843	.0401721

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-02 Acquired: 11/13/2011 19:13:34 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R60 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000851	301.2949	2.016661	-.007045	3.350184	206.8530
Stddev	.000247	2.8715	.001428	.001362	.019613	.6113
%RSD	28.98612	.9530637	.0707924	19.33763	.5854329	.2955457
#1	-.000956	304.5378	2.015340	-.005532	3.329313	206.5607
#2	-.001027	299.0746	2.016468	-.008176	3.368234	207.5556
#3	-.000569	300.2725	2.018176	-.007427	3.353006	206.4427

Elem	Sr4077
Units	ppm
Avg	F 19.05885
Stddev	.05121
%RSD	.2686947
#1	19.00566
#2	19.10782
#3	19.06307

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	441.2850	5418.560	106377.5	21720.68	5275.000
Stddev	6.6174	60.691	371.0	92.87	57.364
%RSD	1.499572	1.120061	.3487904	.4275824	1.087470
#1	436.9765	5348.544	106806.0	21768.59	5208.876
#2	437.9742	5450.976	106161.7	21613.64	5311.437
#3	448.9044	5456.160	106164.9	21779.82	5304.687

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-03 Acquired: 11/13/2011 19:16:52 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R61 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0260607	-.005366	.1009001	-.005079	.0042935	105.3847
Stddev	.0027193	.000771	.0011227	.002798	.0014067	.3757
%RSD	10.43446	14.36215	1.112658	55.09578	32.76387	.3564946
#1	.0233052	-.006077	.0996266	-.002011	.0059177	105.5063
#2	.0287423	-.005476	.1013270	-.005735	.0034650	105.6846
#3	.0261344	-.004547	.1017467	-.007492	.0034977	104.9633

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8444812	.0084113	.0106461	13.59302	.2796746	.0823611
Stddev	.0043523	.0001473	.0000995	.03340	.0016029	.0003598
%RSD	.5153761	1.750714	.9348550	.2456839	.5731451	.4368563
#1	.8475370	.0085617	.0105544	13.58117	.2788854	.0827013
#2	.8464087	.0084049	.0107520	13.56716	.2815191	.0823976
#3	.8394981	.0082674	.0106321	13.63072	.2786193	.0819845

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0608807	181.1472	2.127545	31.62929	.1663439	-.004055
Stddev	.0008747	.3897	.002390	.07612	.0007544	.000010
%RSD	1.436776	.2151532	.1123529	.2406522	.4534995	.2438074
#1	.0600037	180.9413	2.124913	31.55570	.1672129	-.004058
#2	.0608851	180.9037	2.128142	31.62446	.1658571	-.004044
#3	.0617531	181.5968	2.129581	31.70770	.1659618	-.004064

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.054750	.2697952	.5089900	9.699412	F-171.578	.0487041
Stddev	.107322	.0020427	.0053483	.017580	.275	.0023461
%RSD	5.223115	.7571121	1.050763	.1812447	.1601955	4.817074
#1	2.177919	.2720928	.5149226	9.709116	-171.769	.0499137
#2	1.981329	.2681848	.5075096	9.710001	-171.263	.0501986
#3	2.005002	.2691079	.5045379	9.679119	-171.702	.0460001

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-03 Acquired: 11/13/2011 19:16:52 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R61 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002604	292.8088	2.531211	-.006868	3.793600	245.3451
Stddev	.0004726	.7155	.013399	.000520	.005456	1.0862
%RSD	181.5003	.2443652	.5293406	7.572618	.1438269	.4427071
#1	.0007868	292.0223	2.545307	-.006325	3.788533	246.4078
#2	-.000128	293.4212	2.529687	-.006918	3.792891	245.3905
#3	.000122	292.9830	2.518640	-.007361	3.799377	244.2369

Elem	Sr4077
Units	ppm
Avg	F22.19975
Stddev	.24502
%RSD	1.103718
#1	22.35605
#2	22.32584
#3	21.91736

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	450.2218	5522.021	108175.8	22061.47	5275.262
Stddev	6.9490	22.069	363.0	164.64	9.173
%RSD	1.543464	.3996584	.3355799	.7462599	.1738916
#1	442.1981	5496.870	107830.5	21881.12	5265.130
#2	454.1692	5538.148	108142.6	22099.60	5277.653
#3	454.2981	5531.046	108554.3	22203.70	5283.003

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-04 Acquired: 11/13/2011 19:20:10 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R62 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0269333	-.006029	.0753830	-.003523	.0031270	84.11435
Stddev	.0012465	.002055	.0004844	.002195	.0016505	.56159
%RSD	4.628013	34.07752	.6426413	62.32298	52.78048	.6676559
#1	.0258600	-.006771	.0755537	-.002039	.0020046	83.56936
#2	.0266394	-.007610	.0748363	-.006045	.0050221	84.69120
#3	.0283004	-.003707	.0757590	-.002485	.0023544	84.08248

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6624821	.0075242	.0096441	14.81041	.2280342	.0540857
Stddev	.0037378	.0000863	.0000132	.08719	.0005872	.0003195
%RSD	.5642158	1.147263	.1370630	.5886844	.2574940	.5907038
#1	.6597871	.0074833	.0096590	14.71077	.2283378	.0544277
#2	.6667492	.0074659	.0096338	14.87273	.2273574	.0537949
#3	.6609101	.0076233	.0096394	14.84772	.2284075	.0540345

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0511575	164.8551	2.709604	26.78280	.1444353	-.003479
Stddev	.0003036	.7441	.013975	.13997	.0002648	.000309
%RSD	.5933878	.4513418	.5157755	.5226061	.1833332	8.880105
#1	.0513468	164.0512	2.694057	26.62290	.1446087	-.003473
#2	.0513183	165.5196	2.721124	26.88310	.1441305	-.003173
#3	.0508074	164.9944	2.713631	26.84241	.1445668	-.003790

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.959885	.2113137	.4028365	10.71428	F-465.185	.0517352
Stddev	.042635	.0018949	.0028121	.02896	1.108	.0028300
%RSD	2.175372	.8967384	.6980776	.2702591	.2382755	5.470147
#1	1.927702	.2091257	.4034548	10.68943	-465.487	.0485552
#2	2.008240	.2123986	.3997668	10.74608	-463.957	.0539767
#3	1.943713	.2124169	.4052881	10.70733	-466.111	.0526738

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-04 Acquired: 11/13/2011 19:20:10 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R62 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000387	462.9250	2.638190	-.006557	3.500725	204.9390
Stddev	.000258	1.2131	.007397	.000901	.022426	1.3619
%RSD	66.56591	.2620514	.2803917	13.73592	.6405981	.6645264
#1	-.000620	462.8599	2.630812	-.007588	3.482127	204.0901
#2	-.000110	464.1693	2.645606	-.006158	3.525629	206.5099
#3	-.000432	461.7457	2.638151	-.005924	3.494420	204.2171

Elem	Sr4077
Units	ppm
Avg	F20.90758
Stddev	.12796
%RSD	.6120058
#1	20.79190
#2	21.04502
#3	20.88584

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	443.1207	5451.445	107322.7	21907.65	5310.172
Stddev	1.6738	9.795	61.2	64.48	9.090
%RSD	.3777400	.1796839	.0570480	.2943406	.1711860
#1	442.4076	5441.154	107269.2	21968.65	5300.360
#2	445.0330	5460.655	107309.3	21840.17	5311.852
#3	441.9215	5452.525	107389.5	21914.13	5318.306

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-05 Acquired: 11/13/2011 19:23:27 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R63 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1524521	-.003791	.8791997	.0040139	.0075546	63.10466
Stddev	.0012484	.001897	.0029324	.0028910	.0002848	.05252
%RSD	.8188934	50.03625	.3335289	72.02536	3.769395	.0832283
#1	.1534695	-.004200	.8761545	.0053125	.0074373	63.04556
#2	.1528278	-.001723	.8820044	.0007013	.0078792	63.12245
#3	.1510589	-.005451	.8794403	.0060278	.0073472	63.14598

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8186324	.0070768	.0240791	10.97441	.4661619	.0602362
Stddev	.0012105	.0001866	.0000754	.04859	.0034807	.0004045
%RSD	.1478713	2.636094	.3132258	.4427816	.7466797	.6714722
#1	.8200076	.0071333	.0239947	10.91844	.4628435	.0606405
#2	.8177278	.0072286	.0241399	11.00584	.4658572	.0598315
#3	.8181620	.0068685	.0241027	10.99894	.4697849	.0602367

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4322073	132.0036	1.759713	16.40164	.1298205	.0032132
Stddev	.0022076	.3930	.004470	.10238	.0004472	.0002390
%RSD	.5107728	.2977341	.2540112	.6242073	.3444740	7.437154
#1	.4329638	131.5819	1.755270	16.34176	.1299993	.0031875
#2	.4339372	132.0693	1.759659	16.51986	.1293115	.0034639
#3	.4297209	132.3597	1.764209	16.34331	.1301506	.0029881

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.680986	.1763700	2.406807	6.775105	F-474.188	.0374986
Stddev	.053015	.0020021	.036600	.005708	3.095	.0017881
%RSD	3.153777	1.135170	1.520691	.0842471	.6525999	4.768423
#1	1.741633	.1757940	2.444849	6.772415	-477.532	.0365994
#2	1.657877	.1747191	2.371843	6.781661	-471.426	.0395578
#3	1.643450	.1785970	2.403728	6.771240	-473.607	.0363385

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-05 Acquired: 11/13/2011 19:23:27 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R63 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023627	834.8242	2.386225	.0548227	1.998173	150.6121
Stddev	.0000665	1.4143	.009343	.0008848	.002692	1.0060
%RSD	2.815582	.1694129	.3915236	1.613859	.1347331	.6679517
#1	.0023161	836.2026	2.394738	.0557775	1.995085	151.0304
#2	.0024389	833.3765	2.387707	.0540305	1.999413	149.4645
#3	.0023332	834.8935	2.376230	.0546601	2.000023	151.3416

Elem	Sr4077
Units	ppm
Avg	F 17.16436
Stddev	.02318
%RSD	.1350460
#1	17.18778
#2	17.16387
#3	17.14143

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	434.2601	5431.446	106257.8	21552.68	5434.193
Stddev	7.2691	52.622	359.4	100.05	21.219
%RSD	1.673901	.9688474	.3382255	.4641883	.3904796
#1	425.8825	5371.119	105863.7	21440.62	5409.974
#2	437.9994	5467.900	106567.4	21584.38	5449.515
#3	438.8983	5455.320	106342.3	21633.03	5443.091

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-06 Acquired: 11/13/2011 19:26:44 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R64 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0358783	-.005135	.1107436	-.001660	.0045823	83.36035
Stddev	.0040336	.000789	.0007038	.002597	.0000391	.68112
%RSD	11.24254	15.37256	.6355212	156.4374	.8541364	.8170828
#1	.0391402	-.005780	.1108857	.000515	.0046228	82.95149
#2	.0371267	-.005370	.1099796	-.000960	.0045447	84.14664
#3	.0313681	-.004255	.1113655	-.004535	.0045794	82.98293

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7287174	.0068393	.0101121	12.10833	.2143817	.0877360
Stddev	.0052511	.0000790	.0000327	.07184	.0006643	.0002331
%RSD	.7205989	1.154985	.3235033	.5933023	.3098921	.2656919
#1	.7291901	.0069155	.0100762	12.06400	.2145725	.0879977
#2	.7337162	.0068445	.0101402	12.19122	.2136428	.0875506
#3	.7232459	.0067578	.0101200	12.06978	.2149297	.0876598

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0475000	158.7699	1.540521	23.12520	.1348161	-.003071
Stddev	.0005360	.7108	.011225	.09537	.0007267	.000092
%RSD	1.128505	.4477094	.7286592	.4123892	.5390580	2.981445
#1	.0469443	158.3212	1.531109	23.01516	.1355173	-.002973
#2	.0480139	159.5895	1.552945	23.18372	.1348647	-.003154
#3	.0475417	158.3990	1.537509	23.17672	.1340663	-.003086

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.195047	.2205030	.6687002	5.364032	F-191.984	.0408115
Stddev	.010756	.0015251	.0078530	.073329	.129	.0036435
%RSD	.4899924	.6916230	1.174370	1.367042	.0669814	8.927518
#1	2.207371	.2191951	.6625463	5.399686	-191.899	.0450163
#2	2.187556	.2221781	.6775449	5.412717	-191.922	.0385894
#3	2.190213	.2201358	.6660093	5.279695	-192.132	.0388288

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-06 Acquired: 11/13/2011 19:26:44 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R64 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009784	487.6871	2.477916	-.002520	2.420259	210.1445
Stddev	.0004301	1.5666	.009440	.000176	.014451	.9475
%RSD	43.95744	.3212224	.3809521	6.999001	.5970721	.4508620
#1	.0010555	489.2837	2.475296	-.002415	2.416278	210.6140
#2	.0013647	487.6251	2.488389	-.002724	2.436283	210.7655
#3	.0005150	486.1525	2.470064	-.002421	2.408216	209.0540

Elem	Sr4077
Units	ppm
Avg	F 18.24056
Stddev	.26324
%RSD	1.443152
#1	18.09465
#2	18.54444
#3	18.08259

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	444.7262	5502.422	107798.0	21905.43	5383.523
Stddev	5.0543	25.895	491.8	89.39	25.102
%RSD	1.136508	.4706114	.4561823	.4080866	.4662783
#1	440.2728	5476.734	107583.7	21899.20	5358.252
#2	443.6863	5502.011	107449.8	21819.31	5383.864
#3	450.2197	5528.520	108360.5	21997.77	5408.453

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-07 Acquired: 11/13/2011 19:30:01 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R65 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0302601	-.007203	.0912853	-.002019	.0031605	98.42805
Stddev	.0031423	.002012	.0021592	.002921	.0005801	.05323
%RSD	10.38431	27.92926	2.365314	144.6637	18.35305	.0540752
#1	.0302765	-.007871	.0893178	-.004788	.0025565	98.39626
#2	.0333942	-.008795	.0909427	-.002302	.0032118	98.48950
#3	.0271097	-.004942	.0935952	.001033	.0037132	98.39839

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7762860	.0077448	.0101525	14.95048	.2683652	.0624796
Stddev	.0016094	.0001013	.0001528	.06541	.0033659	.0014433
%RSD	.2073146	1.307649	1.504998	.4375006	1.254217	2.310063
#1	.7762738	.0078438	.0101380	14.91223	.2649453	.0617067
#2	.7746828	.0077492	.0100074	14.91321	.2716743	.0615873
#3	.7779014	.0076414	.0103120	15.02601	.2684760	.0641448

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0576532	167.3778	1.636530	28.60622	.1545905	-.003356
Stddev	.0008670	.6222	.003311	.17922	.0032320	.000051
%RSD	1.503802	.3717071	.2023067	.6265059	2.090684	1.524667
#1	.0567118	167.0793	1.635125	28.47331	.1527974	-.003310
#2	.0578291	166.9612	1.634153	28.53531	.1526526	-.003348
#3	.0584188	168.0930	1.640312	28.81005	.1583216	-.003411

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.278871	.2626105	.4748149	9.450482	F-222.680	.0468150
Stddev	.005380	.0005783	.0024099	.035523	3.434	.0035277
%RSD	.2360709	.2202285	.5075477	.3758863	1.541990	7.535315
#1	2.275030	.2626995	.4763638	9.490631	-221.203	.0502827
#2	2.285020	.2619928	.4720384	9.437686	-220.232	.0469319
#3	2.276563	.2631391	.4760425	9.423130	-226.605	.0432303

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-07 Acquired: 11/13/2011 19:30:01 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R65 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000133	248.5532	2.803389	-.005573	3.556344	213.9173
Stddev	.000297	5.5014	.013247	.001026	.009266	1.3386
%RSD	224.5085	2.213375	.4725512	18.41368	.2605469	.6257483
#1	-.000395	245.3892	2.814526	-.006721	3.559132	214.1686
#2	-.000193	245.3647	2.788739	-.005254	3.546005	212.4709
#3	.000191	254.9056	2.806900	-.004744	3.563896	215.1124

Elem	Sr4077
Units	ppm
Avg	F22.31774
Stddev	.09980
%RSD	.4471810
#1	22.21074
#2	22.40830
#3	22.33418

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	443.9376	5454.187	107483.1	22018.06	5259.424
Stddev	1.7755	68.348	517.5	75.19	80.709
%RSD	.3999480	1.253134	.4814907	.3414821	1.534554
#1	442.0348	5459.761	106895.3	21936.68	5280.266
#2	444.2281	5519.577	107683.9	22084.95	5327.667
#3	445.5500	5383.222	107870.1	22032.54	5170.338

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-08 Acquired: 11/13/2011 19:33:20 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R66 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0402494	-.004164	.0527577	-.001389	.0024559	72.48957
Stddev	.0037313	.001058	.0026371	.005148	.0008271	.32780
%RSD	9.270351	25.40258	4.998465	370.6842	33.67894	.4522091
#1	.0444976	-.003214	.0548374	-.001780	.0018182	72.11265
#2	.0375035	-.005303	.0497917	.003944	.0021591	72.70813
#3	.0387469	-.003974	.0536441	-.006330	.0033905	72.64792

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5127716	.0051751	.0065913	16.48247	.1890006	.0413663
Stddev	.0010594	.0001950	.0001107	.04100	.0037360	.0013486
%RSD	.2065962	3.768766	1.679051	.2487576	1.976729	3.260130
#1	.5136242	.0050707	.0066925	16.45427	.1871602	.0424461
#2	.5131050	.0054002	.0064731	16.46363	.1865418	.0398547
#3	.5115857	.0050545	.0066084	16.52950	.1932998	.0417980

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0482741	115.5148	1.701485	24.41501	.1049677	-.002284
Stddev	.0010658	.3385	.005699	.03825	.0026689	.000225
%RSD	2.207792	.2929955	.3349422	.1566712	2.542559	9.866431
#1	.0488014	115.2147	1.695548	24.37526	.1062992	-.002528
#2	.0489735	115.4481	1.701995	24.41820	.1018951	-.002240
#3	.0470475	115.8817	1.706912	24.45157	.1067089	-.002084

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.653492	.1854789	.3862590	8.253227	F-122.195	.0448736
Stddev	.066197	.0007363	.0021663	.028552	2.721	.0029695
%RSD	2.494711	.3970006	.5608286	.3459475	2.226563	6.617451
#1	2.690607	.1860096	.3883276	8.264104	-124.211	.0433515
#2	2.692805	.1857890	.3840068	8.220835	-119.100	.0429738
#3	2.577065	.1846383	.3864426	8.274742	-123.273	.0482956

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-08 Acquired: 11/13/2011 19:33:20 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R66 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008140	689.2116	2.443443	-.005911	3.128068	161.6560
Stddev	.0003055	17.6819	.000767	.000546	.005032	.8737
%RSD	37.53663	2.565522	.0314024	9.244389	.1608738	.5404440
#1	.0005324	702.0637	2.443010	-.005845	3.122260	162.6547
#2	.0011389	669.0463	2.444329	-.006487	3.131129	161.0330
#3	.0007707	696.5247	2.442990	-.005400	3.130814	161.2804

Elem	Sr4077
Units	ppm
Avg	F20.92299
Stddev	.10591
%RSD	.5061771
#1	20.90575
#2	21.03647
#3	20.82677

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	438.0484	5402.700	106364.9	21672.55	5430.623
Stddev	4.0835	100.002	562.4	48.95	119.147
%RSD	.9321974	1.850959	.5287692	.2258421	2.193988
#1	434.2971	5325.480	106705.1	21619.76	5331.025
#2	437.4501	5515.661	106673.9	21681.45	5562.618
#3	442.3980	5366.959	105715.7	21716.43	5398.227

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-09 Acquired: 11/13/2011 19:36:39 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R67 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2969192	-.013002	.1800433	.0106358	.0103401	155.0816
Stddev	.0037434	.001113	.0003145	.0054463	.0002784	2.5452
%RSD	1.260743	8.562724	.1747064	51.20704	2.692334	1.641196
#1	.3005503	-.013720	.1803010	.0044061	.0106544	152.2582
#2	.2971345	-.013566	.1796928	.0130055	.0101245	157.1999
#3	.2930729	-.011719	.1801362	.0144957	.0102414	155.7867

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.818859	.0162582	.0245575	70.27042	.4349948	.1092511
Stddev	.032055	.0003288	.0000219	1.41355	.0036854	.0010850
%RSD	1.762371	2.022125	.0891564	2.011592	.8472237	.9931757
#1	1.785512	.0161290	.0245531	68.68840	.4311017	.1105000
#2	1.849443	.0166319	.0245813	71.40935	.4354530	.1087132
#3	1.821623	.0160136	.0245382	70.71351	.4384296	.1085400

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1777394	F335.9776	8.403593	45.46621	.3067467	-.006190
Stddev	.0036582	6.6441	.160514	.87915	.0002886	.000340
%RSD	2.058200	1.977548	1.910069	1.933629	.0940876	5.485202
#1	.1749960	328.3661	8.224577	44.46690	.3070637	-.006450
#2	.1818929	340.6154	8.534693	46.12057	.3064992	-.006314
#3	.1763295	338.9514	8.451509	45.81115	.3066774	-.005806

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.897159	.4718924	.9457877	13.36762	F-550.582	.1485586
Stddev	.032691	.0084625	.0153894	.17832	2.658	.0026943
%RSD	.8388429	1.793306	1.627148	1.333960	.4827821	1.813625
#1	3.881061	.4621235	.9306252	13.16553	-553.525	.1454852
#2	3.875640	.4769774	.9453434	13.50281	-548.357	.1505134
#3	3.934778	.4765763	.9613943	13.43454	-549.863	.1496772

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-09 Acquired: 11/13/2011 19:36:39 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R67 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0082458	4536.959	2.424826	.0049734	4.257915	262.5340
Stddev	.0003378	10.189	.022422	.0010467	.072272	4.7171
%RSD	4.096135	.2245756	.9246907	21.04681	1.697354	1.796756
#1	.0079199	4548.717	2.399569	.0045050	4.175939	257.8029
#2	.0082234	4530.726	2.442384	.0042426	4.312435	267.2370
#3	.0085942	4531.434	2.432527	.0061725	4.285373	262.5620

Elem	Sr4077
Units	ppm
Avg	F97.33295
Stddev	1.59226
%RSD	1.635894
#1	95.94598
#2	99.07168
#3	96.98120

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	446.0519	5363.467	107345.5	22930.58	5018.467
Stddev	4.4495	41.377	413.3	313.05	34.005
%RSD	.9975335	.7714676	.3849740	1.365217	.6775890
#1	447.4746	5316.148	107406.0	23164.48	4980.916
#2	441.0650	5381.403	106905.3	22574.95	5027.306
#3	449.6161	5392.851	107725.2	23052.32	5047.180

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-10 Acquired: 11/13/2011 19:39:55 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R77 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0547160	-.005504	.4907624	.0028587	.0078796	50.48620
Stddev	.0037801	.001385	.0014456	.0026609	.0011709	.25197
%RSD	6.908492	25.16964	.2945548	93.07921	14.85993	.4990941
#1	.0555096	-.007039	.4891680	.0005173	.0086886	50.24287
#2	.0506022	-.005126	.4919876	.0057524	.0084133	50.74601
#3	.0580363	-.004347	.4911315	.0023065	.0065370	50.46973

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6103598	.0062784	.0181782	12.41579	.2860450	.0605677
Stddev	.0032846	.0000979	.0000553	.12016	.0012160	.0002151
%RSD	.5381384	1.559935	.3042629	.9678131	.4251052	.3551729
#1	.6117555	.0062057	.0181198	12.27899	.2846617	.0604323
#2	.6127161	.0063897	.0182297	12.46411	.2865275	.0604551
#3	.6066079	.0062397	.0181852	12.50426	.2869456	.0608157

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2839070	95.95803	1.209489	13.59848	.1308290	.0054662
Stddev	.0006519	.87607	.010558	.15424	.0001089	.0002343
%RSD	.2296136	.9129683	.8729127	1.134276	.0832187	4.286844
#1	.2840867	94.94827	1.197596	13.42141	.1309518	.0051984
#2	.2844502	96.41020	1.213115	13.67044	.1307440	.0055670
#3	.2831842	96.51563	1.217757	13.70360	.1307913	.0056334

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.498782	.2407780	1.851706	6.023966	F-299.642	.0336743
Stddev	.058763	.0007489	.005081	.038092	1.108	.0027726
%RSD	3.920707	.3110391	.2743871	.6323468	.3696391	8.233490
#1	1.489065	.2400591	1.847471	6.013743	-300.921	.0306252
#2	1.561797	.2407213	1.850308	6.066126	-298.995	.0343537
#3	1.445483	.2415537	1.857340	5.992027	-299.010	.0360440

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-10 Acquired: 11/13/2011 19:39:55 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R77 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0073319	2303.332	1.753596	.0225808	2.359714	124.4141
Stddev	.0001520	2.116	.004689	.0006127	.012243	1.0631
%RSD	2.072940	.0918806	.2674084	2.713326	.5188154	.8545175
#1	.0074729	2305.772	1.750481	.0225056	2.346035	124.8574
#2	.0071709	2302.226	1.758989	.0220092	2.369643	125.1838
#3	.0073520	2301.997	1.751318	.0232276	2.363465	123.2010

Elem	Sr4077
Units	ppm
Avg	F 17.08780
Stddev	.11364
%RSD	.6650596
#1	17.13985
#2	17.16610
#3	16.95746

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	428.9280	5395.924	106662.6	21502.94	5475.681
Stddev	4.1480	31.935	333.9	42.30	19.294
%RSD	.9670627	.5918334	.3130190	.1967355	.3523654
#1	424.6609	5359.051	106279.1	21526.89	5453.453
#2	429.1775	5414.017	106888.7	21454.09	5488.105
#3	432.9457	5414.704	106819.9	21527.84	5485.484

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-11 Acquired: 11/13/2011 19:43:13 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R78 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1016163	-.004566	.8900399	.0061673	.0128438	58.74847
Stddev	.0014318	.001069	.0115368	.0021432	.0007011	.22972
%RSD	1.409008	23.40594	1.296214	34.75127	5.458366	.3910257
#1	.1015721	-.004973	.8815552	.0084558	.0122720	58.82890
#2	.1002071	-.003354	.9031764	.0042073	.0136259	58.48935
#3	.1030696	-.005372	.8853881	.0058387	.0126334	58.92716

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7740750	.0094433	.0312650	11.77311	.6001728	.0758412
Stddev	.0018933	.0001319	.0005640	.03553	.0115908	.0009776
%RSD	.2445893	1.396465	1.803901	.3018305	1.931239	1.289038
#1	.7761777	.0093829	.0306931	11.77911	.5868185	.0750830
#2	.7735416	.0093526	.0318207	11.73495	.6060809	.0769446
#3	.7725055	.0095946	.0312811	11.80526	.6076192	.0754959

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4912592	117.5392	1.791367	14.08910	.1929313	.0106652
Stddev	.0013884	.1823	.003218	.06661	.0031533	.0002004
%RSD	.2826198	.1551020	.1796431	.4728117	1.634406	1.878674
#1	.4926880	117.4273	1.788818	14.03577	.1910181	.0107046
#2	.4899151	117.4407	1.790301	14.06776	.1965708	.0108429
#3	.4911746	117.7496	1.794983	14.16377	.1912050	.0104480

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.331712	.4188317	2.718339	6.004537	F-551.524	.0323669
Stddev	.094659	.0021593	.012906	.041268	6.167	.0006327
%RSD	7.108035	.5155550	.4747715	.6872776	1.118105	1.954896
#1	1.436747	.4166018	2.720053	5.964569	-548.980	.0319195
#2	1.253003	.4189804	2.704661	6.002051	-558.556	.0320903
#3	1.305386	.4209128	2.730301	6.046992	-547.037	.0330908

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-11 Acquired: 11/13/2011 19:43:13 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R78 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0087187	2604.456	2.003667	.0433302	3.120748	128.8760
Stddev	.0002610	33.842	.009554	.0003081	.006368	.3795
%RSD	2.994167	1.299371	.4768225	.7110911	.2040579	.2945033
#1	.0086964	2578.985	2.009214	.0434541	3.128025	129.1464
#2	.0089902	2642.856	1.992635	.0435570	3.118025	128.4421
#3	.0084695	2591.528	2.009152	.0429794	3.116195	129.0394

Elem	Sr4077
Units	ppm
Avg	F23.35740
Stddev	.07027
%RSD	.3008607
#1	23.37658
#2	23.27952
#3	23.41609

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	430.4006	5415.807	107900.5	21661.77	5441.878
Stddev	4.2875	52.075	1341.7	103.65	57.856
%RSD	.9961620	.9615461	1.243483	.4785057	1.063172
#1	425.4750	5411.280	109377.7	21542.08	5463.400
#2	432.4318	5366.143	106757.3	21722.21	5376.345
#3	433.2951	5469.998	107566.6	21721.01	5485.889

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-12 Acquired: 11/13/2011 19:46:29 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R79 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2098401	-.004528	1.146835	.0097427	.0136034	83.19236
Stddev	.0023698	.000534	.002212	.0008410	.0013407	.61751
%RSD	1.129341	11.79098	.1928474	8.632427	9.855451	.7422652
#1	.2105984	-.004949	1.147440	.0107126	.0121912	82.48037
#2	.2071839	-.004708	1.148681	.0092149	.0137601	83.51496
#3	.2117379	-.003928	1.144384	.0093007	.0148588	83.58176

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9071667	.0098393	.0454435	14.95264	.7070726	.1014694
Stddev	.0046110	.0001115	.0000268	.12565	.0069038	.0008750
%RSD	.5082872	1.132906	.0588951	.8403464	.9763929	.8623063
#1	.9018847	.0099314	.0454493	14.82151	.7030862	.1006759
#2	.9092276	.0097154	.0454670	14.96440	.7150445	.1024078
#3	.9103878	.0098712	.0454144	15.07199	.7030873	.1013245

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7324205	170.3221	3.028037	21.05009	.2411709	.0119669
Stddev	.0044733	1.0378	.020504	.12422	.0008881	.0003751
%RSD	.6107604	.6093026	.6771221	.5901111	.3682638	3.134361
#1	.7272893	169.3369	3.005617	20.92352	.2403017	.0117007
#2	.7354995	170.2238	3.032658	21.05494	.2420768	.0118041
#3	.7344728	171.4055	3.045836	21.17182	.2411342	.0123959

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.118501	.3297504	4.398735	8.604898	F-726.348	.0461080
Stddev	.027810	.0024929	.024840	.010175	3.163	.0036486
%RSD	1.312707	.7560106	.5647126	.1182469	.4354233	7.913151
#1	2.143412	.3271662	4.390642	8.611147	-726.318	.0468539
#2	2.088496	.3299444	4.378950	8.593157	-729.526	.0421441
#3	2.123596	.3321408	4.426612	8.610389	-723.201	.0493260

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-12 Acquired: 11/13/2011 19:46:29 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R79 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0072289	2181.237	2.352096	.0579348	3.176348	191.5736
Stddev	.0001717	6.520	.011331	.0003556	.016817	1.0329
%RSD	2.375122	.2989198	.4817496	.6138663	.5294441	.5391715
#1	.0071704	2182.257	2.339712	.0578960	3.157528	190.3923
#2	.0074222	2187.187	2.354632	.0583083	3.181615	192.0220
#3	.0070941	2174.267	2.361945	.0576002	3.189901	192.3065

Elem	Sr4077
Units	ppm
Avg	F26.69998
Stddev	.29839
%RSD	1.117557
#1	26.35802
#2	26.83447
#3	26.90745

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	440.9298	5498.035	108786.8	22078.57	5370.272
Stddev	3.4472	27.949	577.6	108.01	24.004
%RSD	.7817943	.5083499	.5309533	.4892254	.4469824
#1	439.5983	5488.486	108207.8	22171.45	5357.565
#2	444.8441	5476.111	108789.7	22104.21	5355.292
#3	438.3469	5529.507	109363.0	21960.04	5397.958

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-13 Acquired: 11/13/2011 19:49:43 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R80 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0572876	-.005268	.2912079	-.001114	.0043713	95.31466
Stddev	.0012783	.000175	.0009634	.000740	.0010631	.54325
%RSD	2.231435	3.321009	.3308292	66.47349	24.32010	.5699568
#1	.0585034	-.005469	.2918304	-.001802	.0035154	94.70095
#2	.0574047	-.005187	.2900983	-.000331	.0040371	95.73398
#3	.0559547	-.005150	.2916952	-.001208	.0055613	95.50903

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8862785	.0084960	.0143565	13.61801	.3254717	.0718085
Stddev	.0054366	.0001351	.0000765	.11826	.0003739	.0001029
%RSD	.6134154	1.590293	.5330385	.8684422	.1148841	.1432769
#1	.8801840	.0085559	.0144012	13.48275	.3250407	.0717097
#2	.8880224	.0083413	.0144001	13.66936	.3256649	.0718007
#3	.8906292	.0085907	.0142681	13.70191	.3257094	.0719150

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1599051	160.0919	1.810012	23.95779	.1568702	-.001198
Stddev	.0015413	1.1593	.013133	.20339	.0002346	.000209
%RSD	.9638698	.7241376	.7255856	.8489531	.1495267	17.42765
#1	.1585846	158.7639	1.795068	23.72294	.1571275	-.001322
#2	.1595320	160.6102	1.815252	24.07682	.1568149	-.001316
#3	.1615987	160.9017	1.819716	24.07361	.1566682	-.000957

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.312190	.2666200	1.075949	6.065685	F-298.144	.0458270
Stddev	.004984	.0018529	.004519	.038741	1.123	.0029627
%RSD	.2155664	.6949673	.4199746	.6386869	.3766052	6.464903
#1	2.306669	.2651124	1.077091	6.095964	-299.440	.0424110
#2	2.316358	.2660591	1.070969	6.079062	-297.518	.0473750
#3	2.313543	.2686886	1.079788	6.022028	-297.474	.0476951

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-13 Acquired: 11/13/2011 19:49:43 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R80 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015113	433.7546	2.334027	.0109480	2.363954	220.2887
Stddev	.0002593	1.7289	.008592	.0008420	.017482	1.0487
%RSD	17.15707	.3985811	.3681375	7.690717	.7395261	.4760474
#1	.0014448	434.7792	2.325122	.0104719	2.343768	219.0784
#2	.0012917	434.7262	2.334691	.0119202	2.374133	220.9272
#3	.0017973	431.7585	2.342268	.0104520	2.373961	220.8605

Elem	Sr4077
Units	ppm
Avg	F22.08253
Stddev	.13993
%RSD	.6336862
#1	21.93158
#2	22.20793
#3	22.10806

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	444.5643	5534.285	107873.8	21977.14	5358.415
Stddev	2.0878	27.734	513.0	67.08	14.992
%RSD	.4696378	.5011234	.4755576	.3052288	.2797795
#1	442.1541	5505.246	107348.9	22004.19	5341.130
#2	445.8183	5560.496	107898.6	21900.76	5367.886
#3	445.7204	5537.114	108374.0	22026.47	5366.228

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-14 Acquired: 11/13/2011 19:53:00 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R81 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0246709	-.005975	.1228213	-.004149	.0031057	93.73439
Stddev	.0022477	.000551	.0025675	.002115	.0011738	.47912
%RSD	9.110605	9.218604	2.090404	50.97494	37.79422	.5111449
#1	.0233682	-.005350	.1227828	-.001861	.0026864	93.47750
#2	.0233782	-.006388	.1254077	-.004553	.0044315	93.43849
#3	.0272663	-.006188	.1202733	-.006033	.0021991	94.28717

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8154241	.0075258	.0093840	11.28389	.2482252	.0697187
Stddev	.0045841	.0002976	.0001002	.07189	.0011177	.0006706
%RSD	.5621685	3.953890	1.068179	.6370665	.4502699	.9618817
#1	.8165775	.0072000	.0094903	11.23818	.2469774	.0703461
#2	.8103735	.0075941	.0093708	11.24673	.2485637	.0697980
#3	.8193213	.0077833	.0092911	11.36675	.2491345	.0690119

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0592126	157.5344	1.432423	23.52975	.1354191	-.002897
Stddev	.0013281	.6194	.007579	.19088	.0006724	.000008
%RSD	2.242885	.3931604	.5290769	.8112420	.4965127	.2863105
#1	.0580289	156.9213	1.426097	23.32328	.1350107	-.002902
#2	.0589603	157.5222	1.430350	23.56617	.1361951	-.002903
#3	.0606488	158.1599	1.440822	23.69980	.1350513	-.002888

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.924955	.2544889	.4487136	5.812993	F-173.902	.0453609
Stddev	.045864	.0034406	.0030311	.025300	.517	.0025970
%RSD	2.382599	1.351950	.6755106	.4352264	.2974445	5.725141
#1	1.907545	.2535509	.4472994	5.804377	-174.393	.0426656
#2	1.976975	.2516147	.4466479	5.841476	-173.951	.0478469
#3	1.890346	.2583012	.4521933	5.793127	-173.362	.0455701

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-14 Acquired: 11/13/2011 19:53:00 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R81 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018155	183.3350	2.450568	-.000298	2.361938	216.7159
Stddev	.0000804	.6728	.009608	.000827	.010436	1.5121
%RSD	4.427784	.3669829	.3920841	277.1646	.4418349	.6977108
#1	.0017239	183.7102	2.442156	-.001077	2.358955	217.6660
#2	.0018744	183.7365	2.461039	.000569	2.353318	214.9723
#3	.0018481	182.5583	2.448509	-.000388	2.373540	217.5094

Elem	Sr4077
Units	ppm
Avg	F 19.62461
Stddev	.13809
%RSD	.7036701
#1	19.61051
#2	19.49411
#3	19.76922

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	442.1572	5559.591	108082.8	22013.43	5382.159
Stddev	4.8083	22.538	271.2	62.67	20.069
%RSD	1.087464	.4053906	.2508884	.2846688	.3728838
#1	437.0134	5537.791	107771.2	21978.85	5364.146
#2	442.9191	5558.181	108265.3	22085.77	5378.539
#3	446.5390	5582.801	108212.0	21975.67	5403.792

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-15 Acquired: 11/13/2011 19:56:18 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RH8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1141403	-.003571	.7997293	.0046277	.0085626	58.21033
Stddev	.0042240	.000626	.0036356	.0009098	.0015447	.06930
%RSD	3.700703	17.52090	.4545984	19.65995	18.04057	.1190585
#1	.1150160	-.003566	.7957877	.0050337	.0092485	58.17419
#2	.1178577	-.002948	.8004491	.0052639	.0096456	58.29024
#3	.1095470	-.004200	.8029511	.0035856	.0067937	58.16657

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7061002	.0094884	.0305508	10.74374	.5610171	.0638658
Stddev	.0007080	.0002401	.0002100	.01662	.0023333	.0003575
%RSD	.1002732	2.530129	.6875091	.1546944	.4159104	.5598431
#1	.7053955	.0096027	.0304642	10.72958	.5607606	.0634774
#2	.7068115	.0092125	.0307903	10.73960	.5588227	.0641812
#3	.7060937	.0096499	.0303980	10.76204	.5634681	.0639388

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4778810	112.6935	1.815482	14.15645	.1703038	.0102186
Stddev	.0009228	.2941	.002321	.00399	.0008301	.0002801
%RSD	.1931030	.2609327	.1278201	.0281684	.4874393	2.740687
#1	.4778423	112.5757	1.816387	14.16056	.1695609	.0102696
#2	.4769781	112.4766	1.812845	14.15260	.1711998	.0099165
#3	.4788225	113.0282	1.817213	14.15618	.1701507	.0104696

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.276504	.3773980	2.541085	6.054267	F-523.254	.0332529
Stddev	.023654	.0010569	.018933	.019306	1.138	.0034178
%RSD	1.853051	.2800506	.7450877	.3188807	.2174124	10.27809
#1	1.266083	.3761828	2.538302	6.035462	-522.172	.0312815
#2	1.259849	.3779084	2.561255	6.074038	-524.441	.0371993
#3	1.303579	.3781028	2.523697	6.053302	-523.150	.0312777

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-15 Acquired: 11/13/2011 19:56:18 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RH8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0068617	1847.310	2.052834	.0357519	2.942738	128.4311
Stddev	.0001632	7.643	.015323	.0002101	.001851	.6598
%RSD	2.378136	.4137237	.7464501	.5876005	.0628965	.5137046
#1	.0070059	1838.531	2.070475	.0357132	2.940606	127.8349
#2	.0066845	1852.477	2.042826	.0359787	2.943929	129.1399
#3	.0068947	1850.924	2.045201	.0355639	2.943680	128.3183

Elem	Sr4077
Units	ppm
Avg	F23.67986
Stddev	.04303
%RSD	.1817315
#1	23.71482
#2	23.63180
#3	23.69296

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	439.8667	5480.029	108262.1	21725.83	5486.541
Stddev	2.9681	11.351	348.8	133.23	13.003
%RSD	.6747684	.2071346	.3222092	.6132139	.2369942
#1	437.1753	5473.548	107859.7	21573.48	5499.279
#2	439.3750	5473.404	108478.1	21820.47	5473.288
#3	443.0500	5493.136	108448.6	21783.55	5487.056

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-16 Acquired: 11/13/2011 19:59:34 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RH8D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1273586	-.004572	.8856305	.0055518	.0102304	71.10043
Stddev	.0023786	.002069	.0010037	.0024200	.0003024	.53977
%RSD	1.867662	45.25805	.1133288	43.59001	2.955467	.7591608
#1	.1248638	-.002184	.8846082	.0027714	.0099128	71.50366
#2	.1296009	-.005690	.8856687	.0066998	.0105148	71.31042
#3	.1276110	-.005841	.8866145	.0071841	.0102636	70.48723

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8145833	.0106442	.0339002	12.49095	.6732972	.0776079
Stddev	.0042599	.0002214	.0001310	.10995	.0019072	.0001156
%RSD	.5229578	2.079659	.3865768	.8802211	.2832565	.1488926
#1	.8182778	.0108802	.0339050	12.56776	.6711158	.0776125
#2	.8155485	.0104411	.0337667	12.54008	.6741262	.0774902
#3	.8099236	.0106115	.0340287	12.36500	.6746494	.0777211

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5604667	134.8299	2.163308	17.03724	.2096995	.0092978
Stddev	.0058871	1.1364	.020838	.15787	.0001303	.0004102
%RSD	1.050385	.8428101	.9632509	.9266004	.0621368	4.411615
#1	.5660299	135.6732	2.181428	17.10653	.2096061	.0097271
#2	.5610683	135.2788	2.167959	17.14862	.2098484	.0092565
#3	.5543020	133.5376	2.140538	16.85658	.2096441	.0089099

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.588738	.4207250	2.947895	6.786741	F-611.182	.0392904
Stddev	.014727	.0051311	.036733	.060578	1.262	.0017720
%RSD	.5688767	1.219580	1.246067	.8925865	.2065034	4.510041
#1	2.585359	.4265044	2.973102	6.850218	-612.062	.0405815
#2	2.604861	.4189653	2.964833	6.780451	-611.749	.0400194
#3	2.575995	.4167053	2.905749	6.729554	-609.736	.0372701

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-16 Acquired: 11/13/2011 19:59:34 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RH8D Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0075389	1806.917	2.431454	.0416287	3.444856	146.2668
Stddev	.0001476	1.703	.032947	.0003779	.029240	.1026
%RSD	1.957808	.0942361	1.355015	.9077463	.8488041	.0701558
#1	.0074169	1805.859	2.466836	.0412197	3.467034	146.1488
#2	.0077030	1806.010	2.425870	.0417016	3.455815	146.3353
#3	.0074969	1808.881	2.401656	.0419649	3.411720	146.3162

Elem	Sr4077
Units	ppm
Avg	F26.62717
Stddev	.11121
%RSD	.4176518
#1	26.71365
#2	26.66613
#3	26.50172

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	442.1717	5484.107	107724.2	22003.98	5426.232
Stddev	5.9031	8.830	268.1	282.96	5.766
%RSD	1.335025	.1610050	.2488818	1.285970	.1062690
#1	436.1925	5475.570	107509.1	21745.62	5419.875
#2	442.3269	5493.203	107639.0	21959.95	5431.126
#3	447.9956	5483.547	108024.6	22306.38	5427.694

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-17 Acquired: 11/13/2011 20:02:48 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RH8S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1658015	.0811943	.8010101	.0791882	.1217844	60.50550
Stddev	.0010389	.0012454	.0040846	.0014179	.0004532	.16371
%RSD	.6265696	1.533900	.5099339	1.790502	.3721585	.2705642
#1	.1650586	.0811261	.8036514	.0800180	.1222321	60.34693
#2	.1669886	.0799844	.8030734	.0799957	.1217952	60.49568
#3	.1653572	.0824725	.7963054	.0775511	.1213259	60.67390

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.838653	.0779005	.1130338	12.63336	.8152593	.7941432
Stddev	.008025	.0001922	.0001251	.06344	.0012368	.0020564
%RSD	.2090556	.2467482	.1106398	.5021265	.1517077	.2589389
#1	3.831454	.0779929	.1131645	12.56018	.8160552	.7962278
#2	3.837200	.0776795	.1130216	12.67254	.8158882	.7940854
#3	3.847305	.0780291	.1129152	12.66738	.8138344	.7921163

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8431262	111.7768	2.573737	14.15862	.9049706	.0916344
Stddev	.0013460	.3796	.009776	.04245	.0003931	.0001535
%RSD	.1596386	.3396353	.3798539	.2997850	.0434389	.1674710
#1	.8415760	111.3385	2.562562	14.12439	.9049413	.0914603
#2	.8438046	111.9965	2.580709	14.20611	.9053776	.0917501
#3	.8439979	111.9956	2.577940	14.14535	.9045930	.0916927

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.827555	1.096528	3.314236	5.972625	F-504.518	.0319534
Stddev	.014119	.003830	.024518	.012707	.803	.0005067
%RSD	.7725823	.3493161	.7397790	.2127601	.1592142	1.585662
#1	1.819064	1.092818	3.289963	5.964111	-504.338	.0321270
#2	1.843853	1.100468	3.313753	5.966533	-505.395	.0323505
#3	1.819747	1.096299	3.338992	5.987232	-503.819	.0313828

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-17 Acquired: 11/13/2011 20:02:48 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RH8S Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0058311	1585.884	2.479631	.0381324	2.724781	127.7429
Stddev	.0001645	2.713	.015724	.0006251	.006439	.5221
%RSD	2.821170	.1710725	.6341080	1.639369	.2363012	.4087305
#1	.0059545	1584.837	2.492411	.0374256	2.717448	127.5786
#2	.0056443	1588.965	2.462072	.0383592	2.729512	127.3227
#3	.0058943	1583.852	2.484409	.0386126	2.727381	128.3274

Elem	Sr4077
Units	ppm
Avg	F23.95777
Stddev	.14159
%RSD	.5910097
#1	23.82713
#2	23.93794
#3	24.10823

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	433.0873	5418.166	106318.5	21578.98	5451.318
Stddev	.8280	8.685	411.8	55.14	21.530
%RSD	.1911851	.1603016	.3873617	.2555421	.3949569
#1	432.1314	5421.298	105886.7	21528.77	5436.694
#2	433.5494	5408.349	106361.9	21570.17	5441.219
#3	433.5813	5424.852	106706.9	21638.00	5476.042

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCV Acquired: 11/13/2011 20:06:00 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV21 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.867857	4.849759	23.83810	4.860357	4.870360	151.8692
Stddev	.022090	.040026	.25089	.039216	.033205	.5962
%RSD	.4537899	.8253284	1.052464	.8068615	.6817868	.3925856
#1	4.873312	4.864059	23.97675	4.890354	4.895428	152.4453
#2	4.843551	4.804546	23.54849	4.815980	4.832700	151.9075
#3	4.886709	4.880670	23.98907	4.874736	4.882953	151.2547

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.784976	.4754793	2.404060	243.3352	14.87881	2.403158
Stddev	.045656	.0021485	.023233	.1328	.07181	.023787
%RSD	.4665929	.4518487	.9664074	.0545579	.4826491	.9898354
#1	9.780775	.4775326	2.416069	243.4867	14.79968	2.417614
#2	9.832587	.4732469	2.377280	243.2801	14.89690	2.375704
#3	9.741565	.4756584	2.418830	243.2389	14.93985	2.416156

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.07022	140.0661	14.31405	230.1959	2.419824	1.187961
Stddev	.03953	.2324	.03009	.2565	.021642	.002178
%RSD	.2622975	.1658919	.2102137	.1114179	.8943506	.1833484
#1	15.11024	140.3059	14.34850	230.4817	2.428560	1.190444
#2	15.06922	139.8419	14.29292	229.9858	2.395180	1.186376
#3	15.03120	140.0505	14.30072	230.1202	2.435733	1.187061

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	146.7549	2.428237	14.36271	145.9471	F-142.898	4.841289
Stddev	.5117	.003486	.04747	.6734	1.050	.015524
%RSD	.3486568	.1435801	.3305039	.4613791	.7350237	.3206557
#1	146.9748	2.430844	14.41470	146.6655	-143.296	4.853746
#2	147.1199	2.429590	14.35175	145.3303	-141.707	4.846224
#3	146.1701	2.424277	14.32168	145.8455	-143.692	4.823898

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCV Acquired: 11/13/2011 20:06:00 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV21 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.044635	236.5156	4.981722	4.870196	4.974366	F2988.842
Stddev	.030998	1.5417	.006187	.062784	.006491	11.173
%RSD	.6144663	.6518344	.1241876	1.289152	.1304796	.3738390
#1	5.064057	236.9903	4.985231	4.914414	4.975730	2999.691
#2	5.008887	234.7924	4.974579	4.798333	4.980066	2989.466
#3	5.060962	237.7642	4.985356	4.897841	4.967302	2977.370

Elem	Sr4077
Units	ppm
Avg	F448.0896
Stddev	3.3114
%RSD	.7390144
#1	451.1959
#2	448.4674
#3	444.6054

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	382.8932	4705.463	92223.18	19404.59	4533.382
Stddev	3.0022	22.185	50.79	124.61	37.096
%RSD	.7840876	.4714772	.0550748	.6421475	.8182920
#1	379.5000	4686.283	92169.21	19264.42	4508.168
#2	383.9750	4729.759	92230.30	19446.55	4575.978
#3	385.2046	4700.346	92270.04	19502.80	4516.001

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCB Acquired: 11/13/2011 20:09:19 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB21 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000098	.0030940	.0006604	-.000407	-.000434	.0113067	-.001477
Stddev	.001318	.0008205	.0013278	.002308	.000346	.0066677	.000605
%RSD	1347.752	26.52040	201.0627	567.2276	79.65300	58.97116	40.95765
#1	.001422	.0038393	.0000487	.000457	-.000584	.0189057	-.001106
#2	-.000796	.0022147	.0021838	-.003022	-.000039	.0064348	-.001150
#3	-.000920	.0032281	-.000251	.001344	-.000680	.0085796	-.002175

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000009	.0000145	-.003984	.0000542	.0000108	-.003997	.0212673
Stddev	.000046	.0000268	.001636	.0013201	.0001880	.000461	.0272512
%RSD	539.8500	185.7793	41.06888	2435.826	1734.453	11.54334	128.1367
#1	.000040	.0000411	-.002904	.0010136	-.000196	-.003811	.0524120
#2	-.000013	.0000147	-.003182	-.001451	.000057	-.003657	.0095856
#3	-.000052	-.000013	-.005866	.000600	.000172	-.004522	.0018043

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000097	.0098941	-.000198	-.000278	.0716352	.0006373	-.000022
Stddev	.000145	.0150175	.000129	.000137	.0632146	.0011259	.000955
%RSD	148.8190	151.7816	65.42763	49.39065	88.24509	176.6642	4438.714
#1	-.000087	.0003913	-.000162	-.000156	.0561309	-.000430	.001079
#2	-.000247	.0020838	-.000090	-.000426	.0176152	.001814	-.000636
#3	.000042	.0272073	-.000341	-.000252	.1411595	.000528	-.000507

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0708984	.1669572	.0073831	.0049586	.1801803	.0198827	-.000256
Stddev	.0156302	.0652254	.0031265	.0009507	.0729096	.0127497	.000432
%RSD	22.04589	39.06712	42.34624	19.17180	40.46482	64.12471	168.4577
#1	.0679756	.1104360	.0109176	.0059770	.0962225	.0345683	.000224
#2	.0569360	.1521089	.0062524	.0048043	.2167629	.0116430	-.000379
#3	.0877837	.2383265	.0049793	.0040946	.2275556	.0134368	-.000614

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCB Acquired: 11/13/2011 20:09:19 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB21 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.001776	.0001039	-.005986
Stddev	.000856	.3989053	.004476
%RSD	48.19668	383930.7	74.76443
#1	-.000802	.4468017	-.009366
#2	-.002116	-.320565	-.000911
#3	-.002410	-.125925	-.007682

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	428.0814	5446.453	106120.1	20489.88	5885.596
Stddev	3.8805	75.855	319.7	181.92	87.575
%RSD	.9064811	1.392744	.3012523	.8878588	1.487948
#1	425.5436	5477.053	106425.1	20406.43	5919.236
#2	426.1522	5502.230	105787.5	20364.65	5951.362
#3	432.5484	5360.078	106147.5	20698.55	5786.189

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: PB59187BL Acquired: 11/13/2011 20:12:45 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: PBS01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013107	.0018644	.0002929	-.000238	.0004888	-.001615	-.001057
Stddev	.0019320	.0006552	.0007685	.002107	.0006262	.001093	.000082
%RSD	147.3961	35.14065	262.3341	883.5990	128.0902	67.65727	7.791550
#1	.0004513	.0011081	-.000297	.001949	.0003837	-.000554	-.000998
#2	-.000042	.0022556	.001162	-.000409	-.000078	-.001555	-.001151
#3	.003523	.0022297	.000014	-.002255	.001161	-.002737	-.001022

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000002	.0000222	-.001283	-.000262	-.000037	-.003520	.0015838
Stddev	.000077	.0000889	.004099	.000953	.000050	.000816	.0029192
%RSD	3839.533	400.0694	319.5369	363.5223	132.4715	23.17874	184.3216
#1	.000014	.0001010	.001417	-.000975	.000014	-.003346	.0005111
#2	-.000086	.0000399	-.005999	-.000633	-.000041	-.002806	-.000647
#3	.000066	-.000074	.000734	.000821	-.000085	-.004409	.004888

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000195	-.005859	-.000183	-.000255	.1248130	.0002029	.0003378
Stddev	.000114	.008350	.000539	.000133	.0020419	.0004047	.0004058
%RSD	58.83570	142.5141	293.9862	52.16680	1.635936	199.5049	120.1405
#1	-.000116	.001553	-.000755	-.000309	.1224688	.0006688	-.000131
#2	-.000142	-.004226	.000316	-.000354	.1257675	-.000061	.000573
#3	-.000326	-.014906	-.000112	-.000104	.1262030	.000001	.000571

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0341812	.1466145	.0015781	.0010631	.0047714	.0192338	-.000144
Stddev	.0142524	.0657784	.0013826	.0002697	.1831607	.0140148	.001037
%RSD	41.69648	44.86484	87.61233	25.37322	3838.717	72.86570	718.3728
#1	.0409137	.0779434	.0029677	.0013698	.2162541	.0349420	-.000831
#2	.0438202	.2090571	.0002026	.0009569	-.098936	.0147491	-.000651
#3	.0178098	.1528430	.0015639	.0008626	-.103004	.0080102	.001048

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: PB59187BL Acquired: 11/13/2011 20:12:45 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: PBS01 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002243	F-.168103	-.003725
Stddev	.000361	.496254	.004324
%RSD	16.08472	295.2083	116.0578
#1	-.002523	-.192343	-.007737
#2	-.002369	-.651793	-.004293
#3	-.001836	.339827	.000854

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	425.1346	5473.698	105850.0	20319.71	5921.196
Stddev	4.8953	31.115	399.0	103.84	14.076
%RSD	1.151476	.5684389	.3769371	.5110099	.2377256
#1	420.9974	5447.949	106131.1	20215.23	5905.645
#2	423.8675	5464.874	106025.5	20321.01	5924.877
#3	430.5389	5508.272	105393.3	20422.89	5933.066

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: PB59187BS Acquired: 11/13/2011 20:16:12 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: LCS01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0201001	.0514414	.0209976	.0650720	.1107724	.3804556	.4020571
Stddev	.0027017	.0005516	.0004240	.0018002	.0017274	.0036966	.0014630
%RSD	13.44133	1.072306	2.019089	2.766530	1.559390	.9716239	.3638672
#1	.0173394	.0516189	.0205139	.0660094	.1125590	.3788535	.4005351
#2	.0202223	.0508228	.0211740	.0629965	.1091111	.3846830	.4034528
#3	.0227387	.0518823	.0213049	.0662101	.1106470	.3778303	.4021836

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0092646	.0097038	9.798309	.0178124	.0884148	.0470352	.2025014
Stddev	.0001195	.0000526	.067713	.0011979	.0000221	.0012335	.0020516
%RSD	1.289608	.5420248	.6910684	6.725210	.0250123	2.622554	1.013134
#1	.0093006	.0097625	9.722435	.0188411	.0884098	.0457595	.2014907
#2	.0093619	.0096610	9.852601	.0180989	.0884390	.0471244	.2011512
#3	.0091312	.0096879	9.819890	.0164972	.0883956	.0482216	.2048623

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0313106	8.717067	.0781261	.0192885	9.890523	.0921392	.1214487
Stddev	.0002457	.088878	.0000699	.0002048	.108121	.0016625	.0008886
%RSD	.7848395	1.019586	.0894035	1.061929	1.093180	1.804285	.7316579
#1	.0312144	8.614477	.0780539	.0190606	9.999289	.0904095	.1204274
#2	.0315899	8.770792	.0781311	.0193476	9.889222	.0922831	.1218739
#3	.0311275	8.765930	.0781933	.0194573	9.783058	.0937251	.1220448

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.541155	-.102169	.0020012	.0004179	1.079647	.0041125	.0004649
Stddev	.012763	.041307	.0021830	.0000622	.110728	.0082884	.0002546
%RSD	.1337633	40.43030	109.0850	14.89631	10.25597	201.5439	54.77040
#1	9.531767	-.076099	.0045198	.0004204	1.140388	.0136722	.0001781
#2	9.555687	-.080614	.0008298	.0003545	1.146712	-.000272	.0006644
#3	9.536010	-.149796	.0006539	.0004789	.951841	-.001063	.0005521

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: PB59187BS Acquired: 11/13/2011 20:16:12 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: LCS01 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.002551	.2332516	.2346393
Stddev	.000353	.2812247	.0052469
%RSD	13.84228	120.5671	2.236154
#1	-.002355	.5153743	.2372680
#2	-.002339	-.047066	.2380522
#3	-.002958	.231447	.2285976

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	426.3783	5409.969	104208.3	20636.71	5686.587
Stddev	.2567	20.716	557.4	90.38	11.704
%RSD	.0602162	.3829252	.5348651	.4379612	.2058101
#1	426.1126	5387.402	103767.6	20736.83	5673.854
#2	426.6250	5428.122	104022.5	20561.15	5696.874
#3	426.3972	5414.384	104834.8	20612.14	5689.033

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4508-06 Acquired: 11/13/2011 20:19:38 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9QZ5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3332711	-.006655	.7926585	.0134184	.0108235	118.3272
Stddev	.0015134	.000058	.0056118	.0036594	.0008001	.4068
%RSD	.4541009	.8712476	.7079754	27.27174	7.391911	.3438226
#1	.3344612	-.006590	.7886191	.0101425	.0114637	118.7334
#2	.3337843	-.006675	.7990663	.0173678	.0099266	117.9198
#3	.3315679	-.006701	.7902903	.0127449	.0110803	118.3284

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.528460	.0130203	.0368038	47.15352	.5776576	.1084109
Stddev	.005381	.0002299	.0001798	.23601	.0033330	.0010342
%RSD	.3520215	1.765969	.4886546	.5005091	.5769883	.9539347
#1	1.534662	.0131132	.0367923	47.33455	.5746934	.1072488
#2	1.525042	.0127584	.0369891	46.88660	.5812655	.1092298
#3	1.525675	.0131892	.0366300	47.23942	.5770140	.1087541

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4794068	252.4852	4.537163	28.36772	.2538871	-.000266
Stddev	.0034547	.6227	.018443	.07666	.0019633	.000460
%RSD	.7206171	.2466095	.4064800	.2702404	.7732849	172.9652
#1	.4824652	252.6094	4.549517	28.42757	.2518943	-.000178
#2	.4756596	251.8098	4.515963	28.28131	.2558194	-.000764
#3	.4800957	253.0363	4.546008	28.39427	.2539474	.000144

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.664293	.4051534	2.865198	7.760658	F-760.905	.0706877
Stddev	.059408	.0006668	.017487	.022960	2.218	.0050008
%RSD	1.621281	.1645787	.6103124	.2958506	.2914364	7.074487
#1	3.639173	.4055106	2.845571	7.750012	-759.203	.0679819
#2	3.621571	.4043841	2.879121	7.744953	-763.413	.0676228
#3	3.732135	.4055654	2.870900	7.787008	-760.100	.0764584

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4508-06 Acquired: 11/13/2011 20:19:38 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9QZ5 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0084344	6383.626	4.573451	.0421309	3.018173	199.4391
Stddev	.0002572	41.364	.020587	.0009789	.009567	.6637
%RSD	3.048976	.6479699	.4501469	2.323546	.3169675	.3328051
#1	.0081524	6339.981	4.586441	.0430119	3.028176	200.1948
#2	.0086560	6422.250	4.549714	.0423038	3.009112	198.9505
#3	.0084947	6388.646	4.584197	.0410771	3.017230	199.1720

Elem	Sr4077
Units	ppm
Avg	F66.39101
Stddev	.51977
%RSD	.7828973
#1	66.85785
#2	65.83092
#3	66.48424

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	440.0043	5404.918	106503.4	22247.02	5153.659
Stddev	2.6905	14.143	367.8	231.11	10.403
%RSD	.6114676	.2616735	.3453391	1.038851	.2018545
#1	438.8617	5388.996	106174.3	21996.14	5150.781
#2	438.0736	5409.731	106435.6	22451.25	5144.998
#3	443.0775	5416.026	106900.4	22293.68	5165.198

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4508-06LX5 Acquired: 11/13/2011 20:22:52 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9QZ5L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0729552	.0006214	.1708877	.0014810	.0010668	25.15606
Stddev	.0007167	.0009179	.0011510	.0015265	.0004381	.00877
%RSD	.9824055	147.7141	.6735210	103.0710	41.06462	.0348766
#1	.0721526	.0004873	.1721728	-.000185	.0015110	25.16183
#2	.0735312	-.000222	.1699519	.001816	.0006352	25.14597
#3	.0731818	.001599	.1705383	.002812	.0010541	25.16040

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3185720	.0028760	.0073355	10.31612	.1219030	.0215841
Stddev	.0013989	.0003106	.0000276	.02931	.0021684	.0000729
%RSD	.4391033	10.79909	.3761970	.2841664	1.778795	.3377532
#1	.3201834	.0032088	.0073566	10.34952	.1203567	.0215323
#2	.3176697	.0028256	.0073043	10.30421	.1243817	.0216674
#3	.3178629	.0025938	.0073456	10.29464	.1209707	.0215525

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0997645	56.23398	1.008811	6.252983	.0518946	-.000467
Stddev	.0016053	.11645	.003079	.028585	.0001538	.000105
%RSD	1.609122	.2070761	.3051839	.4571356	.2963042	22.36236
#1	.1016178	56.36571	1.010913	6.237409	.0520199	-.000562
#2	.0988080	56.14475	1.005277	6.235568	.0517230	-.000484
#3	.0988676	56.19148	1.010242	6.285973	.0519409	-.000355

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9004925	.0884067	.6233525	1.546930	F-168.204	.0167785
Stddev	.0582360	.0008006	.0041709	.031249	.419	.0011295
%RSD	6.467133	.9056178	.6691081	2.020087	.2492801	6.731585
#1	.8562816	.0874907	.6232553	1.575320	-168.402	.0157893
#2	.9664783	.0889734	.6192311	1.552024	-168.488	.0180092
#3	.8787177	.0887559	.6275712	1.513447	-167.723	.0165371

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4508-06LX5 Acquired: 11/13/2011 20:22:52 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9QZ5L Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013828	1361.004	1.000589	.0044724	.6462729	40.70257
Stddev	.0001255	3.784	.009359	.0001685	.0027275	.31869
%RSD	9.071758	.2779988	.9353093	3.767117	.4220274	.7829814
#1	.0012446	1365.373	1.011393	.0045286	.6472753	40.49018
#2	.0014896	1358.840	.995359	.0042830	.6431861	41.06902
#3	.0014143	1358.799	.995013	.0046056	.6483573	40.54850

Elem	Sr4077
Units	ppm
Avg	F 14.07474
Stddev	.08232
%RSD	.5848648
#1	14.16222
#2	14.06319
#3	13.99881

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	448.7455	5501.607	108533.5	21843.90	5755.068
Stddev	1.9616	16.278	369.1	69.46	3.183
%RSD	.4371358	.2958842	.3400467	.3179977	.0553163
#1	448.8081	5520.211	108945.7	21778.64	5756.401
#2	450.6750	5489.979	108420.9	21836.14	5757.369
#3	446.7532	5494.630	108233.8	21916.92	5751.435

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4508-07 Acquired: 11/13/2011 20:26:12 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9QZ5D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2552940	-.006593	.3772635	.0057385	.0084517	101.3513
Stddev	.0035424	.000630	.0020686	.0033264	.0023569	.2124
%RSD	1.387582	9.548531	.5483127	57.96689	27.88691	.2095928
#1	.2557596	-.006276	.3778956	.0048119	.0111399	101.5830
#2	.2515419	-.007318	.3789422	.0094300	.0074753	101.3050
#3	.2585807	-.006185	.3749526	.0029736	.0067399	101.1658

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.237173	.0098525	.0195977	42.90043	.3521211	.0630484
Stddev	.007571	.0003168	.0000423	.12832	.0035237	.0002845
%RSD	.6119495	3.215088	.2160474	.2991057	1.000710	.4511699
#1	1.245836	.0102037	.0195544	43.02619	.3496661	.0633436
#2	1.233851	.0095884	.0196389	42.76970	.3505387	.0627761
#3	1.231830	.0097654	.0195998	42.90538	.3561587	.0630253

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2255338	202.9873	3.611209	23.08614	.1827347	-.002189
Stddev	.0022212	.4000	.006252	.01827	.0003944	.000281
%RSD	.9848668	.1970623	.1731275	.0791344	.2158114	12.83833
#1	.2279296	203.4379	3.618403	23.06554	.1824090	-.001974
#2	.2251289	202.6741	3.607096	23.09250	.1831731	-.002085
#3	.2235429	202.8498	3.608127	23.10037	.1826218	-.002507

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.342381	.3508221	1.238422	6.548464	F-511.624	.0679579
Stddev	.045158	.0019988	.003710	.026481	3.040	.0041287
%RSD	1.351074	.5697544	.2995653	.4043881	.5941578	6.075347
#1	3.364179	.3531301	1.241716	6.577509	-515.042	.0635253
#2	3.290459	.3496643	1.234403	6.542220	-510.605	.0716940
#3	3.372505	.3496718	1.239146	6.525663	-509.224	.0686543

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4508-07 Acquired: 11/13/2011 20:26:12 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9QZ5D Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0060627	5277.003	4.698824	.0134932	2.933168	164.6180
Stddev	.0001388	7.014	.025429	.0006849	.005720	1.5597
%RSD	2.289560	.1329244	.5411822	5.076208	.1950023	.9474582
#1	.0060924	5270.059	4.727609	.0127359	2.937638	166.3713
#2	.0061843	5276.865	4.679410	.0140693	2.926723	164.0981
#3	.0059115	5284.086	4.689454	.0136745	2.935145	163.3847

Elem	Sr4077
Units	ppm
Avg	F60.82388
Stddev	.43626
%RSD	.7172548
#1	61.28894
#2	60.75900
#3	60.42369

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	419.8325	5279.619	104434.3	21635.05	5177.578
Stddev	7.3205	59.981	392.6	246.33	39.867
%RSD	1.743673	1.136088	.3759624	1.138577	.7699946
#1	411.3908	5213.581	104002.8	21368.15	5133.430
#2	423.6748	5294.554	104529.3	21683.32	5188.356
#3	424.4319	5330.721	104770.7	21853.67	5210.948

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4508-08 Acquired: 11/13/2011 20:29:29 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9QZ5S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4100553	.0864239	.6453948	.1043572	.1308286	122.6063
Stddev	.0015881	.0035551	.0027031	.0063221	.0009116	.7721
%RSD	.3872939	4.113560	.4188283	6.058111	.6967890	.6297354
#1	.4103995	.0823224	.6430769	.0983579	.1308754	122.0168
#2	.4083234	.0886241	.6447434	.1037546	.1317159	122.3218
#3	.4114432	.0883251	.6483641	.1109589	.1298944	123.4803

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.222863	.0974354	.1268220	48.72589	.8607099	1.075307
Stddev	.055490	.0013097	.0007110	.70770	.0091712	.005005
%RSD	1.062437	1.344170	.5606583	1.452419	1.065541	.4654172
#1	5.162971	.0960817	.1261963	47.94660	.8547507	1.071817
#2	5.233091	.0975282	.1266745	48.90249	.8561081	1.073062
#3	5.272527	.0986962	.1275952	49.32856	.8712708	1.081041

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8340148	242.4313	5.239778	29.16147	1.219373	.0863350
Stddev	.0018735	2.3753	.056893	.31807	.002583	.0004867
%RSD	.2246326	.9797661	1.085792	1.090720	.2118253	.5637210
#1	.8322679	239.8625	5.178470	28.81309	1.218137	.0859453
#2	.8337832	242.8833	5.249989	29.23495	1.217641	.0861793
#3	.8359933	244.5481	5.290874	29.43637	1.222342	.0868805

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.624331	1.320205	2.970015	8.466643	F-601.997	.0786098
Stddev	.065972	.011914	.033904	.028908	.515	.0032008
%RSD	1.820248	.9024057	1.141548	.3414295	.0855460	4.071699
#1	3.691511	1.306926	2.942409	8.434525	-601.626	.0797208
#2	3.621844	1.323732	3.007858	8.490574	-601.779	.0811071
#3	3.559638	1.329957	2.959779	8.474829	-602.585	.0750016

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4508-08 Acquired: 11/13/2011 20:29:29 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9QZ5S Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0076132	5842.100	6.287267	.0294349	3.443029	195.8770
Stddev	.0002178	19.396	.027259	.0009525	.024994	1.4366
%RSD	2.860618	.3320086	.4335610	3.235822	.7259304	.7333952
#1	.0075281	5822.705	6.258701	.0305346	3.421538	194.3036
#2	.0078607	5842.098	6.290102	.0288981	3.437090	196.2086
#3	.0074509	5861.497	6.312998	.0288721	3.470457	197.1187

Elem	Sr4077
Units	ppm
Avg	F67.60696
Stddev	.75947
%RSD	1.123360
#1	66.86644
#2	67.57038
#3	68.38406

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	439.8323	5383.762	106200.6	22360.01	5124.976
Stddev	4.8631	34.092	576.3	53.04	14.381
%RSD	1.105666	.6332321	.5426781	.2372164	.2806000
#1	439.1939	5344.832	106395.1	22420.41	5108.839
#2	435.3199	5398.165	106654.6	22338.62	5136.436
#3	444.9830	5408.288	105552.2	22321.01	5129.653

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4508-09 Acquired: 11/13/2011 20:32:48 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9QZ6 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0379940	-.003008	.0257839	.0000151	.0018681	14.39631	.1525842
Stddev	.0016514	.001231	.0012774	.0035212	.0005788	.03310	.0007606
%RSD	4.346355	40.91365	4.954396	23392.85	30.98605	.2298894	.4984943
#1	.0394901	-.003835	.0244479	-.003833	.0025348	14.40858	.1531919
#2	.0362221	-.001594	.0269933	.003075	.0015752	14.42152	.1528294
#3	.0382697	-.003594	.0259106	.000803	.0014942	14.35883	.1517312

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020382	.0024284	2.507176	.0437292	.0041524	.0114540	42.97517
Stddev	.0000780	.0000311	.009105	.0008306	.0000491	.0009458	.17114
%RSD	3.826172	1.281329	.3631686	1.899475	1.181783	8.257376	.3982305
#1	.0021006	.0023990	2.499773	.0439840	.0041965	.0117751	42.84092
#2	.0020631	.0024610	2.517343	.0428010	.0041612	.0103894	43.16788
#3	.0019508	.0024251	2.504413	.0444025	.0040995	.0121974	42.91670

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2178223	1.636167	.0129596	-.001021	.8133816	.1078168	.0958750
Stddev	.0012080	.018979	.0002034	.000286	.0362944	.0010531	.0029485
%RSD	.5545926	1.159994	1.569424	28.03933	4.462158	.9767854	3.075364
#1	.2169125	1.631763	.0127953	-.001282	.8380317	.1067748	.0969987
#2	.2191929	1.656961	.0128963	-.000715	.7717042	.1088808	.0980965
#3	.2173615	1.619776	.0131871	-.001065	.8304089	.1077946	.0925299

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7503807	F-72.1213	.0096860	.0007778	206.2653	2.554146	-.002582
Stddev	.0136099	.4231	.0015739	.0001170	.3906	.018441	.000475
%RSD	1.813732	.5866404	16.24936	15.03855	.1893644	.7219836	18.38855
#1	.7532007	-72.0355	.0078858	.0007378	206.5589	2.553924	-.003006
#2	.7623597	-72.5807	.0108022	.0009095	206.4150	2.572697	-.002670
#3	.7355817	-71.7476	.0103701	.0006860	205.8220	2.535818	-.002069

Reviewed By:danuta
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Sample Name: C4508-09 Acquired: 11/13/2011 20:32:48 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9QZ6 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.3571250	14.18434	3.562272
Stddev	.0013074	.20791	.022804
%RSD	.3660989	1.465799	.6401511
#1	.3571292	14.36821	3.575237
#2	.3584303	13.95872	3.575638
#3	.3558155	14.22610	3.535941

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	421.3207	5409.401	105820.8	20616.08	5748.831
Stddev	4.0613	26.187	713.1	163.84	12.700
%RSD	.9639525	.4840941	.6738682	.7946995	.2209080
#1	416.7415	5381.950	105001.1	20427.96	5734.741
#2	422.7341	5412.146	106297.4	20692.85	5752.355
#3	424.4864	5434.107	106164.1	20727.44	5759.395

Reviewed By:danuta
On:11/15/2011
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Inst Id :P5

Sample Name: C4508-10 Acquired: 11/13/2011 20:36:11 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9QZ7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1881225	-.003004	1.345101	.0054107	.0169561	82.71956
Stddev	.0010805	.000840	.000635	.0006531	.0006222	.12525
%RSD	.5743649	27.98283	.0471789	12.07018	3.669716	.1514190
#1	.1868766	-.002043	1.345706	.0061113	.0171024	82.57525
#2	.1886879	-.003602	1.345157	.0053022	.0162738	82.78345
#3	.1888029	-.003367	1.344440	.0048187	.0174922	82.79999

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.279053	.0108411	.0566924	13.74695	.7727314	.1058003
Stddev	.008822	.0000322	.0001391	.01621	.0043427	.0002412
%RSD	.6897302	.2972358	.2453879	.1179437	.5619955	.2279836
#1	1.285427	.0108641	.0567703	13.75409	.7707272	.1055772
#2	1.282748	.0108549	.0565317	13.75837	.7697528	.1060562
#3	1.268984	.0108043	.0567750	13.72839	.7777143	.1057675

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9250820	195.4847	2.868161	22.51842	.2300603	.0120418
Stddev	.0015500	.2279	.004078	.02223	.0009372	.0001975
%RSD	.1675543	.1165594	.1421675	.0987140	.4073538	1.639792
#1	.9235715	195.7001	2.869166	22.51822	.2289983	.0120623
#2	.9250059	195.2462	2.863675	22.49629	.2307713	.0122281
#3	.9266687	195.5077	2.871642	22.54075	.2304113	.0118348

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.991588	.2267875	5.307423	6.950636	F-617.094	.0391672
Stddev	.098733	.0008070	.035445	.021369	.466	.0011667
%RSD	4.957511	.3558345	.6678401	.3074451	.0755147	2.978813
#1	1.917624	.2264287	5.336416	6.957703	-617.631	.0404776
#2	1.953434	.2262221	5.317945	6.967577	-616.858	.0387824
#3	2.103704	.2277116	5.267908	6.926628	-616.793	.0382414

Reviewed By:danuta
On:11/15/2011
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Sample Name: C4508-10 Acquired: 11/13/2011 20:36:11 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9QZ7 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0080990	1955.263	3.638656	.0781864	2.104913	180.6981
Stddev	.0000752	2.652	.025030	.0001769	.005377	1.3124
%RSD	.9288635	.1356123	.6878938	.2263221	.2554311	.7262749
#1	.0080138	1955.756	3.667302	.0783467	2.106875	181.5247
#2	.0081268	1952.400	3.627657	.0782160	2.109034	181.3847
#3	.0081563	1957.634	3.621008	.0779965	2.098832	179.1849

Elem	Sr4077
Units	ppm
Avg	F25.96368
Stddev	.06652
%RSD	.2562027
#1	25.96763
#2	26.02813
#3	25.89527

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	438.8306	5481.944	108313.4	21762.89	5350.117
Stddev	6.8546	15.938	666.1	139.99	12.716
%RSD	1.562017	.2907369	.6149523	.6432464	.2376702
#1	432.5120	5468.694	107544.5	21628.20	5337.698
#2	437.8619	5477.508	108683.1	21752.82	5349.545
#3	446.1181	5499.630	108712.7	21907.64	5363.109

Reviewed By:danuta
On:11/15/2011
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Sample Name: C4508-11 Acquired: 11/13/2011 20:39:24 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9QZ8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2994228	-.001954	1.125507	.0017126	.0114517	77.22048
Stddev	.0045414	.000854	.003465	.0016660	.0013198	.73582
%RSD	1.516701	43.68614	.3078796	97.27818	11.52457	.9528843
#1	.3037392	-.001988	1.121818	.0022613	.0114090	76.37098
#2	.2998433	-.002790	1.128694	.0030351	.0101538	77.65936
#3	.2946858	-.001084	1.126009	-.000159	.0127923	77.63109

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.372571	.0105752	.0443180	12.41617	.6932095	.1105245
Stddev	.011058	.0001583	.0001654	.14220	.0043639	.0004292
%RSD	.8056252	1.496760	.3731129	1.145302	.6295166	.3882873
#1	1.359837	.0104119	.0441366	12.25872	.6906102	.1106294
#2	1.378124	.0107280	.0444604	12.45453	.6907707	.1108915
#3	1.379751	.0105857	.0443569	12.53525	.6982476	.1100526

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6463153	187.3187	2.800042	19.65726	.2002257	.0005001
Stddev	.0036956	1.4594	.024761	.18579	.0002308	.0001474
%RSD	.5717986	.7790856	.8843041	.9451298	.1152633	29.47640
#1	.6420483	185.6566	2.771505	19.44432	.2004793	.0004710
#2	.6484022	187.9094	2.812778	19.74124	.2000279	.0003695
#3	.6484953	188.3901	2.815842	19.78624	.2001700	.0006599

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.871055	.2246806	4.061737	5.801483	F-695.802	.0361366
Stddev	.018614	.0035084	.024292	.044031	1.452	.0010733
%RSD	.9948255	1.561486	.5980568	.7589666	.2087185	2.970100
#1	1.886708	.2209725	4.034078	5.808153	-697.291	.0352057
#2	1.875984	.2251218	4.071533	5.754498	-695.726	.0373106
#3	1.850473	.2279475	4.079602	5.841799	-694.389	.0358934

Reviewed By:danuta
On:11/15/2011
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Inst Id :P5

Sample Name: C4508-11 Acquired: 11/13/2011 20:39:24 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9QZ8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0030502	1633.069	3.837526	.0957667	1.809500	158.6770
Stddev	.0002924	4.442	.021684	.0004613	.019632	.6958
%RSD	9.586498	.2719880	.5650557	.4816891	1.084945	.4385221
#1	.0029106	1630.720	3.812737	.0953622	1.786977	157.9309
#2	.0033863	1638.192	3.846869	.0962691	1.818535	159.3083
#3	.0028537	1630.295	3.852973	.0956688	1.822988	158.7919

Elem	Sr4077
Units	ppm
Avg	F22.43303
Stddev	.15614
%RSD	.6960276
#1	22.25390
#2	22.54026
#3	22.50494

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	439.6461	5465.432	107613.6	21818.09	5369.804
Stddev	.1414	25.550	351.1	35.90	11.664
%RSD	.0321647	.4674835	.3262495	.1645548	.2172141
#1	439.6216	5436.371	107263.6	21859.48	5357.530
#2	439.5185	5475.561	107611.4	21795.33	5371.139
#3	439.7982	5484.364	107965.7	21799.47	5380.743

Reviewed By:danuta
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Inst Id :P5

Sample Name: C4508-12 Acquired: 11/13/2011 20:42:39 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0901022	-.004525	1.323715	.0026694	.0245364	71.89740
Stddev	.0026275	.001568	.004489	.0038652	.0006538	.06180
%RSD	2.916141	34.65955	.3391469	144.8002	2.664804	.0859605
#1	.0893403	-.006332	1.321763	.0029941	.0244212	71.89484
#2	.0930264	-.003725	1.328850	-.001348	.0252402	71.96044
#3	.0879398	-.003518	1.320533	.006362	.0239478	71.83692

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.142942	.0105402	.0375641	15.00494	.7753198	.0851920
Stddev	.003310	.0000651	.0001701	.08736	.0088135	.0003187
%RSD	.2896096	.6174877	.4529009	.5821802	1.136751	.3741381
#1	1.145736	.0104664	.0373929	14.92882	.7653658	.0848813
#2	1.143803	.0105647	.0377331	14.98568	.7784621	.0855182
#3	1.139287	.0105894	.0375664	15.10032	.7821315	.0851766

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5836575	151.0729	1.970665	17.86543	.2259124	.0107672
Stddev	.0017127	.5394	.004792	.07248	.0014389	.0001750
%RSD	.2934429	.3570427	.2431676	.4057038	.6369276	1.625552
#1	.5854367	150.5412	1.966594	17.86231	.2252134	.0105654
#2	.5835156	151.0578	1.969456	17.79455	.2275673	.0108583
#3	.5820202	151.6197	1.975946	17.93941	.2249565	.0108779

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.835125	.6888559	3.158178	5.367522	F-692.384	.0300615
Stddev	.097672	.0015001	.011271	.013774	1.744	.0026138
%RSD	5.322383	.2177676	.3568971	.2566112	.2519229	8.694743
#1	1.749704	.6888885	3.160018	5.380133	-693.549	.0274835
#2	1.941611	.6873398	3.146099	5.352824	-693.225	.0299912
#3	1.814061	.6903394	3.168416	5.369610	-690.379	.0327097

Reviewed By:danuta
On:11/15/2011
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Inst Id :P5

Sample Name: C4508-12 Acquired: 11/13/2011 20:42:39 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R01 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0099305	2835.220	3.788260	.0482086	6.399713	144.7946
Stddev	.0002072	6.024	.003315	.0011379	.008914	.9919
%RSD	2.086068	.2124756	.0874988	2.360303	.1392840	.6850278
#1	.0097006	2832.368	3.792013	.0485541	6.389483	145.7570
#2	.0101028	2842.141	3.787029	.0491336	6.403849	144.8511
#3	.0099879	2831.152	3.785736	.0469380	6.405808	143.7757

Elem	Sr4077
Units	ppm
Avg	F31.14023
Stddev	.27437
%RSD	.8810919
#1	31.43598
#2	31.09075
#3	30.89397

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	438.4207	5451.420	108333.8	21745.56	5395.580
Stddev	2.3612	23.663	106.2	92.63	23.995
%RSD	.5385585	.4340666	.0980305	.4259665	.4447158
#1	436.1294	5436.773	108291.3	21655.87	5383.360
#2	438.2867	5438.767	108454.7	21739.94	5380.155
#3	440.8460	5478.719	108255.5	21840.87	5423.225

Reviewed By:danuta
On:11/15/2011
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Inst Id :P5

Sample Name: C4508-13 Acquired: 11/13/2011 20:45:54 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R02 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1674924	-.005095	.9637387	.0058413	.0089658	69.70105
Stddev	.0018818	.000920	.0010652	.0022696	.0005473	.34115
%RSD	1.123505	18.06291	.1105236	38.85444	6.104391	.4894463
#1	.1689286	-.004037	.9630247	.0052216	.0094418	69.39993
#2	.1653621	-.005709	.9632284	.0039460	.0090877	69.63167
#3	.1681864	-.005540	.9649630	.0083564	.0083678	70.07156

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.166360	.0084312	.0221652	11.07247	.5819806	.0705737
Stddev	.001484	.0002439	.0001459	.05186	.0049767	.0001511
%RSD	.1271966	2.892757	.6580415	.4683650	.8551228	.2140573
#1	1.166584	.0085005	.0220027	11.02653	.5796726	.0705129
#2	1.164778	.0081602	.0222848	11.06217	.5785771	.0707457
#3	1.167720	.0086330	.0222081	11.12871	.5876923	.0704625

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4950451	134.6208	1.644552	18.35141	.1534346	.0014813
Stddev	.0029823	.5962	.007894	.11591	.0004615	.0001522
%RSD	.6024337	.4429092	.4799934	.6315936	.3007491	10.27498
#1	.4930497	134.0661	1.637583	18.24773	.1533337	.0016267
#2	.4936121	134.5448	1.642950	18.32994	.1539381	.0013231
#3	.4984734	135.2514	1.653124	18.47654	.1530319	.0014940

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.673158	.1914823	2.141514	5.296787	F-365.837	.0307432
Stddev	.055207	.0008972	.008934	.036607	.165	.0012358
%RSD	3.299582	.4685723	.4171994	.6911076	.0450143	4.019731
#1	1.653396	.1907026	2.145440	5.285708	-365.659	.0310111
#2	1.735527	.1912815	2.131289	5.266999	-365.869	.0293955
#3	1.630552	.1924630	2.147813	5.337653	-365.984	.0318231

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Inst Id :P5

Sample Name: C4508-13 Acquired: 11/13/2011 20:45:54 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R02 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032362	1016.813	3.878722	.0765694	1.698203	151.3876
Stddev	.0003329	.896	.011520	.0004853	.006330	.5487
%RSD	10.28572	.0881092	.2969945	.6337667	.3727387	.3624519
#1	.0030623	1015.978	3.875833	.0761241	1.699277	150.9050
#2	.0036199	1017.760	3.868922	.0770867	1.691405	151.2734
#3	.0030262	1016.701	3.891411	.0764976	1.703927	151.9844

Elem	Sr4077
Units	ppm
Avg	F 19.96790
Stddev	.11631
%RSD	.5825018
#1	19.83402
#2	20.04413
#3	20.02556

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	441.0960	5500.806	107769.8	21827.32	5443.409
Stddev	3.1935	15.394	172.0	35.29	9.902
%RSD	.7240002	.2798500	.1595794	.1616772	.1819007
#1	437.7366	5489.240	107610.7	21786.66	5437.414
#2	441.4585	5494.901	107952.2	21845.33	5437.976
#3	444.0927	5518.279	107746.5	21849.97	5454.838

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4508-14 Acquired: 11/13/2011 20:49:10 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R04 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0917210	-.004854	3.752069	.0025390	.0342679	56.46966
Stddev	.0019371	.001224	.003829	.0023133	.0006347	.67071
%RSD	2.111971	25.21459	.1020631	91.11135	1.852245	1.187737
#1	.0903419	-.003447	3.748356	.0050933	.0336658	57.20853
#2	.0908854	-.005667	3.751845	.0005853	.0349309	56.30124
#3	.0939357	-.005449	3.756005	.0019383	.0342069	55.89921

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8323105	.0092750	.0322642	11.28099	.6403101	.0647664
Stddev	.0133779	.0003025	.0000657	.08549	.0080402	.0002428
%RSD	1.607318	3.261610	.2037290	.7578636	1.255676	.3749248
#1	.8449045	.0096151	.0322286	11.37202	.6310298	.0645319
#2	.8337600	.0090360	.0323401	11.26855	.6447224	.0647506
#3	.8182668	.0091740	.0322240	11.20240	.6451782	.0650168

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5390681	151.1421	2.358267	14.06430	.1844855	.0090295
Stddev	.0061974	1.2374	.022227	.11437	.0015650	.0003022
%RSD	1.149652	.8186937	.9424985	.8132198	.8482934	3.346813
#1	.5459280	152.5673	2.383314	14.18495	.1835522	.0092733
#2	.5374027	150.5176	2.350588	14.05049	.1862922	.0086914
#3	.5338735	150.3413	2.340898	13.95746	.1836120	.0091237

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.349449	.5324248	2.926939	4.639552	F-847.825	.0299342
Stddev	.072623	.0061308	.020957	.040051	.944	.0015103
%RSD	5.381661	1.151480	.7159906	.8632506	.1113512	5.045306
#1	1.307101	.5392264	2.947992	4.685562	-847.490	.0312386
#2	1.433305	.5307241	2.926744	4.612505	-848.890	.0302846
#3	1.307941	.5273239	2.906081	4.620588	-847.093	.0282796

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4508-14 Acquired: 11/13/2011 20:49:10 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R04 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0070668	2317.486	3.830027	.0468842	4.208504	113.5582
Stddev	.0000184	3.570	.057640	.0006430	.040443	2.1354
%RSD	.2598414	.1540434	1.504946	1.371418	.9609856	1.880444
#1	.0070532	2313.591	3.894634	.0476256	4.253809	115.6854
#2	.0070877	2320.603	3.783873	.0464787	4.195659	113.5745
#3	.0070595	2318.265	3.811575	.0465484	4.176043	111.4147

Elem	Sr4077
Units	ppm
Avg	F22.22732
Stddev	.40551
%RSD	1.824375
#1	22.60521
#2	22.27781
#3	21.79892

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	430.0667	5411.700	107120.4	21295.04	5451.832
Stddev	7.1237	14.556	491.3	280.14	7.074
%RSD	1.656422	.2689680	.4586146	1.315502	.1297630
#1	424.1525	5401.395	107533.9	20988.44	5449.791
#2	428.0726	5405.353	106577.3	21359.04	5446.002
#3	437.9750	5428.351	107249.9	21537.63	5459.702

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4508-15 Acquired: 11/13/2011 20:52:25 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R05 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0261509	-.005260	.1189234	-.005227	.0042588	99.63186
Stddev	.0012294	.000511	.0017430	.001744	.0014353	.16962
%RSD	4.701081	9.720211	1.465642	33.35982	33.70213	.1702442
#1	.0274359	-.005678	.1169845	-.003489	.0026541	99.43751
#2	.0260308	-.005411	.1203603	-.005217	.0047022	99.70803
#3	.0249859	-.004690	.1194254	-.006976	.0054200	99.75004

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8613700	.0081223	.0108148	12.03286	.2715702	.0752073
Stddev	.0012826	.0002269	.0000740	.04003	.0022699	.0007340
%RSD	.1489003	2.793074	.6839374	.3326761	.8358502	.9759182
#1	.8626358	.0081423	.0107999	12.07276	.2697381	.0745135
#2	.8614030	.0078861	.0107494	11.99270	.2708628	.0751325
#3	.8600713	.0083384	.0108950	12.03312	.2741095	.0759757

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0413747	186.2901	2.103890	31.33462	.1553280	-.004345
Stddev	.0010929	.2726	.003530	.09970	.0015378	.000155
%RSD	2.641463	.1463560	.1677697	.3181880	.9900192	3.566436
#1	.0419648	186.4454	2.105904	31.38256	.1536020	-.004167
#2	.0420457	185.9753	2.099814	31.22000	.1558295	-.004452
#3	.0401136	186.4497	2.105952	31.40130	.1565524	-.004416

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.658108	.2607732	.4617835	5.859642	F-191.277	.0331348
Stddev	.043762	.0012995	.0037458	.022484	1.005	.0013462
%RSD	2.639263	.4983413	.8111526	.3837091	.5252948	4.062723
#1	1.615529	.2592915	.4577875	5.868305	-190.959	.0332612
#2	1.655830	.2617194	.4623480	5.876507	-190.470	.0344133
#3	1.702964	.2613087	.4652150	5.834116	-192.403	.0317298

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4508-15 Acquired: 11/13/2011 20:52:25 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R05 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003836	167.9322	3.636170	-.005472	2.517055	220.0440
Stddev	.0003981	1.2415	.011236	.000994	.003940	1.1321
%RSD	103.7790	.7393021	.3090197	18.15669	.1565235	.5144838
#1	.0000628	166.7461	3.645374	-.004385	2.513537	219.2933
#2	.0002589	167.8280	3.623648	-.006332	2.516317	221.3461
#3	.0008291	169.2226	3.639487	-.005700	2.521312	219.4926

Elem	Sr4077
Units	ppm
Avg	F21.80173
Stddev	.09061
%RSD	.4156254
#1	21.83711
#2	21.86932
#3	21.69877

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	443.4753	5530.079	107863.3	21827.11	5336.796
Stddev	3.1133	9.720	359.1	126.87	22.711
%RSD	.7020186	.1757684	.3329003	.5812501	.4255492
#1	445.3951	5526.081	107768.7	21700.00	5347.875
#2	439.8832	5541.161	107561.0	21827.60	5351.841
#3	445.1475	5522.996	108260.2	21953.74	5310.672

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4508-16 Acquired: 11/13/2011 20:55:43 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R06 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0357275	-.006809	.0687229	-.000706	.0029182	72.75988
Stddev	.0019419	.000704	.0020597	.000598	.0006703	.21811
%RSD	5.435218	10.34313	2.997129	84.73508	22.97005	.2997674
#1	.0346362	-.006321	.0663982	-.000099	.0036848	72.51850
#2	.0379695	-.006489	.0703200	-.000724	.0026281	72.81835
#3	.0345768	-.007616	.0694506	-.001295	.0024419	72.94280

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6274114	.0061243	.0073868	13.76139	.2070868	.0564739
Stddev	.0016103	.0000871	.0000433	.02020	.0036591	.0004674
%RSD	.2566578	1.422670	.5859676	.1467984	1.766948	.8275457
#1	.6291341	.0060890	.0074292	13.75178	.2031945	.0561814
#2	.6271562	.0060604	.0073885	13.74779	.2076096	.0570129
#3	.6259439	.0062236	.0073427	13.78460	.2104565	.0562275

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0407868	124.4340	2.042556	26.78919	.1283625	-.002553
Stddev	.0009568	.6782	.010145	.12106	.0003462	.000198
%RSD	2.345872	.5450506	.4966907	.4518868	.2696743	7.768433
#1	.0412114	124.1114	2.035009	26.67203	.1282986	-.002692
#2	.0414578	123.9773	2.038571	26.78176	.1287362	-.002640
#3	.0396911	125.2133	2.054089	26.91380	.1280528	-.002326

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.624322	.2100329	.3508546	7.312680	F-140.013	.0321455
Stddev	.058292	.0008485	.0041866	.025411	.703	.0019951
%RSD	3.588715	.4040049	1.193269	.3474968	.5018242	6.206564
#1	1.599303	.2109903	.3517928	7.284250	-140.692	.0300674
#2	1.690948	.2097348	.3462784	7.320608	-140.059	.0323236
#3	1.582716	.2093736	.3544925	7.333182	-139.289	.0340457

Reviewed By:danuta
On:11/15/2011
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Inst Id :P5

Sample Name: C4508-16 Acquired: 11/13/2011 20:55:43 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R06 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009774	616.1772	3.486102	-.006894	2.534597	168.2168
Stddev	.0000178	2.6958	.013515	.000855	.009855	.5296
%RSD	1.819253	.4374980	.3876779	12.39952	.3888202	.3148308
#1	.0009575	617.1833	3.489831	-.007290	2.526644	168.8027
#2	.0009918	618.2253	3.471113	-.007479	2.531525	168.0756
#3	.0009827	613.1231	3.497360	-.005913	2.545622	167.7721

Elem	Sr4077
Units	ppm
Avg	F20.38123
Stddev	.07335
%RSD	.3598680
#1	20.44381
#2	20.39936
#3	20.30052

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	436.1625	5490.835	107986.7	21838.85	5417.691
Stddev	2.4292	29.759	323.1	141.28	26.043
%RSD	.5569514	.5419791	.2992124	.6469007	.4806952
#1	433.8250	5458.880	107614.0	21682.27	5394.571
#2	438.6741	5495.866	108158.1	21956.77	5412.598
#3	435.9884	5517.757	108188.0	21877.51	5445.904

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4508-17 Acquired: 11/13/2011 20:59:02 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R12 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0316483	-.004948	.3904766	.0057185	.0089222	29.43333
Stddev	.0010586	.000945	.0024351	.0034593	.0009019	.83141
%RSD	3.344810	19.09786	.6236193	60.49225	10.10890	2.824708
#1	.0309776	-.004064	.3932788	.0034414	.0078886	28.48173
#2	.0310985	-.005944	.3888742	.0096992	.0093288	29.79924
#3	.0328686	-.004836	.3892769	.0040151	.0095494	30.01903

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3818928	.0041903	.0113279	8.387553	.2014881	.0431265
Stddev	.0086944	.0001500	.0001099	.251094	.0014167	.0002820
%RSD	2.276665	3.580742	.9705416	2.993653	.7031409	.6539731
#1	.3718757	.0040566	.0114436	8.100344	.2007969	.0434491
#2	.3874817	.0041616	.0113155	8.496783	.2031177	.0429264
#3	.3863210	.0043526	.0112248	8.565532	.2005495	.0430040

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2047078	62.55590	.7223928	8.544216	.0909987	.0028082
Stddev	.0056516	1.85696	.0211496	.286798	.0007097	.0000919
%RSD	2.760819	2.968488	2.927715	3.356635	.7799572	3.273035
#1	.1982093	60.41644	.6980844	8.214377	.0909641	.0028526
#2	.2084741	63.50174	.7325139	8.683490	.0917251	.0027025
#3	.2074400	63.74951	.7365800	8.734781	.0903068	.0028695

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.148007	.1486315	1.249356	3.098132	F-185.833	.0205953
Stddev	.022221	.0041247	.019949	.091038	.393	.0015654
%RSD	1.935650	2.775137	1.596707	2.938484	.2116479	7.600657
#1	1.167827	.1442795	1.226643	2.993377	-186.156	.0195791
#2	1.152210	.1491316	1.257390	3.158103	-185.947	.0198088
#3	1.123984	.1524834	1.264035	3.142916	-185.395	.0223980

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4508-17 Acquired: 11/13/2011 20:59:02 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R12 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0058076	1879.379	3.757236	.0169808	1.514609	67.25343
Stddev	.0001612	5.832	.102802	.0004382	.038200	1.78502
%RSD	2.775267	.3103277	2.736105	2.580598	2.522080	2.654165
#1	.0057159	1885.260	3.640125	.0167154	1.470845	65.20297
#2	.0059937	1879.282	3.798999	.0167405	1.531718	68.46031
#3	.0057131	1873.596	3.832584	.0174866	1.541263	68.09702

Elem	Sr4077
Units	ppm
Avg	F 11.81163
Stddev	.30485
%RSD	2.580936
#1	11.46037
#2	11.96742
#3	12.00712

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	426.8675	5363.122	105766.0	21395.14	5596.932
Stddev	3.6936	28.520	261.6	441.61	31.103
%RSD	.8652836	.5317842	.2473593	2.064051	.5557224
#1	431.1316	5336.569	105722.1	21904.05	5563.851
#2	424.8105	5359.528	105529.1	21168.53	5601.362
#3	424.6603	5393.269	106046.8	21112.84	5625.582

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4508-18 Acquired: 11/13/2011 21:02:21 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R13 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0750782	-.004543	1.063858	.0034548	.0218270	52.88406
Stddev	.0003718	.000289	.005273	.0023546	.0012179	.17823
%RSD	.4952570	6.365362	.4956604	68.15452	5.579902	.3370236
#1	.0748341	-.004635	1.062829	.0057652	.0216630	52.86727
#2	.0755061	-.004220	1.059174	.0035407	.0231186	52.71482
#3	.0748944	-.004776	1.069569	.0010584	.0206993	53.07009

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8157940	.0091691	.0286642	10.89028	.6158871	.0735687
Stddev	.0034690	.0001012	.0000549	.04074	.0053217	.0002944
%RSD	.4252338	1.103171	.1916218	.3740804	.8640716	.4002239
#1	.8171663	.0092149	.0286598	10.88806	.6104601	.0732316
#2	.8118488	.0090531	.0286115	10.85069	.6161046	.0737756
#3	.8183670	.0092392	.0287211	10.93208	.6210968	.0736989

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4913270	108.0836	1.253633	12.46579	.1925513	.0087223
Stddev	.0006127	.4380	.005600	.01485	.0006841	.0001456
%RSD	.1247090	.4052257	.4467169	.1191480	.3552953	1.669007
#1	.4909412	107.9499	1.251967	12.47541	.1919698	.0088635
#2	.4910062	107.7280	1.249054	12.44869	.1923791	.0085727
#3	.4920335	108.5728	1.259876	12.47329	.1933051	.0087306

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.547572	.4577950	2.752807	4.008264	F-440.987	.0223048
Stddev	.092206	.0024363	.014620	.031698	1.300	.0008650
%RSD	5.958098	.5321916	.5310780	.7908231	.2946991	3.878113
#1	1.531700	.4583591	2.738853	4.002486	-442.360	.0215361
#2	1.646684	.4551261	2.768012	3.979853	-439.775	.0232415
#3	1.464333	.4598999	2.751554	4.042454	-440.826	.0221368

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4508-18 Acquired: 11/13/2011 21:02:21 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R13 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0109980	3453.865	3.628820	.0379483	3.428488	105.4871
Stddev	.0002419	5.158	.008275	.0010408	.011404	.5173
%RSD	2.199414	.1493484	.2280270	2.742704	.3326302	.4904271
#1	.0111766	3450.131	3.623909	.0389560	3.430889	105.4219
#2	.0110946	3451.714	3.624178	.0368773	3.416074	105.0054
#3	.0107227	3459.751	3.638374	.0380114	3.438500	106.0339

Elem	Sr4077
Units	ppm
Avg	F20.76545
Stddev	.09981
%RSD	.4806628
#1	20.77532
#2	20.66107
#3	20.85996

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	433.2523	5427.108	107004.9	21473.42	5507.465
Stddev	3.4503	11.987	49.7	86.34	10.975
%RSD	.7963818	.2208688	.0464577	.4020623	.1992696
#1	430.9020	5413.987	106958.2	21374.29	5498.718
#2	431.6414	5437.483	106999.3	21513.88	5519.780
#3	437.2135	5429.856	107057.1	21532.11	5503.898

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4508-19 Acquired: 11/13/2011 21:05:37 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R14 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1541869	-.003228	1.044890	.0062400	.0102734	64.22256
Stddev	.0014174	.001774	.005517	.0012185	.0007535	.27675
%RSD	.9192884	54.97937	.5279883	19.52640	7.334595	.4309274
#1	.1553692	-.004425	1.047444	.0049207	.0108034	64.18055
#2	.1526156	-.004069	1.038559	.0064766	.0094108	64.51792
#3	.1545759	-.001189	1.048667	.0073229	.0106059	63.96922

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8455668	.0084649	.0403851	13.14177	.5729118	.0805001
Stddev	.0046650	.0003888	.0003236	.07125	.0047424	.0001989
%RSD	.5517068	4.592886	.8014027	.5421922	.8277749	.2470255
#1	.8446029	.0080414	.0404408	13.06918	.5714373	.0806900
#2	.8506385	.0088057	.0400372	13.21161	.5690819	.0802934
#3	.8414590	.0085475	.0406773	13.14453	.5782164	.0805168

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6741968	129.5210	1.868360	17.74875	.1818144	.0079265
Stddev	.0015574	.5927	.010102	.08709	.0015319	.0001008
%RSD	.2309966	.4575774	.5406981	.4906554	.8425707	1.271616
#1	.6734670	128.9582	1.860316	17.67668	.1819331	.0078603
#2	.6759851	130.1396	1.879698	17.84552	.1802266	.0078767
#3	.6731384	129.4653	1.865066	17.72407	.1832835	.0080425

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.788136	.2000593	4.057498	5.486484	F-353.639	.0314527
Stddev	.042649	.0007258	.032427	.056439	1.210	.0018890
%RSD	2.385114	.3628014	.7991970	1.028687	.3421388	6.005956
#1	1.837367	.1993150	4.044144	5.457215	-354.239	.0301747
#2	1.764606	.2000979	4.094470	5.551545	-352.247	.0305608
#3	1.762436	.2007651	4.033880	5.450693	-354.432	.0336225

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4508-19 Acquired: 11/13/2011 21:05:37 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R14 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0060254	2454.799	3.367540	.0567289	1.839837	145.4329
Stddev	.0001557	12.022	.009792	.0015943	.005518	1.6088
%RSD	2.583473	.4897181	.2907867	2.810420	.2999402	1.106189
#1	.0061184	2460.048	3.374113	.0581141	1.837301	145.1771
#2	.0058457	2441.045	3.372222	.0549862	1.846168	147.1543
#3	.0061121	2463.303	3.356286	.0570863	1.836043	143.9674

Elem	Sr4077
Units	ppm
Avg	F22.89797
Stddev	.20126
%RSD	.8789272
#1	22.87219
#2	23.11087
#3	22.71084

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	434.6639	5475.434	107855.9	21536.41	5448.810
Stddev	6.1474	18.507	251.6	150.52	21.397
%RSD	1.414286	.3379947	.2333199	.6989321	.3926923
#1	433.3900	5459.795	107689.7	21537.47	5431.030
#2	429.2533	5495.865	107732.6	21385.36	5472.558
#3	441.3485	5470.641	108145.4	21686.41	5442.844

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4508-20 Acquired: 11/13/2011 21:08:53 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R15 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1109107	-.003675	.2471797	.0049597	.0046711	14.71289
Stddev	.0024932	.000519	.0014244	.0000979	.0010803	.54909
%RSD	2.247973	14.11966	.5762692	1.974127	23.12786	3.732022
#1	.1107092	-.003340	.2455358	.0048770	.0056484	15.34692
#2	.1134986	-.004273	.2479552	.0050678	.0035111	14.39460
#3	.1085243	-.003413	.2480480	.0049342	.0048538	14.39715

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2231802	.0023256	.0055087	10.26607	.0785783	.0146117
Stddev	.0097012	.0000372	.0000498	.38592	.0004202	.0002363
%RSD	4.346817	1.601945	.9042036	3.759218	.5347019	1.617137
#1	.2343811	.0023550	.0054621	10.71108	.0788025	.0143740
#2	.2174422	.0023380	.0055028	10.02321	.0788389	.0146144
#3	.2177174	.0022837	.0055612	10.06393	.0780936	.0148466

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0892170	45.44246	.7421266	2.921317	.0342416	-.000250
Stddev	.0037895	1.69392	.0282359	.089873	.0001892	.000142
%RSD	4.247552	3.727625	3.804724	3.076466	.5525928	56.82769
#1	.0934797	47.39828	.7745203	3.021887	.0340233	-.000098
#2	.0862296	44.44338	.7227286	2.893198	.0343428	-.000273
#3	.0879417	44.48572	.7291307	2.848865	.0343587	-.000380

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.084901	.0919668	.5381003	.8213244	F-123.600	.0141268
Stddev	.075173	.0029130	.0117439	.0359229	.464	.0020156
%RSD	6.929027	3.167432	2.182464	4.373780	.3756334	14.26756
#1	1.170402	.0949036	.5516605	.8626873	-123.164	.0146144
#2	1.055123	.0919186	.5314175	.8033422	-123.546	.0119122
#3	1.029180	.0890783	.5312229	.7979436	-124.088	.0158539

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4508-20 Acquired: 11/13/2011 21:08:53 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R15 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0027906	2105.161	3.243909	.0087701	.4559217	19.32314
Stddev	.0001324	7.172	.127472	.0003188	.0169262	1.19703
%RSD	4.746186	.3407094	3.929590	3.635132	3.712513	6.194823
#1	.0027750	2097.276	3.390674	.0091152	.4754473	20.47614
#2	.0029301	2111.299	3.160823	.0084865	.4454115	19.40681
#3	.0026666	2106.907	3.180230	.0087088	.4469064	18.08646

Elem	Sr4077
Units	ppm
Avg	F 13.81277
Stddev	.56081
%RSD	4.060114
#1	14.45997
#2	13.47017
#3	13.50816

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	412.5402	5328.680	105524.7	20371.75	5729.646
Stddev	11.6264	21.437	383.3	810.88	11.895
%RSD	2.818241	.4022865	.3632009	3.980398	.2076131
#1	399.1153	5307.046	105923.3	19435.61	5724.632
#2	419.3025	5329.079	105491.9	20855.65	5721.079
#3	419.2028	5349.913	105158.8	20823.99	5743.228

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4508-21 Acquired: 11/13/2011 21:12:15 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R16 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0917472	-.002596	.0372354	-.001391	.0047724	26.71361	.1333996
Stddev	.0013426	.000390	.0011076	.001560	.0013036	.25180	.0017823
%RSD	1.463411	15.03114	2.974509	112.1214	27.31601	.9425884	1.336032
#1	.0932454	-.002575	.0384147	.000026	.0062553	26.89673	.1352038
#2	.0906529	-.002216	.0370745	-.003062	.0038070	26.81763	.1333549
#3	.0913431	-.002996	.0362172	-.001138	.0042549	26.42647	.1316401

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0048591	.0068966	2.477124	.1116657	.0148299	.0107659	133.7535
Stddev	.0002111	.0001123	.021691	.0012398	.0003121	.0004695	.9140
%RSD	4.344372	1.628766	.8756384	1.110312	2.104413	4.361126	.6833514
#1	.0046692	.0069932	2.494429	.1102379	.0146104	.0105854	134.5106
#2	.0048217	.0069233	2.484151	.1124708	.0146921	.0104135	134.0117
#3	.0050864	.0067733	2.452790	.1122883	.0151871	.0112989	132.7381

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2950262	2.656883	.0368528	-.003284	.9565908	.3400365	.1873411
Stddev	.0028591	.022007	.0003081	.000155	.0453341	.0029331	.0030382
%RSD	.9690904	.8282951	.8359077	4.718582	4.739136	.8625991	1.621762
#1	.2980928	2.666621	.0372043	-.003460	1.006972	.3413954	.1865330
#2	.2945517	2.672340	.0366296	-.003167	.943707	.3420438	.1907016
#3	.2924341	2.631687	.0367244	-.003225	.919093	.3366704	.1847886

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.593686	F-160.004	.0285934	.0008102	120.3757	2.799784	-.002642
Stddev	.033243	.997	.0017723	.0001660	.8206	.032923	.000927
%RSD	1.281679	.6227975	6.198336	20.48831	.6817319	1.175916	35.08916
#1	2.617279	-160.794	.0289997	.0010004	121.1282	2.831556	-.003173
#2	2.555668	-160.333	.0266532	.0007359	120.4983	2.801975	-.001572
#3	2.608112	-158.885	.0301272	.0006944	119.5007	2.765820	-.003183

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4508-21 Acquired: 11/13/2011 21:12:15 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R16 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.5199023	21.12934	4.169310
Stddev	.0055322	.84153	.080903
%RSD	1.064091	3.982768	1.940432
#1	.5242439	21.84142	4.238902
#2	.5217895	21.34590	4.188485
#3	.5136733	20.20069	4.080542

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	425.7989	5401.377	105480.4	20590.34	5666.035
Stddev	4.3545	27.718	622.4	238.36	23.467
%RSD	1.022668	.5131603	.5901042	1.157613	.4141640
#1	422.9657	5376.304	105071.0	20346.05	5641.217
#2	423.6180	5396.686	105173.6	20602.69	5669.022
#3	430.8129	5431.141	106196.7	20822.28	5687.865

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCV Acquired: 11/13/2011 21:15:36 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV22 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.885999	4.847270	23.84024	4.856963	4.882354	152.7891
Stddev	.008856	.002428	.05512	.009696	.007170	.2965
%RSD	.1812568	.0500898	.2312189	.1996281	.1468482	.1940568
#1	4.880699	4.847545	23.79862	4.850929	4.884990	152.6219
#2	4.896223	4.849549	23.81935	4.868147	4.887834	152.6139
#3	4.881076	4.844716	23.90276	4.851812	4.874240	153.1314

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.898082	.4754479	2.407227	243.1524	14.72483	2.404458
Stddev	.108044	.0017758	.004414	1.5896	.12912	.003360
%RSD	1.091567	.3735090	.1833478	.6537458	.8769022	.1397545
#1	9.773412	.4744050	2.403210	241.3809	14.77075	2.401803
#2	9.956342	.4744404	2.406519	243.6223	14.82471	2.403335
#3	9.964493	.4774984	2.411952	244.4541	14.57902	2.408236

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.10616	138.9734	14.28297	228.6670	2.424981	1.181755
Stddev	.02675	.6299	.07460	1.0663	.003708	.009714
%RSD	.1770888	.4532428	.5222814	.4663050	.1528904	.8220278
#1	15.13564	138.3357	14.20252	227.4475	2.420957	1.183946
#2	15.08344	138.9894	14.29654	229.1297	2.425730	1.190186
#3	15.09938	139.5952	14.34985	229.4237	2.428258	1.171132

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	147.8179	2.435948	14.28791	146.0450	F-143.133	4.811859
Stddev	.3629	.005225	.07666	.2006	.443	.018743
%RSD	.2455184	.2144832	.5365589	.1373215	.3097945	.3895224
#1	147.5238	2.435761	14.37621	146.2765	-143.286	4.795285
#2	147.7064	2.430820	14.23837	145.9239	-143.479	4.808092
#3	148.2235	2.441264	14.24913	145.9346	-142.633	4.832200

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCV Acquired: 11/13/2011 21:15:36 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV22 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.060572	236.2187	4.958954	4.845390	4.954069	F3012.049
Stddev	.009409	.5669	.014034	.014543	.012603	4.242
%RSD	.1859218	.2400067	.2830084	.3001321	.2543948	.1408359
#1	5.052081	235.5684	4.945938	4.834727	4.942481	3007.255
#2	5.070687	236.6085	4.973823	4.839487	4.952239	3013.575
#3	5.058949	236.4794	4.957100	4.861956	4.967487	3015.316

Elem	Sr4077
Units	ppm
Avg	F455.1654
Stddev	3.0118
%RSD	.6616976
#1	451.8347
#2	455.9642
#3	457.6972

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	380.2312	4694.041	92598.96	19227.67	4528.936
Stddev	2.4298	11.358	897.23	51.10	3.190
%RSD	.6390398	.2419611	.9689446	.2657624	.0704335
#1	377.4451	4693.840	92389.91	19286.07	4529.700
#2	381.3373	4682.785	91824.71	19205.82	4525.433
#3	381.9112	4705.497	93582.26	19191.14	4531.674

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCB Acquired: 11/13/2011 21:18:56 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB22 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004454	.0035451	.0002313	.0003049	-.000032	.0110651
Stddev	.0010776	.0009040	.0004310	.0019432	.001540	.0081755
%RSD	241.9372	25.50078	186.3606	637.2754	4798.546	73.88535
#1	.0012863	.0038544	.0006593	-.000380	.000902	.0203331
#2	.0008192	.0042539	.0002371	-.001203	.000811	.0079858
#3	-.000769	.0025270	-.000203	.002498	-.001809	.0048764

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000708	-.000196	.0000111	-.000843	.0007400	.0000404
Stddev	.000331	.000118	.0000285	.007600	.0007328	.0001409
%RSD	46.81637	60.29343	256.1048	901.9926	99.02128	348.9814
#1	-.000337	-.000145	.0000415	.006012	.0015450	.0000159
#2	-.000812	-.000112	-.000015	-.009015	.0001118	.0001919
#3	-.000975	-.000332	.000007	.000476	.0005632	-.000087

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002100	.0235263	-.000048	-.003064	-.000197	-.000286
Stddev	.000795	.0290962	.000072	.002125	.000252	.000111
%RSD	37.84447	123.6753	151.1288	69.34552	127.7008	38.94227
#1	-.001236	.0570987	.000028	-.004749	-.000434	-.000403
#2	-.002800	.0078609	-.000055	-.000677	-.000225	-.000273
#3	-.002265	.0056192	-.000116	-.003766	.000067	-.000181

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1345916	.0009864	.0001128	.0402357	.1992838	.0072459
Stddev	.0584681	.0007918	.0020656	.0189112	.0620275	.0004278
%RSD	43.44110	80.26908	1831.785	47.00101	31.12521	5.904609
#1	.1926490	.0002157	.0022379	.0258986	.2119006	.0074557
#2	.0757213	.0009458	-.000012	.0331400	.1319179	.0075283
#3	.1354045	.0017978	-.001888	.0616686	.2540329	.0067537

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCB Acquired: 11/13/2011 21:18:56 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB22 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0050271	-.115260	.0246803	.0000123	-.000981	F.1154588
Stddev	.0011737	.397560	.0132278	.0001756	.000725	.3468989
%RSD	23.34765	344.9258	53.59650	1432.726	73.87691	300.4526
#1	.0062696	.300508	.0399500	.0000069	-.000463	-.250115
#2	.0048745	-.154599	.0173648	-.000161	-.000671	.440040
#3	.0039372	-.491687	.0167261	.000190	-.001810	.156452

Elem	Sr4077
Units	ppm
Avg	.0009511
Stddev	.0062092
%RSD	652.8434
#1	.0078982
#2	-.004058
#3	-.000987

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	425.0970	5491.241	105762.0	20256.00	5959.226
Stddev	4.0291	4.935	460.5	60.27	11.741
%RSD	.9478183	.0898622	.4354404	.2975547	.1970250
#1	420.4977	5485.597	105528.1	20325.58	5946.767
#2	428.0038	5494.741	105465.3	20219.79	5960.823
#3	426.7896	5493.385	106292.5	20222.63	5970.086

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: PB59189BL Acquired: 11/13/2011 21:22:23 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: PBS01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014001	.0010326	.0009102	-.000725	-.000059	.0039458	-.000855
Stddev	.0021379	.0016775	.0007663	.001555	.000695	.0031144	.000107
%RSD	152.6884	162.4579	84.18811	214.5559	1168.411	78.92916	12.46103
#1	.0004719	.0029329	.0000744	.001048	.000453	.0058914	-.000866
#2	-.000117	.0004070	.0015796	-.001858	-.000851	.0003538	-.000956
#3	.003845	-.000242	.0010767	-.001364	.000219	.0055924	-.000744

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000011	-.000006	-.003528	.0003362	.0001949	-.004094	.0030162
Stddev	.000060	.000033	.004338	.0014113	.0001008	.000898	.0027040
%RSD	566.7264	594.1732	122.9742	419.8078	51.73955	21.94399	89.64931
#1	.000014	-.000038	.000787	.0003827	.0001344	-.005117	.0060111
#2	.000034	-.000008	-.007889	.0017237	.0003113	-.003730	.0007539
#3	-.000079	.000028	-.003481	-.001098	.0001389	-.003435	.0022838

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000067	.0053427	-.000092	-.000430	.0871976	.0006163	-.001312
Stddev	.000152	.0089669	.000331	.000155	.0549931	.0005804	.001086
%RSD	228.0709	167.8358	359.1312	36.05505	63.06720	94.16923	82.78165
#1	-.000000	.0027530	-.000178	-.000325	.0471319	.0011115	-.000092
#2	.000041	-.002044	.000273	-.000608	.1498954	.0007599	-.002172
#3	-.000241	.015320	-.000371	-.000357	.0645655	-.000022	-.001672

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0266937	.2090546	.0015899	.0013941	.2131288	.0208570	-.000094
Stddev	.0051611	.0801043	.0021330	.0002003	.1728055	.0131596	.000349
%RSD	19.33433	38.31740	134.1587	14.36967	81.08028	63.09412	371.0298
#1	.0207352	.2557306	.0009180	.0016126	.3600214	.0360388	.000140
#2	.0297668	.2548739	-.000126	.0012191	.0227268	.0138235	-.000494
#3	.0295791	.1165595	.003978	.0013505	.2566383	.0127088	.000072

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: PB59189BL Acquired: 11/13/2011 21:22:23 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: PBS01 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.001441	F-.342713	-.007573
Stddev	.000696	.587524	.007187
%RSD	48.27529	171.4331	94.90878
#1	-.002013	.303005	-.013027
#2	-.001642	-.485377	.000571
#3	-.000667	-.845769	-.010263

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	422.6978	5489.736	105003.0	20192.21	5946.378
Stddev	1.5968	28.458	244.5	45.16	37.666
%RSD	.3777565	.5183849	.2328968	.2236446	.6334354
#1	421.7126	5487.210	105029.6	20180.27	5930.652
#2	424.5401	5462.626	105233.1	20242.13	5919.123
#3	421.8406	5519.373	104746.2	20154.21	5989.359

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: PB59189BS Acquired: 11/13/2011 21:25:49 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: LCS01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0182582	.0519594	.0207246	.0644792	.1121530	.3801835	.4079588
Stddev	.0010239	.0021395	.0008708	.0007011	.0011086	.0019933	.0014681
%RSD	5.608059	4.117680	4.201959	1.087336	.9884847	.5242934	.3598624
#1	.0192741	.0543729	.0208860	.0639585	.1129847	.3820968	.4085581
#2	.0182742	.0502954	.0215034	.0642027	.1125799	.3803347	.4090324
#3	.0172264	.0512101	.0197843	.0652764	.1108944	.3781189	.4062858

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0095315	.0098327	9.836193	.0183839	.0888982	.0466798	.2000934
Stddev	.0001605	.0000709	.027400	.0011014	.0002774	.0008806	.0014182
%RSD	1.683953	.7207531	.2785663	5.990874	.3120174	1.886367	.7087542
#1	.0096713	.0097829	9.806156	.0184762	.0888862	.0462228	.1987162
#2	.0093562	.0098013	9.842602	.0172393	.0891814	.0461217	.2000148
#3	.0095669	.0099138	9.859821	.0194361	.0886270	.0476949	.2015493

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0310410	8.785251	.0787716	.0187773	9.896063	.0941104	.1121597
Stddev	.0004471	.049988	.0003730	.0001152	.069934	.0014081	.0008160
%RSD	1.440369	.5689961	.4735880	.6135140	.7066898	1.496188	.7275409
#1	.0308379	8.732587	.0787554	.0188906	9.944266	.0925610	.1117006
#2	.0307315	8.791121	.0791525	.0187812	9.928070	.0944584	.1131018
#3	.0315536	8.832044	.0784069	.0186603	9.815853	.0953119	.1116767

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.517752	.0726466	.0004120	.0003468	.2449789	.0028245	.0002298
Stddev	.039436	.0181778	.0023872	.0001397	.3298854	.0103639	.0001462
%RSD	.4143433	25.02226	579.3618	40.29026	134.6587	366.9358	63.60039
#1	9.527082	.0558477	.0018112	.0005008	.1548818	.0147705	.0002942
#2	9.551686	.0919448	.0017692	.0002282	-.030498	-.003765	.0000625
#3	9.474487	.0701475	-.002344	.0003113	.610552	-.002532	.0003328

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: PB59189BS Acquired: 11/13/2011 21:25:49 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: LCS01 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	-.001804	-.302453	.1986769
Stddev	.000421	.299630	.0082190
%RSD	23.36862	99.06658	4.136876
#1	-.002066	-.603469	.2056975
#2	-.002027	-.299663	.1896362
#3	-.001317	-.004228	.2006970

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	419.7942	5390.322	104196.4	20162.50	5699.122
Stddev	1.2657	29.823	405.5	124.10	15.064
%RSD	.3015154	.5532662	.3891587	.6154808	.2643163
#1	418.3327	5359.614	103826.9	20022.47	5694.837
#2	420.5250	5392.177	104630.2	20258.83	5686.665
#3	420.5250	5419.173	104132.3	20206.21	5715.864

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4509-01 Acquired: 11/13/2011 21:29:14 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9QZ9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1293830	-.008384	.0762784	.0176327	.0052879	38.82555
Stddev	.0004755	.001284	.0009501	.0013913	.0010422	.05809
%RSD	.3675528	15.31976	1.245619	7.890288	19.70957	.1496122
#1	.1291969	-.007227	.0751859	.0174006	.0059089	38.78014
#2	.1290286	-.009766	.0767375	.0191253	.0040847	38.89101
#3	.1299234	-.008159	.0769117	.0163720	.0058702	38.80552

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8598359	.0082031	.0100813	56.50780	.0952818	.0191312
Stddev	.0019497	.0000854	.0001416	.20028	.0020098	.0003476
%RSD	.2267488	1.041445	1.404564	.3544255	2.109362	1.816718
#1	.8584020	.0082457	.0102222	56.28453	.0942512	.0193988
#2	.8620559	.0082589	.0099390	56.56727	.0939963	.0187384
#3	.8590498	.0081048	.0100828	56.67161	.0975979	.0192564

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0772478	167.3915	3.714416	9.975449	.0739730	-.003434
Stddev	.0008261	.2569	.004821	.037648	.0009928	.000295
%RSD	1.069387	.1534817	.1297960	.3774064	1.342073	8.577987
#1	.0780749	167.0991	3.710616	9.947453	.0746143	-.003755
#2	.0764228	167.5810	3.719839	10.01825	.0728295	-.003175
#3	.0772456	167.4946	3.712792	9.96065	.0744752	-.003372

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.363944	.1628694	.2546221	2.200033	F-361.535	.1138854
Stddev	.041387	.0004836	.0029133	.023893	6.052	.0033679
%RSD	.9483796	.2968930	1.144154	1.086018	1.673948	2.957289
#1	4.369579	.1631369	.2560521	2.212888	-366.625	.1159300
#2	4.402226	.1631601	.2565441	2.172465	-354.844	.1099982
#3	4.320029	.1623112	.2512702	2.214746	-363.137	.1157279

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4509-01 Acquired: 11/13/2011 21:29:14 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9QZ9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0027585	2922.894	5.685491	.0051757	.7765460	33.47849
Stddev	.0003432	45.510	.015025	.0017571	.0031978	.43131
%RSD	12.44012	1.557026	.2642731	33.94859	.4117929	1.288334
#1	.0030093	2956.847	5.702600	.0064573	.7736944	32.98100
#2	.0023674	2871.182	5.674443	.0031728	.7800033	33.74753
#3	.0028988	2940.652	5.679430	.0058971	.7759404	33.70694

Elem	Sr4077
Units	ppm
Avg	F96.35276
Stddev	.61134
%RSD	.6344862
#1	96.24084
#2	97.01233
#3	95.80510

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	414.6521	5194.695	101946.4	20695.13	5437.732
Stddev	6.1461	81.140	303.4	138.38	82.306
%RSD	1.482225	1.561987	.2975888	.6686802	1.513618
#1	409.3176	5113.482	101668.8	20575.70	5359.849
#2	413.2658	5275.763	102270.2	20662.90	5523.844
#3	421.3730	5194.839	101900.1	20846.78	5429.502

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4509-02 Acquired: 11/13/2011 21:32:32 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R00 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1439536	-.011619	.1119965	.0181337	.0032386	63.37652
Stddev	.0035860	.001866	.0016973	.0019844	.0019399	.31299
%RSD	2.491089	16.05829	1.515524	10.94291	59.89977	.4938589
#1	.1410981	-.009756	.1114370	.0198306	.0021753	63.60963
#2	.1479783	-.013488	.1106495	.0186188	.0054777	63.02078
#3	.1427845	-.011613	.1139029	.0159518	.0020629	63.49914

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.090305	.0106438	.0113514	58.14652	.1512243	.0281824
Stddev	.006745	.0001887	.0001804	.12057	.0036736	.0001526
%RSD	.6186746	1.772545	1.589087	.2073566	2.429221	.5415498
#1	1.097614	.0108056	.0112954	58.18727	.1485769	.0283574
#2	1.084320	.0106892	.0112056	58.01085	.1554183	.0280764
#3	1.088980	.0104365	.0115531	58.24143	.1496776	.0281135

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0944128	181.1317	3.635859	12.46734	.0973648	-.003565
Stddev	.0006546	.4475	.008490	.01375	.0008612	.000077
%RSD	.6933751	.2470841	.2334999	.1102910	.8844799	2.154559
#1	.0951124	181.0597	3.638880	12.45276	.0970788	-.003502
#2	.0943110	180.7246	3.626272	12.46919	.0966831	-.003651
#3	.0938150	181.6109	3.642425	12.48008	.0983326	-.003543

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.578237	.2703188	.3084010	4.069360	F-443.069	.1124392
Stddev	.091627	.0027045	.0050056	.016475	2.723	.0030782
%RSD	2.001362	1.000469	1.623094	.4048567	.6146893	2.737623
#1	4.682490	.2712753	.3042494	4.050343	-440.939	.1158976
#2	4.510490	.2672661	.3069940	4.079288	-442.130	.1114205
#3	4.541731	.2724150	.3139595	4.078451	-446.138	.1099995

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4509-02 Acquired: 11/13/2011 21:32:32 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R00 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023766	2922.909	5.867395	.0087602	1.162892	58.82536
Stddev	.0002148	15.263	.016879	.0011742	.003648	.46761
%RSD	9.038891	.5221919	.2876820	13.40331	.3136686	.7949044
#1	.0026085	2918.123	5.874065	.0100362	1.165933	58.33413
#2	.0021844	2910.613	5.848199	.0085191	1.158848	59.26507
#3	.0023368	2939.992	5.879920	.0077253	1.163894	58.87687

Elem	Sr4077
Units	ppm
Avg	F 110.5601
Stddev	.5826
%RSD	.5269823
#1	111.2089
#2	110.0814
#3	110.3902

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	419.5483	5190.241	103759.0	20996.91	5342.973
Stddev	5.2129	19.688	281.8	180.43	19.368
%RSD	1.242498	.3793288	.2716076	.8593366	.3625015
#1	415.0788	5194.596	103441.8	20793.41	5337.902
#2	418.2913	5207.387	103980.6	21059.98	5364.373
#3	425.2747	5168.740	103854.6	21137.34	5326.645

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4509-03 Acquired: 11/13/2011 21:35:50 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R03 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0332798	-.004144	.1786758	.0010242	.0011517	59.89085
Stddev	.0006821	.000630	.0003969	.0021638	.0012551	.24775
%RSD	2.049716	15.20688	.2221349	211.2656	108.9749	.4136635
#1	.0326132	-.003447	.1785847	.0002747	.0000100	59.63763
#2	.0339764	-.004673	.1783323	-.000665	.0009495	60.13273
#3	.0332497	-.004313	.1791103	.003463	.0024956	59.90220

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7480466	.0058468	.0052724	8.261147	.1527083	.0435308
Stddev	.0041658	.0001171	.0000892	.062397	.0006352	.0001975
%RSD	.5568964	2.002938	1.692521	.7553087	.4159841	.4535788
#1	.7444038	.0057297	.0052443	8.193199	.1532299	.0433059
#2	.7525886	.0059639	.0052007	8.315874	.1520009	.0436755
#3	.7471475	.0058469	.0053723	8.274367	.1528941	.0436109

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0600480	85.33618	.9056398	13.43773	.0950145	-.002113
Stddev	.0006626	.39525	.0028699	.04204	.0009210	.000150
%RSD	1.103393	.4631700	.3168923	.3128496	.9693744	7.086694
#1	.0594030	84.88184	.9023315	13.39940	.0959420	-.002274
#2	.0607268	85.52588	.9074591	13.48269	.0941000	-.001979
#3	.0600141	85.60081	.9071289	13.43109	.0950015	-.002085

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.263695	.2119448	.4237764	4.312894	F-191.497	.0257180
Stddev	.033499	.0017195	.0035231	.015921	.346	.0023146
%RSD	2.650883	.8113049	.8313622	.3691450	.1806327	8.999803
#1	1.300638	.2099882	.4270767	4.294833	-191.848	.0235132
#2	1.255151	.2132155	.4200663	4.324896	-191.487	.0281286
#3	1.235295	.2126308	.4241863	4.318954	-191.156	.0255120

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4509-03 Acquired: 11/13/2011 21:35:50 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R03 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015231	433.3610	2.150638	.0011214	.9446897	136.8464
Stddev	.0002563	1.5047	.004749	.0009943	.0047147	.2442
%RSD	16.82967	.3472103	.2208379	88.66110	.4990720	.1784364
#1	.0017754	434.8214	2.155761	.0010846	.9430475	136.8476
#2	.0012629	433.4458	2.149773	.0001461	.9500059	137.0900
#3	.0015310	431.8157	2.146381	.0021336	.9410158	136.6016

Elem	Sr4077
Units	ppm
Avg	F 14.76940
Stddev	.13757
%RSD	.9314389
#1	14.62476
#2	14.89859
#3	14.78486

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	437.0329	5487.231	107172.2	21393.86	5558.601
Stddev	1.6584	21.465	174.2	84.51	7.803
%RSD	.3794568	.3911781	.1625328	.3950041	.1403772
#1	435.4508	5471.030	107336.9	21408.35	5550.071
#2	436.8896	5479.088	107190.0	21303.04	5560.354
#3	438.7582	5511.576	106989.8	21470.17	5565.379

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4509-04 Acquired: 11/13/2011 21:39:09 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R07 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0683042	-.003451	.8233205	.0057071	.0145466	55.92342
Stddev	.0038222	.000061	.0029162	.0017157	.0009406	.18543
%RSD	5.595797	1.767425	.3542042	30.06333	6.466291	.3315781
#1	.0675861	-.003380	.8265441	.0040409	.0140021	55.74685
#2	.0648921	-.003488	.8208657	.0074684	.0156328	55.90681
#3	.0724346	-.003483	.8225518	.0056118	.0140050	56.11660

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6912132	.0078291	.0259358	12.17816	.4598749	.0659922
Stddev	.0026792	.0002320	.0000165	.02499	.0026166	.0001524
%RSD	.3876071	2.963405	.0637821	.2051808	.5689870	.2309628
#1	.6930875	.0076241	.0259167	12.16461	.4571773	.0659631
#2	.6924075	.0077821	.0259462	12.16286	.4600451	.0658564
#3	.6881445	.0080809	.0259445	12.20699	.4624023	.0661571

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4069387	106.6912	1.129496	14.38134	.1644237	.0084309
Stddev	.0020996	.3236	.004567	.08979	.0014036	.0000644
%RSD	.5159429	.3033104	.4043424	.6243321	.8536578	.7632773
#1	.4046986	106.3987	1.126193	14.29490	.1651583	.0083613
#2	.4072555	106.6360	1.127589	14.37500	.1653075	.0084433
#3	.4088618	107.0388	1.134708	14.47414	.1628052	.0084882

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.560794	.3327542	2.451046	6.101403	F-355.741	.0324079
Stddev	.027236	.0033295	.025514	.027022	2.065	.0019772
%RSD	1.745028	1.000578	1.040949	.4428737	.5803589	6.101048
#1	1.560614	.3294920	2.457787	6.070270	-356.982	.0312997
#2	1.533648	.3326234	2.472513	6.115180	-356.884	.0312332
#3	1.588120	.3361471	2.422838	6.118760	-353.358	.0346906

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4509-04 Acquired: 11/13/2011 21:39:09 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R07 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0099245	3278.529	2.681851	.0328095	2.984843	131.7204
Stddev	.0001672	12.006	.016144	.0010038	.008022	.9962
%RSD	1.684407	.3662004	.6019716	3.059568	.2687553	.7562664
#1	.0099947	3286.693	2.671262	.0317785	2.975606	130.7963
#2	.0100451	3284.151	2.673859	.0328663	2.990066	132.7756
#3	.0097337	3264.744	2.700432	.0337838	2.988857	131.5893

Elem	Sr4077
Units	ppm
Avg	F20.56368
Stddev	.02960
%RSD	.1439535
#1	20.58905
#2	20.53116
#3	20.57083

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	427.1043	5434.610	106056.3	21111.02	5525.714
Stddev	5.8927	37.629	348.8	113.21	34.464
%RSD	1.379698	.6923945	.3288940	.5362662	.6237039
#1	421.4236	5401.712	105655.2	21004.88	5495.186
#2	426.7009	5426.477	106289.1	21230.18	5518.868
#3	433.1884	5475.640	106224.5	21098.01	5563.087

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4509-05 Acquired: 11/13/2011 21:42:26 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R08 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1762751	-.003767	1.064321	.0074762	.0134280	67.51297
Stddev	.0005847	.000916	.001100	.0025686	.0003952	.62264
%RSD	.3316690	24.33011	.1033903	34.35749	2.942877	.9222555
#1	.1766535	-.004152	1.065207	.0070423	.0138840	66.79867
#2	.1756018	-.002720	1.063090	.0102342	.0132138	67.79933
#3	.1765701	-.004427	1.064668	.0051522	.0131861	67.94091

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8100432	.0094208	.0396992	14.32077	.6905030	.0850671
Stddev	.0041976	.0001429	.0000153	.11654	.0050003	.0003288
%RSD	.5181932	1.516927	.0386194	.8137886	.7241606	.3864830
#1	.8054569	.0092786	.0396852	14.19260	.6847922	.0848918
#2	.8109782	.0094194	.0397156	14.34932	.6926207	.0854464
#3	.8136944	.0095643	.0396967	14.42038	.6940959	.0848632

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6441883	144.9613	1.367802	17.17638	.2316694	.0107511
Stddev	.0066216	1.2205	.010947	.15805	.0013129	.0000367
%RSD	1.027898	.8419231	.8003651	.9201429	.5667149	.3411765
#1	.6367687	143.5824	1.356287	17.02028	.2331479	.0107434
#2	.6494975	145.3990	1.369042	17.17255	.2312204	.0107910
#3	.6462986	145.9027	1.378076	17.33631	.2306399	.0107188

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.674140	.3933847	3.995539	6.173801	F-489.270	.0314631
Stddev	.086651	.0039342	.033118	.073082	1.571	.0019674
%RSD	5.175832	1.000091	.8288783	1.183752	.3209900	6.252920
#1	1.773584	.3890663	3.957632	6.089455	-490.887	.0302428
#2	1.633985	.3967652	4.010124	6.213669	-489.174	.0304138
#3	1.614852	.3943226	4.018862	6.218280	-487.750	.0337327

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4509-05 Acquired: 11/13/2011 21:42:26 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R08 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0122876	5525.699	2.376590	.0485364	2.628551	146.8236
Stddev	.0002655	8.423	.010656	.0011980	.012796	1.0253
%RSD	2.160813	.1524357	.4483723	2.468314	.4868228	.6983550
#1	.0125937	5535.181	2.364298	.0489595	2.614797	146.2379
#2	.0121503	5519.083	2.383223	.0494655	2.630755	146.2254
#3	.0121189	5522.833	2.382249	.0471843	2.640103	148.0075

Elem	Sr4077
Units	ppm
Avg	F27.11263
Stddev	.19085
%RSD	.7039078
#1	26.89644
#2	27.18373
#3	27.25772

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	437.6557	5461.082	106347.7	21518.90	5451.158
Stddev	1.7110	23.197	322.6	103.85	27.174
%RSD	.3909396	.4247685	.3033220	.4825972	.4984920
#1	439.4113	5435.747	106005.6	21638.52	5420.415
#2	437.5625	5466.217	106391.1	21451.86	5461.091
#3	435.9932	5481.280	106646.3	21466.31	5471.967

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4509-06 Acquired: 11/13/2011 21:45:42 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R09 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0729116	-.003972	.1188823	.0045700	.0018268	33.74050
Stddev	.0023699	.001214	.0014782	.0012967	.0011186	.17930
%RSD	3.250429	30.55903	1.243437	28.37438	61.23426	.5313983
#1	.0755566	-.004116	.1177432	.0033879	.0014783	33.93178
#2	.0721970	-.005107	.1183508	.0059569	.0030781	33.71344
#3	.0709811	-.002692	.1205527	.0043651	.0009239	33.57626

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4240769	.0029828	.0042036	14.00248	.0910523	.0107075
Stddev	.0041925	.0000662	.0000997	.03255	.0019524	.0002119
%RSD	.9886143	2.218923	2.372192	.2324447	2.144213	1.978840
#1	.4281096	.0030572	.0042418	14.03939	.0901707	.0107733
#2	.4243801	.0029306	.0042786	13.97792	.0896962	.0108786
#3	.4197411	.0029605	.0040905	13.99012	.0932900	.0104705

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0402893	63.05101	.8851901	5.540081	.0400376	-.001121
Stddev	.0014620	.02994	.0003314	.026710	.0000884	.000058
%RSD	3.628682	.0474896	.0374334	.4821205	.2207625	5.207593
#1	.0390799	63.08544	.8849871	5.570547	.0400895	-.001060
#2	.0419140	63.03103	.8850108	5.520693	.0399355	-.001176
#3	.0398740	63.03656	.8855725	5.529001	.0400878	-.001127

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.332311	.1036797	.2040667	1.676239	F-246.757	.0229302
Stddev	.064381	.0008483	.0020198	.020112	.758	.0005530
%RSD	4.832293	.8181461	.9897902	1.199837	.3071569	2.411831
#1	1.404703	.1037413	.2048955	1.691400	-247.622	.0223262
#2	1.281468	.1044955	.2055404	1.653424	-246.441	.0230526
#3	1.310764	.1028023	.2017643	1.683894	-246.209	.0234118

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4509-06 Acquired: 11/13/2011 21:45:42 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R09 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020678	1369.317	2.662938	.0001256	.8139480	53.77127
Stddev	.0002832	1.159	.016483	.0009369	.0042763	.83990
%RSD	13.69333	.0846412	.6189850	746.1575	.5253768	1.561986
#1	.0018947	1369.714	2.675083	.0012031	.8188843	53.82040
#2	.0023946	1368.012	2.669556	-.000496	.8113725	54.58553
#3	.0019141	1370.226	2.644174	-.000330	.8115872	52.90789

Elem	Sr4077
Units	ppm
Avg	F20.54274
Stddev	.24566
%RSD	1.195839
#1	20.72221
#2	20.64325
#3	20.26277

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	421.8773	5317.810	104385.4	20733.97	5621.359
Stddev	6.2332	19.724	472.8	169.42	14.575
%RSD	1.477496	.3709009	.4528953	.8171138	.2592762
#1	417.9250	5304.126	104230.2	20566.19	5610.381
#2	418.6441	5308.885	104916.3	20730.73	5615.800
#3	429.0628	5340.418	104009.8	20904.98	5637.895

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4509-07 Acquired: 11/13/2011 21:49:02 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R10 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0453205	-.002799	.0244973	.0026442	.0020290	8.525373	.1164633
Stddev	.0008896	.001290	.0005410	.0019431	.0005240	.014278	.0008014
%RSD	1.962881	46.07964	2.208400	73.48688	25.82488	.1674718	.6881271
#1	.0450550	-.003451	.0240034	.0038109	.0019921	8.539091	.1171616
#2	.0463126	-.003634	.0250755	.0004011	.0015244	8.510594	.1166400
#3	.0445939	-.001314	.0244130	.0037206	.0025704	8.526434	.1155883

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013384	.0017124	6.302294	.0291582	.0039063	.0135184	26.66385
Stddev	.0001184	.0000304	.014880	.0012680	.0002598	.0019408	.05421
%RSD	8.848471	1.775693	.2361115	4.348687	6.651975	14.35638	.2032958
#1	.0013858	.0017239	6.289067	.0278356	.0041883	.0119839	26.60557
#2	.0012036	.0016779	6.299411	.0303634	.0038538	.0157000	26.71277
#3	.0014257	.0017353	6.318406	.0292758	.0036767	.0128712	26.67319

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3608307	1.652698	.0114688	-.000665	.8403865	.0577211	.0908710
Stddev	.0005477	.010363	.0001125	.000113	.0326528	.0010306	.0019461
%RSD	.1517861	.6270274	.9813062	16.94520	3.885455	1.785500	2.141599
#1	.3604478	1.642206	.0113461	-.000542	.8633480	.0572854	.0911100
#2	.3614580	1.652960	.0114934	-.000691	.8030062	.0569798	.0926866
#3	.3605862	1.662927	.0115671	-.000763	.8548053	.0588980	.0888165

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6036485	F-60.1856	.0098089	.0006976	819.0339	1.931915	-.001964
Stddev	.0056562	.3024	.0006605	.0001271	4.7016	.014850	.000188
%RSD	.9370089	.5024449	6.734196	18.21304	.5740424	.7686698	9.581401
#1	.6101359	-60.3092	.0094110	.0006622	824.2613	1.948692	-.001833
#2	.5997502	-59.8410	.0094443	.0005920	817.6895	1.920458	-.002179
#3	.6010593	-60.4066	.0105714	.0008386	815.1510	1.926594	-.001879

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4509-07 Acquired: 11/13/2011 21:49:02 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R10 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2572160	9.647984	7.909901
Stddev	.0012509	.361737	.012069
%RSD	.4863240	3.749355	.1525817
#1	.2571495	9.722064	7.901040
#2	.2584988	9.966947	7.905015
#3	.2559996	9.254941	7.923647

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	422.2121	5366.255	105217.8	20665.68	5815.043
Stddev	3.7213	18.317	142.3	57.28	22.127
%RSD	.8813799	.3413427	.1352446	.2771544	.3805135
#1	419.9581	5349.893	105095.6	20612.56	5789.547
#2	420.1708	5386.044	105183.7	20658.13	5826.347
#3	426.5073	5362.828	105374.1	20726.36	5829.235

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4509-08 Acquired: 11/13/2011 21:52:24 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R11 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0396677	-.002742	.0196698	-.000516	.0016779	11.80416	.0901466
Stddev	.0004640	.000346	.0011629	.000923	.0010120	.02306	.0003621
%RSD	1.169795	12.60663	5.911901	179.0224	60.30939	.1953673	.4016554
#1	.0397739	-.002463	.0209316	-.000623	.0007979	11.78530	.0897885
#2	.0400694	-.002633	.0186412	.000457	.0014522	11.82987	.0905125
#3	.0391597	-.003129	.0194366	-.001380	.0027837	11.79732	.0901387

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014726	.0025404	1.432779	.0383725	.0045462	.0124950	51.55074
Stddev	.0001261	.0000215	.001639	.0004667	.0001341	.0009548	.39350
%RSD	8.559398	.8465843	.1143880	1.216267	2.948748	7.641407	.7633294
#1	.0013353	.0025361	1.430900	.0388435	.0045877	.0122134	51.10361
#2	.0014995	.0025213	1.433908	.0383636	.0043964	.0135590	51.84433
#3	.0015830	.0025637	1.433530	.0379102	.0046547	.0117128	51.70426

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1624198	1.613110	.0118143	-.001208	.6197719	.1061561	.0759163
Stddev	.0010041	.028951	.0004393	.000298	.0745590	.0004218	.0008719
%RSD	.6181974	1.794740	3.718513	24.64384	12.03007	.3973195	1.148505
#1	.1613355	1.594174	.0123164	-.001213	.7003830	.1064064	.0752045
#2	.1626066	1.646437	.0116259	-.000908	.5532856	.1056692	.0768888
#3	.1633174	1.598719	.0115006	-.001503	.6056470	.1063929	.0756557

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.047442	F-67.7328	.0100660	.0004641	180.2254	1.498102	-.003587
Stddev	.030028	.5257	.0025541	.0001291	1.2187	.008827	.000090
%RSD	2.866786	.7761881	25.37313	27.81426	.6761879	.5891887	2.506621
#1	1.065039	-68.3255	.0071423	.0005731	181.5913	1.506713	-.003687
#2	1.064518	-67.5505	.0111929	.0004976	179.2494	1.498518	-.003513
#3	1.012770	-67.3225	.0118627	.0003215	179.8354	1.489075	-.003563

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4509-08 Acquired: 11/13/2011 21:52:24 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R11 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.2676546	14.15042	2.049299
Stddev	.0017298	.43214	.017166
%RSD	.6462775	3.053874	.8376416
#1	.2656665	14.07405	2.065938
#2	.2688151	14.61566	2.050308
#3	.2684822	13.76157	2.031651

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	421.6540	5447.306	105741.8	20431.04	5828.129
Stddev	3.9017	40.435	739.6	31.19	43.407
%RSD	.9253425	.7423013	.6994229	.1526603	.7447849
#1	422.3121	5407.028	105841.2	20457.76	5778.536
#2	417.4651	5446.993	106426.6	20396.77	5846.638
#3	425.1848	5487.897	104957.5	20438.61	5859.214

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4509-09 Acquired: 11/13/2011 21:55:49 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R17 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0486095	-.004896	.8486793	.0054317	.0165515	56.26801
Stddev	.0030321	.001574	.0025935	.0014251	.0005764	.13554
%RSD	6.237670	32.15342	.3055976	26.23628	3.482578	.2408893
#1	.0452531	-.006712	.8516641	.0068867	.0164660	56.11165
#2	.0494250	-.004051	.8473991	.0053699	.0160226	56.34020
#3	.0511505	-.003925	.8469748	.0040386	.0171659	56.35217

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6492759	.0077711	.0216458	12.73459	.4502062	.0572808
Stddev	.0014873	.0002224	.0001237	.06443	.0027354	.0002306
%RSD	.2290674	2.861729	.5713391	.5059082	.6075867	.4025588
#1	.6475946	.0076825	.0216480	12.66072	.4471600	.0573123
#2	.6504197	.0076067	.0215211	12.77916	.4524524	.0570360
#3	.6498133	.0080241	.0217684	12.76389	.4510061	.0574940

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3882893	97.88734	1.117091	13.86469	.1503548	.0077239
Stddev	.0010848	.39650	.006924	.09621	.0007951	.0000229
%RSD	.2793662	.4050573	.6198561	.6939089	.5288374	.2966415
#1	.3872098	97.43186	1.109111	13.77146	.1495923	.0077372
#2	.3882787	98.15528	1.121508	13.85899	.1502930	.0076974
#3	.3893793	98.07488	1.120654	13.96362	.1511790	.0077371

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.434213	.3590348	1.943970	4.818010	F-319.702	.0302322
Stddev	.075181	.0029753	.010187	.052376	1.361	.0018340
%RSD	5.241945	.8286931	.5240253	1.087087	.4257307	6.066439
#1	1.460471	.3557066	1.941951	4.759938	-321.217	.0308429
#2	1.349425	.3614371	1.934943	4.861674	-319.309	.0316830
#3	1.492743	.3599605	1.955015	4.832419	-318.581	.0281708

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4509-09 Acquired: 11/13/2011 21:55:49 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R17 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0095787	2676.458	2.549271	.0299594	2.687533	126.8568
Stddev	.0001936	4.993	.004244	.0003632	.005285	.4732
%RSD	2.021410	.1865601	.1664652	1.212245	.1966528	.3730314
#1	.0097080	2682.208	2.544418	.0295402	2.681584	126.4943
#2	.0093561	2673.212	2.551108	.0301786	2.691687	126.6840
#3	.0096721	2673.955	2.552286	.0301594	2.689327	127.3921

Elem	Sr4077
Units	ppm
Avg	F 19.56404
Stddev	.09919
%RSD	.5070046
#1	19.45239
#2	19.59775
#3	19.64199

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	431.5067	5419.301	105839.7	21192.36	5512.599
Stddev	2.7040	30.309	195.9	29.46	26.325
%RSD	.6266346	.5592789	.1850959	.1389925	.4775339
#1	430.6941	5399.534	105641.7	21220.63	5487.822
#2	434.5238	5404.172	105844.0	21194.58	5509.739
#3	429.3023	5454.196	106033.4	21161.85	5540.237

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4509-10 Acquired: 11/13/2011 21:59:09 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R18 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0711909	-.003629	.7633615	.0057077	.0095274	48.53259
Stddev	.0032219	.002466	.0015888	.0032767	.0006656	.50523
%RSD	4.525742	67.96650	.2081274	57.40861	6.985788	1.041014
#1	.0749021	-.003894	.7630234	.0067476	.0090088	48.12136
#2	.0691099	-.001040	.7650921	.0083383	.0092956	49.09657
#3	.0695606	-.005952	.7619690	.0020372	.0102779	48.37984

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5399668	.0051027	.0224964	9.007689	.4650738	.0447719
Stddev	.0070694	.0001281	.0000983	.104730	.0042556	.0000905
%RSD	1.309221	2.509699	.4371324	1.162676	.9150285	.2021916
#1	.5346647	.0052299	.0224804	8.906817	.4697602	.0448607
#2	.5479929	.0049738	.0226017	9.115892	.4614508	.0446798
#3	.5372426	.0051045	.0224070	9.000358	.4640105	.0447753

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4203166	80.28643	.9462831	12.61102	.1154233	.0090221
Stddev	.0058051	.83813	.0109856	.18286	.0007276	.0000586
%RSD	1.381121	1.043931	1.160918	1.449979	.6303938	.6498316
#1	.4163887	79.49227	.9350223	12.40485	.1157186	.0089716
#2	.4269846	81.16252	.9569710	12.75356	.1159568	.0090864
#3	.4175765	80.20449	.9468562	12.67465	.1145944	.0090084

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.300924	.2247683	2.319527	4.266913	F-291.945	.0233187
Stddev	.068841	.0031324	.007312	.041192	.471	.0012333
%RSD	5.291674	1.393633	.3152174	.9653757	.1613873	5.288777
#1	1.298068	.2222049	2.316537	4.259341	-292.437	.0243973
#2	1.233555	.2282600	2.327859	4.311365	-291.498	.0235846
#3	1.371147	.2238400	2.314184	4.230032	-291.899	.0219741

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4509-10 Acquired: 11/13/2011 21:59:09 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R18 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0052847	1680.831	2.529954	.0298751	1.950142	116.2010
Stddev	.0001355	2.193	.011480	.0000355	.019785	.9562
%RSD	2.564637	.1305001	.4537813	.1187291	1.014558	.8228845
#1	.0051294	1680.715	2.523113	.0298403	1.936836	115.5706
#2	.0053793	1683.080	2.543208	.0298738	1.972878	117.3012
#3	.0053454	1678.697	2.523540	.0299112	1.940711	115.7312

Elem	Sr4077
Units	ppm
Avg	F 16.52082
Stddev	.19959
%RSD	1.208116
#1	16.32190
#2	16.72107
#3	16.51950

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	425.4233	5468.915	106566.2	20998.72	5585.862
Stddev	3.3638	18.677	472.3	170.58	16.530
%RSD	.7906993	.3415148	.4431730	.8123310	.2959205
#1	423.1555	5447.350	106167.3	21117.97	5568.521
#2	423.8262	5479.926	107087.7	20803.33	5587.628
#3	429.2881	5479.468	106443.7	21074.85	5601.438

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4509-10LX5 Acquired: 11/13/2011 22:02:30 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R18L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0169638	.0001796	.1601587	-.000970	.0016164	10.02280	.1078442
Stddev	.0009251	.0004801	.0015066	.001285	.0003822	.02365	.0000474
%RSD	5.453408	267.2933	.9407117	132.5085	23.64525	.2359639	.0439213
#1	.0179277	.0001741	.1607509	-.000441	.0016430	10.00972	.1077970
#2	.0160831	.0006624	.1584460	-.000034	.0019845	10.05010	.1078439
#3	.0168807	-.000298	.1612793	-.002435	.0012216	10.00859	.1078917

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011847	.0046262	1.853856	.0963227	.0090246	.0833309	16.98178
Stddev	.0001428	.0000466	.008684	.0015643	.0001451	.0001804	.07119
%RSD	12.05513	1.006969	.4684235	1.624019	1.607989	.2164359	.4192294
#1	.0010201	.0045870	1.846527	.0980480	.0090923	.0832415	17.03422
#2	.0012750	.0046138	1.863447	.0949968	.0088580	.0835385	17.01039
#3	.0012591	.0046777	1.851595	.0959232	.0091234	.0832126	16.90073

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1977751	2.653530	.0233656	.0014539	.3740553	.0482207	.4904358
Stddev	.0014735	.026400	.0000194	.0000487	.0766793	.0003119	.0081133
%RSD	.7450421	.9948843	.0832370	3.348030	20.49946	.6467372	1.654298
#1	.1978550	2.671196	.0233449	.0014732	.2855667	.0481251	.4835229
#2	.1992071	2.666212	.0233835	.0014900	.4156458	.0485692	.4993680
#3	.1962633	2.623183	.0233684	.0013986	.4209533	.0479679	.4884164

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7469240	F-62.5461	.0055940	.0006249	353.2443	.5298226	.0031594
Stddev	.0184746	.2577	.0021206	.0000364	.6684	.0129037	.0013455
%RSD	2.473427	.4120023	37.90804	5.820456	.1892284	2.435474	42.58602
#1	.7255917	-62.3328	.0073368	.0006060	352.4882	.5431341	.0023705
#2	.7574715	-62.8324	.0032330	.0006668	353.7565	.5289640	.0047129
#3	.7577086	-62.4731	.0062122	.0006018	353.4883	.5173696	.0023947

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4509-10LX5 Acquired: 11/13/2011 22:02:30 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R18L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.3961097	21.95416	3.307053
Stddev	.0014795	.60823	.018875
%RSD	.3734966	2.770436	.5707619
#1	.3958066	21.31884	3.322237
#2	.3977173	22.53108	3.313002
#3	.3948053	22.01256	3.285920

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	443.7479	5575.269	109000.6	21287.43	5981.850
Stddev	4.2725	23.911	1037.3	63.85	13.213
%RSD	.9628163	.4288804	.9516062	.2999314	.2208788
#1	448.6322	5602.839	107935.4	21294.19	5995.342
#2	440.7042	5562.777	109058.8	21220.47	5981.271
#3	441.9074	5560.191	110007.5	21347.62	5968.936

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4509-11 Acquired: 11/13/2011 22:05:55 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R18D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0822632	-.001391	.7092769	.0043377	.0083922	37.97778
Stddev	.0014672	.001531	.0010267	.0019243	.0009912	.08864
%RSD	1.783567	110.0734	.1447461	44.36048	11.81114	.2333871
#1	.0824118	-.002105	.7082197	.0054074	.0087428	37.94225
#2	.0836504	-.002436	.7093408	.0054895	.0091605	37.91241
#3	.0807273	.000367	.7102700	.0021163	.0072734	38.07866

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4710934	.0047621	.0235867	7.363618	.3626668	.0459971
Stddev	.0025042	.0001843	.0000567	.025105	.0026018	.0002033
%RSD	.5315714	3.870445	.2404950	.3409348	.7174021	.4419046
#1	.4735340	.0049028	.0235294	7.349965	.3640826	.0461887
#2	.4712160	.0045535	.0236428	7.348297	.3596642	.0460188
#3	.4685301	.0048301	.0235880	7.392590	.3642537	.0457839

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3594730	70.22208	.7944078	9.967579	.1210422	.0081085
Stddev	.0006008	.26038	.0029735	.031665	.0004198	.0002508
%RSD	.1671302	.3707906	.3743054	.3176766	.3467937	3.092860
#1	.3588336	69.92390	.7909757	9.932643	.1205841	.0081061
#2	.3595596	70.40456	.7960382	9.975708	.1211340	.0083605
#3	.3600258	70.33776	.7962095	9.994387	.1214085	.0078589

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.143017	.1911960	2.632139	3.707058	F-278.749	.0186392
Stddev	.021508	.0017535	.012851	.037671	.941	.0015734
%RSD	1.881651	.9171148	.4882194	1.016198	.3374863	8.441620
#1	1.141976	.1932207	2.617754	3.673490	-278.955	.0192725
#2	1.122049	.1901966	2.642486	3.699884	-279.570	.0197974
#3	1.165026	.1901707	2.636175	3.747800	-277.722	.0168478

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4509-11 Acquired: 11/13/2011 22:05:55 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R18D Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0055204	2350.016	2.166240	.0233565	1.479767	96.94777
Stddev	.0001636	4.289	.007345	.0006003	.000965	1.66897
%RSD	2.963137	.1824946	.3390602	2.570151	.0652061	1.721513
#1	.0054849	2346.587	2.174323	.0233097	1.478663	98.50573
#2	.0056988	2354.825	2.164423	.0239788	1.480193	97.15115
#3	.0053775	2348.636	2.159974	.0227809	1.480446	95.18644

Elem	Sr4077
Units	ppm
Avg	F 14.13702
Stddev	.09462
%RSD	.6693091
#1	14.24384
#2	14.10349
#3	14.06373

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	421.3018	5379.314	105103.1	20908.53	5582.939
Stddev	3.3413	16.647	899.5	128.15	14.618
%RSD	.7930970	.3094640	.8557965	.6129170	.2618300
#1	418.0046	5364.176	104614.3	20789.54	5568.838
#2	421.2151	5376.623	106141.2	21044.21	5581.955
#3	424.6856	5397.142	104554.0	20891.82	5598.024

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4509-12 Acquired: 11/13/2011 22:09:14 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R18S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1577532	.0823606	.7831218	.0732706	.1243231	53.40279
Stddev	.0038256	.0018633	.0024600	.0009502	.0008790	1.56076
%RSD	2.425059	2.262412	.3141267	1.296879	.7070117	2.922623
#1	.1534669	.0804156	.7848694	.0731534	.1239569	52.63270
#2	.1589711	.0825365	.7841872	.0742740	.1253259	55.19894
#3	.1608216	.0841298	.7803086	.0723844	.1236864	52.37675

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.631868	.0740432	.1056870	9.331759	.7406607	.7516796
Stddev	.110848	.0019520	.0002368	.248316	.0051043	.0004422
%RSD	3.052103	2.636310	.2240618	2.660975	.6891576	.0588251
#1	3.584056	.0728953	.1059040	9.173522	.7351946	.7517554
#2	3.758599	.0762971	.1057227	9.617956	.7453030	.7520790
#3	3.552950	.0729374	.1054344	9.203799	.7414847	.7512044

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8031223	91.76416	1.723995	12.62263	.8509031	.0899107
Stddev	.0217909	2.43741	.049913	.27446	.0024869	.0003292
%RSD	2.713271	2.656163	2.895212	2.174380	.2922618	.3661682
#1	.7940263	90.29951	1.694489	12.47298	.8526965	.0897230
#2	.8279875	94.57784	1.781624	12.93939	.8519486	.0902909
#3	.7873530	90.41513	1.695871	12.45551	.8480642	.0897183

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.375466	.9768343	3.470673	4.374260	F-298.842	.0255733
Stddev	.049790	.0251908	.098501	.091970	1.369	.0058000
%RSD	3.619881	2.578821	2.838103	2.102533	.4580762	22.67985
#1	1.384184	.9624504	3.386981	4.334498	-300.256	.0222080
#2	1.321892	1.005922	3.579222	4.479422	-298.747	.0322705
#3	1.420321	.962131	3.445817	4.308861	-297.523	.0222414

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4509-12 Acquired: 11/13/2011 22:09:14 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R18S Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0065849	2678.962	3.005261	.0322484	2.017106	113.9842
Stddev	.0003255	7.765	.073760	.0002626	.053032	3.9545
%RSD	4.942751	.2898390	2.454360	.8144054	2.629121	3.469362
#1	.0068359	2685.332	2.972222	.0325517	1.989000	112.5207
#2	.0067017	2681.240	3.089764	.0320951	2.078276	118.4619
#3	.0062172	2670.313	2.953796	.0320984	1.984043	110.9701

Elem	Sr4077
Units	ppm
Avg	F 17.60771
Stddev	.68466
%RSD	3.888385
#1	17.41182
#2	18.36896
#3	17.04235

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	418.2984	5406.164	104586.4	20634.93	5535.454
Stddev	10.5714	35.392	535.4	522.16	25.121
%RSD	2.527242	.6546532	.5118889	2.530482	.4538222
#1	424.1902	5371.250	104097.4	20819.00	5511.349
#2	406.0940	5405.229	104503.5	20045.66	5533.531
#3	424.6111	5442.014	105158.4	21040.13	5561.481

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4509-13 Acquired: 11/13/2011 22:12:26 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R19 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1110046	-.001767	.8019266	.0076730	.0064567	46.55126
Stddev	.0007974	.000420	.0001141	.0003988	.0021088	.13437
%RSD	.7183726	23.75248	.0142249	5.196909	32.66141	.2886428
#1	.1113211	-.001591	.8020150	.0072520	.0080344	46.42943
#2	.1115952	-.002246	.8019669	.0077222	.0072743	46.69538
#3	.1100975	-.001464	.8017978	.0080450	.0040615	46.52896

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5902951	.0061179	.0322557	9.699402	.3844213	.0549723
Stddev	.0038969	.0001548	.0002130	.044541	.0025823	.0001913
%RSD	.6601650	2.530811	.6602037	.4592126	.6717269	.3479768
#1	.5918139	.0061506	.0322558	9.667333	.3854989	.0547550
#2	.5932040	.0062537	.0324686	9.750259	.3862903	.0551152
#3	.5858675	.0059492	.0320427	9.680614	.3814748	.0550466

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4975245	88.97180	1.276433	12.01798	.1288190	.0082693
Stddev	.0035896	.51698	.006624	.12707	.0004678	.0002231
%RSD	.7214950	.5810594	.5189530	1.057371	.3631732	2.697354
#1	.4999200	88.41011	1.269823	11.87447	.1291908	.0083781
#2	.4992561	89.42770	1.283071	12.11623	.1289724	.0084169
#3	.4933973	89.07760	1.276407	12.06323	.1282937	.0080127

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.456290	.1307851	3.149269	4.149071	F-275.660	.0215637
Stddev	.075938	.0011978	.019376	.005655	1.441	.0032171
%RSD	5.214469	.9158251	.6152519	.1362904	.5226388	14.91916
#1	1.526613	.1306255	3.149161	4.153375	-275.974	.0199206
#2	1.466487	.1296751	3.129948	4.151173	-276.917	.0252705
#3	1.375768	.1320547	3.168699	4.142667	-274.088	.0194998

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4509-13 Acquired: 11/13/2011 22:12:26 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R19 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049543	1876.844	2.102431	.0374096	.9804664	110.3727
Stddev	.0002125	5.944	.015594	.0011925	.0024295	1.2080
%RSD	4.288328	.3167173	.7417045	3.187656	.2477851	1.094517
#1	.0047228	1879.645	2.116127	.0380899	.9791619	110.4166
#2	.0051403	1880.870	2.105707	.0381064	.9832694	111.5581
#3	.0049998	1870.016	2.085460	.0360327	.9789678	109.1432

Elem	Sr4077
Units	ppm
Avg	F 16.91641
Stddev	.13190
%RSD	.7797206
#1	16.94857
#2	17.02925
#3	16.77140

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	428.6027	5466.058	106212.3	21101.55	5573.767
Stddev	4.6867	19.275	817.9	90.95	17.780
%RSD	1.093473	.3526258	.7700408	.4310308	.3189895
#1	423.3340	5457.626	105362.2	21055.61	5563.469
#2	430.1669	5452.436	106281.0	21042.74	5563.535
#3	432.3072	5488.112	106993.6	21206.32	5594.297

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4509-14 Acquired: 11/13/2011 22:15:44 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R20 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2517850	-.005125	.0790024	-.006821	.0102473	52.61459
Stddev	.0023290	.001673	.0007927	.002851	.0011000	.18559
%RSD	.9249869	32.65048	1.003363	41.79413	10.73428	.3527258
#1	.2496658	-.006575	.0792596	-.010046	.0115038	52.72276
#2	.2542784	-.003294	.0796346	-.004633	.0094582	52.72071
#3	.2514109	-.005506	.0781131	-.005786	.0097799	52.40029

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1402126	.0107747	.0191140	5.498488	.2694897	.0321963
Stddev	.0006482	.0001276	.0001187	.025032	.0024848	.0001940
%RSD	.4623101	1.183843	.6210779	.4552457	.9220578	.6025126
#1	.1407514	.0109017	.0192181	5.473348	.2666575	.0321971
#2	.1403931	.0106466	.0189847	5.523410	.2705080	.0323899
#3	.1394933	.0107759	.0191393	5.498705	.2713036	.0320019

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0332060	F349.9807	.7609756	5.268383	.0480157	-.008197
Stddev	.0002002	1.0383	.0032775	.039702	.0002297	.000153
%RSD	.6028512	.2966628	.4306945	.7535827	.4783417	1.861515
#1	.0329814	348.7831	.7578746	5.230378	.0482185	-.008220
#2	.0332711	350.5310	.7644049	5.265185	.0480624	-.008336
#3	.0333655	350.6279	.7606472	5.309588	.0477663	-.008034

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.462862	.8699183	.3885540	11.79736	F-202.478	.0891325
Stddev	.040571	.0018266	.0048318	.02950	1.085	.0044080
%RSD	2.773367	.2099787	1.243537	.2500454	.5360859	4.945400
#1	1.489107	.8678424	.3829811	11.78377	-203.387	.0929116
#2	1.416133	.8712799	.3911091	11.83121	-202.770	.0842902
#3	1.483345	.8706325	.3915719	11.77710	-201.276	.0901955

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4509-14 Acquired: 11/13/2011 22:15:44 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R20 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001531	71.06153	2.897279	.0016992	.7076877	38.47900
Stddev	.0000583	.19786	.004121	.0009150	.0012640	.80229
%RSD	38.10744	.2784396	.1422481	53.84789	.1786109	2.085006
#1	.0002187	71.28539	2.900405	.0023482	.7062567	39.17703
#2	.0001336	70.98916	2.892609	.0006527	.7086518	38.65748
#3	.0001070	70.91004	2.898824	.0020966	.7081547	37.60251

Elem	Sr4077
Units	ppm
Avg	9.026757
Stddev	.061434
%RSD	.6805785
#1	9.050975
#2	9.072391
#3	8.956904

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	430.0891	5432.435	105546.1	21047.85	5452.404
Stddev	2.5140	21.703	496.6	126.22	19.192
%RSD	.5845289	.3995134	.4705359	.5996731	.3520004
#1	429.7921	5426.566	105980.4	20924.00	5431.664
#2	427.7367	5414.270	105004.7	21043.25	5456.009
#3	432.7383	5456.470	105653.3	21176.31	5469.538

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4509-15 Acquired: 11/13/2011 22:19:06 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R21 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2802502	-.005513	.0933248	-.013193	.0114402	66.20139
Stddev	.0032676	.001801	.0011575	.001735	.0007383	.12709
%RSD	1.165942	32.67428	1.240267	13.15284	6.453196	.1919761
#1	.2840081	-.007500	.0920155	-.015175	.0112960	66.34814
#2	.2786644	-.005048	.0942119	-.012457	.0107846	66.12700
#3	.2780782	-.003989	.0937470	-.011947	.0122399	66.12904

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1665473	.0135169	.0233370	7.324871	.3317421	.0432309
Stddev	.0012796	.0000974	.0001526	.027963	.0035690	.0000303
%RSD	.7682946	.7204091	.6540537	.3817481	1.075824	.0702022
#1	.1679746	.0135497	.0232341	7.355685	.3284301	.0432262
#2	.1661644	.0134074	.0232645	7.317818	.3312744	.0432031
#3	.1655028	.0135936	.0235124	7.301111	.3355219	.0432633

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0471734	F426.3179	1.123157	6.212635	.0679408	-.010565
Stddev	.0005456	.8460	.003920	.034470	.0005603	.000208
%RSD	1.156535	.1984321	.3490261	.5548332	.8247081	1.973157
#1	.0466630	427.2196	1.127059	6.246685	.0678834	-.010340
#2	.0477484	426.1922	1.123192	6.177760	.0685276	-.010751
#3	.0471088	425.5418	1.119219	6.213458	.0674114	-.010605

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.719679	1.115204	.4542006	13.42682	F-237.899	.0911290
Stddev	.046744	.008589	.0046439	.08874	.504	.0037027
%RSD	2.718203	.7701515	1.022424	.6609276	.2117181	4.063101
#1	1.772292	1.121867	.4592436	13.52843	-238.367	.0870824
#2	1.682934	1.118234	.4501006	13.38748	-237.963	.0919570
#3	1.703811	1.105511	.4532577	13.36454	-237.366	.0943475

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4509-15 Acquired: 11/13/2011 22:19:06 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R21 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000635	87.59503	2.763445	.0038048	.7877440	42.37099
Stddev	.000191	.15575	.025547	.0007976	.0029907	.20723
%RSD	30.17137	.1778077	.9244502	20.96358	.3796570	.4890826
#1	-.000636	87.46710	2.791597	.0038485	.7900335	42.60981
#2	-.000825	87.54952	2.756999	.0045797	.7843602	42.23859
#3	-.000442	87.76846	2.741738	.0029863	.7888382	42.26458

Elem	Sr4077
Units	ppm
Avg	F 11.93859
Stddev	.08684
%RSD	.7273797
#1	12.02929
#2	11.93027
#3	11.85621

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	436.8930	5444.645	105236.3	21178.61	5412.111
Stddev	4.7498	30.534	211.3	245.76	10.483
%RSD	1.087166	.5608148	.2007923	1.160397	.1937020
#1	433.5914	5415.078	105366.1	20957.96	5400.047
#2	434.7511	5442.794	104992.5	21134.40	5417.285
#3	442.3365	5476.063	105350.3	21443.47	5419.002

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-15LX5 Acquired: 11/13/2011 22:22:25 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RH8L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0247460	.0006230	.1650212	-.002003	.0008692	12.31565	.1456234
Stddev	.0014439	.0008431	.0004888	.001774	.0005248	.05660	.0009882
%RSD	5.834653	135.3347	.2961968	88.59530	60.37388	.4595532	.6786159
#1	.0231410	.0011364	.1644591	-.001526	.0003664	12.25053	.1445834
#2	.0251581	.0010826	.1652579	-.000515	.0008278	12.34343	.1457366
#3	.0259391	-.000350	.1653465	-.003966	.0014134	12.35298	.1465501

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020122	.0061500	2.267588	.1165864	.0125943	.0983033	23.95481
Stddev	.0001991	.0001562	.014377	.0011263	.0000769	.0013580	.05008
%RSD	9.893125	2.539497	.6340039	.9660805	.6108649	1.381467	.2090496
#1	.0017824	.0060320	2.254249	.1169221	.0126076	.0998707	23.90377
#2	.0021280	.0060910	2.265699	.1153304	.0126637	.0974783	23.95681
#3	.0021263	.0063271	2.282815	.1175067	.0125115	.0975610	24.00386

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3875131	2.996155	.0338497	.0014860	.3738352	.0801839	.5322843
Stddev	.0028355	.016454	.0004220	.0002339	.0617482	.0016151	.0012712
%RSD	.7317175	.5491786	1.246788	15.74001	16.51750	2.014192	.2388220
#1	.3850768	3.004522	.0333656	.0017290	.3037145	.0790500	.5309585
#2	.3868369	2.977198	.0341400	.0014666	.3977081	.0820330	.5334928
#3	.3906256	3.006743	.0340436	.0012624	.4200830	.0794685	.5324016

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.137856	F-111.657	.0088643	.0010294	381.6502	.4322089	.0029637
Stddev	.016289	1.179	.0010218	.0001128	2.5150	.0137434	.0000868
%RSD	1.431565	1.055714	11.52670	10.96007	.6589860	3.179797	2.928674
#1	1.138708	-110.707	.0076850	.0009638	378.7750	.4475291	.0030452
#2	1.153703	-112.976	.0094243	.0009647	382.7337	.4281336	.0028724
#3	1.121158	-111.288	.0094836	.0011597	383.4418	.4209642	.0029734

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: C4499-15LX5 Acquired: 11/13/2011 22:22:25 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RH8L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.6078914	25.32270	5.103692
Stddev	.0018506	.49520	.019141
%RSD	.3044243	1.955552	.3750520
#1	.6057546	24.76621	5.084855
#2	.6089753	25.48710	5.103098
#3	.6089442	25.71479	5.123124

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	442.4997	5580.531	106855.9	21024.76	5994.990
Stddev	1.1345	51.570	275.9	102.54	58.818
%RSD	.2563935	.9241118	.2581687	.4877255	.9811176
#1	443.7774	5637.124	106982.7	21125.70	6062.827
#2	441.6102	5536.190	107045.5	21027.90	5963.939
#3	442.1116	5568.280	106539.4	20920.68	5958.206

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCV Acquired: 11/13/2011 22:25:47 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV23 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.856323	4.802930	23.50734	4.786369	4.865703	152.9493
Stddev	.018920	.016340	.10193	.013426	.011358	1.3147
%RSD	.3896033	.3402095	.4336127	.2805007	.2334312	.8595953
#1	4.859356	4.796777	23.53170	4.794121	4.862183	154.1493
#2	4.836069	4.790561	23.39543	4.770866	4.856522	151.5440
#3	4.873543	4.821454	23.59488	4.794120	4.878404	153.1547

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.877592	.4753530	2.393918	243.2145	14.65720	2.380674
Stddev	.126495	.0034782	.011121	1.9734	.12026	.007985
%RSD	1.280629	.7317017	.4645617	.8113625	.8204751	.3353971
#1	10.02285	.4765486	2.386643	243.8313	14.53218	2.381896
#2	9.81822	.4714347	2.388391	241.0065	14.66738	2.372149
#3	9.79171	.4780757	2.406720	244.8058	14.77205	2.387977

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.07883	138.3245	14.26902	227.3490	2.415280	1.186512
Stddev	.14048	1.1182	.11771	1.7637	.012903	.004232
%RSD	.9316686	.8084126	.8249105	.7757509	.5342365	.3567170
#1	15.21397	138.8981	14.33602	228.1724	2.405698	1.185788
#2	14.93355	137.0358	14.13311	225.3243	2.410190	1.182689
#3	15.08897	139.0395	14.33793	228.5504	2.429952	1.191060

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	147.9674	2.429109	14.11447	145.3773	F-142.409	4.809565
Stddev	1.1409	.021146	.12785	1.4847	.506	.049910
%RSD	.7710779	.8705218	.9057933	1.021308	.3554247	1.037734
#1	149.0079	2.445415	14.23648	146.9907	-142.406	4.849853
#2	146.7473	2.405216	13.98149	144.0684	-141.904	4.753732
#3	148.1469	2.436697	14.12542	145.0728	-142.917	4.825110

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCV Acquired: 11/13/2011 22:25:47 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV23 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.044245	233.9301	4.962213	4.741316	4.931699	F3035.789
Stddev	.015673	1.6514	.046789	.013448	.043436	36.495
%RSD	.3107048	.7059349	.9429017	.2836384	.8807586	1.202167
#1	5.032888	233.1934	5.003398	4.750556	4.968677	3072.052
#2	5.037721	232.7753	4.911338	4.725887	4.883864	2999.066
#3	5.062126	235.8217	4.971903	4.747504	4.942557	3036.251

Elem	Sr4077
Units	ppm
Avg	F467.3067
Stddev	7.6651
%RSD	1.640274
#1	472.4660
#2	458.4989
#3	470.9552

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	370.2242	4654.320	90533.80	18804.36	4524.724
Stddev	6.4985	8.442	138.37	218.56	14.345
%RSD	1.755279	.1813871	.1528341	1.162286	.3170321
#1	362.7945	4644.680	90586.66	18564.86	4510.574
#2	374.8500	4660.392	90637.94	18993.02	4539.256
#3	373.0281	4657.889	90376.79	18855.20	4524.343

Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCB Acquired: 11/13/2011 22:29:01 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB23 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000406	.0035752	.0009955	-.000346	.0004451	.0075248	-.000154
Stddev	.001248	.0011481	.0008307	.000258	.0012403	.0124954	.000233
%RSD	307.3450	32.11233	83.44243	74.52617	278.6422	166.0544	151.7688
#1	.000877	.0044733	.0002120	-.000094	.0011007	.0217782	.000004
#2	-.000479	.0039707	.0018664	-.000334	.0012201	.0023383	-.000044
#3	-.001616	.0022817	.0009082	-.000610	-.000985	-.001542	-.000422

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000021	-.000006	.0038524	.0002309	.0001064	-.000217	.0248009
Stddev	.000136	.000067	.0048924	.0016260	.0001263	.001307	.0286824
%RSD	639.4647	1075.163	126.9947	704.2545	118.6969	602.0490	115.6505
#1	.000022	-.000081	.0087012	.0019822	-.000012	-.000453	.0575457
#2	-.000174	.000014	.0039386	-.000059	.000239	.001192	.0127313
#3	.000088	.000048	-.001082	-.001231	.000092	-.001390	.0041258

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000020	.0062210	-.000230	-.000274	.1211195	.0014974	.0008806
Stddev	.000154	.0050984	.000085	.000170	.0272240	.0001935	.0021126
%RSD	782.5377	81.95417	36.93001	61.89936	22.47696	12.92072	239.9125
#1	.000142	.0044810	-.000320	-.000199	.1523132	.0016143	.0026833
#2	-.000037	.0119617	-.000219	-.000469	.1088935	.0012741	.0014025
#3	-.000164	.0022204	-.000151	-.000155	.1021519	.0016038	-.001444

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0730673	.2288277	.0074689	.0053575	.1367183	.0233910	-.000435
Stddev	.0106785	.0601966	.0019069	.0015364	.1124871	.0124800	.000271
%RSD	14.61461	26.30650	25.53102	28.67678	82.27649	53.35401	62.25954
#1	.0613635	.2880222	.0080479	.0069627	.0308940	.0375368	-.000227
#2	.0822802	.1676768	.0090191	.0052091	.1244060	.0187000	-.000742
#3	.0755582	.2307842	.0053396	.0039007	.2548551	.0139362	-.000337

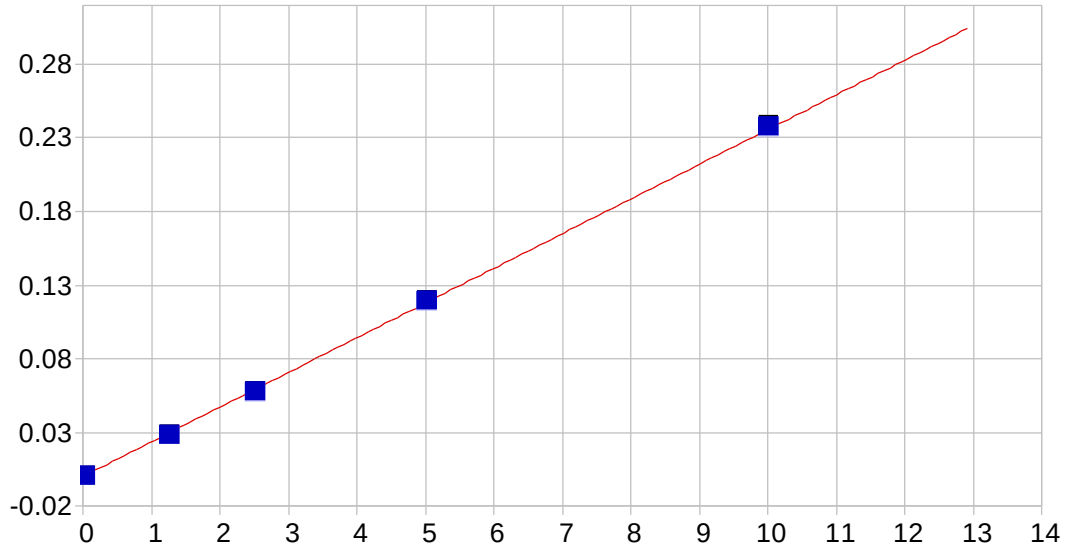
Reviewed By:danuta
On:11/15/2011
10:31:03 AM
Inst Id :P5

Sample Name: CCB Acquired: 11/13/2011 22:29:01 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB23 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0000936	F-.120091	-.009307
Stddev	.0011527	.274590	.010612
%RSD	1231.343	228.6510	114.0199
#1	.0013270	.138256	.002342
#2	-.000090	-.408457	-.011838
#3	-.000956	-.090073	-.018424

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	419.8502	5494.442	105102.2	19920.78	5971.298
Stddev	2.0511	24.752	297.7	47.63	16.115
%RSD	.4885361	.4504890	.2832095	.2391167	.2698778
#1	417.8137	5474.673	105419.8	19866.07	5954.635
#2	421.9156	5486.449	105057.0	19943.30	5972.454
#3	419.8212	5522.202	104829.7	19952.99	5986.803

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

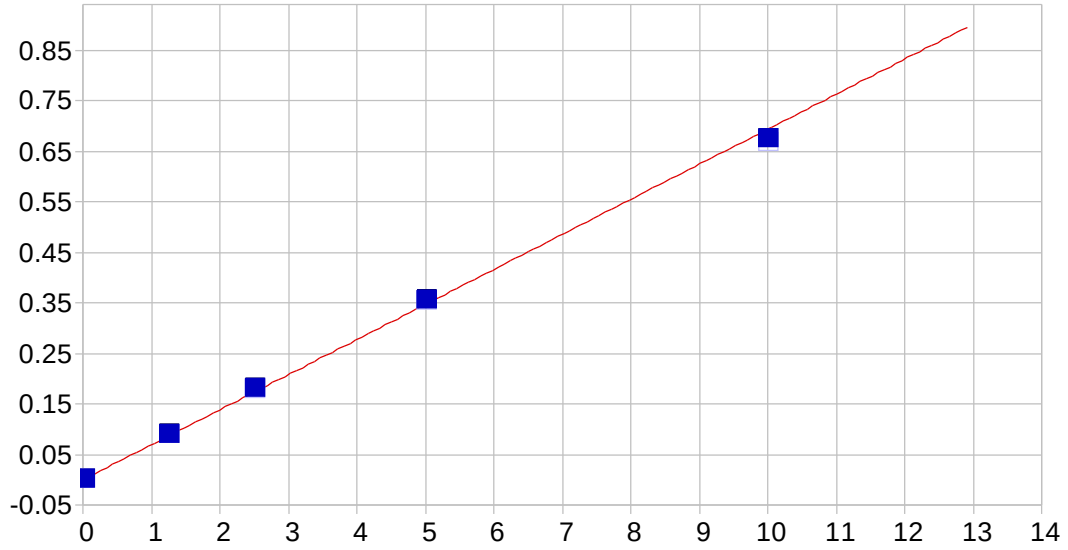


As 189.042 {479}

Date of Fit:	11/14/2011 14:53:44	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000049	Re-Slope:	1.000000
A1 (Gain):	0.023564	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999827	Status:	OK.
Std Error of Est:	0.000944		
MDL:	0.120122		
MQL:	0.400406		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00005	.000	1
S1	.01000	.00863	-.001	-13.7	.00016	.000	1
S2	1.2500	1.1891	-.061	-4.87	.02780	.000	1
S3	2.5000	2.4282	-.072	-2.87	.05684	.000	1
S4	5.0000	5.0477	.048	.954	.11823	.000	1
S5	10.000	10.086	.086	.863	.23629	.000	1



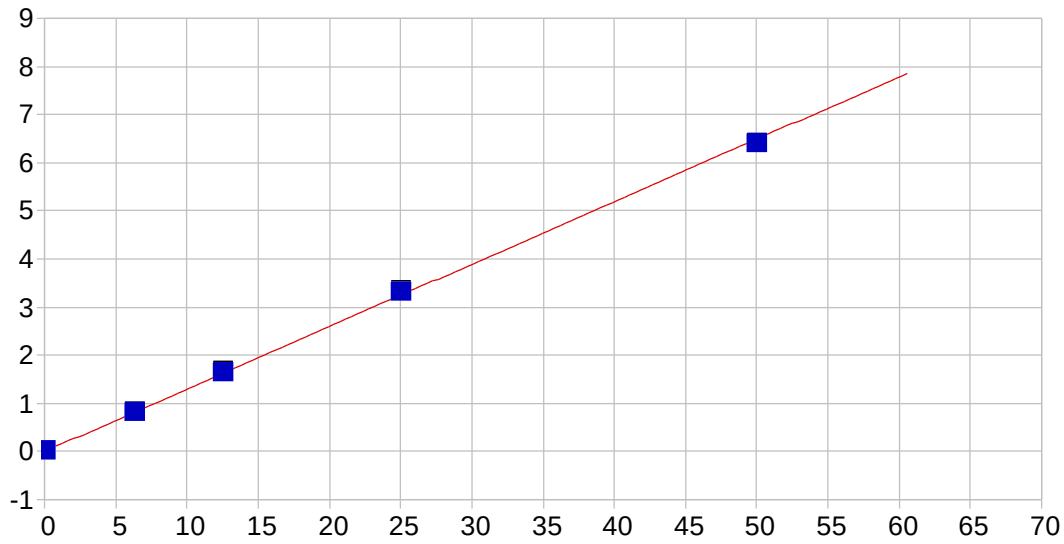
Tl 190.856 {477}

Date of Fit:	11/14/2011 14:53:44	Type of Fit:	Linear	Weighting:	1/Conc

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

A0 (Offset):	-0.000241	Re-Slope:	1.000000
A1 (Gain):	0.069384	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999568	Status:	OK.
Std Error of Est:	0.004372		
MDL:	0.189027		
MQL:	0.630090		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00024	.000	1
S1	.02500	.02494	.000	-.257	.00141	.000	1
S2	1.2500	1.2998	.050	3.98	.08900	.001	1
S3	2.5000	2.5908	.091	3.63	.17764	.001	1
S4	5.0000	5.1290	.129	2.58	.35186	.001	1
S5	10.000	9.7304	-.270	-2.70	.66735	.001	1



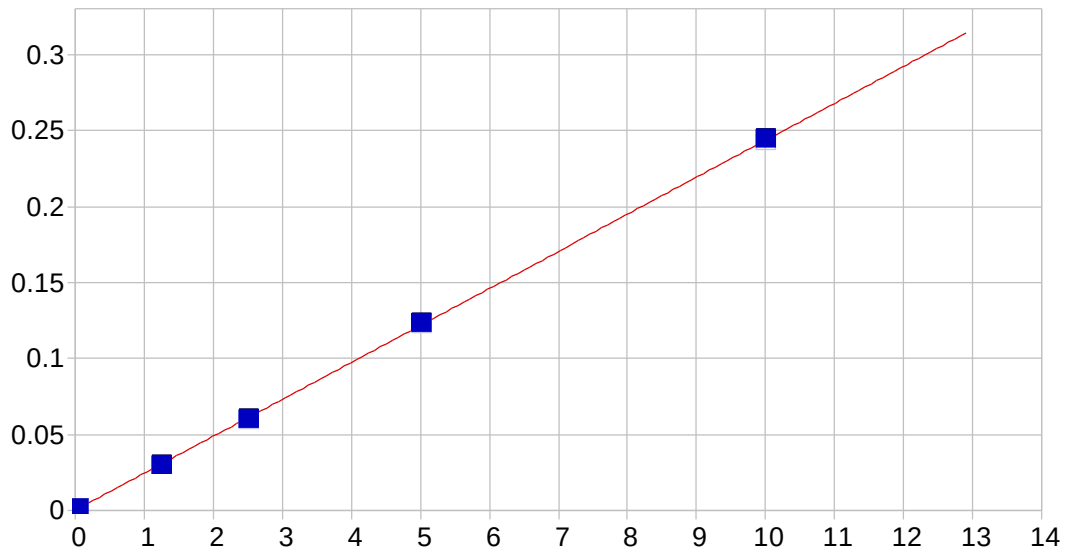
Pb 220.353 {453}

Date of Fit:	11/14/2011 14:53:44	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000157	Re-Slope:	1.000000
A1 (Gain):	0.129745	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999858	Status:	OK.
Std Error of Est:	0.010574		
MDL:	0.244483		
MQL:	0.814945		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00016	.000	1
S1	.01000	.00999	.000	-.121	.00114	.000	1
S2	6.2500	6.2824	.032	.518	.81512	.007	1
S3	12.500	12.638	.138	1.10	1.6399	.008	1
S4	25.000	25.582	.582	2.33	3.3197	.014	1
S5	50.000	49.248	-.752	-1.50	6.3908	.005	1

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

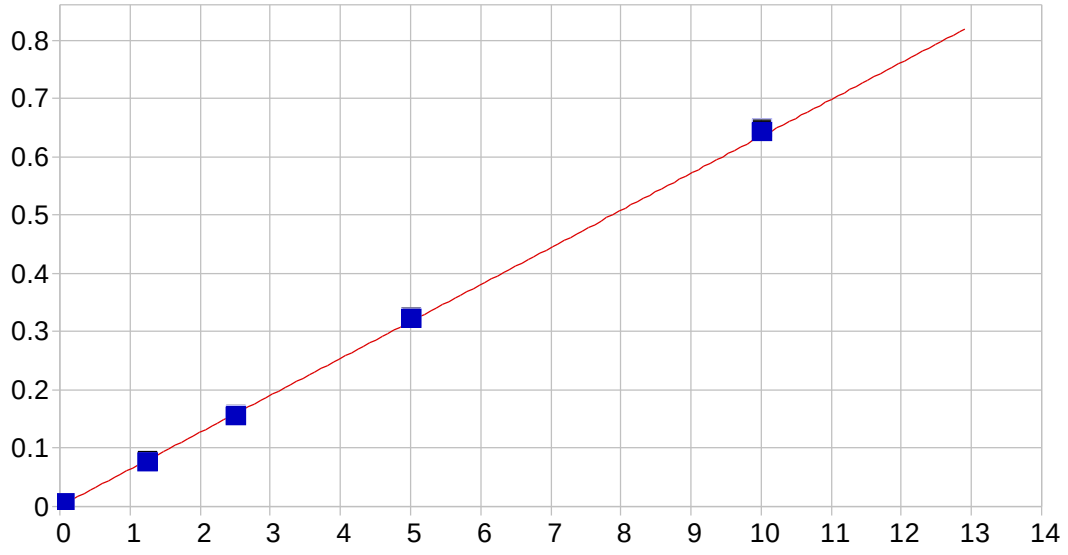


Se 196.090 {472}

Date of Fit:	11/14/2011 14:53:44	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000058	Re-Slope:	1.000000
A1 (Gain):	0.024347	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999926	Status:	OK.
Std Error of Est:	0.000636		
MDL:	0.078329		
MQL:	0.261098		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00006	.000	1
S1	.03500	.03422	-.001	-2.24	.00089	.000	1
S2	1.2500	1.2117	-.038	-3.06	.02935	.000	1
S3	2.5000	2.4538	-.046	-1.85	.05937	.000	1
S4	5.0000	5.0539	.054	1.08	.12226	.000	1
S5	10.000	10.031	.031	.314	.24259	.000	1



Sb 206.833 {463}

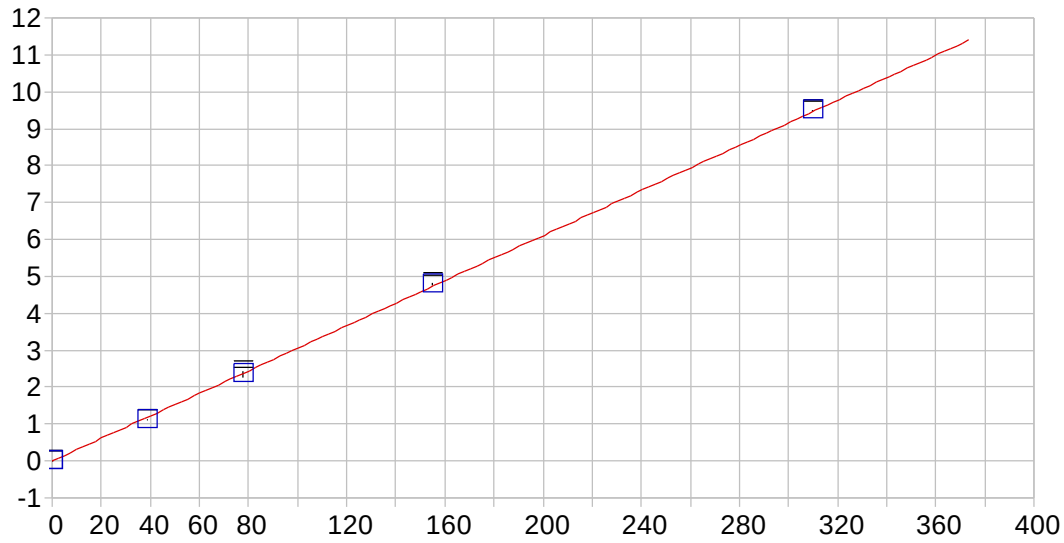
Date of Fit:	11/14/2011 14:53:44	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000016	Re-Slope:	1.000000

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

A1 (Gain):	0.063464	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999780	Status:	OK.
Std Error of Est:	0.002910		
MDL:	0.137575		
MQL:	0.458584		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.00002	.000	1
S1	.06000	.05631	-.004	-6.15	.00351	.000	1
S2	1.2500	1.1797	-.070	-5.62	.07550	.001	1
S3	2.5000	2.4190	-.081	-3.24	.15478	.001	1
S4	5.0000	5.0457	.046	.914	.32271	.001	1
S5	10.000	10.109	.109	1.09	.64654	.001	1



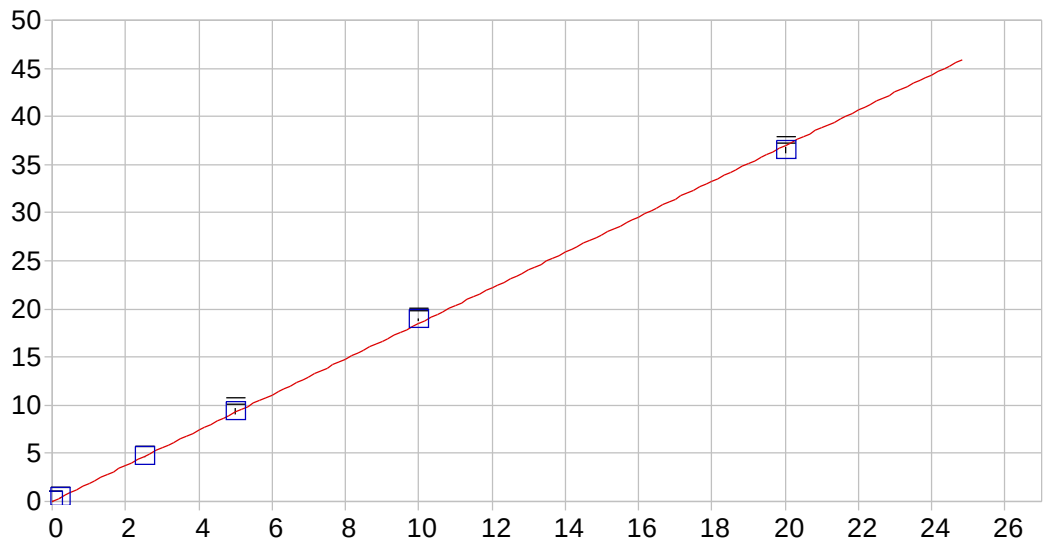
Al 396.152 { 85}

Date of Fit:	11/14/2011 14:53:44	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000012	Re-Slope:	1.000000
A1 (Gain):	0.030523	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999877	Status:	OK.
Std Error of Est:	0.005770		
MDL:	0.567110		
MQL:	1.890367		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00003	.000	.000	-.00001	.000	1
S1	.20000	.18201	-.018	-8.99	.00554	.000	1
S2	38.750	36.617	-2.13	-5.51	1.1176	.001	1
S3	77.500	77.027	-.473	-.610	2.3511	.096	1
S4	155.00	156.67	1.67	1.08	4.7821	.026	1
S5	310.00	310.95	.951	.307	9.4911	.029	1

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

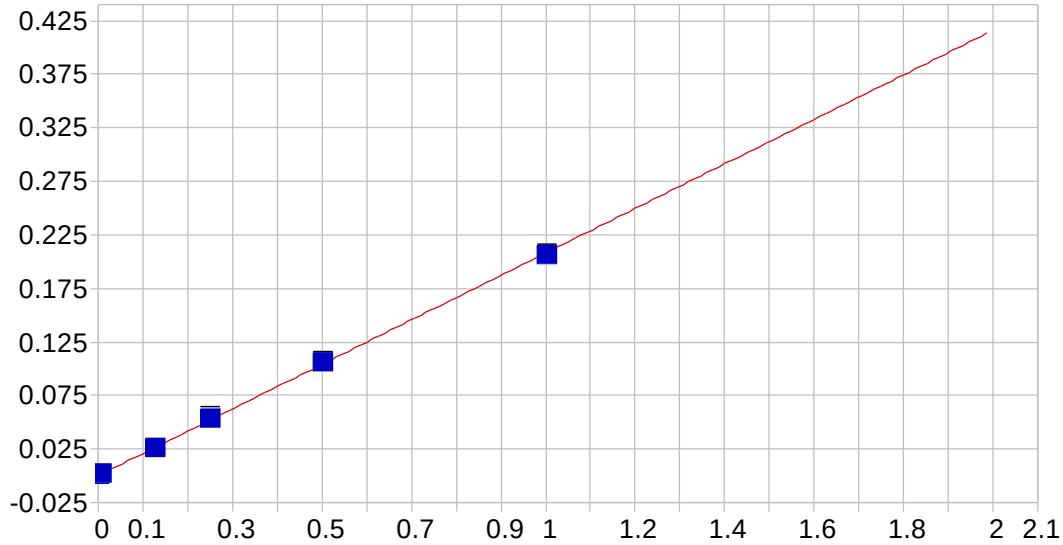


Ba 493.409 { 68}

Date of Fit:	11/14/2011 14:53:45	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.021972	Re-Slope:	1.000000
A1 (Gain):	1.846854	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999883	Status:	OK.
Std Error of Est:	0.086617		
MDL:	0.140699		
MQL:	0.468995		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.02197	.000	1
S1	.20000	.19744	-.003	-1.28	.38662	.002	1
S2	2.5000	2.4857	-.014	-.571	4.6128	.020	1
S3	5.0000	5.0611	.061	1.22	9.3691	.296	1
S4	10.000	10.214	.214	2.14	18.886	.150	1
S5	20.000	19.741	-.259	-1.29	36.481	.324	1



Be 234.861 {144}

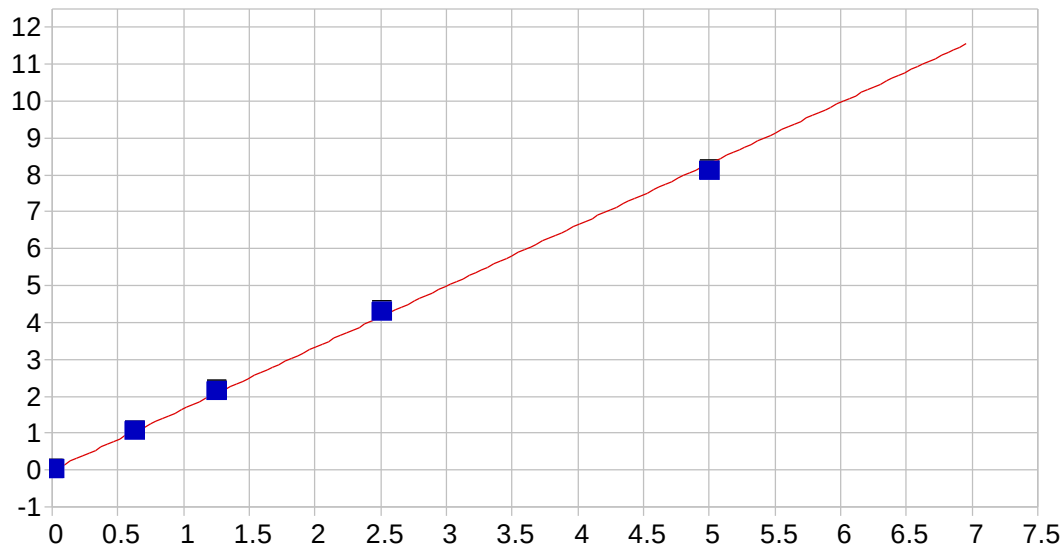
Date of Fit:	11/14/2011 14:53:45	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000013	Re-Slope:	1.000000

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

A1 (Gain):	0.208008		Y-int:	0.000000
A2 (Curvature):	0.000000			
n (Exponent):	1.000000			
Correlation:	0.999888		Status:	OK.
Std Error of Est:	0.002126			
MDL:	0.030665			
MQL:	0.102216			

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00001	.000	1
S1	.00500	.00486	.000	-2.76	.00100	.000	1
S2	.12500	.12313	-.002	-1.50	.02553	.000	1
S3	.25000	.25535	.005	2.14	.05296	.002	1
S4	.50000	.50827	.008	1.65	.10543	.001	1
S5	1.0000	.98839	-.012	-1.16	.20502	.001	1



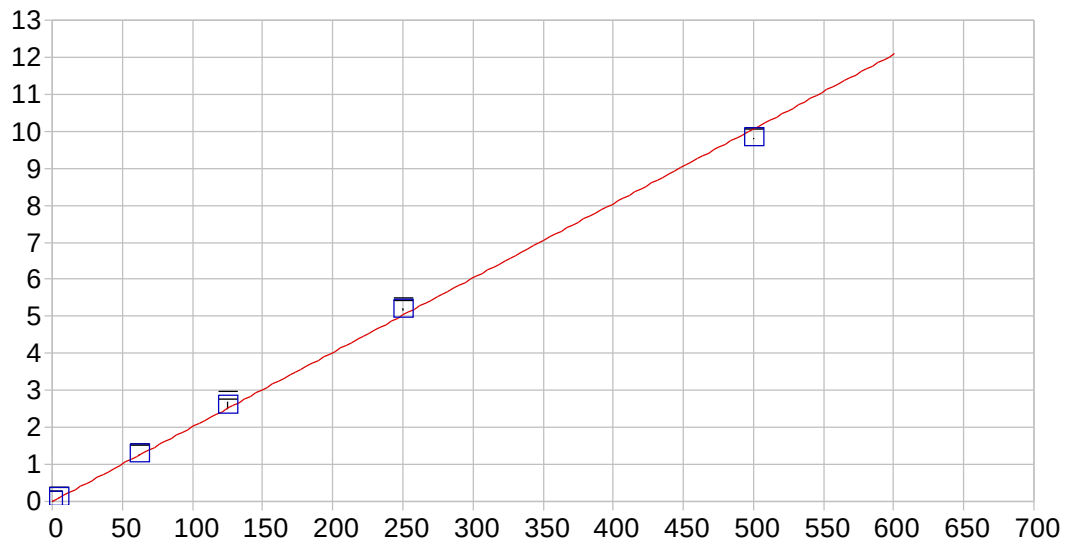
Cd 214.438 {457}

Date of Fit:	11/14/2011 14:53:45	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000018	Re-Slope:	1.000000
A1 (Gain):	1.661049	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999656	Status:	OK.
Std Error of Est:	0.066669		
MDL:	0.120411		
MQL:	0.401370		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00002	.000	1
S1	.00500	.00500	.000	-.059	.00832	.000	1
S2	.62500	.63499	.010	1.60	1.0544	.010	1
S3	1.2500	1.2844	.034	2.75	2.1329	.011	1
S4	2.5000	2.5771	.077	3.09	4.2795	.015	1
S5	5.0000	4.8784	-.122	-2.43	8.1008	.018	1

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

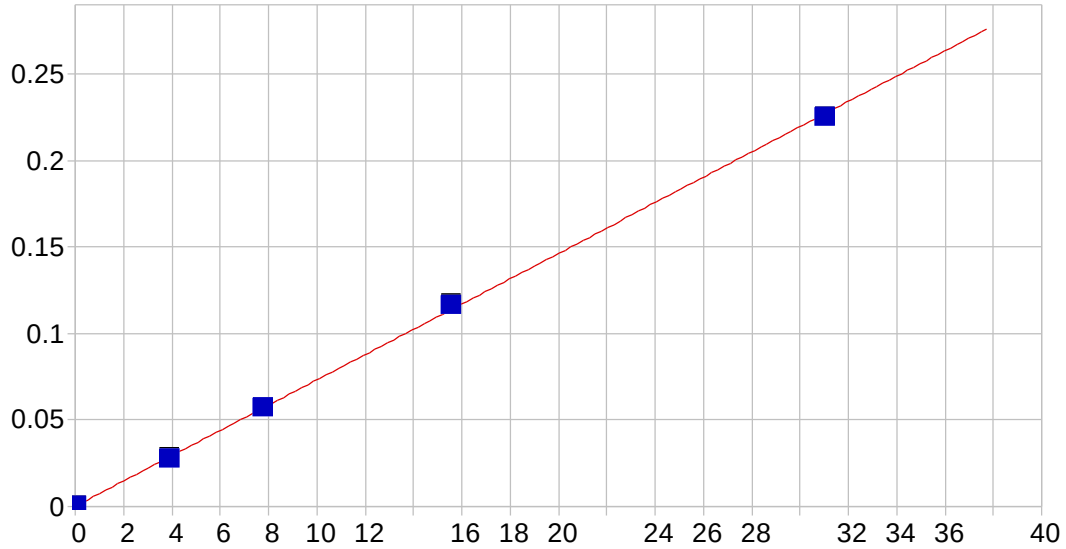


Ca 373.690 { 90}

Date of Fit:	11/14/2011 14:53:45	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000547	Re-Slope:	1.000000
A1 (Gain):	0.020118	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999616	Status:	OK.
Std Error of Est:	0.008563		
MDL:	1.276977		
MQL:	4.256591		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00014	.000	.000	.00054	.000	1
S1	5.0000	4.9051	-.095	-1.90	.09923	.000	1
S2	62.500	62.737	.237	.380	1.2627	.002	1
S3	125.00	129.51	4.51	3.61	2.6061	.101	1
S4	250.00	257.85	7.85	3.14	5.1880	.045	1
S5	500.00	487.50	-12.5	-2.50	9.8081	.020	1



Cr 267.716 {126}

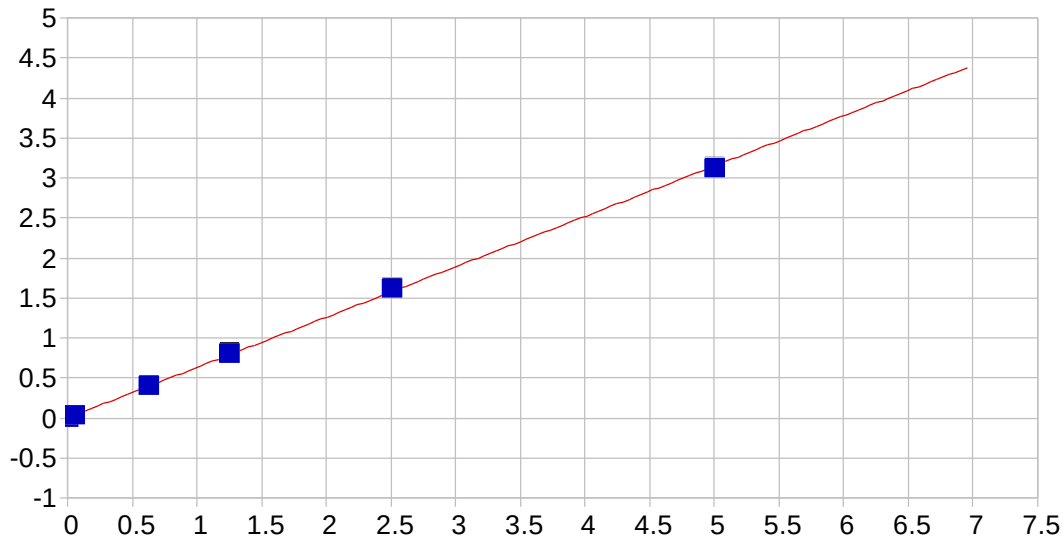
Date of Fit:	11/14/2011 14:53:45	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000005	Re-Slope:	1.000000

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

A1 (Gain):	0.007321	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999893	Status:	OK.
Std Error of Est:	0.000408		
MDL:	0.167187		
MQL:	0.557291		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00000	.000	1
S1	.01000	.00838	-.002	-16.2	.00007	.000	1
S2	3.8750	3.7833	-.092	-2.37	.02771	.000	1
S3	7.7500	7.7759	.026	.335	.05694	.000	1
S4	15.500	15.841	.341	2.20	.11600	.001	1
S5	31.000	30.727	-.273	-.882	.22499	.000	1



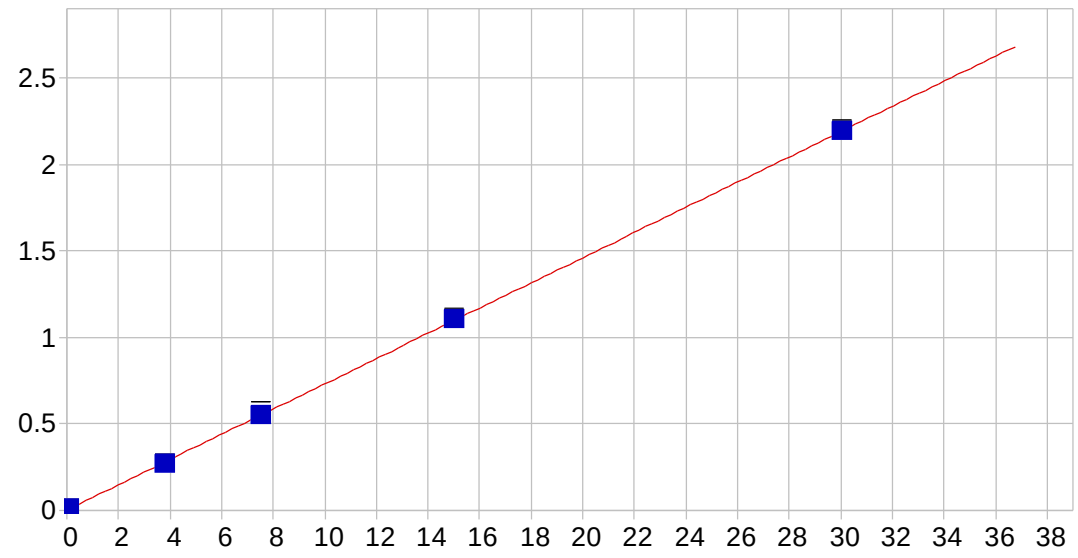
Co 228.616 {448}

Date of Fit:	11/14/2011 14:53:45	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000104	Re-Slope:	1.000000
A1 (Gain):	0.629746	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999833	Status:	OK.
Std Error of Est:	0.017720		
MDL:	0.084414		
MQL:	0.281381		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00010	.000	1
S1	.05000	.04446	-.006	-11.1	.02798	.000	1
S2	.62500	.62143	-.004	-.572	.39291	.003	1
S3	1.2500	1.2636	.014	1.09	.79898	.005	1
S4	2.5000	2.5615	.062	2.46	1.6197	.005	1
S5	5.0000	4.9340	-.066	-1.32	3.1204	.006	1

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

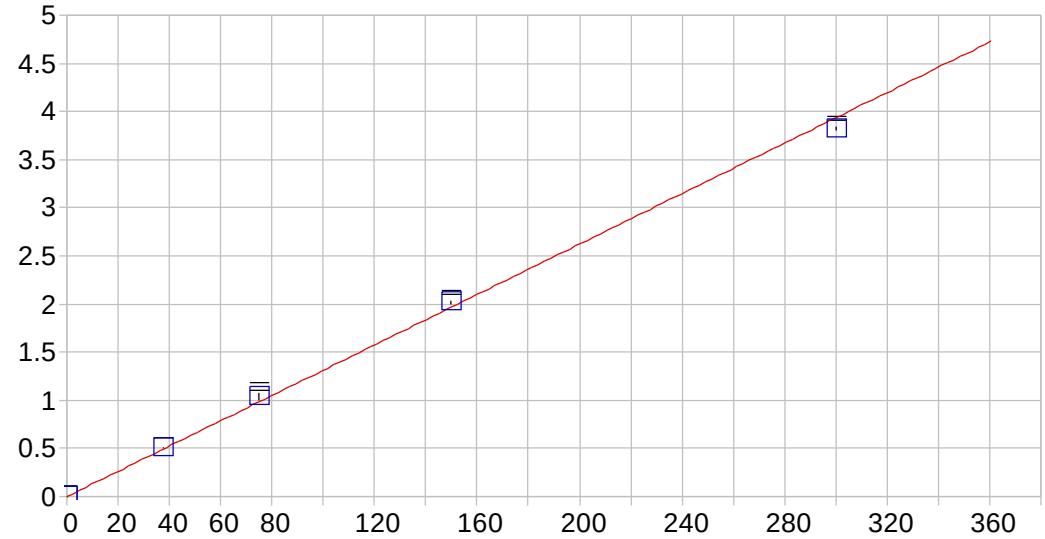


Cu 324.754 {104}

Date of Fit:	11/14/2011 14:53:45	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.003419	Re-Slope:	1.000000
A1 (Gain):	0.072861	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999958	Status:	OK.
Std Error of Est:	0.002489		
MDL:	0.102497		
MQL:	0.341657		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00342	.000	1
S1	.02500	.02292	-.002	-8.32	.00508	.000	1
S2	3.7500	3.6305	-.119	-3.19	.26758	.001	1
S3	7.5000	7.4911	-.009	-.119	.54851	.023	1
S4	15.000	15.098	.098	.654	1.1021	.004	1
S5	30.000	30.032	.032	.108	2.1887	.008	1



Fe 259.837 {130}

Date of Fit:	11/14/2011 14:53:45	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000099	Re-Slope:	1.000000

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: S0 Acquired: 11/14/2011 14:33:56 Type: Cal
Method: ISM01.3 INSTRUMENT P5(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00005	-.00024	-.00016	.00006	.00002	-.00001	.02197	-.00001
Stddev	.00003	.00005	.00002	.00002	.00001	.00005	.00003	.00003
%RSD	54.445	21.730	12.175	27.751	87.905	426.81	.14422	228.23
#1	-.00008	-.00030	-.00013	.00007	.00002	.00002	.02200	-.00003
#2	-.00005	-.00021	-.00017	.00004	.00000	-.00007	.02194	.00002
#3	-.00002	-.00021	-.00017	.00007	.00003	.00001	.02197	-.00003

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00002	.00054	.00000	-.00010	.00342	.00010	-.00003	-.00001
Stddev	.00008	.00004	.00000	.00006	.00008	.00003	.00003	.00002
%RSD	471.43	6.9017	87.707	56.977	2.4818	27.416	106.16	348.38
#1	-.00008	.00058	.00001	-.00014	.00334	.00007	-.00002	.00001
#2	.00007	.00055	.00000	-.00004	.00342	.00010	-.00006	.00001
#3	.00006	.00050	.00001	-.00013	.00351	.00013	.00000	-.00003

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.00032	-.00059	-.00219	-.00007	-.00052	.00152	-.00194	.00002
Stddev	.00011	.00002	.00016	.00005	.00030	.00017	.00005	.00001
%RSD	34.635	3.3673	7.1194	81.478	57.624	11.346	2.6537	64.935
#1	-.00043	-.00057	-.00217	-.00012	-.00050	.00152	-.00199	.00002
#2	-.00021	-.00058	-.00205	-.00001	-.00083	.00170	-.00190	.00001
#3	-.00031	-.00061	-.00236	-.00007	-.00023	.00136	-.00191	.00004

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00011	.00004	.00051	.00041	.00422	.00016	-.00350
Stddev	.00005	.00003	.00002	.00001	.00012	.00003	.00006
%RSD	47.599	87.843	3.7508	2.5601	2.7761	17.401	1.6931
#1	.00005	.00003	.00053	.00042	.00416	.00016	-.00356
#2	.00015	.00008	.00049	.00040	.00416	.00013	-.00348
#3	.00011	.00001	.00051	.00042	.00436	.00018	-.00344

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: S0 Acquired: 11/14/2011 14:33:56 Type: Cal
Method: ISM01.3 INSTRUMENT P5(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	750.53	9642.6	190810.	37685.	6344.9
Stddev	2.32	20.6	814.	122.	8.4
%RSD	.30900	.21349	.42635	.32284	.13219
#1	748.40	9643.5	190010.	37694.	6347.8
#2	750.17	9662.8	190780.	37559.	6351.5
#3	753.00	9621.6	191630.	37802.	6335.5

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: S1 Acquired: 11/14/2011 14:37:23 Type: Cal
Method: ISM01.3 INSTRUMENT P5(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00016	.00141	.00114	.00089	.00351	.00554	.38662	.00100
Stddev	.00001	.00004	.00013	.00003	.00004	.00004	.00160	.00002
%RSD	5.8521	2.6249	11.776	3.6140	1.2474	.68467	.41264	1.7556
#1	.00015	.00143	.00129	.00086	.00351	.00558	.38780	.00101
#2	.00017	.00142	.00102	.00092	.00347	.00550	.38481	.00101
#3	.00015	.00137	.00111	.00089	.00356	.00555	.38726	.00098

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00832	.09923	.00007	.02798	.00508	.00139	.00332	.01722
Stddev	.00008	.00014	.00000	.00012	.00011	.00006	.00003	.00007
%RSD	.94915	.14208	6.3138	.44501	2.1947	4.3226	1.0270	.37898
#1	.00823	.09927	.00007	.02796	.00515	.00146	.00335	.01722
#2	.00836	.09907	.00006	.02786	.00495	.00134	.00329	.01715
#3	.00836	.09934	.00007	.02811	.00513	.00139	.00333	.01728

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.01743	.00047	.01131	.00236	.04814	.03523	-.00197	.00006
Stddev	.00009	.00000	.00019	.00005	.00104	.00038	.00002	.00003
%RSD	.53012	.99543	1.6538	1.9991	2.1606	1.0841	.86473	50.831
#1	.01733	.00048	.01140	.00234	.04853	.03541	-.00197	.00003
#2	.01751	.00047	.01110	.00242	.04892	.03479	-.00199	.00009
#3	.01745	.00047	.01144	.00233	.04696	.03548	-.00196	.00007

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00005	.00003	.00049	.00034	.00418	.00058	-.00233
Stddev	.00008	.00002	.00005	.00004	.00005	.00017	.00003
%RSD	152.84	59.616	10.122	10.655	1.3113	29.358	1.4015
#1	-.00001	.00001	.00053	.00038	.00420	.00046	-.00229
#2	.00002	.00004	.00043	.00030	.00411	.00078	-.00236
#3	.00014	.00005	.00050	.00034	.00422	.00050	-.00233

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: S1 Acquired: 11/14/2011 14:37:23 Type: Cal
Method: ISM01.3 INSTRUMENT P5(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	753.69	9422.1	186240.	37337.	6157.1
Stddev	4.27	19.7	823.	246.	4.1
%RSD	.56717	.20923	.44186	.65930	.06659
#1	749.00	9415.0	187130.	37062.	6158.6
#2	757.37	9406.9	186080.	37538.	6152.4
#3	754.69	9444.4	185500.	37411.	6160.2

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: S2 Acquired: 11/14/2011 14:40:48 Type: Cal
Method: ISM01.3 INSTRUMENT P5(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.02780	.08900	.81512	.02935	.07550	1.1176	4.6128	.02553
Stddev	.00009	.00052	.00654	.00026	.00063	.0014	.0199	.00003
%RSD	.30728	.58649	.80254	.89563	.83369	.12810	.43133	.09820
#1	.02773	.08852	.81181	.02924	.07521	1.1177	4.6356	.02551
#2	.02778	.08892	.81090	.02915	.07507	1.1162	4.5991	.02552
#3	.02790	.08956	.82266	.02965	.07623	1.1191	4.6036	.02556

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.0544	1.2627	.02771	.39291	.26758	.50622	.80687	.23201
Stddev	.0097	.0019	.00024	.00283	.00094	.00120	.00153	.00090
%RSD	.91735	.14615	.87338	.72060	.35291	.23720	.18972	.38949
#1	1.0466	1.2607	.02743	.39172	.26861	.50537	.80519	.23099
#2	1.0515	1.2632	.02789	.39086	.26676	.50570	.80725	.23232
#3	1.0652	1.2642	.02780	.39614	.26737	.50760	.80819	.23272

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.28567	.03077	.10050	.03127	3.0841	.26029	-.00224	.01869
Stddev	.00189	.00007	.00037	.00009	.0168	.00050	.00001	.00014
%RSD	.66210	.21996	.37224	.30201	.54422	.19036	.46460	.74107
#1	.28392	.03076	.10084	.03116	3.0665	.26077	-.00225	.01855
#2	.28540	.03071	.10010	.03129	3.0861	.25978	-.00223	.01883
#3	.28768	.03085	.10055	.03135	3.0999	.26031	-.00224	.01870

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.28644	.00036	.01582	.12475	.20146	.00137	.01235
Stddev	.00210	.00008	.00006	.00099	.00022	.00006	.00017
%RSD	.73215	21.748	.38463	.79140	.10920	4.3958	1.3389
#1	.28494	.00044	.01589	.12401	.20139	.00143	.01242
#2	.28554	.00029	.01582	.12437	.20171	.00136	.01216
#3	.28884	.00034	.01577	.12587	.20128	.00131	.01247

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: S2 Acquired: 11/14/2011 14:40:48 Type: Cal
Method: ISM01.3 INSTRUMENT P5(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	729.53	8835.7	175140.	36302.	5434.3
Stddev	6.63	44.8	565.	196.	30.3
%RSD	.90830	.50723	.32285	.53936	.55666
#1	724.73	8847.1	175550.	36112.	5440.5
#2	737.09	8873.7	175370.	36503.	5461.0
#3	726.77	8786.3	174490.	36291.	5401.4

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: S3 Acquired: 11/14/2011 14:43:59 Type: Cal
Method: ISM01.3 INSTRUMENT P5(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.05684	.17764	1.6399	.05937	.15478	2.3511	9.3691	.05296
Stddev	.00029	.00080	.0075	.00024	.00056	.0963	.2959	.00208
%RSD	.50814	.45144	.45905	.40382	.36357	4.0946	3.1579	3.9254
#1	.05674	.17717	1.6368	.05921	.15488	2.4611	9.7081	.05534
#2	.05661	.17718	1.6344	.05927	.15417	2.2824	9.1624	.05147
#3	.05716	.17856	1.6485	.05965	.15528	2.3097	9.2370	.05208

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.1329	2.6061	.05694	.79898	.54851	1.0331	1.6429	.48576
Stddev	.0105	.1006	.00003	.00460	.02311	.0409	.0640	.01887
%RSD	.49409	3.8596	.05817	.57630	4.2133	3.9581	3.8965	3.8850
#1	2.1296	2.7204	.05694	.79740	.57507	1.0798	1.7155	.50708
#2	2.1244	2.5313	.05698	.79537	.53302	1.0037	1.5945	.47118
#3	2.1447	2.5665	.05691	.80416	.53744	1.0158	1.6186	.47903

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.57966	.06470	.21098	.06421	6.3841	.53971	-.00263	.03853
Stddev	.00378	.00014	.00808	.00272	.2534	.02102	.00002	.00165
%RSD	.65284	.22312	3.8309	4.2318	3.9686	3.8952	.81145	4.2873
#1	.57895	.06461	.22023	.06727	6.6724	.56362	-.00261	.04042
#2	.57628	.06486	.20526	.06210	6.1970	.52412	-.00265	.03734
#3	.58375	.06462	.20746	.06325	6.2830	.53138	-.00264	.03784

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.57445	.00076	.02980	.25296	.40914	.00314	.02975
Stddev	.00301	.00008	.00120	.00174	.01718	.00035	.00136
%RSD	.52330	9.9289	4.0327	.68771	4.1990	11.023	4.5609
#1	.57312	.00084	.03116	.25287	.42875	.00347	.03131
#2	.57234	.00069	.02886	.25127	.39678	.00278	.02884
#3	.57789	.00075	.02939	.25474	.40188	.00316	.02909

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: S3 Acquired: 11/14/2011 14:43:59 Type: Cal
Method: ISM01.3 INSTRUMENT P5(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	700.72	8520.2	168320.	35151.	5129.1
Stddev	28.57	29.6	677.	1280.	16.8
%RSD	4.0773	.34740	.40196	3.6412	.32689
#1	667.91	8521.7	168690.	33683.	5130.5
#2	720.08	8549.0	167540.	36035.	5145.2
#3	714.18	8489.8	168730.	35735.	5111.8

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: S4 Acquired: 11/14/2011 14:47:14 Type: Cal
Method: ISM01.3 INSTRUMENT P5(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.11823	.35186	3.3197	.12226	.32271	4.7821	18.886	.10543
Stddev	.00014	.00073	.0144	.00005	.00056	.0262	.150	.00078
%RSD	.11427	.20743	.43446	.04302	.17478	.54788	.79474	.73537
#1	.11838	.35154	3.3099	.12220	.32221	4.7850	18.722	.10509
#2	.11818	.35134	3.3128	.12226	.32260	4.7546	18.919	.10489
#3	.11813	.35270	3.3362	.12231	.32332	4.8068	19.017	.10632

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.2795	5.1880	.11600	1.6197	1.1021	2.0155	3.2182	.98240
Stddev	.0155	.0452	.00098	.0052	.0037	.0158	.0238	.00750
%RSD	.36133	.87086	.84826	.32001	.33921	.78240	.73884	.76363
#1	4.2733	5.1622	.11596	1.6168	1.1035	2.0087	3.2056	.97641
#2	4.2681	5.1617	.11700	1.6166	1.0978	2.0043	3.2035	.97999
#3	4.2971	5.2402	.11503	1.6257	1.1049	2.0335	3.2457	.99082

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.1678	.13675	.42580	.12771	12.940	1.0965	-.00348	.07670
Stddev	.0035	.00054	.00258	.00087	.084	.0042	.00003	.00040
%RSD	.30066	.39529	.60559	.68155	.65261	.37916	.96875	.51703
#1	1.1657	.13679	.42638	.12806	12.930	1.0968	-.00347	.07659
#2	1.1659	.13726	.42298	.12672	12.861	1.0922	-.00352	.07638
#3	1.1719	.13618	.42803	.12835	13.029	1.1005	-.00346	.07714

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.1585	.00142	.05849	.51344	.80951	.00604	.06344
Stddev	.0000	.00016	.00035	.00174	.00370	.00010	.00086
%RSD	.00315	11.379	.60272	.33873	.45715	1.6995	1.3489
#1	1.1585	.00129	.05829	.51345	.81004	.00601	.06343
#2	1.1585	.00137	.05827	.51170	.80557	.00595	.06259
#3	1.1584	.00160	.05889	.51517	.81291	.00615	.06431

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: S4 Acquired: 11/14/2011 14:47:14 Type: Cal
Method: ISM01.3 INSTRUMENT P5(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	671.19	7998.7	159490.	34881.	4711.1
Stddev	6.02	22.7	1001.	237.	6.4
%RSD	.89625	.28364	.62732	.67976	.13495
#1	668.70	7975.1	159150.	34879.	4707.4
#2	678.05	8000.7	158700.	35119.	4718.4
#3	666.83	8020.4	160610.	34644.	4707.4

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: S5 Acquired: 11/14/2011 14:50:28 Type: Cal
Method: ISM01.3 INSTRUMENT P5(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934	Be2348
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.23629	.66735	6.3908	.24259	.64654	9.4911	36.481	.20502
Stddev	.00028	.00057	.0052	.00019	.00097	.0289	.324	.00104
%RSD	.11872	.08538	.08116	.07882	.15003	.30446	.88877	.50619
#1	.23660	.66800	6.3967	.24266	.64759	9.5088	36.292	.20583
#2	.23606	.66714	6.3888	.24238	.64568	9.5068	36.856	.20539
#3	.23622	.66692	6.3870	.24274	.64635	9.4578	36.296	.20385

Elem	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598	Mn2576	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	8.1008	9.8081	.22499	3.1204	2.1887	3.8226	6.1124	1.9163
Stddev	.0181	.0201	.00036	.0056	.0080	.0172	.0145	.0035
%RSD	.22332	.20466	.16091	.17929	.36403	.44909	.23761	.18383
#1	8.1151	9.8291	.22535	3.1249	2.1939	3.8370	6.1284	1.9202
#2	8.1068	9.7892	.22500	3.1222	2.1928	3.8273	6.1089	1.9135
#3	8.0804	9.8059	.22463	3.1142	2.1796	3.8036	6.1000	1.9152

Elem	Ni2316	Ag3280	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.2295	.27996	.83804	.24540	25.072	2.1847	-.00533	.14880
Stddev	.0032	.00090	.00172	.00084	.111	.0060	.00009	.00035
%RSD	.14597	.32019	.20480	.34226	.44086	.27677	1.6222	.23733
#1	2.2324	.28086	.83863	.24606	25.015	2.1842	-.00529	.14920
#2	2.2300	.27994	.83938	.24568	25.199	2.1910	-.00527	.14866
#3	2.2260	.27907	.83610	.24445	25.001	2.1789	-.00543	.14854

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707	Sr4077
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.2201	.00289	.11281	.98111	1.5695	.01176	.12794
Stddev	.0028	.00006	.00026	.00154	.0038	.00034	.00111
%RSD	.12533	2.0343	.23180	.15708	.23928	2.8584	.86878
#1	2.2230	.00289	.11284	.98217	1.5737	.01168	.12846
#2	2.2175	.00283	.11305	.98183	1.5666	.01213	.12871
#3	2.2199	.00295	.11253	.97935	1.5682	.01148	.12667

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: S5 Acquired: 11/14/2011 14:50:28 Type: Cal
Method: ISM01.3 INSTRUMENT P5(v5) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	634.12	7403.8	151200.	33863.	4269.4
Stddev	5.03	21.5	481.	155.	10.0
%RSD	.79373	.29094	.31826	.45917	.23482
#1	634.04	7384.2	150910.	33732.	4259.6
#2	629.12	7426.9	150930.	33823.	4279.7
#3	639.19	7400.5	151750.	34035.	4268.9

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: ICV Acquired: 11/14/2011 14:57:23 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: ICV20 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9568708	1.089451	1.004486	.9646036	.9338851	2.492067
Stddev	.0062746	.003529	.006111	.0023443	.0019030	.026085
%RSD	.6557403	.3239069	.6084187	.2430273	.2037699	1.046704
#1	.9567748	1.086123	1.008982	.9671958	.9356619	2.462058
#2	.9631929	1.093151	1.006949	.9639824	.9341164	2.504834
#3	.9506448	1.089078	.997527	.9626325	.9318770	2.509308

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5253253	.4798716	.4932233	10.44075	.4909536	.4910787
Stddev	.0056052	.0078277	.0006537	.16425	.0048163	.0017315
%RSD	1.066989	1.631211	.1325437	1.573178	.9810111	.3525972
#1	.5189044	.4708775	.4934665	10.25261	.4863818	.4925829
#2	.5278310	.4835920	.4937205	10.51410	.4959819	.4914673
#3	.5292405	.4851452	.4924828	10.55555	.4904971	.4891859

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5049281	5.205164	.5315508	5.560337	.5090098	.4564598
Stddev	.0050457	.029350	.0074320	.094991	.0008302	.0007063
%RSD	.9992965	.5638675	1.398167	1.708370	.1631013	.1547357
#1	.4992519	5.171273	.5229768	5.450956	.5094577	.4557992
#2	.5066285	5.222129	.5355232	5.622117	.5095198	.4572043
#3	.5089040	5.222089	.5361524	5.607936	.5080518	.4563760

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.914523	.5175873	.9874847	9.865215	F.0715573	F2.465018
Stddev	.129666	.0079832	.0112363	.060131	.0748696	.028587
%RSD	1.307843	1.542386	1.137875	.6095211	104.6289	1.159711
#1	9.765201	.5085157	.9750947	9.797023	.1563476	2.434003
#2	9.998702	.5207052	.9903448	9.887989	.0145534	2.470738
#3	9.979666	.5235411	.9970146	9.910631	.0437709	2.490313

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: ICV Acquired: 11/14/2011 14:57:23 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: ICV20 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.517441	-.241400	2.348785	2.324153	2.491028	W.6947910
Stddev	.008772	.098366	.025247	.002768	.023035	.0743900
%RSD	.3484407	40.74801	1.074894	.1190846	.9247321	10.70681
#1	2.526885	-.176738	2.320910	2.324423	2.464686	.6577075
#2	2.515891	-.192862	2.355329	2.326777	2.501002	.7804332
#3	2.509548	-.354601	2.370115	2.321261	2.507395	.6462322

Elem	Sr4077
Units	ppm
Avg	F2.506833
Stddev	.036363
%RSD	1.450556
#1	2.465062
#2	2.531414
#3	2.524024

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	721.6637	9026.196	179251.9	36438.51	5874.152
Stddev	2.4180	40.070	364.8	319.50	21.107
%RSD	.3350637	.4439250	.2034887	.8768117	.3593238
#1	720.2405	8981.883	179522.0	36801.35	5853.067
#2	720.2951	9036.828	178836.9	36199.31	5874.110
#3	724.4556	9059.877	179396.7	36314.86	5895.281

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: ICB Acquired: 11/14/2011 15:00:34 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: ICB20 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001811	-.000385	.0001136	.0044223	.0006957	.0041558
Stddev	.000943	.001146	.0007227	.0008724	.0010429	.0029688
%RSD	52.09700	297.8359	636.0832	19.72629	149.8986	71.43626
#1	-.002852	-.000454	.0004169	.0041209	.0014393	.0075620
#2	-.001567	-.001494	-.000711	.0054054	-.000496	.0027875
#3	-.001013	.000794	.000635	.0037406	.001144	.0021179

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000007	-.000000	-.000019	-.001824	.0003427	-.000020
Stddev	.000235	.000172	.000032	.002111	.0005125	.000125
%RSD	3249.960	65927.48	165.9236	115.7513	149.5513	618.1865
#1	.000254	.000125	.000000	-.001052	.0009200	-.000096
#2	-.000074	-.000196	-.000057	-.004212	-.000059	-.000089
#3	-.000201	.000070	-.000002	-.000207	.000167	.000124

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005179	.0110465	.0000517	.0041861	.0002340	-.000069
Stddev	.0011192	.0055062	.0000358	.0066182	.0001924	.000103
%RSD	216.0922	49.84610	69.18718	158.0981	82.19754	149.6569
#1	.0018056	.0173757	.0000104	.0063532	.0004401	-.000152
#2	-.000221	.0073579	.0000721	-.003244	.0000591	-.000101
#3	-.000031	.0084059	.0000725	.009449	.0002029	.000046

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.021538	.0007284	.0012361	.2013846	.0212096	.0157922
Stddev	.091786	.0002643	.0011069	.0113107	.1821462	.0033362
%RSD	426.1607	36.27520	89.54486	5.616473	858.7911	21.12546
#1	-.108916	.0010316	.0024706	.1913434	-.188399	.0164348
#2	.074098	.0005470	.0003322	.2136380	.110998	.0187603
#3	-.029795	.0006068	.0009055	.1991726	.141030	.0121814

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: ICB Acquired: 11/14/2011 15:00:34 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: ICB20 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0079008	-.151238	-.021366	-.000039	.0016996	F.3189160
Stddev	.0020153	.173191	.003976	.000218	.0006029	.1177363
%RSD	25.50704	114.5156	18.60786	557.7324	35.47138	36.91766
#1	.0100889	-.307641	-.017152	.000210	.0023933	.2574832
#2	.0074924	.034893	-.021896	-.000130	.0013030	.2446022
#3	.0061210	-.180965	-.025050	-.000197	.0014024	.4546627

Elem	Sr4077
Units	ppm
Avg	-.008634
Stddev	.007699
%RSD	89.17341
#1	-.013856
#2	.000208
#3	-.012253

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	716.8318	9184.684	182754.6	35920.17	6130.532
Stddev	12.4047	31.674	680.7	507.80	7.459
%RSD	1.730483	.3448600	.3724575	1.413684	.1216660
#1	704.4115	9148.292	182113.9	35344.24	6121.980
#2	716.8632	9206.039	183469.2	36112.82	6135.696
#3	729.2207	9199.720	182680.6	36303.45	6133.919

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: ICSA Acquired: 11/14/2011 15:03:59 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: ICSA20 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014748	.0004718	.0101534	-.006717	.0025552	238.0301
Stddev	.0011227	.0010383	.0016913	.001725	.0004265	.7815
%RSD	76.12275	220.0835	16.65760	25.67991	16.69134	.3283027
#1	.0015543	.0015077	.0119131	-.007228	.0029096	237.6584
#2	.0003145	-.000569	.0085400	-.004794	.0020819	237.5039
#3	.0025556	.000476	.0100071	-.008128	.0026742	238.9281

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0042536	.0019275	.0041492	256.4370	.0437044	.0030818
Stddev	.0002751	.0000572	.0000448	.7641	.0014874	.0001455
%RSD	6.467477	2.966716	1.080967	.2979519	3.403290	4.721338
#1	.0040089	.0019186	.0041477	255.6456	.0421206	.0030219
#2	.0042005	.0018753	.0041051	256.4952	.0450716	.0029758
#3	.0045514	.0019886	.0041948	257.1703	.0439210	.0032477

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0246026	96.03415	.0235838	243.3277	.0192816	-.002688
Stddev	.0012348	.38417	.0004492	.3715	.0002614	.000068
%RSD	5.018899	.4000383	1.904806	.1526952	1.355500	2.516784
#1	.0235319	95.66488	.0235093	242.9853	.0193882	-.002756
#2	.0259534	96.00592	.0231765	243.7228	.0194727	-.002620
#3	.0243226	96.43167	.0240656	243.2749	.0189837	-.002689

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8581001	.0042570	.0331902	.1068327	F-6.62974	.0144872
Stddev	.0813362	.0014529	.0038795	.0111626	.16432	.0030761
%RSD	9.478641	34.13018	11.68865	10.44869	2.478512	21.23330
#1	.9346236	.0047970	.0376416	.0944387	-6.59382	.0157802
#2	.8669943	.0026114	.0313997	.1099643	-6.80904	.0109757
#3	.7726823	.0053627	.0305294	.1160950	-6.48635	.0167058

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: ICSA Acquired: 11/14/2011 15:03:59 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: ICSA20 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014912	4.208456	.0821324	-.000718	-.001762	4.988542
Stddev	.0001698	.475103	.0041208	.000813	.001433	.194094
%RSD	11.38724	11.28925	5.017331	113.2501	81.28835	3.890790
#1	.0016866	3.957047	.0856471	-.001584	-.003415	4.980230
#2	.0013791	4.756437	.0831529	-.000597	-.001003	5.186658
#3	.0014079	3.911883	.0775972	.000028	-.000869	4.798738

Elem	Sr4077
Units	ppm
Avg	F20.31925
Stddev	.17608
%RSD	.8665647
#1	20.20924
#2	20.22618
#3	20.52234

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	695.4345	8274.352	162947.9	34849.78	4975.113
Stddev	3.2668	16.782	260.1	150.24	4.710
%RSD	.4697542	.2028153	.1596327	.4311071	.0946704
#1	695.6663	8280.838	162830.2	35017.25	4980.442
#2	692.0579	8255.295	163246.1	34805.28	4973.390
#3	698.5793	8286.923	162767.5	34726.82	4971.507

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: ICSAB Acquired: 11/14/2011 15:07:21 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: ICSAB20 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0978495	.0989117	.0632566	.0437574	.5757238	241.3910
Stddev	.0038134	.0020674	.0028400	.0017924	.0190948	.5976
%RSD	3.897175	2.090121	4.489719	4.096135	3.316657	.2475850
#1	.0956308	.1001024	.0652960	.0436617	.5771338	241.9461
#2	.0956650	.0965245	.0600128	.0420147	.5559631	240.7584
#3	.1022528	.1001083	.0644610	.0455956	.5940745	241.4683

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5105359	.4935641	.9984242	255.7047	.5311396	.4917224
Stddev	.0025164	.0006839	.0337628	.6298	.0047410	.0167408
%RSD	.4928979	.1385716	3.381605	.2462923	.8926172	3.404515
#1	.5133663	.4935804	1.000409	255.5338	.5257586	.4925165
#2	.5096897	.4928722	.963713	256.4023	.5347022	.4745987
#3	.5085516	.4942398	1.031151	255.1780	.5329582	.5080519

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5129498	96.74136	.5314681	242.2555	1.029987	.2025396
Stddev	.0021697	.16378	.0014232	.5833	.034800	.0012026
%RSD	.4229850	.1692990	.2677924	.2407840	3.378727	.5937520
#1	.5148586	96.78405	.5327619	241.8213	1.034045	.2037814
#2	.5134007	96.56046	.5316989	242.9186	.993335	.2024570
#3	.5105901	96.87957	.5299436	242.0267	1.062580	.2013805

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9349744	.5005639	1.019087	.0511669	F-6.48426	.0153613
Stddev	.0411450	.0002529	.005301	.0155668	.35745	.0023510
%RSD	4.400657	.0505161	.5202020	30.42346	5.512528	15.30455
#1	.9249797	.5004227	1.021625	.0679533	-6.50337	.0126471
#2	.9801961	.5004131	1.022642	.0372072	-6.11764	.0167643
#3	.8997476	.5008558	1.012993	.0483403	-6.83177	.0166723

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: ICSAB Acquired: 11/14/2011 15:07:21 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: ICSAB20 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012989	5.542575	.0891925	-.003420	-.002761	4.772491
Stddev	.0001639	.419561	.0026385	.000576	.000660	.194754
%RSD	12.61460	7.569782	2.958200	16.83491	23.92273	4.080772
#1	.0014062	5.911856	.0920874	-.002779	-.002006	4.563379
#2	.0013802	5.086356	.0885676	-.003893	-.003232	4.805399
#3	.0011103	5.629512	.0869226	-.003587	-.003044	4.948695

Elem	Sr4077
Units	ppm
Avg	F20.74972
Stddev	.19096
%RSD	.9202846
#1	20.95960
#2	20.58623
#3	20.70334

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	685.6759	8137.003	161009.8	34677.85	4902.593
Stddev	5.8685	249.854	625.0	132.28	144.877
%RSD	.8558669	3.070589	.3882003	.3814581	2.955105
#1	678.9069	8084.832	160922.9	34537.80	4875.477
#2	688.7872	8408.824	160432.8	34695.06	5059.112
#3	689.3335	7917.354	161673.8	34800.68	4773.190

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: CCV Acquired: 11/14/2011 15:25:53 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV24 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.686259	4.802459	23.81913	4.758841	4.724537	147.9378
Stddev	.032009	.011917	.05078	.025336	.027077	.1374
%RSD	.6830458	.2481456	.2131921	.5323946	.5731128	.0928760
#1	4.723211	4.814771	23.82257	4.787752	4.755577	148.0582
#2	4.667061	4.790981	23.76671	4.748259	4.712270	147.9670
#3	4.668505	4.801624	23.86810	4.740512	4.705766	147.7881

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.06249	.4688475	2.377677	245.7773	14.48904	2.394028
Stddev	.02280	.0037194	.004084	1.5054	.08950	.005800
%RSD	.2266000	.7933011	.1717734	.6125217	.6176896	.2422660
#1	10.08644	.4668091	2.379016	244.1730	14.43653	2.398156
#2	10.04104	.4665930	2.373091	246.0000	14.43822	2.387397
#3	10.06000	.4731404	2.380923	247.1590	14.59238	2.396531

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.72844	141.5756	14.53694	232.3322	2.385822	1.179982
Stddev	.04070	.5336	.06832	1.8740	.007811	.008948
%RSD	.2763208	.3768871	.4699507	.8065945	.3273838	.7583574
#1	14.76712	141.2333	14.46736	230.4679	2.392969	1.189608
#2	14.73220	141.3030	14.53953	232.3131	2.377485	1.171916
#3	14.68599	142.1904	14.60392	234.2157	2.387013	1.178422

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	145.1509	2.416102	14.03243	143.1872	F-182.604	4.938908
Stddev	.3317	.012038	.05407	.3274	.816	.022926
%RSD	.2285226	.4982554	.3853569	.2286767	.4470019	.4641832
#1	145.4109	2.408917	13.97013	143.3143	-183.509	4.922134
#2	145.2645	2.409389	14.05994	143.4321	-181.923	4.965030
#3	144.7773	2.430000	14.06722	142.8153	-182.381	4.929558

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: CCV Acquired: 11/14/2011 15:25:53 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV24 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.907904	217.4254	5.155642	4.842322	4.966111	F816.6122
Stddev	.026050	.5021	.036330	.018894	.005913	5.7901
%RSD	.5307699	.2309526	.7046631	.3901844	.1190594	.7090348
#1	4.937732	217.7173	5.116185	4.861280	4.959459	821.7081
#2	4.889625	216.8455	5.163033	4.823493	4.968105	817.8124
#3	4.896357	217.7133	5.187708	4.842192	4.970768	810.3161

Elem	Sr4077
Units	ppm
Avg	F460.1547
Stddev	5.6481
%RSD	1.227436
#1	466.1877
#2	459.2838
#3	454.9926

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	632.1083	7854.803	155293.0	33596.53	4643.520
Stddev	9.4059	77.603	1473.3	269.63	26.619
%RSD	1.488014	.9879725	.9486997	.8025507	.5732447
#1	622.9000	7765.648	153593.7	33290.69	4612.817
#2	631.7250	7891.583	156210.8	33698.99	4660.117
#3	641.7000	7907.178	156074.7	33799.92	4657.626

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: CCB Acquired: 11/14/2011 15:29:12 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB24 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001317	.0027377	.0007694	.0046148	.0002489	.0088956
Stddev	.000528	.0003987	.0005158	.0015349	.0003931	.0067351
%RSD	40.12830	14.56361	67.03785	33.25996	157.9368	75.71306
#1	-.000881	.0031889	.0006105	.0037536	.0001987	.0161956
#2	-.001165	.0025917	.0013460	.0037038	.0006647	.0075682
#3	-.001905	.0024326	.0003518	.0063868	-.000117	.0029230

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009954	.0000421	.0000146	.0059681	.0005374	-.000119
Stddev	.0000704	.0001279	.0000245	.0055775	.0015238	.000108
%RSD	7.073281	303.9004	168.0083	93.45528	283.5248	91.01407
#1	.0010078	.0001866	.0000193	.0124056	.0021047	-.000230
#2	.0009196	-.000057	-.000012	.0029139	-.000939	-.000115
#3	.0010588	-.000003	.000036	.0025847	.000446	-.000013

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0064751	.0253302	.0003690	.0127871	-.000068	-.000081
Stddev	.0004676	.0232294	.0000970	.0152411	.000157	.000080
%RSD	7.221256	91.70660	26.29049	119.1906	230.6750	99.15343
#1	.0067102	.0519203	.0004809	.0229080	-.000106	-.000003
#2	.0059366	.0150899	.0003178	.0201953	.000104	-.000077
#3	.0067784	.0089804	.0003083	-.004742	-.000203	-.000163

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.028532	.0002486	.0017547	.1544982	-.027635	.0162269
Stddev	.009681	.0008822	.0014179	.0442213	.070025	.0028684
%RSD	33.92918	354.8125	80.80689	28.62255	253.3898	17.67672
#1	-.039352	-.000770	.0014214	.1043465	.028743	.0193486
#2	-.025551	.000756	.0033096	.1712597	-.005629	.0137075
#3	-.020692	.000760	.0005332	.1878884	-.106020	.0156246

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: CCB Acquired: 11/14/2011 15:29:12 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB24 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0062870	-.216763	-.020210	.0005629	.0045025	F.3115082
Stddev	.0017231	.043054	.003778	.0008819	.0004961	.2531462
%RSD	27.40739	19.86244	18.69569	156.6555	11.01880	81.26468
#1	.0080603	-.207012	-.016039	.0008571	.0049291	.0506400
#2	.0061818	-.263856	-.021187	-.000428	.0046203	.5561519
#3	.0046189	-.179420	-.023404	.001260	.0039581	.3277329

Elem	Sr4077
Units	ppm
Avg	-.009394
Stddev	.011879
%RSD	126.4542
#1	-.000758
#2	-.004483
#3	-.022941

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	705.1755	9064.579	179937.5	35628.32	6068.120
Stddev	8.8504	40.237	701.6	330.00	7.569
%RSD	1.255069	.4438900	.3899136	.9262378	.1247363
#1	697.2172	9018.293	180607.0	35247.71	6060.382
#2	703.6021	9084.230	179207.7	35834.63	6075.508
#3	714.7071	9091.214	179997.9	35802.61	6068.469

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: PB59103BL Acquired: 11/14/2011 15:32:37 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: PBW01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001572	-.001141	-.000213	.0033016	-.000657	.0014274	.0009633
Stddev	.000692	.000422	.000802	.0017485	.000296	.0019432	.0002963
%RSD	44.03234	36.95029	376.0710	52.95911	45.12044	136.1382	30.75507
#1	-.002335	-.001199	.000712	.0021548	-.000656	.0035523	.0009104
#2	-.001396	-.000693	-.000703	.0024359	-.000361	-.000259	.0006970
#3	-.000984	-.001530	-.000648	.0053140	-.000954	.000989	.0012824

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000274	.0000111	-.000052	.0015683	-.000038	.0049993	-.002216
Stddev	.0000385	.0000332	.004992	.0008646	.000090	.0005432	.003637
%RSD	140.3281	298.8363	9613.583	55.12964	233.3155	10.86510	164.1375
#1	.0000704	.0000298	.005048	.0023995	-.000134	.0044091	-.003509
#2	-.000004	.0000308	-.000275	.0016317	-.000024	.0054783	.001891
#3	.000016	-.000027	-.004929	.0006737	.000043	.0051106	-.005028

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001454	-.009413	-.000072	-.000328	-.024075	.0011514	.0006277
Stddev	.0001247	.006649	.000195	.000243	.079893	.0005896	.0010089
%RSD	85.77921	70.63854	269.8910	74.14603	331.8570	51.20324	160.7209
#1	.0000435	-.013358	-.000102	-.000269	.034625	.0014522	.0006189
#2	.0001082	-.013143	-.000251	-.000594	.008210	.0015300	.0016410
#3	.0002845	-.001736	.000136	-.000119	-.115058	.0004721	-.000377

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1388358	.0270915	.0052594	.0015687	-.238494	-.022585	-.000051
Stddev	.0184175	.1193010	.0005113	.0002191	.320082	.004582	.000458
%RSD	13.26566	440.3626	9.721892	13.96646	134.2099	20.28651	890.1958
#1	.1348939	.1290117	.0046967	.0018033	-.065290	-.019705	.000473
#2	.1227084	.0563932	.0053862	.0015334	-.042336	-.020182	-.000256
#3	.1589051	-.104130	.0056955	.0013694	-.607855	-.027869	-.000371

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: PB59103BL Acquired: 11/14/2011 15:32:37 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: PBW01 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0033335	F-.029820	F-.022872
Stddev	.0003510	.130151	.010271
%RSD	10.52840	436.4601	44.90468
#1	.0029290	-.170092	-.011161
#2	.0035148	.087028	-.030347
#3	.0035567	-.006395	-.027107

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	713.8628	9046.883	180735.5	35261.74	6074.781
Stddev	11.9966	39.550	1075.8	318.48	20.844
%RSD	1.680521	.4371652	.5952531	.9031758	.3431210
#1	701.3266	9001.865	181817.3	35063.86	6055.613
#2	725.2349	9076.041	180723.5	35629.12	6096.971
#3	715.0269	9062.744	179665.7	35092.24	6071.760

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: PB59103BS Acquired: 11/14/2011 15:36:03 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: LCS01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0180648	.0512172	.0202241	.0645847	.1075179	.3779293	.4035735
Stddev	.0015673	.0008768	.0004004	.0003238	.0008128	.0033938	.0009550
%RSD	8.675967	1.711823	1.979667	.5014322	.7559945	.8979916	.2366408
#1	.0164913	.0516894	.0205683	.0647749	.1066456	.3740175	.4036241
#2	.0196258	.0502056	.0197847	.0642107	.1082540	.3796831	.4045022
#3	.0180774	.0517566	.0203194	.0647683	.1076540	.3800874	.4025942

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0095700	.0096687	9.855106	.0191721	.0866826	.0527576	.2092079
Stddev	.0001590	.0000326	.009890	.0018979	.0002098	.0018262	.0047171
%RSD	1.661836	.3370580	.1003507	9.899060	.2420311	3.461442	2.254717
#1	.0094247	.0096645	9.858766	.0182435	.0865806	.0548362	.2133777
#2	.0097399	.0097032	9.843908	.0179174	.0869239	.0514107	.2101580
#3	.0095453	.0096385	9.862644	.0213555	.0865433	.0520260	.2040882

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0325203	8.962341	.0767841	.0191264	9.640477	.0940926	.1144250
Stddev	.0002409	.016503	.0004141	.0002063	.083246	.0011393	.0012013
%RSD	.7407502	.1841399	.5392332	1.078707	.8635097	1.210786	1.049850
#1	.0323699	8.971394	.0772397	.0189238	9.736542	.0946248	.1146898
#2	.0327982	8.972336	.0764308	.0191193	9.589512	.0948683	.1154718
#3	.0323929	8.943292	.0766819	.0193362	9.595377	.0927846	.1131134

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.222661	.1952504	.0043200	.0003466	-.124721	.0209394	.0000276
Stddev	.044313	.0865625	.0026622	.0002610	.049273	.0064560	.0003698
%RSD	.4804774	44.33410	61.62535	75.32152	39.50678	30.83180	1339.431
#1	9.217563	.1514523	.0073635	.0006473	-.072176	.0283922	.0002629
#2	9.269302	.2949592	.0031723	.0002138	-.132096	.0170632	.0002185
#3	9.181117	.1393396	.0024241	.0001786	-.169891	.0173629	-.000399

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: PB59103BS Acquired: 11/14/2011 15:36:03 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: LCS01 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0038029	.1379401	.1847328
Stddev	.0000114	.4195173	.0039967
%RSD	.2999015	304.1301	2.163519
#1	.0037995	-.016297	.1880110
#2	.0038156	.612743	.1859068
#3	.0037935	-.182626	.1802805

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	736.4218	9056.477	177870.6	35918.56	5984.937
Stddev	2.8832	29.396	1871.8	233.92	19.754
%RSD	.3915207	.3245841	1.052354	.6512537	.3300673
#1	733.1654	9070.761	179337.6	35692.16	5973.796
#2	737.4500	9022.669	178511.6	35904.18	5973.270
#3	738.6500	9076.002	175762.4	36159.34	6007.746

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4391-18 Acquired: 11/14/2011 15:39:27 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9T99 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007183	.0016644	.0003267	.0015926	-.001595	.0057832	.0035422
Stddev	.0021313	.0014338	.0005590	.0021024	.001360	.0028875	.0002302
%RSD	296.7041	86.14618	171.1166	132.0156	85.32280	49.92904	6.499369
#1	-.000085	.0033160	-.000168	.0010383	-.000147	.0024864	.0037948
#2	.003134	.0007403	.000216	-.000177	-.002847	.0078630	.0034874
#3	-.000895	.0009367	.000933	.003917	-.001789	.0070002	.0033443

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000021	.0000519	1.099860	-.001257	.0000793	.0038020	.0305303
Stddev	.000105	.0001082	.005761	.000748	.0000372	.0015756	.0067192
%RSD	488.7692	208.4125	.5237764	59.50353	46.94499	41.44160	22.00834
#1	.000019	-.000054	1.106094	-.000435	.0001219	.0056173	.0380209
#2	.000057	.000162	1.098750	-.001897	.0000625	.0027902	.0250341
#3	-.000141	.000047	1.094734	-.001440	.0000534	.0029984	.0285358

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009634	.0988663	.0003678	-.000386	.4852567	.0012025	.0039058
Stddev	.0000699	.0046433	.0000794	.000217	.0471247	.0015420	.0008368
%RSD	7.257827	4.696534	21.57453	56.26252	9.711295	128.2335	21.42375
#1	.0008841	.1042143	.0003285	-.000445	.4357045	.0016699	.0042026
#2	.0009901	.0965222	.0003158	-.000567	.4905604	.0024566	.0045537
#3	.0010161	.0958623	.0004591	-.000145	.5295052	-.000519	.0029611

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.053532	-.231736	.0040879	-.000184	1.478748	.0487735	-.004744
Stddev	.017386	.078683	.0000689	.000326	.065455	.0030443	.000314
%RSD	32.47742	33.95390	1.684648	177.7436	4.426404	6.241815	6.617608
#1	-.033902	-.228912	.0041284	-.000031	1.530946	.0521069	-.005031
#2	-.066988	-.311793	.0040084	.000038	1.405311	.0480738	-.004408
#3	-.059707	-.154502	.0041270	-.000558	1.499987	.0461400	-.004792

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4391-18 Acquired: 11/14/2011 15:39:27 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9T99 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0024465	-.504631	.5806681
Stddev	.0013215	.116332	.0048663
%RSD	54.01578	23.05291	.8380489
#1	.0039718	-.638486	.5852490
#2	.0017198	-.427947	.5811958
#3	.0016478	-.447460	.5755595

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	768.3490	9222.824	186411.5	37346.38	6293.344
Stddev	1.8293	62.386	48.2	201.30	35.421
%RSD	.2380756	.6764304	.0258387	.5389991	.5628321
#1	767.1554	9294.825	186355.9	37322.52	6333.135
#2	767.4366	9184.850	186440.1	37158.08	6265.253
#3	770.4550	9188.796	186438.4	37558.54	6281.645

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4481-01 Acquired: 11/14/2011 15:42:53 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TA1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000695	.0006926	.0003824	.0006614	-.000211	.0032348	.0045334
Stddev	.000437	.0006689	.0007082	.0028010	.000806	.0043083	.0002000
%RSD	62.97651	96.57609	185.1942	423.4656	381.0886	133.1852	4.411599
#1	-.001087	.0001703	-.000366	.0037035	.000401	.0014882	.0043175
#2	-.000774	.0014465	.001042	.0000918	-.001124	.0000741	.0047123
#3	-.000223	.0004610	.000471	-.001811	.000089	.0081422	.0045705

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000488	-.000003	3.151900	-.000869	-.000205	.0049545	.0514823
Stddev	.0000075	.000073	.009477	.000868	.000161	.0007009	.0009574
%RSD	15.33386	2246.548	.3006674	99.79918	78.57832	14.14697	1.859767
#1	.0000445	.000063	3.160599	-.000634	-.000268	.0054290	.0525594
#2	.0000444	.000007	3.141801	-.000143	-.000325	.0052851	.0511596
#3	.0000574	-.000080	3.153301	-.001830	-.000022	.0041495	.0507278

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014339	.1594699	.0006568	-.000181	.4771367	.0008083	.0034375
Stddev	.0001153	.0121066	.0000896	.000160	.0688619	.0003677	.0009861
%RSD	8.043404	7.591771	13.63538	88.57409	14.43232	45.49510	28.68691
#1	.0015656	.1565627	.0005685	-.000365	.4999262	.0006706	.0025840
#2	.0013510	.1727653	.0006545	-.000107	.5317150	.0012250	.0032115
#3	.0013852	.1490815	.0007476	-.000071	.3997690	.0005292	.0045170

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.082951	F-1.82436	.0021322	-.000459	1.854466	.0570954	-.004445
Stddev	.026407	.07144	.0009907	.000166	.170008	.0058441	.000373
%RSD	31.83474	3.915782	46.46496	36.16258	9.167505	10.23564	8.393463
#1	-.082532	-1.80465	.0014686	-.000273	1.986563	.0638429	-.004781
#2	-.109565	-1.76485	.0016570	-.000591	1.914178	.0536402	-.004044
#3	-.056756	-1.90359	.0032710	-.000515	1.662657	.0538031	-.004510

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4481-01 Acquired: 11/14/2011 15:42:53 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TA1 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0036019	-.274320	1.089950
Stddev	.0007427	.312005	.009014
%RSD	20.61874	113.7374	.8270485
#1	.0032699	.050120	1.079546
#2	.0044526	-.572191	1.095422
#3	.0030831	-.300890	1.094883

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	737.8776	8966.308	181252.1	36901.26	6168.580
Stddev	2.8818	76.984	980.4	178.39	45.134
%RSD	.3905573	.8585949	.5408829	.4834194	.7316760
#1	737.0328	9030.705	180780.5	37099.37	6193.958
#2	741.0875	8881.041	180596.6	36851.05	6116.470
#3	735.5127	8987.179	182379.1	36753.36	6195.312

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4481-02 Acquired: 11/14/2011 15:46:19 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TA7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0466707	-.000310	.5610346	-.011838	.0052476	28.33138
Stddev	.0026850	.001422	.0092622	.001795	.0013901	.11563
%RSD	5.753104	458.3268	1.650913	15.16027	26.49045	.4081291
#1	.0469649	-.001842	.5556588	-.009813	.0065877	28.29039
#2	.0438508	-.000057	.5717296	-.013234	.0053426	28.24183
#3	.0491966	.000968	.5557153	-.012465	.0038124	28.46192

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.657927	.0168754	.0241860	41.85072	.0417436	.0641598
Stddev	.005411	.0001090	.0004198	.09543	.0005356	.0008983
%RSD	.3263503	.6456837	1.735734	.2280326	1.283082	1.400089
#1	1.651701	.0168429	.0237962	41.79520	.0420006	.0633792
#2	1.660592	.0169969	.0246305	41.79603	.0421023	.0651417
#3	1.661488	.0167864	.0241313	41.96091	.0411279	.0639586

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1451367	219.6368	1.426258	17.87911	.2557426	-.006323
Stddev	.0004381	.5230	.005602	.07750	.0037756	.000478
%RSD	.3018437	.2380987	.3927493	.4334865	1.476327	7.554279
#1	.1448109	219.4157	1.421743	17.85967	.2538984	-.006771
#2	.1456348	219.2606	1.424505	17.81318	.2600859	-.006378
#3	.1449645	220.2339	1.432527	17.96449	.2532436	-.005820

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.61823	.1816743	2.091326	5.366318	F-850.373	.0930953
Stddev	.16540	.0015524	.003870	.014367	10.230	.0022588
%RSD	.8884023	.8545042	.1850729	.2677299	1.203028	2.426310
#1	18.62487	.1798868	2.091081	5.379850	-842.795	.0906293
#2	18.44960	.1826856	2.095312	5.367863	-862.009	.0935928
#3	18.78021	.1824503	2.087583	5.351241	-846.313	.0950639

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4481-02 Acquired: 11/14/2011 15:46:19 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TA7 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002784	691.2188	16.33296	-.003165	.1165310	7.857001
Stddev	.000218	10.9109	.03685	.001040	.0015175	.092609
%RSD	7.829575	1.578499	.2256221	32.85640	1.302245	1.178676
#1	-.002918	683.2771	16.30048	-.002830	.1148799	7.764017
#2	-.002903	703.6599	16.32538	-.004332	.1168484	7.949229
#3	-.002533	686.7196	16.37300	-.002334	.1178647	7.857757

Elem	Sr4077
Units	ppm
Avg	F78.02106
Stddev	.31920
%RSD	.4091180
#1	77.77339
#2	77.90851
#3	78.38129

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	735.6662	8675.446	175163.4	37179.11	5496.414
Stddev	1.7092	79.225	750.8	82.92	63.868
%RSD	.2323384	.9132091	.4286150	.2230246	1.161985
#1	735.6000	8731.552	174585.8	37222.24	5540.328
#2	733.9910	8584.818	174892.3	37231.57	5423.147
#3	737.4076	8709.969	176012.1	37083.52	5525.767

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4481-03 Acquired: 11/14/2011 15:49:36 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TC9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046772	.0022173	.0163770	.0002928	-.000069	.6900767
Stddev	.0023129	.0004440	.0010248	.0004187	.000608	.0120263
%RSD	49.44938	20.02367	6.257462	142.9821	886.5087	1.742748
#1	.0073479	.0027259	.0165998	.0006770	-.000600	.7017857
#2	.0033337	.0020186	.0172720	.0003548	.000595	.6906880
#3	.0033501	.0019074	.0152591	-.000153	-.000201	.6777564

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0831890	.0006313	.0007718	13.34963	.0004845	.0023682
Stddev	.0001082	.0000940	.0000271	.01315	.0005415	.0000328
%RSD	.1300311	14.88329	3.507514	.0985203	111.7646	1.387109
#1	.0832107	.0006341	.0007562	13.34296	.0004428	.0023702
#2	.0832847	.0005360	.0008031	13.36478	-.000035	.0024000
#3	.0830716	.0007238	.0007562	13.34115	.001046	.0023344

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0116772	11.49306	.0979587	6.338500	.0141215	-.000611
Stddev	.0004392	.00449	.0004758	.017836	.0001744	.000105
%RSD	3.761029	.0390498	.4857278	.2813992	1.234681	17.18681
#1	.0121819	11.49452	.0984885	6.357730	.0143219	-.000729
#2	.0114683	11.49663	.0978196	6.335273	.0140386	-.000527
#3	.0113815	11.48802	.0975679	6.322497	.0140041	-.000578

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.86239	.0060406	.0774328	2.906544	F-58.6838	.0857069
Stddev	.03503	.0014584	.0015359	.042318	.4004	.0017917
%RSD	.2526880	24.14271	1.983461	1.455939	.6822452	2.090441
#1	13.90183	.0043802	.0764764	2.909669	-59.1444	.0865237
#2	13.85042	.0066275	.0792043	2.862751	-58.4877	.0869445
#3	13.83491	.0071141	.0766176	2.947213	-58.4193	.0836524

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4481-03 Acquired: 11/14/2011 15:49:36 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TC9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000339	696.9983	4.806327	-.004345	.0150190	1.568877
Stddev	.000079	5.1728	.015769	.000448	.0006590	.073715
%RSD	23.18849	.7421565	.3280979	10.31075	4.387428	4.698599
#1	-.000315	702.9709	4.824534	-.003941	.0143177	1.653429
#2	-.000426	694.0778	4.796941	-.004268	.0151139	1.535096
#3	-.000274	693.9463	4.797507	-.004827	.0156254	1.518107

Elem	Sr4077
Units	ppm
Avg	F 18.59482
Stddev	.03163
%RSD	.1700838
#1	18.59071
#2	18.62830
#3	18.56544

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	725.4246	8878.879	176814.0	36628.52	5968.364
Stddev	2.6318	77.330	472.1	51.28	41.768
%RSD	.3627975	.8709397	.2669810	.1399978	.6998257
#1	725.4496	8789.601	177358.6	36601.26	5920.997
#2	722.7804	8922.079	176562.3	36596.63	5984.184
#3	728.0439	8924.955	176521.1	36687.67	5999.911

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4481-04 Acquired: 11/14/2011 15:52:57 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TA2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000688	.0012103	.0002274	.0017657	-.000977	.0055422	.0022189
Stddev	.000694	.0003756	.0004309	.0022542	.001356	.0025903	.0002671
%RSD	100.8178	31.03308	189.4946	127.6662	138.8168	46.73852	12.03819
#1	-.000227	.0012854	.0004615	.0041546	-.002034	.0084104	.0023947
#2	-.000351	.0008028	-.000270	-.000324	-.001447	.0048428	.0023505
#3	-.001487	.0015427	.000491	.001466	.000552	.0033733	.0019115

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000119	.0000136	.4324184	.0001976	.0000593	.0050197	.0517211
Stddev	.0000172	.0000310	.0078705	.0005092	.0001185	.0014365	.0077189
%RSD	145.0162	227.1158	1.820110	257.6960	199.7980	28.61649	14.92401
#1	.0000314	-.000005	.4361836	-.000277	-.000063	.0061991	.0605694
#2	-.000001	.000049	.4233725	.000133	.000173	.0054401	.0482257
#3	.000005	-.000004	.4376990	.000736	.000068	.0034200	.0463683

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010681	.0558800	.0002023	-.000370	.2695100	.0006622	.0031310
Stddev	.0000460	.0048455	.0001483	.000097	.0392803	.0007691	.0016140
%RSD	4.310084	8.671326	73.31628	26.13946	14.57471	116.1340	51.54954
#1	.0010485	.0516017	.0003703	-.000437	.2589308	.0012781	.0017723
#2	.0011206	.0611418	.0000893	-.000412	.2366028	.0009084	.0049151
#3	.0010350	.0548964	.0001474	-.000259	.3129965	-.000200	.0027056

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.100383	-.027780	.0028633	-.000304	1.279582	.0490831	-.004482
Stddev	.031165	.047706	.0043631	.000082	.081625	.0040370	.000415
%RSD	31.04650	171.7282	152.3780	27.07059	6.378999	8.224713	9.250937
#1	-.067037	.018587	.0066381	-.000229	1.290710	.0529210	-.004900
#2	-.105338	-.076720	.0038656	-.000290	1.192965	.0448729	-.004474
#3	-.128774	-.025206	-.001914	-.000392	1.355072	.0494556	-.004071

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4481-04 Acquired: 11/14/2011 15:52:57 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TA2 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0024806	-.295864	.2526883
Stddev	.0005426	.299498	.0056931
%RSD	21.87252	101.2283	2.252996
#1	.0028649	-.231477	.2582467
#2	.0027170	-.033796	.2468695
#3	.0018600	-.622320	.2529486

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	738.2196	9098.706	181491.1	36862.68	6239.173
Stddev	1.3336	32.932	612.9	123.61	5.273
%RSD	.1806533	.3619457	.3377231	.3353206	.0845152
#1	739.4524	9074.877	180783.4	36746.58	6233.305
#2	736.8040	9136.285	181850.2	36848.82	6243.515
#3	738.4023	9084.956	181839.8	36992.63	6240.698

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4481-05 Acquired: 11/14/2011 15:56:21 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TC1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007359	.0017015	.0021476	.0035263	-.001071	.1030766
Stddev	.0006714	.0011440	.0012293	.0014095	.000227	.0006991
%RSD	91.24871	67.23462	57.24196	39.97044	21.16142	.6782529
#1	.0014661	.0028594	.0020070	.0021779	-.001272	.1028444
#2	.0001450	.0005720	.0034412	.0049897	-.000825	.1038622
#3	.0005965	.0016731	.0009946	.0034112	-.001115	.1025231

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0324172	.0000112	.0000575	17.84095	-.000633	-.000374
Stddev	.0004945	.0002536	.0000409	.00992	.000423	.000027
%RSD	1.525385	2268.353	71.22295	.0556102	66.84365	7.118274
#1	.0327040	-.000045	.0000336	17.82996	-.000986	-.000357
#2	.0327014	.000288	.0000341	17.84923	-.000751	-.000360
#3	.0318462	-.000209	.0001048	17.84367	-.000164	-.000405

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0084060	.4836677	.0500075	5.116554	.0015811	-.000569
Stddev	.0015298	.0045709	.0003998	.037954	.0002398	.000160
%RSD	18.19876	.9450385	.7995379	.7417859	15.16529	28.11847
#1	.0093591	.4832419	.0496471	5.103802	.0018347	-.000747
#2	.0092174	.4884365	.0499377	5.086619	.0013581	-.000523
#3	.0066415	.4793246	.0504376	5.159242	.0015505	-.000437

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.59580	.0017622	.0102429	1.858004	F-6.99744	.0282067
Stddev	.05983	.0007763	.0012259	.021527	.17979	.0015116
%RSD	.3605104	44.05205	11.96870	1.158616	2.569349	5.358839
#1	16.65436	.0023739	.0098158	1.881196	-7.20471	.0270912
#2	16.59827	.0020238	.0092876	1.854156	-6.88370	.0299270
#3	16.53478	.0008889	.0116252	1.838661	-6.90390	.0276019

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4481-05 Acquired: 11/14/2011 15:56:21 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TC1 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000005	433.2426	2.348479	-.004929	.0081146	.8208085
Stddev	.000076	.5104	.010499	.000635	.0004428	.2131418
%RSD	1462.160	.1178163	.4470665	12.88586	5.456424	25.96730
#1	-.000093	432.6613	2.358012	-.005311	.0083276	.6531578
#2	.000040	433.6175	2.337226	-.005280	.0084106	.7485911
#3	.000037	433.4490	2.350199	-.004196	.0076056	1.060677

Elem	Sr4077
Units	ppm
Avg	F 17.65433
Stddev	.14117
%RSD	.7996601
#1	17.69888
#2	17.76785
#3	17.49625

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	719.3691	8809.949	176680.4	36103.17	5946.941
Stddev	1.1660	23.269	3535.6	186.59	8.572
%RSD	.1620907	.2641203	2.001104	.5168316	.1441457
#1	720.7070	8836.816	173968.5	35991.64	5955.142
#2	718.8312	8796.350	175393.5	35999.30	5947.642
#3	718.5692	8796.679	180679.2	36318.59	5938.040

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4481-05LX5 Acquired: 11/14/2011 15:59:42 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TC1L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000487	.0014771	.0011872	.0016366	-.000991	.0197294	.0072164
Stddev	.001170	.0007101	.0005271	.0009046	.000785	.0033356	.0001640
%RSD	240.1051	48.07472	44.39610	55.27609	79.20071	16.90671	2.271966
#1	-.000723	.0013478	.0007731	.0009507	-.000115	.0169108	.0072904
#2	-.001521	.0022430	.0010080	.0012972	-.001229	.0188655	.0073303
#3	.000783	.0008405	.0017806	.0026618	-.001630	.0234120	.0070285

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000044	.0000590	3.592353	-.001634	-.000115	.0048798	.0937108
Stddev	.000106	.0000657	.007388	.000231	.000100	.0006991	.0028899
%RSD	239.8049	111.3284	.2056613	14.11838	86.55515	14.32711	3.083811
#1	.000038	.0001188	3.600268	-.001392	-.000147	.0046079	.0932538
#2	-.000007	.0000696	3.591152	-.001657	-.000003	.0056741	.0968020
#3	-.000164	-.000011	3.585639	-.001852	-.000195	.0043576	.0910767

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0103917	1.037283	.0004764	-.000252	3.332909	.0006657	.0025217
Stddev	.0001191	.009426	.0002923	.000061	.108801	.0013338	.0002105
%RSD	1.146137	.9087567	61.36517	24.05814	3.264443	200.3473	8.348164
#1	.0103273	1.026518	.0002085	-.000318	3.322248	.0014364	.0025338
#2	.0103187	1.041268	.0007882	-.000241	3.229832	-.000874	.0027259
#3	.0105292	1.044062	.0004325	-.000198	3.446649	.001435	.0023054

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2713901	F-1.21288	.0084412	-.000322	87.14554	.5073602	-.004066
Stddev	.0372899	.12919	.0012779	.000181	1.29172	.0066660	.000358
%RSD	13.74034	10.65161	15.13921	56.03346	1.482251	1.313862	8.806304
#1	.2339579	-1.27047	.0093576	-.000395	86.58044	.5149299	-.003665
#2	.3085361	-1.06490	.0089846	-.000455	86.23266	.5023669	-.004179
#3	.2716762	-1.30325	.0069814	-.000117	88.62350	.5047838	-.004354

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4481-05LX5 Acquired: 11/14/2011 15:59:42 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TC1L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0038938	-.205951	3.476469
Stddev	.0004260	.050022	.023894
%RSD	10.94004	24.28812	.6873016
#1	.0035590	-.195459	3.464166
#2	.0043733	-.162007	3.504007
#3	.0037492	-.260386	3.461234

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	738.3295	8997.240	179751.4	36808.70	6161.633
Stddev	2.7280	142.423	232.9	29.70	87.842
%RSD	.3694760	1.582962	.1295875	.0806871	1.425635
#1	738.5390	9034.864	179708.6	36798.47	6199.950
#2	740.9467	9117.073	180002.8	36785.46	6223.809
#3	735.5029	8839.782	179542.9	36842.16	6061.141

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4481-06 Acquired: 11/14/2011 16:03:04 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TC1D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000221	.0007703	.0035092	.0016146	-.001381	.1035311
Stddev	.000419	.0007299	.0008802	.0015236	.000945	.0017361
%RSD	189.2081	94.75390	25.08252	94.36459	68.40645	1.676931
#1	-.000682	.0005868	.0030957	.0008011	-.002453	.1051035
#2	-.000118	.0001497	.0029120	.0033724	-.000667	.1038218
#3	.000136	.0015745	.0045201	.0006705	-.001025	.1016679

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0326497	.0000814	.0000353	17.64859	-.000821	-.000166
Stddev	.0005444	.0000067	.0000923	.08938	.001263	.000238
%RSD	1.667464	8.294409	261.1916	.5064592	153.8385	143.3834
#1	.0328343	.0000881	.0001149	17.71766	.000416	.000109
#2	.0320370	.0000746	.0000571	17.54763	-.002108	-.000299
#3	.0330779	.0000814	-.000066	17.68047	-.000771	-.000308

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0076225	.4848017	.0502110	5.154380	.0014566	-.000537
Stddev	.0016101	.0043440	.0003108	.033949	.0001625	.000156
%RSD	21.12259	.8960454	.6189116	.6586376	11.15875	29.13461
#1	.0083362	.4819478	.0505651	5.192412	.0014320	-.000710
#2	.0057790	.4826563	.0499838	5.127137	.0016300	-.000405
#3	.0087524	.4898011	.0500840	5.143591	.0013077	-.000496

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.75723	.0007281	.0110666	1.868770	F-6.85897	.0299758
Stddev	.00977	.0019151	.0005833	.013115	.16132	.0012465
%RSD	.0583267	263.0276	5.271140	.7017837	2.351904	4.158495
#1	16.76693	.0026630	.0114661	1.880115	-6.82760	.0304634
#2	16.74738	-.001167	.0103972	1.871783	-6.71563	.0285591
#3	16.75737	.000688	.0113364	1.854410	-7.03366	.0309048

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4481-06 Acquired: 11/14/2011 16:03:04 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TC1D Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000958	437.5649	2.368662	-.004656	.0081019	.6166727
Stddev	.0001273	5.5118	.016403	.000602	.0010901	.2077735
%RSD	132.8821	1.259656	.6924822	12.92679	13.45474	33.69268
#1	-.000048	435.5781	2.385943	-.004888	.0087428	.5028948
#2	.000195	443.7946	2.353309	-.003973	.0068432	.4906388
#3	.000140	433.3219	2.366733	-.005108	.0087196	.8564846

Elem	Sr4077
Units	ppm
Avg	F 17.74216
Stddev	.10008
%RSD	.5640553
#1	17.76103
#2	17.63399
#3	17.83146

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	710.9656	8605.522	172508.4	35808.92	5854.417
Stddev	.6506	81.466	1274.8	105.65	58.439
%RSD	.0915025	.9466689	.7390067	.2950376	.9982087
#1	710.9312	8612.601	172300.9	35707.51	5877.295
#2	710.3329	8520.748	171350.0	35918.35	5787.999
#3	711.6327	8683.218	173874.3	35800.88	5897.955

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4481-07 Acquired: 11/14/2011 16:06:25 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TC1S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0355414	.0462141	.0197298	.0466816	.0858436	1.830520
Stddev	.0022308	.0001697	.0005950	.0016792	.0002996	.004487
%RSD	6.276499	.3671448	3.015927	3.597087	.3490243	.2451061
#1	.0343522	.0460317	.0199916	.0480511	.0857475	1.833269
#2	.0381148	.0463672	.0201491	.0448081	.0861795	1.825343
#3	.0341571	.0462433	.0190488	.0471854	.0856039	1.832949

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.947584	.0458146	.0428284	18.14584	.1797239	.4281666
Stddev	.006283	.0003892	.0002770	.05986	.0004107	.0022890
%RSD	.3225954	.8495218	.6468168	.3298652	.2284984	.5346094
#1	1.953295	.0462078	.0429515	18.19924	.1792618	.4289568
#2	1.948603	.0454295	.0430225	18.08114	.1798628	.4299558
#3	1.940854	.0458067	.0425111	18.15714	.1800470	.4255872

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2361934	1.393075	.5196790	5.187645	.4392671	.0431104
Stddev	.0006042	.010228	.0012941	.017609	.0021847	.0007873
%RSD	.2557984	.7342092	.2490241	.3394457	.4973514	1.826341
#1	.2355776	1.402802	.5209933	5.182063	.4400816	.0424500
#2	.2362173	1.382411	.5184061	5.173504	.4409275	.0428995
#3	.2367853	1.394012	.5196376	5.207369	.4367921	.0439817

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.83164	.4664417	.4492168	1.867407	F-7.01753	.0287189
Stddev	.19202	.0006623	.0027716	.021425	.15821	.0033600
%RSD	1.140813	.1419845	.6169877	1.147321	2.254455	11.69957
#1	17.05172	.4657989	.4474236	1.890309	-6.94417	.0272847
#2	16.69829	.4664045	.4524091	1.864059	-7.19910	.0325579
#3	16.74490	.4671219	.4478178	1.847853	-6.90932	.0263140

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4481-07 Acquired: 11/14/2011 16:06:25 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TC1S Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002146	440.5148	2.361085	-.004843	.0077698	.6186524
Stddev	.0000935	2.6824	.014862	.000378	.0003231	.0433252
%RSD	43.55059	.6089288	.6294752	7.800947	4.158515	7.003155
#1	.0003119	442.2661	2.375966	-.004876	.0080508	.5728585
#2	.0002066	441.8517	2.346241	-.005203	.0074168	.6241063
#3	.0001254	437.4267	2.361048	-.004450	.0078418	.6589924

Elem	Sr4077
Units	ppm
Avg	F 18.02665
Stddev	.10756
%RSD	.5966831
#1	18.14590
#2	17.99712
#3	17.93695

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	714.6697	8649.289	172520.5	36417.98	5837.595
Stddev	.4893	26.170	1839.8	164.13	22.430
%RSD	.0684586	.3025685	1.066427	.4506864	.3842382
#1	714.6387	8667.101	172464.9	36266.74	5842.261
#2	714.1967	8619.242	174387.4	36592.51	5813.199
#3	715.1738	8661.523	170709.0	36394.69	5857.325

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4481-08 Acquired: 11/14/2011 16:09:42 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TE9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001123	.0013290	.0036262	.0032057	-.001266	.0773719
Stddev	.0014313	.0007901	.0009792	.0018511	.000950	.0024861
%RSD	1274.233	59.45419	27.00377	57.74555	75.02970	3.213135
#1	.0006779	.0021141	.0031487	.0020494	-.002320	.0754969
#2	.0011745	.0013391	.0047525	.0022269	-.001000	.0801919
#3	-.001515	.0005339	.0029773	.0053407	-.000477	.0764270

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0378599	.0001917	.0000776	20.58011	-.000719	-.000139
Stddev	.0017244	.0000723	.0000516	.71852	.000794	.000205
%RSD	4.554805	37.71425	66.43110	3.491328	110.4899	147.5145
#1	.0366970	.0001198	.0000492	20.03780	-.001633	-.000038
#2	.0398411	.0001910	.0000466	21.39504	-.000320	-.000005
#3	.0370415	.0002645	.0001371	20.30748	-.000203	-.000376

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0102027	.4968094	.0698768	5.548184	.0018810	-.000254
Stddev	.0010772	.0159594	.0021759	.187158	.0003775	.000184
%RSD	10.55758	3.212377	3.113914	3.373326	20.07184	72.27603
#1	.0089606	.4885284	.0682392	5.418945	.0015343	-.000339
#2	.0108797	.5152072	.0723458	5.762808	.0018254	-.000043
#3	.0107678	.4866926	.0690452	5.462800	.0022832	-.000380

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.83483	.0021101	.0089139	1.895361	F-7.50996	.0295323
Stddev	.44160	.0018510	.0017605	.091514	.17782	.0016088
%RSD	2.623137	87.72051	19.74962	4.828305	2.367849	5.447708
#1	16.51794	.0042472	.0072037	1.822584	-7.33854	.0281757
#2	17.33924	.0010769	.0088174	1.998100	-7.69356	.0291115
#3	16.64731	.0010064	.0107207	1.865398	-7.49778	.0313097

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4481-08 Acquired: 11/14/2011 16:09:42 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TE9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000420	438.3751	2.370075	-.004410	.0070092	.6358071
Stddev	.0000824	3.0241	.079656	.000175	.0008869	.0109557
%RSD	196.3063	.6898349	3.360890	3.969020	12.65341	1.723117
#1	.0000966	439.3649	2.311790	-.004210	.0063575	.6231575
#2	-.000053	440.7801	2.460838	-.004482	.0080192	.6422673
#3	.000082	434.9801	2.337595	-.004536	.0066509	.6419965

Elem	Sr4077
Units	ppm
Avg	F 19.01408
Stddev	.71578
%RSD	3.764455
#1	18.52366
#2	19.83544
#3	18.68314

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	714.4724	8632.518	173772.7	36499.91	5820.753
Stddev	18.6421	26.995	311.4	1044.25	22.805
%RSD	2.609211	.3127147	.1792202	2.860969	.3917949
#1	727.9617	8613.427	173802.4	37363.18	5815.696
#2	693.2000	8620.725	173447.6	35339.21	5800.901
#3	722.2555	8663.404	174068.3	36797.33	5845.663

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4481-09 Acquired: 11/14/2011 16:13:03 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TF1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000187	.0015654	.0019403	.0006447	-.001057	.1117903
Stddev	.001985	.0010626	.0005826	.0021367	.001118	.0016296
%RSD	1062.529	67.88415	30.02400	331.4351	105.7912	1.457743
#1	.001872	.0026956	.0017327	.0030671	.000084	.1126925
#2	-.002089	.0005865	.0014901	-.000972	-.002150	.1099091
#3	-.000343	.0014140	.0025983	-.000161	-.001105	.1127692

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0329089	.0000301	.0000522	17.91515	-.000737	-.000255
Stddev	.0001858	.0001539	.0000623	.04769	.001338	.000095
%RSD	.5646974	511.3834	119.2157	.2662191	181.4508	37.09553
#1	.0331235	.0000609	.0001008	17.86374	-.002264	-.000157
#2	.0328000	.0001662	-.000018	17.92377	-.000179	-.000263
#3	.0328033	-.000137	.000074	17.95795	.000231	-.000345

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0103585	.4276109	.0466183	5.210847	.0014793	-.000141
Stddev	.0007775	.0022053	.0007173	.009913	.0000813	.000137
%RSD	7.505550	.5157211	1.538609	.1902293	5.494886	97.26043
#1	.0112454	.4262909	.0459517	5.207655	.0015604	-.000123
#2	.0100356	.4263850	.0465258	5.221962	.0013979	-.000286
#3	.0097945	.4301567	.0473773	5.202924	.0014797	-.000014

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.65864	.0009852	.0078622	1.853370	F-6.95368	.0275084
Stddev	.05327	.0010237	.0007300	.016240	.02889	.0024348
%RSD	.3197824	103.9098	9.285328	.8762461	.4154604	8.850951
#1	16.66215	.0014177	.0075064	1.855895	-6.97437	.0259154
#2	16.71006	-.000184	.0087020	1.836016	-6.92067	.0262988
#3	16.60369	.001722	.0073784	1.868200	-6.96599	.0303111

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4481-09 Acquired: 11/14/2011 16:13:03 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TF1 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000084	436.5750	2.360347	-.004899	.0087409	.5666147
Stddev	.000127	2.3722	.014673	.000751	.0001650	.2800531
%RSD	151.6500	.5433732	.6216651	15.33970	1.887140	49.42567
#1	-.000227	439.1485	2.352630	-.004869	.0087423	.8373108
#2	-.000042	434.4757	2.351143	-.005665	.0085753	.5844738
#3	.000017	436.1008	2.377269	-.004163	.0089052	.2780595

Elem	Sr4077
Units	ppm
Avg	F 17.58525
Stddev	.05882
%RSD	.3345090
#1	17.62545
#2	17.61255
#3	17.51773

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	712.7310	8677.175	173014.5	36422.67	5869.191
Stddev	2.4146	25.477	568.9	43.18	14.884
%RSD	.3387793	.2936038	.3287891	.1185532	.2535922
#1	713.4523	8656.335	173435.6	36457.42	5852.369
#2	714.7026	8705.576	172367.4	36436.27	5880.650
#3	710.0379	8669.615	173240.5	36374.33	5874.555

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4481-10 Acquired: 11/14/2011 16:16:26 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TG3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000830	.0014601	.0025012	.0010557	-.000484	.1043782
Stddev	.001346	.0012988	.0004999	.0008070	.000906	.0026236
%RSD	162.1127	88.94951	19.98515	76.44546	187.4719	2.513562
#1	-.000470	.0021815	.0028967	.0001505	-.001431	.1071363
#2	-.002319	.0022381	.0019394	.0013164	-.000395	.1019138
#3	.000299	-.000039	.0026676	.0017001	.000375	.1040847

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0329699	-.000072	.0000112	17.87307	-.000365	-.000305
Stddev	.0009754	.000066	.0000253	.55890	.001479	.000172
%RSD	2.958374	92.20528	224.7084	3.127059	405.5356	56.44792
#1	.0340915	-.000146	-.000017	18.51472	.000832	-.000341
#2	.0323207	-.000018	.000030	17.61219	-.002018	-.000457
#3	.0324975	-.000051	.000021	17.49232	.000092	-.000118

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0097360	.4681690	.0507536	5.276692	.0016328	-.000180
Stddev	.0013710	.0113511	.0014513	.195421	.0004946	.000096
%RSD	14.08213	2.424567	2.859519	3.703477	30.29011	53.44581
#1	.0094759	.4812757	.0524012	5.500120	.0018336	-.000228
#2	.0085136	.4617081	.0496645	5.192348	.0010694	-.000069
#3	.0112184	.4615233	.0501951	5.137607	.0019954	-.000244

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.90657	.0019581	.0098128	1.848588	F-6.79974	.0277655
Stddev	.55035	.0012095	.0004409	.070096	.02701	.0015571
%RSD	3.255245	61.77032	4.493237	3.791868	.3972214	5.608052
#1	17.52483	.0033495	.0103217	1.929507	-6.78207	.0283619
#2	16.72476	.0013669	.0095723	1.806504	-6.78631	.0259983
#3	16.47013	.0011578	.0095445	1.809754	-6.83083	.0289362

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4481-10 Acquired: 11/14/2011 16:16:26 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TG3 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000030	431.3925	2.409960	-.003962	.0078017	.6619764
Stddev	.000259	1.1100	.080641	.000384	.0006388	.1006707
%RSD	876.1253	.2573003	3.346164	9.692395	8.187371	15.20759
#1	-.000251	431.9425	2.501321	-.003796	.0071723	.7415042
#2	.000255	432.1200	2.379863	-.003689	.0077835	.5487885
#3	-.000093	430.1149	2.348696	-.004401	.0084494	.6956365

Elem	Sr4077
Units	ppm
Avg	F 17.76969
Stddev	.43106
%RSD	2.425792
#1	18.25576
#2	17.61942
#3	17.43388

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	697.3055	8656.511	174252.0	35700.33	5883.633
Stddev	17.8618	40.253	579.2	875.35	21.315
%RSD	2.561540	.4650002	.3324026	2.451930	.3622797
#1	677.2288	8612.169	174221.0	34689.72	5863.183
#2	711.4348	8666.612	174846.1	36190.39	5881.997
#3	703.2528	8690.751	173688.9	36220.87	5905.719

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4481-11 Acquired: 11/14/2011 16:19:48 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TB9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001358	.0008561	.0061924	.0018654	-.000846	.1566581
Stddev	.001135	.0009497	.0005139	.0005405	.001091	.0102473
%RSD	83.55220	110.9281	8.298506	28.97506	128.9375	6.541189
#1	-.002165	-.000190	.0057130	.0012413	.000196	.1472532
#2	-.001848	.001664	.0067349	.0021717	-.001980	.1675789
#3	-.000061	.001094	.0061294	.0021832	-.000754	.1551424

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0379507	.0000670	.0000558	19.71092	-.000573	-.000258
Stddev	.0025848	.0001302	.0000382	1.05983	.001533	.000070
%RSD	6.810911	194.3860	68.45171	5.376857	267.6037	27.31631
#1	.0363508	.0000236	.0000742	19.10068	.001050	-.000226
#2	.0409327	.0002134	.0000119	20.93471	-.000772	-.000209
#3	.0365686	-.000036	.0000812	19.09739	-.001997	-.000339

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0074251	.6864609	.0753808	5.425472	.0021955	-.000464
Stddev	.0013200	.0311257	.0041063	.302956	.0001924	.000223
%RSD	17.77687	4.534229	5.447402	5.583965	8.762839	48.05261
#1	.0059017	.6677610	.0729090	5.234074	.0023902	-.000209
#2	.0082282	.7223918	.0801208	5.774761	.0021907	-.000559
#3	.0081454	.6692300	.0731125	5.267582	.0020055	-.000623

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	17.26514	.0002921	.0146305	1.953060	F-8.56240	.0279026
Stddev	.92363	.0011634	.0013650	.112038	.20220	.0017850
%RSD	5.349706	398.3345	9.329749	5.736558	2.361487	6.397076
#1	16.76341	-.000172	.0160083	1.882459	-8.77301	.0260898
#2	18.33105	-.000568	.0146046	2.082245	-8.36981	.0296584
#3	16.70095	.001616	.0132787	1.894477	-8.54438	.0279596

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4481-11 Acquired: 11/14/2011 16:19:48 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TB9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000262	438.3274	2.501387	-.004922	.0096151	.7895454
Stddev	.0001433	.7262	.132954	.000789	.0004210	.1251247
%RSD	546.2466	.1656791	5.315217	16.02305	4.378552	15.84769
#1	-.000117	438.1736	2.431650	-.004478	.0091625	.8701272
#2	.000027	437.6905	2.654701	-.004455	.0096877	.8531108
#3	.000169	439.1182	2.417810	-.005832	.0099950	.6453983

Elem	Sr4077
Units	ppm
Avg	F 18.76229
Stddev	1.01303
%RSD	5.399263
#1	18.19580
#2	19.93184
#3	18.15922

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	690.7023	8619.369	173312.3	35453.66	5862.632
Stddev	27.4376	15.796	513.6	1615.02	7.107
%RSD	3.972425	.1832580	.2963393	4.555309	.1212289
#1	703.3805	8604.163	173840.1	36409.27	5860.690
#2	659.2182	8618.249	173282.6	33588.99	5870.508
#3	709.5081	8635.694	172814.3	36362.72	5856.697

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4481-12 Acquired: 11/14/2011 16:23:11 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TA3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001510	.0018943	.0006735	.0009397	-.001035	.0020529	.0016817
Stddev	.001621	.0003994	.0005348	.0004735	.000639	.0015794	.0001462
%RSD	107.3625	21.08584	79.40202	50.39431	61.75233	76.93592	8.691282
#1	-.003327	.0023417	.0012888	.0011901	-.001700	.0029044	.0018252
#2	-.000989	.0017677	.0004110	.0003935	-.000426	.0030238	.0016870
#3	-.000213	.0015735	.0003207	.0012354	-.000977	.0002304	.0015330

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001003	-.000019	.6651096	-.001019	-.000035	.0029173	.0055528
Stddev	.0000781	.000085	.0113922	.000096	.000178	.0014115	.0016037
%RSD	77.90385	435.8848	1.712827	9.395658	508.9366	48.38475	28.88042
#1	.0000182	-.000114	.6760013	-.000917	.000170	.0045470	.0067773
#2	.0001088	.000009	.6532755	-.001108	-.000128	.0020782	.0037376
#3	.0001738	.000048	.6660521	-.001032	-.000147	.0021268	.0061437

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007258	.0727541	.0001711	-.000169	.5555786	.0007253	.0024159
Stddev	.0000247	.0115541	.0000521	.000138	.0843916	.0016262	.0006367
%RSD	3.404267	15.88101	30.46655	81.29381	15.18986	224.2009	26.35281
#1	.0007399	.0691569	.0002293	-.000290	.5864502	.0014877	.0019566
#2	.0007403	.0634265	.0001287	-.000199	.4600981	-.001142	.0021485
#3	.0006973	.0856789	.0001553	-.000019	.6201875	.001830	.0031427

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.116116	-.002269	.0027756	-.000463	2.274583	.0446309	-.004115
Stddev	.022674	.049194	.0011906	.000067	.195103	.0079371	.001036
%RSD	19.52729	2168.410	42.89701	14.55244	8.577522	17.78381	25.17434
#1	-.113722	-.025570	.0040532	-.000397	2.495463	.0532486	-.005217
#2	-.094734	.054247	.0016970	-.000459	2.125745	.0376204	-.003968
#3	-.139893	-.035482	.0025765	-.000532	2.202542	.0430238	-.003161

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4481-12 Acquired: 11/14/2011 16:23:11 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TA3 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0018669	-.249996	.3551249
Stddev	.0002572	.126107	.0078245
%RSD	13.77688	50.44377	2.203320
#1	.0021516	-.134248	.3566296
#2	.0017980	-.384387	.3466573
#3	.0016512	-.231353	.3620878

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	728.1543	8981.634	180710.1	37100.86	6200.749
Stddev	10.1677	39.524	189.1	137.28	25.690
%RSD	1.396362	.4400498	.1046541	.3700275	.4143125
#1	729.2539	8956.948	180924.9	36965.02	6184.121
#2	737.7274	8960.735	180636.8	37239.54	6187.789
#3	717.4815	9027.220	180568.5	37098.03	6230.339

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4481-13 Acquired: 11/14/2011 16:26:37 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TA4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000994	.0003143	.0007142	-.000226	-.001203	.0115420	.0038320
Stddev	.000795	.0004050	.0007407	.000893	.000384	.0006770	.0006793
%RSD	79.95268	128.8591	103.7131	394.8647	31.88640	5.865373	17.72586
#1	-.001449	.0006605	.0014479	.000369	-.001631	.0115922	.0032757
#2	-.001458	.0004135	.0007283	-.001253	-.001090	.0121925	.0045890
#3	-.000076	-.000131	-.000033	.000205	-.000889	.0108414	.0036313

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001738	-.000011	1.597826	-.000325	.0000818	.0052213	.0221194
Stddev	.0001312	.000035	.057190	.000636	.0001442	.0005462	.0019014
%RSD	75.46213	318.7764	3.579244	195.7048	176.1396	10.46126	8.596105
#1	.0002584	-.000005	1.581067	.000409	.0000181	.0053478	.0226261
#2	.0000227	-.000048	1.661523	-.000692	-.000019	.0056932	.0200160
#3	.0002404	.000021	1.550887	-.000692	.000247	.0046230	.0237161

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006984	.0639237	.0003297	-.000296	.7517655	.0006257	.0036021
Stddev	.0002593	.0139781	.0000204	.000397	.0217060	.0026776	.0001946
%RSD	37.13112	21.86688	6.181154	134.0040	2.887336	427.9321	5.402078
#1	.0005438	.0586716	.0003455	-.000345	.7316473	.0008310	.0034316
#2	.0009977	.0797672	.0003067	-.000666	.7747704	-.002149	.0035606
#3	.0005536	.0533324	.0003368	.000123	.7488788	.003195	.0038140

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.110419	-.485723	.0039911	-.000342	2.755262	.0306026	-.002912
Stddev	.019602	.131533	.0007856	.000073	.128206	.0061940	.000416
%RSD	17.75231	27.07991	19.68263	21.24855	4.653140	20.24008	14.29721
#1	-.087793	-.386390	.0032527	-.000287	2.777146	.0377353	-.002890
#2	-.121195	-.435887	.0048166	-.000425	2.617522	.0265797	-.003339
#3	-.122269	-.634892	.0039042	-.000316	2.871117	.0274928	-.002507

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4481-13 Acquired: 11/14/2011 16:26:37 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TA4 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0033230	-.426456	.5686270
Stddev	.0007302	.153383	.0250791
%RSD	21.97433	35.96690	4.410465
#1	.0031240	-.603209	.5465758
#2	.0027130	-.328325	.5959089
#3	.0041321	-.347835	.5633963

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	714.6410	8939.759	179954.1	36280.08	6184.668
Stddev	18.1703	30.540	754.0	1042.66	12.277
%RSD	2.542576	.3416194	.4190076	2.873925	.1985108
#1	726.5188	8907.125	179791.4	37023.21	6171.891
#2	693.7238	8967.650	180776.1	35088.17	6196.375
#3	723.6803	8944.501	179294.6	36728.85	6185.738

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4481-14 Acquired: 11/14/2011 16:30:04 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TA0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000317	.0020356	.0005452	.0014926	-.001241	.0034742	.0035898
Stddev	.001938	.0006369	.0006537	.0009547	.000287	.0030889	.0003317
%RSD	611.1772	31.28677	119.9015	63.96213	23.12976	88.91035	9.240927
#1	.000778	.0013036	.0000333	.0006535	-.001020	.0066250	.0036678
#2	-.002554	.0023406	.0003208	.0025313	-.001138	.0033462	.0038757
#3	.000825	.0024625	.0012815	.0012930	-.001565	.0004512	.0032261

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000002	.0000231	1.027132	-.000302	-.000009	.0059387	.0213905
Stddev	.000140	.0000272	.008351	.000725	.000067	.0014701	.0014869
%RSD	6867.894	117.7291	.8130228	240.3509	783.9357	24.75538	6.951339
#1	.000123	-.000005	1.030613	-.000730	.000049	.0055255	.0215250
#2	-.000154	.000050	1.033178	.000535	-.000082	.0075712	.0198408
#3	.000025	.000024	1.017603	-.000711	.000007	.0047193	.0228055

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009065	.0938538	.0003450	-.000273	.4011578	.0006931	.0026102
Stddev	.0001087	.0068765	.0001873	.000146	.0275981	.0002521	.0007832
%RSD	11.98704	7.326841	54.28446	53.53206	6.879617	36.37238	30.00476
#1	.0009791	.0914232	.0005541	-.000235	.3695183	.0008766	.0035108
#2	.0009588	.1016155	.0002879	-.000435	.4202730	.0007970	.0022305
#3	.0007816	.0885226	.0001929	-.000150	.4136823	.0004057	.0020892

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.147959	-.078001	-.000139	-.000474	1.203119	.0405094	-.004609
Stddev	.004326	.056728	.002057	.000179	.137870	.0042495	.000145
%RSD	2.923550	72.72765	1478.544	37.71226	11.45942	10.49015	3.147607
#1	-.151430	-.129978	.001673	-.000634	1.156258	.0440850	-.004733
#2	-.149333	-.017488	.000285	-.000281	1.094787	.0416317	-.004645
#3	-.143113	-.086537	-.002375	-.000506	1.358312	.0358114	-.004450

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4481-14 Acquired: 11/14/2011 16:30:04 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9TA0 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0037546	-.261978	.6059819
Stddev	.0008561	.197033	.0101084
%RSD	22.80050	75.20957	1.668099
#1	.0037833	-.398800	.6072665
#2	.0045960	-.036145	.6153865
#3	.0028846	-.350990	.5952926

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	718.0897	8738.343	178266.5	36714.16	6057.549
Stddev	4.8229	160.314	270.9	262.77	124.519
%RSD	.6716354	1.834601	.1519839	.7157176	2.055606
#1	715.2224	8832.603	178554.0	36648.40	6134.903
#2	715.3888	8553.239	178015.9	36490.51	5913.908
#3	723.6580	8829.188	178229.8	37003.56	6123.836

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: CCV Acquired: 11/14/2011 16:33:30 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV25 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.777578	4.822430	23.67693	4.777451	4.829486	149.7735
Stddev	.091632	.086019	.42898	.072256	.077430	.6235
%RSD	1.917959	1.783734	1.811816	1.512447	1.603283	.4163207
#1	4.730827	4.775561	23.41803	4.742876	4.788413	150.0328
#2	4.718752	4.770024	23.44065	4.728979	4.781246	150.2255
#3	4.883156	4.921705	24.17210	4.860499	4.918799	149.0621

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.956783	.4742561	2.369852	242.8928	14.81077	2.386010
Stddev	.071371	.0006302	.045417	1.0446	.09053	.042507
%RSD	.7168086	.1328896	1.916463	.4300790	.6112358	1.781503
#1	9.879348	.4737772	2.342120	241.8386	14.71433	2.362071
#2	10.01993	.4749701	2.345169	243.9275	14.82409	2.360871
#3	9.97108	.4740210	2.422266	242.9123	14.89391	2.435088

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.87134	142.4826	14.45438	230.2969	2.400066	1.187043
Stddev	.07107	.4789	.06147	1.2408	.045565	.001993
%RSD	.4778987	.3361153	.4252885	.5388006	1.898486	.1678963
#1	14.94208	142.4671	14.40166	228.8890	2.374106	1.185970
#2	14.87199	142.9690	14.52190	231.2311	2.373413	1.185817
#3	14.79995	142.0116	14.43957	230.7706	2.452678	1.189343

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	146.5528	2.426612	13.88235	143.6495	F-185.924	4.906585
Stddev	.8282	.009024	.07870	.5035	3.051	.011328
%RSD	.5651351	.3718724	.5669016	.3505140	1.641177	.2308708
#1	146.8279	2.420290	13.87548	144.0340	-184.931	4.895919
#2	147.2085	2.436947	13.96426	143.8349	-183.493	4.918476
#3	145.6221	2.422600	13.80731	143.0795	-189.348	4.905360

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: CCV Acquired: 11/14/2011 16:33:30 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV25 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.997066	216.8741	5.081153	4.873555	4.936069	F831.9777
Stddev	.083644	4.5831	.021094	.085206	.011592	5.9323
%RSD	1.673858	2.113246	.4151380	1.748339	.2348445	.7130332
#1	4.951397	215.9379	5.069170	4.825203	4.937220	837.3595
#2	4.946198	212.8313	5.105509	4.823524	4.947042	832.9570
#3	5.093602	221.8529	5.068781	4.971938	4.923944	825.6168

Elem	Sr4077
Units	ppm
Avg	F466.3894
Stddev	3.1293
%RSD	.6709662
#1	469.7185
#2	465.9416
#3	463.5081

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	637.3621	7634.107	153447.4	33786.13	4591.157
Stddev	8.5253	93.497	163.8	231.10	59.354
%RSD	1.337593	1.224732	.1067272	.6840031	1.292798
#1	630.1750	7673.412	153258.4	33599.89	4621.232
#2	635.1297	7701.536	153537.3	33713.73	4629.455
#3	646.7814	7527.374	153546.5	34044.75	4522.786

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: CCB Acquired: 11/14/2011 16:36:48 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB25 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002630	.0028906	.0005351	.0030079	.0007954	.0087656
Stddev	.001024	.0008555	.0008072	.0019494	.0009981	.0090355
%RSD	38.92229	29.59566	150.8366	64.80989	125.4782	103.0786
#1	-.002779	.0038691	.0006993	.0010620	-.000245	.0165759
#2	-.003571	.0025183	.0012476	.0030008	.000887	.0108513
#3	-.001540	.0022843	-.000342	.0049608	.001745	-.001130

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009217	.0000774	-.000026	-.000887	.0006965	.0000350
Stddev	.0002104	.0000694	.000073	.005263	.0012874	.0001025
%RSD	22.82225	89.63767	285.9136	593.0304	184.8285	292.4748
#1	.0011645	.0000915	.000059	-.006836	.0021779	.0000396
#2	.0008085	.0001387	-.000065	.003162	-.000151	-.000070
#3	.0007922	.0000021	-.000070	.001012	.000063	.000135

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0056675	.0162760	.0003225	.0000115	-.000118	-.000367
Stddev	.0013852	.0216829	.0000795	.0089870	.000183	.000134
%RSD	24.44177	133.2201	24.65104	78300.57	154.8641	36.38825
#1	.0045625	.0412287	.0003037	-.006624	.000018	-.000214
#2	.0072216	.0055796	.0004097	.010239	-.000046	-.000460
#3	.0052185	.0020196	.0002541	-.003581	-.000325	-.000428

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0048761	.0008821	.0004823	.1544469	-.011200	.0128285
Stddev	.0259028	.0010133	.0017828	.0208788	.194272	.0048077
%RSD	531.2207	114.8681	369.6490	13.51841	1734.585	37.47709
#1	.0028004	.0017617	.0001402	.1778935	.025104	.0183244
#2	-.019926	.0011105	.0024114	.1475834	-.221063	.0107592
#3	.031754	-.000226	-.001105	.1378639	.162360	.0094018

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: CCB Acquired: 11/14/2011 16:36:48 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB25 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0045484	.2349405	-.023343	.0001778	.0033459	F.3319266
Stddev	.0013542	.1886550	.003282	.0004153	.0013028	.0465496
%RSD	29.77259	80.29905	14.05849	233.5517	38.93709	14.02405
#1	.0060361	.4513112	-.020109	.0005200	.0047331	.3827517
#2	.0042215	.1486304	-.026670	-.000284	.0021483	.2913658
#3	.0033876	.1048800	-.023250	.000298	.0031563	.3216623

Elem	Sr4077
Units	ppm
Avg	F-.035891
Stddev	.000899
%RSD	2.505933
#1	-.035811
#2	-.036827
#3	-.035034

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	695.2076	8927.508	175463.4	35023.14	6058.359
Stddev	9.8573	44.324	1608.4	210.79	40.476
%RSD	1.417898	.4964934	.9166440	.6018571	.6680999
#1	686.8629	8877.189	173608.4	34780.07	6012.246
#2	692.6761	8944.564	176468.7	35133.80	6074.822
#3	706.0838	8960.771	176313.0	35155.56	6088.010

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: PB59137BL Acquired: 11/14/2011 16:40:12 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: PBS01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001966	-.001436	-.000190	.0027932	.0005207	-.000355
Stddev	.000502	.000883	.001651	.0011490	.0004236	.001382
%RSD	25.53401	61.47242	868.9685	41.13759	81.35530	388.9529
#1	-.001492	-.001111	-.000845	.0032546	.0009112	-.001950
#2	-.002492	-.000762	-.001414	.0036398	.0005807	.000477
#3	-.001913	-.002435	.001688	.0014851	.0000703	.000407

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009723	-.000083	.0000151	-.005620	-.000828	-.000033
Stddev	.0002121	.000205	.0000694	.003730	.000191	.000061
%RSD	21.81888	247.7309	458.2976	66.36921	23.06281	186.3140
#1	.0009419	.000077	-.000065	-.003731	-.000984	.000038
#2	.0011979	-.000315	.000049	-.009916	-.000884	-.000063
#3	.0007769	-.000012	.000061	-.003212	-.000615	-.000074

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0044785	-.001742	.0001632	-.003951	.0000232	-.000497
Stddev	.0010170	.000967	.0001693	.011248	.0000575	.000325
%RSD	22.70722	55.49549	103.7210	284.7287	248.3555	65.45428
#1	.0043658	-.002694	.0003483	.009038	.0000507	-.000601
#2	.0035227	-.000761	.0001250	-.010476	.0000618	-.000132
#3	.0055471	-.001771	.0000163	-.010413	-.000043	-.000757

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.067925	.0004987	.0003620	.0933642	.0971153	.0034968
Stddev	.018315	.0005425	.0012634	.0118461	.0955367	.0008188
%RSD	26.96388	108.7789	348.9668	12.68801	98.37458	23.41603
#1	-.072183	.0000623	.0012919	.0796889	-.012334	.0038902
#2	-.083737	.0011060	.0008705	.0999400	.139889	.0040446
#3	-.047856	.0003277	-.001076	.1004637	.163792	.0025555

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: PB59137BL Acquired: 11/14/2011 16:40:12 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: PBS01 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009232	-.095185	-.023766	.0000042	.0038371	F.3929931
Stddev	.0001083	.062314	.006504	.0007424	.0001322	.2085830
%RSD	11.72661	65.46687	27.36890	17720.33	3.446001	53.07548
#1	.0008082	-.073336	-.016419	.0002021	.0036930	.6332113
#2	.0009384	-.046737	-.028789	.0006276	.0038656	.2577758
#3	.0010231	-.165481	-.026090	-.000817	.0039528	.2879922

Elem	Sr4077
Units	ppm
Avg	F-.024065
Stddev	.001410
%RSD	5.860442
#1	-.023158
#2	-.023347
#3	-.025690

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	710.3223	8865.698	176563.8	34939.52	6021.554
Stddev	7.1639	174.626	816.1	201.66	126.279
%RSD	1.008537	1.969685	.4621961	.5771822	2.097118
#1	704.6772	8920.584	175668.5	34729.58	6070.549
#2	707.9084	8670.222	177265.9	34957.23	5878.119
#3	718.3813	9006.288	176757.0	35131.74	6115.993

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: PB59137BS Acquired: 11/14/2011 16:43:36 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: LCS01 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0169654	.0516134	.0204707	.0662238	.1094958	.3777357	.4132467
Stddev	.0011770	.0010185	.0010733	.0005127	.0008812	.0066908	.0036365
%RSD	6.937789	1.973346	5.243130	.7741377	.8047564	1.771306	.8799861
#1	.0183168	.0507498	.0193015	.0661749	.1085317	.3802228	.4159332
#2	.0161650	.0513537	.0214112	.0667591	.1096962	.3828269	.4146984
#3	.0164142	.0527365	.0206994	.0657373	.1102595	.3701575	.4091086

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0098258	.0095096	10.00943	.0187525	.0868121	.0546990	.2081025
Stddev	.0000732	.0000703	.05829	.0015356	.0000941	.0006249	.0011424
%RSD	.7445627	.7393440	.5823189	8.188562	.1083940	1.142356	.5489564
#1	.0098104	.0095562	10.03576	.0170359	.0867050	.0553871	.2090952
#2	.0099054	.0095439	10.04991	.0192261	.0868817	.0545431	.2083585
#3	.0097616	.0094287	9.94263	.0199954	.0868495	.0541669	.2068538

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0325681	9.043871	.0765728	.0191665	9.800480	.0940073	.1130631
Stddev	.0003706	.042842	.0000245	.0001987	.071458	.0012255	.0029801
%RSD	1.137861	.4737115	.0319569	1.036621	.7291249	1.303577	2.635814
#1	.0329288	9.085964	.0765905	.0192648	9.868137	.0930659	.1108004
#2	.0325869	9.045331	.0765449	.0189378	9.807554	.0935631	.1164397
#3	.0321884	9.000318	.0765830	.0192968	9.725748	.0953929	.1119491

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.298368	.2020244	.0038403	-.000130	-.098361	.0307832	-.000374
Stddev	.044201	.1001384	.0017004	.000098	.188908	.0076245	.000516
%RSD	.4753601	49.56747	44.27720	75.77260	192.0567	24.76847	138.0779
#1	9.323607	.1115588	.0057245	-.000217	-.276716	.0395788	-.000254
#2	9.324168	.1848900	.0024200	-.000150	-.117940	.0267191	-.000940
#3	9.247331	.3096245	.0033765	-.000023	.099575	.0260517	.000072

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: PB59137BS Acquired: 11/14/2011 16:43:36 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: LCS01 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0039462	.2089803	.1916837
Stddev	.0002936	.0712320	.0038029
%RSD	7.441099	34.08550	1.983934
#1	.0042837	.1670060	.1921588
#2	.0038058	.2912261	.1876656
#3	.0037491	.1687090	.1952268

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	722.5378	8933.142	175165.1	35305.95	5928.742
Stddev	4.0956	25.216	486.3	367.57	6.519
%RSD	.5668410	.2822767	.2776410	1.041087	.1099534
#1	717.8129	8959.138	175370.9	34939.95	5933.992
#2	724.7256	8931.504	175514.7	35302.83	5930.789
#3	725.0750	8908.786	174609.7	35675.07	5921.446

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-01 Acquired: 11/14/2011 16:46:59 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R59 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1712239	-.004648	.8457278	.0036080	.0087288	83.49752
Stddev	.0022921	.001913	.0029216	.0021310	.0006260	.21204
%RSD	1.338637	41.16293	.3454478	59.06380	7.171537	.2539418
#1	.1734511	-.004187	.8427357	.0054257	.0088854	83.31981
#2	.1713487	-.003007	.8458745	.0012627	.0080394	83.73223
#3	.1688720	-.006749	.8485733	.0041357	.0092616	83.44053

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9555999	.0089841	.0280537	12.88419	.5119715	.0890840
Stddev	.0020639	.0000366	.0000790	.04006	.0070202	.0002487
%RSD	.2159820	.4072713	.2815429	.3108968	1.371211	.2791258
#1	.9540665	.0090132	.0281394	12.85031	.5088001	.0893260
#2	.9579466	.0089961	.0279838	12.92840	.5200178	.0890969
#3	.9547867	.0089430	.0280379	12.87386	.5070965	.0888292

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4639269	172.4219	2.343437	22.61163	.1848051	.0014370
Stddev	.0009350	.4274	.006106	.09396	.0004775	.0001584
%RSD	.2015481	.2478894	.2605492	.4155419	.2583903	11.02269
#1	.4629083	171.9324	2.336550	22.52908	.1853289	.0016001
#2	.4647463	172.7212	2.348187	22.71388	.1846923	.0014272
#3	.4641259	172.6121	2.345574	22.59194	.1843941	.0012838

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.721504	.2471525	2.962560	7.191337	F-488.078	.0569672
Stddev	.015475	.0015648	.007833	.028124	1.785	.0013653
%RSD	.8989048	.6331432	.2643873	.3910759	.3656663	2.396622
#1	1.728377	.2486202	2.954542	7.169995	-490.131	.0584785
#2	1.732351	.2473312	2.970193	7.180810	-487.198	.0566001
#3	1.703783	.2455059	2.962946	7.223205	-486.903	.0558230

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-01 Acquired: 11/14/2011 16:46:59 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R59 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049097	1197.013	2.633603	.0441736	2.784502	54.62090
Stddev	.0005553	.585	.006239	.0005702	.008756	.26392
%RSD	11.31025	.0488920	.2369040	1.290726	.3144707	.4831934
#1	.0046260	1196.546	2.627677	.0439709	2.776033	54.52133
#2	.0045536	1196.824	2.640114	.0448175	2.793520	54.92013
#3	.0055495	1197.670	2.633018	.0437326	2.783953	54.42125

Elem	Sr4077
Units	ppm
Avg	F23.03239
Stddev	.06007
%RSD	.2608246
#1	22.96776
#2	23.08652
#3	23.04289

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	728.8762	8722.938	172660.3	36748.33	5555.207
Stddev	.9687	53.140	1704.9	106.59	24.387
%RSD	.1329026	.6092009	.9874076	.2900634	.4390009
#1	727.9119	8665.272	173007.9	36643.64	5528.097
#2	729.8492	8733.606	170808.4	36744.62	5562.164
#3	728.8676	8769.934	174164.5	36856.73	5575.360

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-02 Acquired: 11/14/2011 16:50:14 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R60 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0252349	-.005565	.0788017	-.003095	.0049666	96.77379
Stddev	.0038439	.001294	.0018828	.002955	.0009122	.43954
%RSD	15.23252	23.24891	2.389297	95.49251	18.36717	.4541913
#1	.0246267	-.004861	.0772041	-.001653	.0052957	97.05355
#2	.0217314	-.004776	.0808775	-.006495	.0056686	96.26717
#3	.0293467	-.007058	.0783235	-.001137	.0039355	97.00064

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7690642	.0078843	.0090253	13.31224	.2490229	.0628019
Stddev	.0065239	.0002671	.0000135	.06036	.0024615	.0002309
%RSD	.8482866	3.387054	.1497587	.4534168	.9884607	.3676318
#1	.7755701	.0075853	.0090136	13.30712	.2479227	.0630568
#2	.7625225	.0079686	.0090401	13.25460	.2473034	.0626068
#3	.7691002	.0080991	.0090223	13.37500	.2518426	.0627421

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0457172	188.8919	2.104918	29.08502	.1210947	-.005674
Stddev	.0006786	.9676	.010062	.18111	.0001631	.000125
%RSD	1.484250	.5122252	.4780090	.6226909	.1346537	2.194834
#1	.0462895	189.3030	2.105150	29.05814	.1212767	-.005683
#2	.0458945	187.7867	2.094743	28.91886	.1209619	-.005795
#3	.0449676	189.5860	2.114862	29.27807	.1210454	-.005546

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.078397	.2379602	.4227440	7.678564	F-220.644	.0572798
Stddev	.009396	.0010065	.0019893	.029482	.264	.0018301
%RSD	.4520896	.4229745	.4705623	.3839554	.1198388	3.195046
#1	2.075530	.2371139	.4238402	7.645618	-220.868	.0551671
#2	2.088892	.2376936	.4204478	7.687611	-220.712	.0583786
#3	2.070768	.2390732	.4239441	7.702462	-220.352	.0582937

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-02 Acquired: 11/14/2011 16:50:14 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R60 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000938	272.6070	2.149698	.0000286	3.433164	58.76315
Stddev	.000241	.4278	.014088	.0007074	.021395	.36735
%RSD	25.67389	.1569247	.6553291	2473.936	.6231830	.6251285
#1	-.000801	272.9930	2.158988	-.000715	3.445886	59.11625
#2	-.000797	272.6809	2.133489	.000693	3.408463	58.38305
#3	-.001216	272.1471	2.156617	.000108	3.445144	58.79015

Elem	Sr4077
Units	ppm
Avg	F21.10116
Stddev	.19614
%RSD	.9295373
#1	21.31255
#2	20.92505
#3	21.06589

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	720.8370	8735.603	173044.6	36108.69	5527.002
Stddev	9.1407	18.381	659.5	190.06	19.320
%RSD	1.268062	.2104126	.3811278	.5263487	.3495620
#1	710.3713	8725.408	172292.9	35890.21	5512.284
#2	724.8852	8724.578	173314.7	36235.81	5519.842
#3	727.2546	8756.822	173526.2	36200.07	5548.880

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-03 Acquired: 11/14/2011 16:53:32 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R61 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0277543	-.006486	.0966759	-.004283	.0047161	109.4059
Stddev	.0022629	.000756	.0011388	.002890	.0003931	.2915
%RSD	8.153230	11.66133	1.177950	67.47047	8.335134	.2664425
#1	.0303655	-.007352	.0954446	-.007573	.0047382	109.2324
#2	.0265311	-.006147	.0976913	-.003119	.0043125	109.7424
#3	.0263663	-.005958	.0968917	-.002157	.0050977	109.2427

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9081495	.0089574	.0097517	14.42971	.2897621	.0803758
Stddev	.0011880	.0001140	.0001624	.03787	.0016074	.0003868
%RSD	.1308107	1.273267	1.664983	.2624213	.5547417	.4812083
#1	.9081162	.0090739	.0095889	14.40309	.2906195	.0803903
#2	.9093538	.0088460	.0097526	14.47306	.2879077	.0807551
#3	.9069786	.0089522	.0099136	14.41299	.2907591	.0799820

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0733306	196.7004	2.273814	33.38144	.1652722	-.005743
Stddev	.0010934	.6686	.006526	.06659	.0003300	.000022
%RSD	1.491125	.3399303	.2869873	.1994927	.1996902	.3791866
#1	.0733103	196.2789	2.270915	33.36616	.1654030	-.005730
#2	.0744340	197.4714	2.281287	33.45435	.1655167	-.005730
#3	.0722474	196.3511	2.269240	33.32382	.1648968	-.005768

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.049814	.2844826	.5269309	9.914723	F-226.797	.0635489
Stddev	.032415	.0006580	.0043075	.042988	1.081	.0057349
%RSD	1.581349	.2312947	.8174678	.4335819	.4766765	9.024343
#1	2.086071	.2839440	.5219599	9.916411	-227.737	.0700222
#2	2.039734	.2852160	.5295623	9.956843	-227.038	.0591036
#3	2.023636	.2842878	.5292706	9.870916	-225.615	.0615208

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-03 Acquired: 11/14/2011 16:53:32 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R61 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000191	267.1092	2.731242	-.000443	3.950162	70.46907
Stddev	.000067	1.9128	.011850	.000466	.013640	.29092
%RSD	35.02199	.7161115	.4338844	105.2352	.3453005	.4128362
#1	-.000118	267.8934	2.743939	-.000115	3.936527	70.15363
#2	-.000250	268.5052	2.720475	-.000977	3.963807	70.72683
#3	-.000206	264.9289	2.729312	-.000237	3.950153	70.52676

Elem	Sr4077
Units	ppm
Avg	F24.63790
Stddev	.16842
%RSD	.6835878
#1	24.66742
#2	24.78961
#3	24.45667

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	727.1152	8828.978	173957.0	36571.00	5496.908
Stddev	7.0600	38.329	97.6	250.08	9.492
%RSD	.9709655	.4341309	.0560992	.6838203	.1726828
#1	721.4842	8787.676	173847.4	36416.40	5487.708
#2	724.8255	8835.857	174034.6	36437.08	5496.347
#3	735.0359	8863.403	173988.9	36859.52	5506.668

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-04 Acquired: 11/14/2011 16:56:50 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R62 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0280060	-.005080	.0711663	-.002068	.0052062	85.82331
Stddev	.0005214	.001095	.0007182	.001844	.0004450	.53326
%RSD	1.861617	21.55669	1.009236	89.14761	8.548070	.6213451
#1	.0277998	-.006095	.0719779	-.003790	.0047011	85.22791
#2	.0285989	-.003920	.0709087	-.002292	.0055405	85.98505
#3	.0276192	-.005224	.0706124	-.000123	.0053770	86.25698

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6952216	.0080737	.0087583	15.40661	.2380059	.0524297
Stddev	.0029632	.0000602	.0000508	.09412	.0034629	.0001069
%RSD	.4262229	.7454875	.5795840	.6108904	1.454970	.2038903
#1	.6922044	.0080660	.0088162	15.30103	.2340169	.0523164
#2	.6981276	.0081373	.0087373	15.48172	.2402399	.0525287
#3	.6953330	.0080177	.0087214	15.43707	.2397611	.0524440

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0599178	174.7791	2.840876	27.93101	.1424157	-.005233
Stddev	.0010052	1.3686	.017757	.14372	.0004297	.000239
%RSD	1.677599	.7830606	.6250400	.5145429	.3017357	4.575471
#1	.0589778	173.2183	2.823300	27.77452	.1419551	-.005474
#2	.0609775	175.3450	2.858808	28.05708	.1424861	-.004995
#3	.0597980	175.7741	2.840521	27.96145	.1428058	-.005231

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.879686	.2213591	.4117418	10.86239	F-610.458	.0620434
Stddev	.077046	.0034968	.0010167	.08928	3.859	.0015541
%RSD	4.098897	1.579696	.2469232	.8219116	.6321263	2.504848
#1	1.822502	.2173238	.4105691	10.77239	-606.028	.0638199
#2	1.849257	.2234998	.4122814	10.86384	-613.086	.0609355
#3	1.967301	.2232536	.4123750	10.95094	-612.260	.0613747

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-04 Acquired: 11/14/2011 16:56:50 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R62 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000735	418.9941	2.783301	.0001489	3.588863	58.24924
Stddev	.000212	3.1530	.005828	.0004762	.012402	.25965
%RSD	28.84672	.7525068	.2094083	319.8819	.3455579	.4457567
#1	-.000539	415.4985	2.784453	-.000325	3.574567	58.28075
#2	-.000960	421.6231	2.788467	.000143	3.596728	57.97527
#3	-.000707	419.8608	2.776982	.000628	3.595294	58.49170

Elem	Sr4077
Units	ppm
Avg	F22.53729
Stddev	.20866
%RSD	.9258515
#1	22.29958
#2	22.62211
#3	22.69019

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	728.7936	8733.961	173634.8	36941.51	5540.331
Stddev	1.4466	26.193	152.8	107.84	6.459
%RSD	.1984918	.2998991	.0880077	.2919269	.1165771
#1	729.4992	8733.614	173459.4	36977.10	5537.269
#2	727.1296	8707.943	173705.8	36820.37	5535.972
#3	729.7519	8760.326	173739.2	37027.06	5547.751

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-05 Acquired: 11/14/2011 17:00:07 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R63 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1591353	-.003810	.8767911	.0044116	.0077542	64.02884
Stddev	.0039049	.001701	.0239287	.0025730	.0016668	.12103
%RSD	2.453790	44.65235	2.729125	58.32409	21.49567	.1890171
#1	.1608647	-.004743	.8617401	.0043768	.0058448	63.96912
#2	.1546644	-.001847	.8642497	.0070018	.0089187	64.16812
#3	.1618768	-.004841	.9043836	.0018561	.0084990	63.94928

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8621876	.0073625	.0235639	11.46720	.4751849	.0599839
Stddev	.0025615	.0001411	.0004338	.01951	.0047934	.0013860
%RSD	.2970983	1.915826	1.840961	.1701428	1.008752	2.310547
#1	.8641458	.0073026	.0233423	11.44564	.4702892	.0587885
#2	.8592887	.0072613	.0232856	11.48365	.4753964	.0596600
#3	.8631282	.0075236	.0240637	11.47229	.4798691	.0615031

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4469467	139.9871	1.851325	17.04966	.1308477	.0022895
Stddev	.0010218	.2968	.000742	.05865	.0035458	.0001046
%RSD	.2286252	.2120239	.0400576	.3439886	2.709873	4.567562
#1	.4467583	139.9034	1.850873	16.98324	.1296224	.0023768
#2	.4480496	140.3167	1.850922	17.07142	.1280771	.0021736
#3	.4460321	139.7410	1.852181	17.09432	.1348437	.0023182

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.558113	.1844790	2.438881	6.844307	F-634.631	.0471559
Stddev	.030419	.0006164	.017583	.060368	11.288	.0008785
%RSD	1.952268	.3341453	.7209424	.8820240	1.778721	1.863033
#1	1.590342	.1838238	2.419053	6.872629	-630.137	.0464702
#2	1.554090	.1845657	2.445014	6.885307	-626.282	.0481462
#3	1.529905	.1850474	2.452576	6.774985	-647.474	.0468512

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-05 Acquired: 11/14/2011 17:00:07 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R63 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0021871	774.4823	2.511976	.0575006	2.050393	42.37246
Stddev	.0003538	18.0892	.011558	.0024537	.000419	.11899
%RSD	16.17427	2.335656	.4601199	4.267310	.0204376	.2808202
#1	.0025723	765.8673	2.523316	.0570280	2.050296	42.26627
#2	.0018767	762.3109	2.500212	.0553175	2.050030	42.35005
#3	.0021123	795.2688	2.512399	.0601563	2.050851	42.50106

Elem	Sr4077
Units	ppm
Avg	F 18.54689
Stddev	.06230
%RSD	.3358825
#1	18.61752
#2	18.49974
#3	18.52342

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	717.9194	8664.067	175069.3	36551.75	5582.041
Stddev	1.5105	97.095	299.6	218.52	91.523
%RSD	.2103989	1.120661	.1711334	.5978322	1.639596
#1	716.3692	8702.635	174725.0	36339.57	5625.989
#2	718.0024	8735.952	175270.3	36539.59	5643.301
#3	719.3867	8553.614	175212.7	36776.10	5476.833

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-06 Acquired: 11/14/2011 17:03:24 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R64 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0376842	-.005176	.1104837	-.003957	.0019762	84.40653
Stddev	.0003001	.000367	.0052356	.003607	.0011705	.51914
%RSD	.7962156	7.089109	4.738756	91.16322	59.23021	.6150527
#1	.0379260	-.004849	.1059947	-.000014	.0014732	83.83171
#2	.0377782	-.005573	.1092215	-.007091	.0011414	84.54663
#3	.0373484	-.005106	.1162350	-.004766	.0033142	84.84124

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7719865	.0072152	.0096401	12.59285	.2165595	.0874915
Stddev	.0033853	.0000426	.0001256	.11174	.0017380	.0020425
%RSD	.4385157	.5909800	1.302997	.8873288	.8025303	2.334556
#1	.7680973	.0071801	.0096379	12.47147	.2160066	.0860762
#2	.7735913	.0072627	.0095156	12.69144	.2151653	.0865651
#3	.7742710	.0072029	.0097667	12.61564	.2185067	.0898330

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0597603	166.2091	1.612850	23.87381	.1338570	-.004181
Stddev	.0015830	2.0719	.012955	.15835	.0029885	.000199
%RSD	2.648893	1.246535	.8032448	.6632759	2.232639	4.759367
#1	.0589877	163.8869	1.598228	23.73930	.1319292	-.004052
#2	.0615813	166.8721	1.617425	23.83381	.1323420	-.004410
#3	.0587120	167.8683	1.622897	24.04833	.1372996	-.004080

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.039444	.2274722	.6841896	5.427449	F-257.194	.0516269
Stddev	.045149	.0028924	.0056604	.039908	5.030	.0029675
%RSD	2.213813	1.271543	.8273175	.7353001	1.955812	5.747927
#1	2.061540	.2241783	.6903333	5.411684	-254.114	.0549252
#2	2.069289	.2295973	.6830495	5.397832	-254.470	.0491735
#3	1.987502	.2286411	.6791860	5.472832	-262.999	.0507821

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-06 Acquired: 11/14/2011 17:03:24 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R64 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009037	449.0791	2.622531	.0010141	2.487219	59.18729
Stddev	.0001968	9.1204	.015638	.0003942	.009661	.12797
%RSD	21.78079	2.030917	.5962969	38.87267	.3884274	.2162134
#1	.0011309	442.8641	2.604704	.0006748	2.476321	59.15683
#2	.0007950	444.8238	2.633931	.0009210	2.490601	59.07731
#3	.0007851	459.5496	2.628960	.0014465	2.494734	59.32775

Elem	Sr4077
Units	ppm
Avg	F 19.60340
Stddev	.18471
%RSD	.9422513
#1	19.39217
#2	19.68345
#3	19.73459

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	727.2265	8799.847	177319.9	37320.04	5532.604
Stddev	7.1244	100.125	876.4	199.97	81.619
%RSD	.9796639	1.137801	.4942312	.5358225	1.475245
#1	719.8000	8841.212	176360.8	37518.20	5571.025
#2	727.8752	8872.661	177520.3	37118.31	5587.922
#3	734.0044	8685.668	178078.8	37323.61	5438.864

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-07 Acquired: 11/14/2011 17:06:43 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R65 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0322306	-.008824	.0873059	-.004707	.0043595	100.3620
Stddev	.0019051	.000971	.0006022	.003386	.0002662	.4199
%RSD	5.910711	11.00004	.6897381	71.91720	6.106783	.4183674
#1	.0305992	-.007822	.0872379	-.002672	.0042128	99.8772
#2	.0317684	-.008891	.0879392	-.002835	.0046668	100.6066
#3	.0343243	-.009760	.0867406	-.008616	.0041989	100.6023

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8311081	.0083776	.0094057	15.72080	.2752710	.0613458
Stddev	.0018035	.0002143	.0001786	.07528	.0029170	.0008813
%RSD	.2170044	2.557876	1.898706	.4788611	1.059682	1.436622
#1	.8295119	.0085967	.0092220	15.63492	.2719235	.0606706
#2	.8307479	.0081684	.0094163	15.75215	.2766220	.0610239
#3	.8330646	.0083678	.0095787	15.77535	.2772676	.0623428

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0724800	175.7862	1.731189	30.11434	.1526933	-.004743
Stddev	.0014621	.9609	.007319	.13166	.0021556	.000228
%RSD	2.017252	.5466366	.4227528	.4372044	1.411733	4.808431
#1	.0722497	174.6767	1.724947	29.97762	.1510397	-.004875
#2	.0740436	176.3317	1.729376	30.12514	.1519088	-.004479
#3	.0711467	176.3502	1.739244	30.24027	.1551313	-.004874

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.271314	.2723188	.4952234	9.649476	F-297.960	.0529923
Stddev	.070137	.0002607	.0035868	.025856	3.532	.0024017
%RSD	3.087953	.0957382	.7242831	.2679560	1.185505	4.532194
#1	2.352290	.2725903	.4911138	9.625151	-296.307	.0507285
#2	2.231991	.2722954	.4977240	9.646645	-295.558	.0527371
#3	2.229660	.2720705	.4968324	9.676631	-302.016	.0555115

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-07 Acquired: 11/14/2011 17:06:43 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R65 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000302	227.6218	2.975668	.0003405	3.688782	60.68363
Stddev	.000183	3.4774	.013026	.0003462	.018237	.23394
%RSD	60.70398	1.527714	.4377360	101.6807	.4943780	.3855122
#1	-.000237	225.5144	2.965528	.0001104	3.671368	60.44154
#2	-.000159	225.7156	2.971117	.0001724	3.687234	60.90847
#3	-.000508	231.6355	2.990358	.0007387	3.707743	60.70086

Elem	Sr4077
Units	ppm
Avg	F24.19854
Stddev	.10766
%RSD	.4448834
#1	24.09286
#2	24.30807
#3	24.19467

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	719.7972	8684.786	175191.9	37262.56	5441.245
Stddev	6.1534	74.249	94.4	112.67	50.888
%RSD	.8548804	.8549291	.0538846	.3023565	.9352302
#1	714.5000	8726.534	175199.1	37149.07	5464.828
#2	718.3446	8728.763	175282.5	37264.23	5476.064
#3	726.5469	8599.060	175094.1	37374.39	5382.844

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-08 Acquired: 11/14/2011 17:10:31 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R66 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0409526	-.006046	.0523813	.0039653	.0023289	73.65580
Stddev	.0012092	.001104	.0007799	.0024062	.0005166	.80771
%RSD	2.952668	18.26269	1.488879	60.68210	22.18248	1.096595
#1	.0404823	-.007321	.0515271	.0047827	.0028921	73.00398
#2	.0400493	-.005417	.0525614	.0012568	.0022178	73.40401
#3	.0423263	-.005401	.0530554	.0058563	.0018769	74.55941

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5475114	.0054068	.0063381	17.16263	.1916153	.0411931
Stddev	.0036581	.0000854	.0000789	.17934	.0018782	.0002914
%RSD	.6681258	1.579005	1.245117	1.044926	.9801812	.7073278
#1	.5448110	.0053751	.0064273	17.01157	.1935509	.0414146
#2	.5460486	.0053417	.0063095	17.11550	.1898004	.0413017
#3	.5516745	.0055035	.0062774	17.36083	.1914946	.0408630

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0602071	121.0231	1.783465	25.45204	.1041506	-.003022
Stddev	.0014560	1.3100	.016104	.30881	.0002195	.000245
%RSD	2.418356	1.082404	.9029599	1.213301	.2107158	8.123898
#1	.0596848	119.7825	1.769086	25.17489	.1042034	-.002944
#2	.0618523	120.8938	1.780443	25.39633	.1039095	-.002824
#3	.0590843	122.3928	1.800866	25.78492	.1043388	-.003297

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.583530	.1914551	.4064886	8.426866	F-162.597	.0522914
Stddev	.041931	.0017515	.0056260	.092410	.267	.0024214
%RSD	1.622999	.9148163	1.384049	1.096617	.1643554	4.630511
#1	2.562151	.1909219	.4002536	8.329509	-162.745	.0515749
#2	2.556598	.1900322	.4111859	8.437716	-162.758	.0503092
#3	2.631841	.1934112	.4080263	8.513372	-162.288	.0549902

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-08 Acquired: 11/14/2011 17:10:31 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R66 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006675	631.1406	2.559283	.0001628	3.225664	45.95618
Stddev	.0002931	.2541	.023096	.0002920	.029843	.56952
%RSD	43.91452	.0402604	.9024343	179.3255	.9251708	1.239272
#1	.0009630	631.2080	2.544415	.0004789	3.202188	45.45496
#2	.0003768	630.8596	2.547544	.0001064	3.215555	45.83809
#3	.0006626	631.3542	2.585891	-.000097	3.259248	46.57549

Elem	Sr4077
Units	ppm
Avg	F22.57407
Stddev	.15298
%RSD	.6776914
#1	22.42037
#2	22.57553
#3	22.72632

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	705.4220	8594.694	173657.9	36756.18	5532.136
Stddev	5.0088	31.608	587.1	73.21	18.214
%RSD	.7100490	.3677651	.3380498	.1991909	.3292423
#1	708.1500	8578.133	173147.4	36840.67	5513.202
#2	699.6414	8574.808	174299.4	36711.35	5533.673
#3	708.4748	8631.142	173527.0	36716.52	5549.533

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-09 Acquired: 11/14/2011 17:13:50 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R67 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3134931	-.013351	.1801821	.0096393	.0090518	163.1088
Stddev	.0035893	.001242	.0006267	.0039198	.0010210	1.8383
%RSD	1.144948	9.304416	.3477929	40.66442	11.27891	1.127014
#1	.3105441	-.012014	.1801057	.0137523	.0082214	164.5348
#2	.3124454	-.014469	.1795972	.0092189	.0087424	163.7575
#3	.3174897	-.013571	.1808435	.0059467	.0101917	161.0341

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.006213	.0173250	.0231314	76.11107	.4525259	.1078899
Stddev	.024043	.0003445	.0002150	.74289	.0045751	.0015683
%RSD	1.198435	1.988179	.9294404	.9760612	1.011010	1.453642
#1	2.025651	.0171741	.0231530	76.75133	.4478669	.1074322
#2	2.013661	.0177191	.0229064	76.28534	.4570121	.1066013
#3	1.979327	.0170817	.0233348	75.29653	.4526986	.1096362

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1983248	F364.6902	9.158945	49.22433	.3067119	-.008754
Stddev	.0038856	4.3260	.087497	.41874	.0031352	.000402
%RSD	1.959213	1.186219	.9553181	.8506849	1.022203	4.590635
#1	.2026187	368.2752	9.229146	49.64157	.3057868	-.008291
#2	.1973044	365.9102	9.186770	49.22732	.3041433	-.009006
#3	.1950511	359.8852	9.060919	48.80410	.3102056	-.008966

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.086762	.5037284	1.009174	14.11084	F-758.453	.1681077
Stddev	.018984	.0069520	.011507	.16611	3.192	.0051646
%RSD	.4645162	1.380114	1.140252	1.177184	.4209032	3.072168
#1	4.101510	.5062628	1.021786	14.26586	-754.768	.1728466
#2	4.093434	.5090577	1.006489	14.13115	-760.205	.1688734
#3	4.065344	.4958648	.999247	13.93550	-760.384	.1626030

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-09 Acquired: 11/14/2011 17:13:50 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R67 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0083549	4172.208	2.621974	.0099197	4.553897	78.00465
Stddev	.0002862	34.887	.012192	.0008317	.040602	1.06353
%RSD	3.425434	.8361681	.4650080	8.384419	.8915963	1.363422
#1	.0086620	4150.273	2.635281	.0108548	4.585472	78.97860
#2	.0080957	4153.914	2.619303	.0092627	4.568123	78.16549
#3	.0083069	4212.436	2.611340	.0096415	4.508096	76.86986

Elem	Sr4077
Units	ppm
Avg	F 109.2033
Stddev	1.6769
%RSD	1.535552
#1	110.6603
#2	109.5792
#3	107.3703

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	698.6387	8219.317	170962.3	37465.24	5102.192
Stddev	16.6957	23.737	1330.2	685.13	10.767
%RSD	2.389753	.2887951	.7780764	1.828716	.2110326
#1	681.7411	8198.997	170948.0	36812.37	5094.173
#2	699.0500	8213.546	169639.3	37404.73	5114.430
#3	715.1250	8245.407	172299.6	38178.62	5097.973

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-10 Acquired: 11/14/2011 17:17:04 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R77 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0549925	-.003785	.4859498	.0043070	.0072894	50.62967
Stddev	.0019304	.001620	.0003601	.0016987	.0007361	.10183
%RSD	3.510301	42.80993	.0740965	39.44037	10.09856	.2011275
#1	.0540996	-.004709	.4856581	.0062108	.0080088	50.67277
#2	.0572077	-.001914	.4858391	.0029461	.0065377	50.70286
#3	.0536703	-.004731	.4863522	.0037640	.0073215	50.51337

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6376411	.0065033	.0176258	12.74236	.2874835	.0595161
Stddev	.0036556	.0001477	.0000909	.04618	.0044711	.0002319
%RSD	.5732932	2.271351	.5158971	.3623742	1.555256	.3896100
#1	.6418604	.0064271	.0175937	12.69828	.2825482	.0594438
#2	.6354263	.0064092	.0175553	12.73843	.2912636	.0597755
#3	.6356365	.0066735	.0177285	12.79038	.2886388	.0593290

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2916715	97.98040	1.248742	13.96393	.1278799	.0053075
Stddev	.0004612	.39077	.000522	.09423	.0002977	.0003058
%RSD	.1581243	.3988278	.0418089	.6747789	.2328160	5.761719
#1	.2921161	97.77776	1.249325	13.85812	.1282237	.0053120
#2	.2917031	98.43086	1.248583	13.99489	.1277108	.0056111
#3	.2911953	97.73256	1.248318	14.03878	.1277052	.0049995

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.480113	.2444856	1.876487	6.046940	F-391.850	.0382133
Stddev	.047626	.0026074	.011076	.020682	.794	.0011424
%RSD	3.217760	1.066504	.5902411	.3420276	.2025440	2.989506
#1	1.525441	.2415929	1.877482	6.060324	-392.663	.0370561
#2	1.430480	.2452089	1.864947	6.057377	-391.812	.0393402
#3	1.484417	.2466551	1.887032	6.023119	-391.077	.0382436

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-10 Acquired: 11/14/2011 17:17:04 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R77 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0072295	2089.538	1.823720	.0259268	2.395642	35.08339
Stddev	.0002973	1.676	.010847	.0007859	.000504	.20003
%RSD	4.112250	.0801948	.5947927	3.031350	.0210481	.5701428
#1	.0069366	2090.587	1.819381	.0254396	2.395114	35.31200
#2	.0072207	2090.421	1.815714	.0255073	2.395696	34.94057
#3	.0075311	2087.605	1.836065	.0268334	2.396118	34.99761

Elem	Sr4077
Units	ppm
Avg	F 18.05552
Stddev	.16757
%RSD	.9280762
#1	18.23871
#2	18.01787
#3	17.90997

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	715.1203	8803.049	177611.5	37255.18	5676.579
Stddev	10.9086	32.015	422.1	388.38	11.466
%RSD	1.525429	.3636793	.2376413	1.042487	.2019848
#1	702.5578	8770.818	177136.8	36830.37	5669.089
#2	720.6029	8803.487	177944.3	37343.12	5670.869
#3	722.2000	8834.843	177753.5	37592.05	5689.779

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-11 Acquired: 11/14/2011 17:20:21 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R78 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1010806	-.006352	.8700943	.0074567	.0117734	58.46542
Stddev	.0013971	.000221	.0031594	.0006596	.0009248	.01713
%RSD	1.382178	3.486248	.3631060	8.845328	7.854826	.0292910
#1	.1018062	-.006192	.8701664	.0072140	.0115231	58.47468
#2	.0994700	-.006605	.8668996	.0069529	.0109995	58.47591
#3	.1019656	-.006259	.8732171	.0082033	.0127976	58.44565

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8050218	.0097316	.0300807	12.07372	.6056963	.0736863
Stddev	.0036338	.0000517	.0002817	.01292	.0069925	.0004208
%RSD	.4513964	.5311563	.9365603	.1069863	1.154452	.5710298
#1	.8091967	.0097245	.0300736	12.05884	.5976255	.0737441
#2	.8025703	.0097865	.0298026	12.08021	.6095281	.0732396
#3	.8032985	.0096839	.0303659	12.08209	.6099353	.0740752

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4964752	119.3425	1.846377	14.49953	.1879765	.0101505
Stddev	.0022470	.2703	.002519	.04831	.0014270	.0000369
%RSD	.4525981	.2265312	.1364439	.3331520	.7591292	.3638419
#1	.4975292	119.1238	1.845496	14.46839	.1879599	.0101895
#2	.4980015	119.6448	1.849218	14.55518	.1865579	.0101160
#3	.4938949	119.2589	1.844416	14.47503	.1894118	.0101459

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.150806	.4227192	2.778226	6.056081	F-714.795	.0356427
Stddev	.038469	.0018126	.006719	.009202	3.436	.0004493
%RSD	3.342803	.4287846	.2418548	.1519525	.4806651	1.260550
#1	1.191777	.4206506	2.785819	6.045636	-715.708	.0361355
#2	1.145184	.4240289	2.775814	6.062995	-710.995	.0352558
#3	1.115458	.4234782	2.773046	6.059611	-717.682	.0355368

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-11 Acquired: 11/14/2011 17:20:21 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R78 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0085356	2332.031	2.106566	.0456319	3.179443	35.93765
Stddev	.0000860	14.740	.011965	.0005574	.002542	.14273
%RSD	1.007637	.6320846	.5680078	1.221592	.0799357	.3971675
#1	.0085659	2329.673	2.094142	.0462499	3.182159	36.04779
#2	.0084385	2318.612	2.107543	.0454787	3.179049	35.77639
#3	.0086023	2347.808	2.118013	.0451671	3.177122	35.98875

Elem	Sr4077
Units	ppm
Avg	F24.16804
Stddev	.07005
%RSD	.2898650
#1	24.24822
#2	24.11870
#3	24.13719

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	715.7922	8810.761	177738.0	37599.74	5673.897
Stddev	7.6224	48.305	361.2	305.58	35.194
%RSD	1.064891	.5482451	.2032450	.8127237	.6202747
#1	707.4176	8759.505	177772.5	37320.70	5645.711
#2	717.6341	8855.441	177360.8	37552.22	5713.343
#3	722.3248	8817.336	178080.8	37926.29	5662.637

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-12 Acquired: 11/14/2011 17:23:35 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R79 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2145969	-.005032	1.131266	.0088092	.0138828	85.26403
Stddev	.0085345	.000731	.004721	.0034861	.0008386	.19436
%RSD	3.976979	14.53382	.4172779	39.57369	6.040336	.2279462
#1	.2129401	-.005608	1.125991	.0072172	.0131838	85.03992
#2	.2238383	-.004209	1.132716	.0064033	.0136519	85.38635
#3	.2070123	-.005280	1.135092	.0128071	.0148126	85.36582

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9638731	.0100830	.0444143	15.65852	.7278033	.0993398
Stddev	.0016933	.0001350	.0000413	.09464	.0085867	.0002839
%RSD	.1756770	1.338370	.0929939	.6044164	1.179809	.2858372
#1	.9649319	.0099279	.0444378	15.55085	.7211626	.0992246
#2	.9647673	.0101736	.0444386	15.69611	.7247473	.0996632
#3	.9619202	.0101475	.0443667	15.72859	.7374999	.0991315

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7587398	178.9227	3.198943	22.02340	.2385877	.0107312
Stddev	.0027146	.7441	.012349	.06572	.0001444	.0001398
%RSD	.3577749	.4159050	.3860361	.2984161	.0605405	1.303040
#1	.7608593	178.0993	3.184765	21.96156	.2387457	.0106012
#2	.7556801	179.1217	3.204720	22.01623	.2385548	.0108791
#3	.7596800	179.5471	3.207345	22.09242	.2384624	.0107134

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.016060	.3449261	4.547222	8.728257	F-962.995	.0548142
Stddev	.018561	.0015939	.007629	.065850	4.061	.0013538
%RSD	.9206339	.4620991	.1677823	.7544479	.4216990	2.469831
#1	1.996240	.3440002	4.555927	8.802831	-966.917	.0532526
#2	2.033032	.3467666	4.544047	8.703829	-958.808	.0556579
#3	2.018908	.3440116	4.541693	8.678113	-963.259	.0555320

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-12 Acquired: 11/14/2011 17:23:35 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R79 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0070864	1992.115	2.498143	.0636796	3.287158	54.51052
Stddev	.0000420	.785	.014406	.0012341	.005535	.28652
%RSD	.5923623	.0394045	.5766750	1.937964	.1683814	.5256218
#1	.0070899	1993.008	2.484675	.0628639	3.280927	54.83413
#2	.0070428	1991.800	2.513333	.0650993	3.291506	54.28913
#3	.0071266	1991.536	2.496423	.0630754	3.289042	54.40831

Elem	Sr4077
Units	ppm
Avg	F28.96930
Stddev	.08470
%RSD	.2923711
#1	28.87968
#2	29.04801
#3	28.98021

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	718.2982	8767.587	177105.3	37258.65	5554.153
Stddev	8.2277	36.033	329.8	142.22	11.213
%RSD	1.145444	.4109813	.1862423	.3817015	.2018784
#1	710.1616	8726.036	177232.7	37128.63	5541.255
#2	718.1191	8790.230	177352.3	37236.79	5561.580
#3	726.6140	8786.496	176730.7	37410.54	5559.624

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-13 Acquired: 11/14/2011 17:26:47 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R80 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0559329	-.005654	.2875962	.0001782	.0053641	96.31159
Stddev	.0012742	.000791	.0016004	.0011237	.0014507	.43969
%RSD	2.278091	13.99050	.5564848	630.6021	27.04484	.4565328
#1	.0550740	-.006326	.2862735	.0014744	.0066286	96.19032
#2	.0573969	-.005853	.2893752	-.000418	.0037804	96.79919
#3	.0553279	-.004782	.2871399	-.000521	.0056833	95.94525

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9292147	.0087418	.0136296	14.17905	.3304977	.0706146
Stddev	.0050722	.0001654	.0000868	.07670	.0030453	.0005682
%RSD	.5458542	1.891563	.6370799	.5409534	.9214131	.8045869
#1	.9312339	.0085813	.0135356	14.10517	.3282631	.0702617
#2	.9329664	.0087323	.0136463	14.25829	.3339662	.0703122
#3	.9234440	.0089117	.0137069	14.17370	.3292636	.0712700

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1691708	166.7074	1.892047	25.05139	.1546935	-.001836
Stddev	.0001767	.6623	.010587	.18395	.0004218	.000240
%RSD	.1044359	.3972856	.5595408	.7342977	.2726658	13.07268
#1	.1693502	166.1402	1.882367	24.87438	.1543141	-.002113
#2	.1691652	167.4353	1.903353	25.24158	.1546185	-.001696
#3	.1689970	166.5468	1.890422	25.03822	.1551477	-.001699

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.267698	.2744852	1.112824	6.211350	F-394.250	.0507714
Stddev	.032020	.0018234	.004475	.028607	1.192	.0018750
%RSD	1.412019	.6642795	.4021421	.4605631	.3024604	3.693096
#1	2.276448	.2763601	1.108598	6.243359	-393.581	.0506374
#2	2.232213	.2743774	1.117512	6.188279	-393.542	.0489670
#3	2.294435	.2727182	1.112361	6.202412	-395.626	.0527099

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-13 Acquired: 11/14/2011 17:26:47 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R80 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014684	393.9788	2.446984	.0152363	2.431553	62.63572
Stddev	.0001162	.7603	.022310	.0005870	.009919	.20260
%RSD	7.912431	.1929806	.9117245	3.852984	.4079490	.3234615
#1	.0013874	393.1103	2.450007	.0157725	2.424607	62.51889
#2	.0016015	394.5239	2.467629	.0153275	2.442914	62.86966
#3	.0014163	394.3023	2.423318	.0146090	2.427139	62.51860

Elem	Sr4077
Units	ppm
Avg	F23.16674
Stddev	.08513
%RSD	.3674757
#1	23.17501
#2	23.24744
#3	23.07778

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	729.3990	8866.333	178985.7	37598.39	5550.828
Stddev	4.2711	19.684	1451.9	149.35	3.020
%RSD	.5855672	.2220029	.8111628	.3972251	.0544050
#1	728.2327	8888.939	177426.8	37494.74	5554.307
#2	725.8322	8852.988	179231.0	37530.86	5549.299
#3	734.1321	8857.072	180299.3	37769.58	5548.879

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-14 Acquired: 11/14/2011 17:30:04 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R81 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0231868	-.005264	.1180743	.0001532	.0042808	94.22423
Stddev	.0011684	.000687	.0012038	.0027512	.0014812	.18933
%RSD	5.038979	13.04280	1.019503	1795.751	34.60231	.2009403
#1	.0233564	-.004829	.1180783	-.002631	.0041219	94.38871
#2	.0219429	-.004907	.1192760	.000221	.0058351	94.01726
#3	.0242612	-.006056	.1168685	.002870	.0028854	94.26672

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8570502	.0081599	.0087700	11.65342	.2483571	.0678932
Stddev	.0022148	.0001902	.0000423	.02548	.0012403	.0002965
%RSD	.2584187	2.331250	.4824633	.2186407	.4993911	.4367748
#1	.8582546	.0082747	.0087957	11.67234	.2494793	.0675721
#2	.8544942	.0079403	.0087932	11.62445	.2485665	.0681567
#3	.8584017	.0082647	.0087212	11.66346	.2470254	.0679508

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0689282	162.1422	1.489547	24.32282	.1321022	-.004158
Stddev	.0009768	.8232	.006256	.09773	.0006635	.000280
%RSD	1.417102	.5077126	.4199708	.4018235	.5022291	6.740642
#1	.0699404	162.6377	1.491638	24.22845	.1322618	-.004140
#2	.0679912	161.1919	1.482514	24.31641	.1313735	-.003887
#3	.0688530	162.5969	1.494490	24.42361	.1326712	-.004447

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.887184	.2604368	.4575805	5.831784	F-228.944	.0493399
Stddev	.046223	.0035741	.0028112	.035749	.454	.0024290
%RSD	2.449292	1.372356	.6143710	.6129997	.1983556	4.923014
#1	1.840935	.2624358	.4607624	5.870045	-229.353	.0506605
#2	1.933380	.2563105	.4554333	5.826071	-228.456	.0465367
#3	1.887238	.2625643	.4565457	5.799236	-229.024	.0508224

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-14 Acquired: 11/14/2011 17:30:04 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R81 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019867	165.0165	2.576958	.0018787	2.416685	60.71835
Stddev	.0002837	.0957	.005011	.0008049	.003793	.09912
%RSD	14.28135	.0579855	.1944611	42.84193	.1569624	.1632481
#1	.0021489	164.9954	2.572936	.0027018	2.413941	60.63005
#2	.0016591	164.9331	2.582571	.0010934	2.415099	60.82557
#3	.0021521	165.1210	2.575366	.0018409	2.421013	60.69943

Elem	Sr4077
Units	ppm
Avg	F20.74773
Stddev	.06298
%RSD	.3035619
#1	20.75911
#2	20.67983
#3	20.80424

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	725.2142	8930.782	178540.7	37755.30	5599.808
Stddev	7.8252	40.944	1045.6	278.49	18.133
%RSD	1.079016	.4584615	.5856549	.7376293	.3238231
#1	716.2108	8895.062	177487.1	37434.17	5582.070
#2	730.3775	8921.819	178556.8	37930.44	5599.041
#3	729.0543	8975.465	179578.2	37901.30	5618.313

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-15 Acquired: 11/14/2011 17:33:23 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RH8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1103994	-.003930	.7914335	.0052563	.0073238	57.81897
Stddev	.0025468	.001499	.0062986	.0009404	.0012401	.27554
%RSD	2.306874	38.14035	.7958480	17.89136	16.93308	.4765607
#1	.1080290	-.003275	.7851373	.0061821	.0060968	57.97159
#2	.1130919	-.002870	.7977346	.0052848	.0085767	57.98442
#3	.1100772	-.005645	.7914285	.0043019	.0072978	57.50088

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7402623	.0095680	.0294882	11.00715	.5618244	.0623838
Stddev	.0043158	.0003543	.0000939	.01532	.0064123	.0006799
%RSD	.5830104	3.702791	.3182694	.1391811	1.141329	1.089830
#1	.7439223	.0099181	.0293825	11.02479	.5546253	.0617368
#2	.7413614	.0095764	.0295202	10.99939	.5669229	.0630924
#3	.7355032	.0092096	.0295619	10.99726	.5639251	.0623222

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4819834	114.7177	1.871140	14.53201	.1660723	.0097052
Stddev	.0025666	.5831	.004067	.08766	.0007583	.0003763
%RSD	.5325003	.5082753	.2173682	.6031973	.4566359	3.877162
#1	.4837013	115.1869	1.875680	14.62342	.1652182	.0100780
#2	.4832159	114.9013	1.869908	14.52393	.1666665	.0097121
#3	.4790331	114.0649	1.867830	14.44867	.1663321	.0093255

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.238250	.3803193	2.589561	6.048272	F-685.890	.0359103
Stddev	.056216	.0002770	.024273	.008288	2.430	.0022003
%RSD	4.539922	.0728427	.9373324	.1370316	.3542697	6.127121
#1	1.197484	.3802532	2.596817	6.055934	-684.138	.0376482
#2	1.302380	.3806234	2.562487	6.039475	-688.664	.0334364
#3	1.214886	.3800812	2.609377	6.049408	-684.868	.0366464

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-15 Acquired: 11/14/2011 17:33:23 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RH8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0065985	1663.838	2.114668	.0402133	2.991047	35.81444
Stddev	.0002426	9.442	.011384	.0009491	.005346	.14828
%RSD	3.677168	.5675095	.5383196	2.360262	.1787425	.4140230
#1	.0065220	1653.350	2.127256	.0392696	2.996646	35.96688
#2	.0068702	1671.663	2.105096	.0411678	2.990498	35.80575
#3	.0064033	1666.500	2.111652	.0402024	2.985996	35.67071

Elem	Sr4077
Units	ppm
Avg	F24.84795
Stddev	.32254
%RSD	1.298048
#1	25.14692
#2	24.89081
#3	24.50613

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	724.6526	8847.037	178793.1	37756.20	5672.135
Stddev	11.6114	23.074	389.7	492.13	14.411
%RSD	1.602341	.2608122	.2179576	1.303447	.2540671
#1	711.2525	8851.332	178753.2	37240.87	5680.972
#2	730.9614	8822.116	178424.9	37806.44	5655.506
#3	731.7438	8867.661	179201.2	38221.28	5679.928

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-15LX5 Acquired: 11/14/2011 17:36:38 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RH8L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0235618	-.001178	.1660865	.0021578	.0014046	11.93780	.1517239
Stddev	.0012940	.000504	.0043760	.0002922	.0008634	.05790	.0001150
%RSD	5.492017	42.74835	2.634742	13.54280	61.46547	.4849805	.0758009
#1	.0250557	-.001023	.1637635	.0018204	.0012393	12.00137	.1516463
#2	.0228409	-.000770	.1633619	.0023233	.0006359	11.88809	.1518561
#3	.0227888	-.001741	.1711341	.0023297	.0023387	11.92394	.1516694

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020940	.0060830	2.289834	.1171405	.0127169	.1066354	24.69374
Stddev	.0001622	.0001402	.018611	.0014738	.0003597	.0010565	.17121
%RSD	7.743802	2.304988	.8127538	1.258175	2.828950	.9907604	.6933494
#1	.0020229	.0060231	2.310986	.1169215	.0124494	.1077803	24.88504
#2	.0019795	.0059826	2.282544	.1157885	.0125753	.1056982	24.55486
#3	.0022796	.0062432	2.275972	.1187117	.0131258	.1064276	24.64133

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3949362	3.089015	.0343436	.0016673	.3775375	.0795640	.5459329
Stddev	.0035878	.032790	.0003995	.0000705	.0241957	.0011134	.0043128
%RSD	.9084547	1.061497	1.163214	4.230041	6.408832	1.399400	.7899827
#1	.3990519	3.126713	.0339051	.0017225	.4053651	.0808357	.5466607
#2	.3924680	3.067116	.0344389	.0016916	.3614664	.0787642	.5498355
#3	.3932887	3.073215	.0346868	.0015878	.3657811	.0790922	.5413026

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.128572	F-147.859	.0073817	.0008570	353.8522	.4842014	.0043824
Stddev	.028907	2.199	.0006611	.0002784	5.8102	.0028790	.0003154
%RSD	2.561413	1.487315	8.955667	32.48598	1.641972	.5945939	7.196731
#1	1.095399	-147.605	.0081354	.0005567	353.0486	.4875103	.0040190
#2	1.148369	-145.798	.0069002	.0011065	348.4857	.4822696	.0045445
#3	1.141947	-150.174	.0071094	.0009077	360.0224	.4828242	.0045839

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-15LX5 Acquired: 11/14/2011 17:36:38 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RH8L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.6174613	6.890883	5.096381
Stddev	.0016774	.175877	.024921
%RSD	.2716577	2.552316	.4889843
#1	.6180922	6.770417	5.107270
#2	.6187317	7.092709	5.067870
#3	.6155599	6.809522	5.114005

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	750.7147	9029.130	181619.1	37921.89	6056.502
Stddev	1.8267	130.912	1015.6	181.16	87.008
%RSD	.2433328	1.449884	.5592026	.4777168	1.436597
#1	752.3194	9057.269	181969.1	37735.93	6080.736
#2	751.0980	9143.683	182413.5	38097.83	6128.824
#3	748.7268	8886.436	180474.8	37931.92	5959.947

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-16 Acquired: 11/14/2011 17:39:59 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RH8D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1288104	-.004224	.8774691	.0041005	.0102242	72.22440
Stddev	.0026604	.000801	.0129972	.0007241	.0009863	.22512
%RSD	2.065391	18.95193	1.481211	17.65838	9.646607	.3116964
#1	.1281679	-.003575	.8727303	.0049209	.0113282	71.97695
#2	.1317333	-.005119	.8921708	.0038302	.0094300	72.41710
#3	.1265301	-.003978	.8675063	.0035505	.0099144	72.27914

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8628828	.0110032	.0331809	12.89661	.6808973	.0769698
Stddev	.0021770	.0000924	.0005102	.05165	.0055099	.0010445
%RSD	.2522982	.8397584	1.537516	.4004580	.8092191	1.357076
#1	.8641849	.0109211	.0329612	12.84602	.6750023	.0763798
#2	.8640940	.0109850	.0337641	12.89456	.6859176	.0781758
#3	.8603695	.0111033	.0328174	12.94925	.6817720	.0763537

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5816769	139.9105	2.253678	17.61919	.2077074	.0089777
Stddev	.0011506	.4173	.005485	.06863	.0019042	.0001466
%RSD	.1978104	.2982555	.2433953	.3895363	.9167715	1.632786
#1	.5829889	139.4360	2.247501	17.63507	.2069167	.0088547
#2	.5808397	140.0750	2.255552	17.54401	.2098796	.0091399
#3	.5812019	140.2205	2.257980	17.67849	.2063260	.0089384

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.682694	.4323826	3.013646	6.905455	F-813.622	.0429393
Stddev	.045051	.0032173	.017842	.020008	9.340	.0006677
%RSD	1.679305	.7440852	.5920449	.2897456	1.147930	1.554972
#1	2.630763	.4314259	2.994128	6.892899	-810.587	.0433133
#2	2.711291	.4359698	3.029117	6.928529	-824.102	.0433361
#3	2.706029	.4297522	3.017693	6.894937	-806.178	.0421684

Reviewed By:danuta
On:11/15/2011
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Inst Id :P5

Sample Name: C4499-16 Acquired: 11/14/2011 17:39:59 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RH8D Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0076984	1649.881	2.538461	.0475934	3.539156	41.89335
Stddev	.0001350	19.266	.008401	.0005183	.003557	.11785
%RSD	1.753272	1.167750	.3309379	1.089004	.1005157	.2813131
#1	.0075642	1641.406	2.531354	.0475814	3.535836	41.83912
#2	.0076970	1671.932	2.536297	.0470813	3.542911	41.81237
#3	.0078341	1636.305	2.547732	.0481176	3.538721	42.02855

Elem	Sr4077
Units	ppm
Avg	F28.59814
Stddev	.09341
%RSD	.3266239
#1	28.69715
#2	28.58569
#3	28.51159

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	708.1692	8643.027	175338.9	37203.21	5534.708
Stddev	5.4907	83.943	1180.9	248.00	59.705
%RSD	.7753429	.9712222	.6735164	.6666020	1.078733
#1	701.9576	8651.770	174112.3	36922.81	5548.282
#2	710.1750	8555.055	175436.4	37393.76	5469.385
#3	712.3750	8722.256	176468.1	37293.05	5586.457

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-17 Acquired: 11/14/2011 17:43:14 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RH8S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1658803	.0806779	.8020361	.0804148	.1231529	61.07300
Stddev	.0031787	.0005496	.0195417	.0039775	.0022622	.03658
%RSD	1.916248	.6812807	2.436516	4.946273	1.836887	.0598977
#1	.1627930	.0800719	.7900591	.0779002	.1209982	61.06385
#2	.1657047	.0808176	.7914628	.0783436	.1229515	61.11329
#3	.1691431	.0811442	.8245864	.0850005	.1255091	61.04187

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.977727	.0800323	.1118842	12.94267	.8280636	.7930350
Stddev	.013312	.0004256	.0028214	.04492	.0024301	.0196852
%RSD	.3346701	.5318283	2.521719	.3470980	.2934634	2.482260
#1	3.985688	.0798943	.1098917	12.93284	.8255122	.7805219
#2	3.985134	.0796928	.1106481	12.90347	.8283279	.7828576
#3	3.962359	.0805098	.1151127	12.99169	.8303508	.8157254

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8577810	115.9916	2.658695	14.62491	.9019706	.0931790
Stddev	.0005547	.4968	.006617	.07033	.0208909	.0004848
%RSD	.0646690	.4282638	.2488966	.4808807	2.316142	.5202692
#1	.8582778	116.0626	2.658890	14.61172	.8879309	.0937368
#2	.8571825	115.4632	2.651982	14.56211	.8920025	.0929406
#3	.8578827	116.4491	2.665213	14.70090	.9259786	.0928595

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.881089	1.121034	3.414542	5.991110	F-667.402	.0376483
Stddev	.068578	.002758	.004046	.065760	13.373	.0032170
%RSD	3.645672	.2460543	.1184852	1.097628	2.003769	8.544954
#1	1.815642	1.119154	3.416498	5.964956	-658.178	.0413594
#2	1.875206	1.119747	3.409890	6.065924	-661.289	.0359364
#3	1.952420	1.124201	3.417238	5.942451	-682.740	.0356493

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-17 Acquired: 11/14/2011 17:43:14 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RH8S Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0059687	1459.314	2.581986	.0424283	2.777293	36.21845
Stddev	.0005562	31.388	.016137	.0008431	.003586	.40884
%RSD	9.318051	2.150883	.6249937	1.987091	.1291033	1.128809
#1	.0054485	1437.960	2.600608	.0419534	2.780030	36.68992
#2	.0059027	1444.629	2.573254	.0419298	2.778615	35.96178
#3	.0065549	1495.353	2.572096	.0434018	2.773235	36.00367

Elem	Sr4077
Units	ppm
Avg	F25.16309
Stddev	.12527
%RSD	.4978411
#1	25.29740
#2	25.14247
#3	25.04941

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	708.4490	8670.405	175779.0	36965.91	5583.739
Stddev	7.1483	138.235	1160.1	215.10	97.624
%RSD	1.009002	1.594330	.6599996	.5818857	1.748361
#1	700.4646	8750.143	174472.2	36724.66	5643.560
#2	710.6287	8750.286	176177.2	37137.67	5636.572
#3	714.2536	8510.785	176687.6	37035.41	5471.085

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: CCV Acquired: 11/14/2011 17:46:25 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV26 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.734901	4.788081	23.58472	4.754731	4.789581	147.9284
Stddev	.037511	.034672	.19771	.036942	.044199	.4655
%RSD	.7922329	.7241351	.8383179	.7769583	.9228156	.3147004
#1	4.722832	4.767371	23.49813	4.742757	4.767556	148.1210
#2	4.776961	4.828109	23.81096	4.796175	4.840465	147.3975
#3	4.704909	4.768764	23.44508	4.725261	4.760723	148.2668

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.891683	.4720239	2.359640	243.4626	14.63919	2.376914
Stddev	.102407	.0030169	.019688	1.1693	.12175	.021345
%RSD	1.035281	.6391316	.8343434	.4802891	.8316392	.8980247
#1	10.00826	.4710390	2.349642	242.6089	14.51591	2.369077
#2	9.81624	.4696226	2.382320	242.9834	14.64233	2.401070
#3	9.85055	.4754101	2.346957	244.7954	14.75934	2.360595

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.65336	141.0367	14.42484	231.5879	2.385254	1.184330
Stddev	.04964	.5867	.05532	1.1109	.020411	.003825
%RSD	.3387429	.4160169	.3835107	.4796953	.8557364	.3229832
#1	14.70030	141.0669	14.39349	230.4052	2.375802	1.180058
#2	14.60141	140.4355	14.39231	231.7493	2.408678	1.185491
#3	14.65839	141.6078	14.48871	232.6094	2.371281	1.187439

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	144.7870	2.398601	14.20137	143.0497	F-184.111	4.877852
Stddev	.3967	.007163	.13388	.2091	1.521	.027818
%RSD	.2739976	.2986341	.9427414	.1461911	.8259912	.5702890
#1	145.0887	2.396103	14.09898	143.2760	-183.267	4.860093
#2	144.3376	2.393022	14.35288	143.0097	-185.867	4.863552
#3	144.9346	2.406679	14.15227	142.8635	-183.200	4.909911

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: CCV Acquired: 11/14/2011 17:46:25 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV26 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.969918	216.3528	5.079410	4.853277	4.917384	F817.1936
Stddev	.038319	2.0562	.026308	.039059	.007958	2.8495
%RSD	.7710110	.9503826	.5179343	.8048052	.1618263	.3486888
#1	4.953749	215.0537	5.085534	4.835091	4.914163	819.6161
#2	5.013671	218.7235	5.050581	4.898114	4.911541	814.0541
#3	4.942334	215.2813	5.102116	4.826627	4.926447	817.9104

Elem	Sr4077
Units	ppm
Avg	F456.9835
Stddev	1.6807
%RSD	.3677767
#1	455.4658
#2	458.7898
#3	456.6949

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	652.7600	7761.630	156438.9	34205.96	4656.595
Stddev	6.9001	55.121	483.9	95.96	32.481
%RSD	1.057064	.7101770	.3092933	.2805374	.6975216
#1	651.8250	7774.574	156987.1	34095.55	4666.366
#2	646.3750	7701.189	156258.2	34269.23	4620.350
#3	660.0798	7809.128	156071.4	34253.10	4683.068

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: CCB Acquired: 11/14/2011 17:49:45 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB26 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002157	.0008949	-.000191	.0024514	.0016929	.0091457
Stddev	.000612	.0001798	.001255	.0022567	.0009649	.0052449
%RSD	28.39222	20.08628	657.7328	92.05828	56.99358	57.34809
#1	-.001580	.0010044	.000485	-.000107	.0013137	.0150242
#2	-.002799	.0009929	-.001639	.004160	.0009753	.0049450
#3	-.002092	.0006875	.000582	.003301	.0027898	.0074679

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002005	.0000782	-.000000	-.002355	.0003939	.0000044
Stddev	.0002833	.0000924	.000016	.000309	.0016179	.0002152
%RSD	141.3414	118.0460	4595.462	13.12380	410.7119	4853.537
#1	-.000036	-.000017	-.000015	-.002371	.0012672	.0002462
#2	.000122	.000084	-.000003	-.002655	.0013875	-.000166
#3	.000515	.000168	.000016	-.002038	-.001473	-.000067

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018973	.0228742	.0001811	-.008192	-.000053	-.000340
Stddev	.0008997	.0183242	.0001803	.010590	.000248	.000082
%RSD	47.42330	80.10852	99.57662	129.2745	471.9966	24.01164
#1	.0024939	.0438808	.0000019	-.013097	.000023	-.000386
#2	.0023355	.0145662	.0001788	.003962	.000149	-.000389
#3	.0008624	.0101756	.0003626	-.015441	-.000330	-.000246

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.043162	.0002368	.0009482	.1184841	.0677182	.0105554
Stddev	.061788	.0007250	.0014146	.0096002	.1268717	.0011396
%RSD	143.1529	306.1788	149.1885	8.102493	187.3523	10.79645
#1	-.018311	-.000498	-.000151	.1081002	.2141684	.0093698
#2	.002331	.000952	.002544	.1203155	-.008776	.0106538
#3	-.113506	.000257	.000451	.1270367	-.002237	.0116426

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: CCB Acquired: 11/14/2011 17:49:45 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB26 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0037317	.1210559	-.021056	.0000049	.0025783	F.1077700
Stddev	.0013730	.1474696	.006299	.0003006	.0008349	.1156216
%RSD	36.79210	121.8195	29.91286	6171.285	32.38294	107.2856
#1	.0052097	.0075458	-.014342	.0002675	.0027595	.1424345
#2	.0034894	.0678841	-.021992	-.000323	.0033078	.2020941
#3	.0024960	.2877377	-.026835	.000070	.0016677	-.021219

Elem	Sr4077
Units	ppm
Avg	F-.016517
Stddev	.003888
%RSD	23.53709
#1	-.020827
#2	-.015450
#3	-.013275

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	698.1442	9029.866	178390.6	35271.38	6116.373
Stddev	9.4859	92.794	903.5	577.30	53.458
%RSD	1.358724	1.027633	.5064572	1.636748	.8740157
#1	694.2450	8923.401	177350.9	35656.95	6056.411
#2	708.9582	9072.624	178984.9	35549.52	6133.656
#3	691.2293	9093.572	178836.0	34607.65	6159.051

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-09X10 Acquired: 11/14/2011 17:53:11 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R67 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0327433	.0003776	.0210647	.0013752	-.000306	17.83899
Stddev	.0009230	.0014547	.0013657	.0010364	.000311	.55722
%RSD	2.818859	385.2671	6.483533	75.36100	101.6564	3.123605
#1	.0337655	.0007574	.0213497	.0013869	-.000450	17.41843
#2	.0319709	.0016047	.0195789	.0024058	-.000517	17.62756
#3	.0324936	-.001229	.0222654	.0003331	.000051	18.47098

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2152049	.0020518	.0024136	8.687927	.0478185	.0110761
Stddev	.0061683	.0001439	.0000950	.282983	.0007187	.0003152
%RSD	2.866253	7.015104	3.937472	3.257202	1.503061	2.846066
#1	.2107487	.0019701	.0024977	8.489381	.0483424	.0113483
#2	.2126210	.0019673	.0024325	8.562447	.0481139	.0111494
#3	.2222449	.0022180	.0023105	9.011954	.0469991	.0107307

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0260724	42.51099	1.070473	5.665224	.0328509	-.001073
Stddev	.0004874	1.59094	.035353	.166946	.0007258	.000527
%RSD	1.869490	3.742415	3.302529	2.946858	2.209441	49.17543
#1	.0265971	41.29453	1.044266	5.575487	.0336889	-.001603
#2	.0259866	41.92706	1.056470	5.562338	.0324180	-.001067
#3	.0256336	44.31138	1.110682	5.857848	.0324458	-.000548

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4894657	.0566787	.1171421	1.428034	F-82.5871	.0229897
Stddev	.0798607	.0018329	.0038690	.069852	1.5120	.0002434
%RSD	16.31590	3.233764	3.302808	4.891502	1.830793	1.058635
#1	.5705405	.0545807	.1140298	1.364993	-84.3115	.0229489
#2	.4108770	.0574867	.1159226	1.415981	-81.9609	.0227694
#3	.4869798	.0579687	.1214739	1.503129	-81.4887	.0232509

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-09X10 Acquired: 11/14/2011 17:53:11 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R67 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004537	472.1234	.2766992	-.002948	.5043872	7.932564
Stddev	.0001263	9.4667	.0090759	.000496	.0163036	.187105
%RSD	27.84496	2.005138	3.280073	16.82560	3.232364	2.358699
#1	.0005176	482.8213	.2764188	-.002475	.4916656	7.735689
#2	.0005353	468.7198	.2677667	-.003464	.4987302	8.108063
#3	.0003082	464.8290	.2859120	-.002907	.5227659	7.953942

Elem	Sr4077
Units	ppm
Avg	F 11.77805
Stddev	.38546
%RSD	3.272704
#1	11.42937
#2	11.71282
#3	12.19197

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	751.6098	8959.848	184557.3	37656.21	5986.844
Stddev	17.9843	80.800	986.5	1112.09	67.218
%RSD	2.392767	.9018048	.5345405	2.953258	1.122757
#1	764.8043	8866.844	185680.7	38475.61	5909.235
#2	758.9000	9012.784	184159.0	38102.77	6026.584
#3	731.1250	8999.917	183832.1	36390.26	6024.713

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-03X10 Acquired: 11/14/2011 17:56:30 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BB7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011445	.0029988	.0044655	.0005424	-.002040	1.854767
Stddev	.0013690	.0010882	.0010412	.0021560	.000957	.019017
%RSD	119.6168	36.28700	23.31672	397.4702	46.92337	1.025309
#1	.0019356	.0029584	.0048128	.0029432	-.002436	1.845917
#2	.0019341	.0019313	.0052886	-.001229	-.002735	1.841787
#3	-.000436	.0041065	.0032950	-.000087	-.000948	1.876596

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1947568	.0000451	.0008442	154.9878	.0074905	-.000381
Stddev	.0015179	.0001411	.0000565	1.1195	.0006527	.000022
%RSD	.7793986	312.7171	6.695609	.7223265	8.713515	5.764580
#1	.1939555	-.000064	.0007998	154.2802	.0082412	-.000390
#2	.1938075	.000205	.0009078	154.4046	.0071726	-.000396
#3	.1965075	-.000005	.0008249	156.2785	.0070577	-.000356

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0161327	1.478127	.4984538	3.529602	.0054211	.0002778
Stddev	.0020734	.006922	.0035084	.054288	.0001486	.0000672
%RSD	12.85234	.4682873	.7038573	1.538065	2.740239	24.20082
#1	.0163954	1.470152	.4967855	3.502037	.0055745	.0002168
#2	.0180622	1.482570	.4960909	3.494627	.0052779	.0002667
#3	.0139404	1.481660	.5024851	3.592142	.0054110	.0003499

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.398323	.0024827	.0584406	.2360299	F-68.4549	.0063220
Stddev	.042981	.0006733	.0025278	.0279941	.3062	.0020418
%RSD	1.792112	27.11786	4.325356	11.86042	.4473394	32.29711
#1	2.357214	.0027778	.0565596	.2301863	-68.2853	.0074562
#2	2.442958	.0029581	.0574483	.2114188	-68.8084	.0075451
#3	2.394797	.0017123	.0613140	.2664846	-68.2710	.0039649

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-03X10 Acquired: 11/14/2011 17:56:30 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BB7 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000246	106.5613	.3146739	-.006510	.0583378	2.852917
Stddev	.000144	1.0686	.0077464	.000186	.0009253	.159376
%RSD	58.38742	1.002817	2.461734	2.855832	1.586163	5.586414
#1	-.000247	107.1863	.3235966	-.006297	.0592624	2.671203
#2	-.000102	107.1701	.3096686	-.006639	.0583394	2.918556
#3	-.000390	105.3274	.3107564	-.006593	.0574117	2.968990

Elem	Sr4077
Units	ppm
Avg	F20.59840
Stddev	.10507
%RSD	.5101076
#1	20.51659
#2	20.56172
#3	20.71690

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	712.0021	8464.788	169950.7	36519.54	5611.252
Stddev	8.5641	19.277	2118.8	220.03	11.552
%RSD	1.202816	.2277343	1.246741	.6025057	.2058633
#1	711.9609	8481.045	167532.8	36647.94	5614.627
#2	720.5868	8443.491	170835.4	36645.20	5598.389
#3	703.4588	8469.826	171483.8	36265.47	5620.740

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-04X10 Acquired: 11/14/2011 17:59:52 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BB8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001235	-.001983	.0022162	.0039203	.0005980	1.123236
Stddev	.000804	.000870	.0014367	.0009872	.0006390	.021906
%RSD	65.08904	43.87624	64.82680	25.18211	106.8554	1.950217
#1	-.000564	-.002557	.0006922	.0028512	-.000095	1.107403
#2	-.002125	-.000982	.0035459	.0047973	.001165	1.148236
#3	-.001015	-.002410	.0024106	.0041124	.000724	1.114069

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1340212	.0002171	.0006645	52.09057	.0049862	-.000663
Stddev	.0031758	.0001597	.0000680	1.42521	.0005340	.000083
%RSD	2.369613	73.54423	10.23202	2.736032	10.70887	12.56460
#1	.1321295	.0003960	.0007386	50.65474	.0055234	-.000667
#2	.1376876	.0001662	.0006501	53.50492	.0049794	-.000745
#3	.1322464	.0000891	.0006049	52.11205	.0044556	-.000578

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0159490	.6494302	.5138086	2.889947	.0047392	.0005018
Stddev	.0007140	.0228382	.0138973	.057038	.0001864	.0001935
%RSD	4.476602	3.516646	2.704762	1.973670	3.932492	38.55668
#1	.0156979	.6328541	.4993110	2.848190	.0047698	.0003779
#2	.0167546	.6754807	.5270155	2.954934	.0049084	.0004027
#3	.0153944	.6399557	.5150993	2.866716	.0045394	.0007247

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.719270	.0020424	.0681390	.2644805	F-30.8013	.0067751
Stddev	.043356	.0011379	.0038005	.0029008	.1974	.0015729
%RSD	2.521747	55.71377	5.577511	1.096777	.6407493	23.21585
#1	1.669567	.0033562	.0665719	.2627046	-30.6946	.0077547
#2	1.738934	.0013719	.0724725	.2678279	-31.0290	.0076099
#3	1.749310	.0013990	.0653727	.2629090	-30.6802	.0049608

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-04X10 Acquired: 11/14/2011 17:59:52 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BB8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005677	132.5644	.2960129	-.001813	.0218824	1.071688
Stddev	.0000696	.3384	.0102769	.000747	.0011413	.189562
%RSD	12.26273	.2553088	3.471782	41.21625	5.215622	17.68816
#1	.0006152	132.3734	.2927953	-.002383	.0212322	.856738
#2	.0006002	132.9551	.3075136	-.000967	.0232003	1.143372
#3	.0004878	132.3645	.2877297	-.002088	.0212148	1.214954

Elem	Sr4077
Units	ppm
Avg	F 12.39349
Stddev	.34713
%RSD	2.800888
#1	12.16721
#2	12.79316
#3	12.22012

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	670.9528	8599.026	172539.2	35533.07	5718.985
Stddev	13.0825	65.137	1397.6	765.56	28.513
%RSD	1.949839	.7574892	.8099952	2.154504	.4985614
#1	665.2551	8528.309	170926.0	35842.17	5686.753
#2	661.6853	8612.199	173384.3	34661.28	5729.284
#3	685.9179	8656.569	173307.2	36095.75	5740.916

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-05X10 Acquired: 11/14/2011 18:03:14 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BB9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002238	-.003596	.0027476	.0053891	.0000585	.8212436
Stddev	.001120	.000074	.0013795	.0021444	.0003685	.0001888
%RSD	50.01923	2.063085	50.20764	39.79064	630.3272	.0229829
#1	-.001922	-.003531	.0041382	.0076606	.0004387	.8210271
#2	-.001311	-.003582	.0013794	.0033998	-.000297	.8213301
#3	-.003482	-.003677	.0027252	.0051069	.000034	.8213736

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2375043	-.000020	.0005541	206.7464	.0100413	-.000867
Stddev	.0011150	.000253	.0000567	1.2837	.0008371	.000137
%RSD	.4694572	1279.493	10.22885	.6209098	8.336268	15.75223
#1	.2377617	-.000135	.0004992	205.3353	.0090924	-.001016
#2	.2384680	.000271	.0005507	207.8450	.0106750	-.000838
#3	.2362831	-.000195	.0006124	207.0589	.0103566	-.000748

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0166900	.8376635	.5350356	4.502363	.0067044	.0003943
Stddev	.0018969	.0087054	.0040526	.037960	.0002482	.0001180
%RSD	11.36577	1.039249	.7574398	.8431094	3.702035	29.91614
#1	.0165339	.8298990	.5311669	4.463364	.0069617	.0002752
#2	.0148759	.8470746	.5392499	4.539190	.0066851	.0003968
#3	.0186601	.8360169	.5346899	4.504534	.0064664	.0005111

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.993866	.0026804	.0640843	.4515336	F-124.824	.0076471
Stddev	.104340	.0004878	.0007918	.0171953	.226	.0040961
%RSD	1.305256	18.20078	1.235557	3.808198	.1807046	53.56373
#1	7.893176	.0031680	.0648616	.4437946	-124.877	.0062530
#2	8.101509	.0026807	.0641125	.4395677	-125.018	.0044300
#3	7.986913	.0021923	.0632788	.4712385	-124.576	.0122582

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-05X10 Acquired: 11/14/2011 18:03:14 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BB9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002644	262.6008	.5555434	-.002580	.0365591	3.606823
Stddev	.0000113	1.0258	.0032536	.000635	.0006176	.209340
%RSD	4.261048	.3906461	.5856509	24.61192	1.689412	5.803998
#1	.0002527	263.5343	.5585443	-.003305	.0363434	3.605261
#2	.0002654	262.7656	.5520856	-.002127	.0372556	3.816939
#3	.0002752	261.5025	.5560004	-.002307	.0360782	3.398268

Elem	Sr4077
Units	ppm
Avg	F24.42304
Stddev	.19951
%RSD	.8168954
#1	24.30229
#2	24.65333
#3	24.31351

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	678.1029	8367.940	163129.3	35009.07	5375.403
Stddev	9.6292	45.729	4590.7	250.54	32.607
%RSD	1.420016	.5464773	2.814142	.7156562	.6065972
#1	668.6504	8315.459	160123.1	34952.11	5339.760
#2	677.7589	8389.133	160851.2	34791.91	5382.717
#3	687.8995	8399.227	168413.4	35283.19	5403.732

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-06X10 Acquired: 11/14/2011 18:06:36 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001010	-.002826	.0052870	.0048904	-.000010	2.199843
Stddev	.0020226	.000405	.0007878	.0012741	.000728	.006225
%RSD	2001.980	14.34623	14.90057	26.05386	6997.830	.2829968
#1	.0020040	-.003164	.0059950	.0063043	.000825	2.192673
#2	.0003223	-.002376	.0044384	.0038311	-.000511	2.202979
#3	-.002023	-.002937	.0054277	.0045359	-.000345	2.203877

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2011213	.0001267	.0005916	105.9156	.0114473	-.000605
Stddev	.0015200	.0001268	.0000478	.3474	.0003165	.000172
%RSD	.7557540	100.0358	8.078598	.3279587	2.765065	28.40231
#1	.2024828	.0002228	.0005548	105.8541	.0118123	-.000565
#2	.1994814	-.000017	.0006456	105.6031	.0112808	-.000456
#3	.2013998	.000174	.0005744	106.2896	.0112487	-.000793

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0173363	1.755487	.3861656	4.600199	.0122742	.0001813
Stddev	.0005269	.016578	.0020704	.014281	.0002172	.0001783
%RSD	3.039321	.9443273	.5361460	.3104418	1.769419	98.34242
#1	.0174410	1.740575	.3845418	4.588389	.0122851	.0001682
#2	.0167649	1.752549	.3854581	4.616071	.0124856	.0000099
#3	.0178030	1.773338	.3884971	4.596138	.0120517	.0003658

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.677453	.0076125	.0636651	.5562907	F-72.0954	.0074218
Stddev	.104096	.0010237	.0011600	.0389191	.7497	.0025097
%RSD	2.225477	13.44719	1.822100	6.996178	1.039826	33.81539
#1	4.797310	.0065446	.0649787	.5464468	-71.9945	.0079695
#2	4.609681	.0085854	.0632353	.5991865	-72.8904	.0096124
#3	4.625367	.0077075	.0627813	.5232387	-71.4012	.0046834

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-06X10 Acquired: 11/14/2011 18:06:36 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004808	333.5189	.4272219	-.001134	.0554313	2.444169
Stddev	.0000334	2.8933	.0093327	.000306	.0003928	.163230
%RSD	6.938437	.8675217	2.184506	27.03112	.7086672	6.678344
#1	.0004465	335.0711	.4372109	-.001357	.0557474	2.617238
#2	.0004827	335.3050	.4257294	-.001260	.0555551	2.292986
#3	.0005131	330.1807	.4187255	-.000784	.0549916	2.422283

Elem	Sr4077
Units	ppm
Avg	F 18.56455
Stddev	.16062
%RSD	.8652208
#1	18.55460
#2	18.40913
#3	18.72991

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	685.0387	8531.522	172257.6	35058.49	5584.157
Stddev	6.9033	79.616	2116.4	170.39	45.346
%RSD	1.007721	.9332035	1.228615	.4860158	.8120521
#1	677.6132	8477.398	170552.6	34863.27	5549.899
#2	686.2413	8494.228	174626.3	35134.91	5566.991
#3	691.2618	8622.940	171593.9	35177.29	5635.580

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-07X10 Acquired: 11/14/2011 18:09:58 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC1 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002715	-.003252	.0071406	.0046816	.0013503	3.057549
Stddev	.0009077	.001880	.0004956	.0006952	.0005967	.004139
%RSD	334.3657	57.81057	6.941027	14.84898	44.18830	.1353742
#1	.0009070	-.001531	.0072332	.0051077	.0012205	3.062328
#2	.0006754	-.002966	.0066052	.0038794	.0020011	3.055108
#3	-.000768	-.005258	.0075834	.0050577	.0008291	3.055211

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4700517	.0001226	.0029937	134.1191	.0108895	-.000019
Stddev	.0013394	.0000613	.0000106	.5959	.0014526	.000238
%RSD	.2849495	49.97153	.3549997	.4443222	13.33958	1287.446
#1	.4708509	.0001860	.0029826	133.4586	.0094767	-.000280
#2	.4707989	.0000637	.0030038	134.2822	.0123789	.000186
#3	.4685054	.0001181	.0029946	134.6165	.0108129	.000038

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0423921	1.471862	1.328078	6.051926	.0083278	.0012170
Stddev	.0011964	.013737	.006744	.049435	.0004384	.0001223
%RSD	2.822305	.9333384	.5077898	.8168412	5.264307	10.05337
#1	.0413670	1.457986	1.320374	6.004663	.0078302	.0010757
#2	.0437067	1.485456	1.330944	6.047836	.0086571	.0012890
#3	.0421025	1.472145	1.332915	6.103278	.0084960	.0012862

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.230978	.0044069	.2290639	.6826854	F-125.588	.0159911
Stddev	.058337	.0013153	.0006586	.0447370	.533	.0014520
%RSD	.8067656	29.84545	.2875086	6.553085	.4244867	9.079882
#1	7.297328	.0032455	.2294950	.6959310	-125.830	.0176208
#2	7.207874	.0041402	.2293910	.6328213	-125.956	.0148352
#3	7.187731	.0058351	.2283059	.7193039	-124.976	.0155174

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-07X10 Acquired: 11/14/2011 18:09:58 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC1 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004910	432.5077	.5860115	-.000670	.0592852	2.805239
Stddev	.0002052	3.2045	.0059184	.000798	.0012868	.111931
%RSD	41.79577	.7409230	1.009937	119.1426	2.170573	3.990052
#1	.0005334	430.9693	.5865535	-.000706	.0579057	2.692425
#2	.0006717	436.1913	.5916401	.000146	.0604531	2.916264
#3	.0002679	430.3624	.5798407	-.001449	.0594968	2.807027

Elem	Sr4077
Units	ppm
Avg	F37.37689
Stddev	.20414
%RSD	.5461535
#1	37.38398
#2	37.57738
#3	37.16930

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	691.7247	8443.571	169253.2	35314.39	5510.975
Stddev	6.8493	63.121	641.1	151.86	29.545
%RSD	.9901826	.7475576	.3787575	.4300317	.5361107
#1	684.0160	8412.269	168591.9	35173.30	5506.956
#2	694.0474	8402.218	169871.9	35294.74	5483.645
#3	697.1106	8516.225	169295.8	35475.12	5542.323

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-08X10 Acquired: 11/14/2011 18:13:19 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC2 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002833	-.001719	.0069172	.0038853	.0005435	1.230955
Stddev	.001277	.000437	.0014515	.0020181	.0004806	.007473
%RSD	45.07610	25.40402	20.98438	51.94309	88.42075	.6070894
#1	-.004305	-.001613	.0078333	.0032125	.0000720	1.239137
#2	-.002154	-.001346	.0076748	.0061539	.0005259	1.224490
#3	-.002038	-.002199	.0052436	.0022895	.0010327	1.229239

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1682306	.0000050	.0059740	79.13734	.0051338	-.000598
Stddev	.0015777	.0001454	.0000270	.63262	.0014928	.000127
%RSD	.9378259	2915.871	.4514510	.7994009	29.07834	21.31273
#1	.1694915	-.000048	.0059990	78.95589	.0038294	-.000471
#2	.1664614	-.000107	.0059454	78.61527	.0048099	-.000725
#3	.1687390	.000169	.0059778	79.84086	.0067619	-.000597

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0143254	.7964664	.4490721	1.777497	.0056606	.0003517
Stddev	.0011672	.0034629	.0026468	.021520	.0002326	.0000768
%RSD	8.148044	.4347872	.5893993	1.210708	4.109846	21.83034
#1	.0131907	.7985900	.4497013	1.753589	.0057792	.0004389
#2	.0155227	.7924704	.4461674	1.783586	.0058101	.0003221
#3	.0142628	.7983388	.4513477	1.795317	.0053926	.0002942

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.049994	.0043838	.1009655	.2601396	F-48.9807	.0071002
Stddev	.039038	.0010532	.0016149	.0183866	.3781	.0012363
%RSD	1.904303	24.02440	1.599466	7.067954	.7718895	17.41273
#1	2.086843	.0032288	.1026937	.2779394	-49.3053	.0082008
#2	2.054054	.0052909	.0994948	.2612616	-49.0713	.0073372
#3	2.009084	.0046316	.1007081	.2412177	-48.5656	.0057625

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-08X10 Acquired: 11/14/2011 18:13:19 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC2 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000232	184.2540	.2860930	-.001545	.0204551	1.165459
Stddev	.0002933	.2767	.0103176	.000455	.0008835	.217494
%RSD	1264.447	.1501842	3.606388	29.47907	4.319106	18.66167
#1	-.000101	184.3275	.2966720	-.001043	.0194505	.960308
#2	-.000187	184.4865	.2760583	-.001660	.0208035	1.142580
#3	.000358	183.9479	.2855487	-.001932	.0211112	1.393487

Elem	Sr4077
Units	ppm
Avg	F 14.68097
Stddev	.10789
%RSD	.7349300
#1	14.75952
#2	14.55795
#3	14.72545

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	698.2985	8635.141	173386.3	35532.23	5671.556
Stddev	11.1865	46.200	437.9	210.43	23.251
%RSD	1.601971	.5350267	.2525507	.5922151	.4099625
#1	686.6507	8584.744	173832.2	35343.55	5650.947
#2	708.9582	8645.188	173369.8	35759.16	5666.960
#3	699.2866	8675.492	172956.9	35494.00	5696.763

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-09X10 Acquired: 11/14/2011 18:16:42 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC3 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.001083	-.002603	.0037769	.0038349	.0005628	2.028147
Stddev	.002110	.000811	.0007638	.0020340	.0002135	.035048
%RSD	194.8449	31.16884	20.22406	53.03981	37.94324	1.728056
#1	.000542	-.003512	.0034048	.0040833	.0004603	2.067275
#2	-.000323	-.002346	.0032704	.0016881	.0008083	1.999636
#3	-.003468	-.001951	.0046555	.0057333	.0004198	2.017528

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2649696	.0000500	.0015224	104.9443	.0090732	-.000469
Stddev	.0064591	.0000517	.0000032	1.0015	.0006497	.000185
%RSD	2.437673	103.3215	.2088474	.9543022	7.160233	39.47570
#1	.2724212	.0000867	.0015261	106.0804	.0089018	-.000273
#2	.2615193	.0000726	.0015209	104.1896	.0097913	-.000641
#3	.2609684	-.000009	.0015203	104.5628	.0085264	-.000495

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0159194	1.569568	.6960791	2.741025	.0029523	.0000588
Stddev	.0004467	.018668	.0076736	.015170	.0001932	.0002689
%RSD	2.806325	1.189365	1.102399	.5534252	6.544363	457.4589
#1	.0164316	1.591122	.7047786	2.752082	.0027740	-.000118
#2	.0156100	1.559011	.6902727	2.747261	.0031576	.000368
#3	.0157166	1.558569	.6931858	2.723731	.0029253	-.000074

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.244725	.0040192	.0768885	.4904215	F-65.1483	.0079311
Stddev	.033170	.0007039	.0008684	.0077104	.2023	.0005390
%RSD	1.477701	17.51210	1.129498	1.572199	.3105748	6.795530
#1	2.281528	.0036047	.0774702	.4985275	-65.3319	.0073708
#2	2.217136	.0048319	.0773051	.4895576	-64.9314	.0079768
#3	2.235509	.0036210	.0758903	.4831794	-65.1817	.0084458

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-09X10 Acquired: 11/14/2011 18:16:42 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC3 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000218	193.4409	.4134767	-.001484	.0542441	2.323654
Stddev	.0005188	.8213	.0137426	.000346	.0015403	.104900
%RSD	2376.340	.4245976	3.323669	23.33116	2.839625	4.514459
#1	-.000443	194.3657	.4281941	-.001828	.0560138	2.362403
#2	-.000073	192.7965	.4009791	-.001135	.0535128	2.403668
#3	.000581	193.1604	.4112570	-.001488	.0532056	2.204892

Elem	Sr4077
Units	ppm
Avg	F 19.49923
Stddev	.45567
%RSD	2.336867
#1	20.02506
#2	19.25262
#3	19.22002

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	683.6588	8569.845	171319.3	34770.70	5613.570
Stddev	20.0369	27.366	1173.9	543.22	17.710
%RSD	2.930840	.3193253	.6852202	1.562295	.3154935
#1	660.7964	8538.248	169999.1	34147.30	5593.121
#2	692.0142	8585.376	172245.6	35022.27	5623.597
#3	698.1659	8585.912	171713.3	35142.54	5623.993

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-10X10 Acquired: 11/14/2011 18:20:05 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC4 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000732	-.002150	.0056850	.0047358	.0010881	1.976473
Stddev	.000110	.000828	.0007450	.0012431	.0014954	.036830
%RSD	14.98950	38.53520	13.10470	26.24952	137.4287	1.863442
#1	-.000608	-.002105	.0063638	.0060893	.0026502	2.006670
#2	-.000776	-.001345	.0058030	.0044730	.0009445	1.935440
#3	-.000814	-.003000	.0048880	.0036451	-.000330	1.987309

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3131194	.0001516	.0056719	99.88226	.0111035	-.000178
Stddev	.0055207	.0000656	.0000662	1.29756	.0003731	.000120
%RSD	1.763145	43.28944	1.167885	1.299086	3.360676	67.67962
#1	.3185763	.0001869	.0057049	100.7922	.0109800	-.000176
#2	.3075370	.0000759	.0055956	98.3964	.0108078	-.000059
#3	.3132448	.0001920	.0057151	100.4581	.0115228	-.000299

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0353641	1.663912	1.018008	3.353152	.0079162	.0008307
Stddev	.0020511	.024691	.016436	.068939	.0002750	.0001324
%RSD	5.799893	1.483884	1.614536	2.055933	3.474087	15.93633
#1	.0371542	1.677115	1.029718	3.425817	.0076071	.0009345
#2	.0331261	1.635428	.999218	3.288670	.0080076	.0006817
#3	.0358119	1.679194	1.025086	3.344967	.0081339	.0008760

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.488204	.0022438	.2061106	.3082876	F-72.6197	.0107472
Stddev	.053587	.0009315	.0056997	.0113758	.5978	.0006773
%RSD	1.536237	41.51399	2.765377	3.689987	.8232227	6.301713
#1	3.484175	.0011855	.2121055	.3168489	-72.2938	.0101141
#2	3.543692	.0026068	.2007610	.2953793	-72.2556	.0114613
#3	3.436746	.0029392	.2054652	.3126347	-73.3096	.0106662

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-10X10 Acquired: 11/14/2011 18:20:05 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC4 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015873	321.9020	.3538914	-.000971	.0297501	1.850589
Stddev	.0001933	1.9301	.0127165	.000570	.0003253	.096807
%RSD	12.18075	.5995803	3.593322	58.71340	1.093560	5.231147
#1	.0015305	320.5592	.3683061	-.001216	.0301031	1.822165
#2	.0018027	321.0331	.3442608	-.000319	.0296848	1.771177
#3	.0014287	324.1138	.3491074	-.001378	.0294624	1.958427

Elem	Sr4077
Units	ppm
Avg	F24.38299
Stddev	.47342
%RSD	1.941593
#1	24.84932
#2	23.90278
#3	24.39687

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	698.3883	8528.722	170244.3	35317.67	5605.342
Stddev	19.7220	37.720	970.9	654.74	28.487
%RSD	2.823936	.4422656	.5703272	1.853864	.5082153
#1	676.4383	8548.878	169158.1	34644.88	5617.175
#2	714.6175	8552.082	170546.7	35952.73	5626.005
#3	704.1092	8485.206	171028.0	35355.40	5572.845

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-11X10 Acquired: 11/14/2011 18:23:29 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC5 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015537	-.003106	.0080528	.0053468	.0008126	2.506229
Stddev	.0009847	.001284	.0011360	.0010866	.0004281	.017967
%RSD	63.37765	41.33342	14.10673	20.32160	52.68151	.7168820
#1	.0019483	-.003440	.0071054	.0065389	.0003339	2.522937
#2	.0004329	-.001688	.0077409	.0044119	.0011587	2.508525
#3	.0022800	-.004190	.0093122	.0050898	.0009451	2.487224

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3448208	.0000388	.0019118	112.6711	.0114553	-.000353
Stddev	.0013591	.0000492	.0000576	.2704	.0007767	.000143
%RSD	.3941436	126.9718	3.012997	.2399851	6.780391	40.58137
#1	.3451558	.0000065	.0018646	112.3968	.0107341	-.000389
#2	.3459811	.0000954	.0018948	112.6792	.0122776	-.000474
#3	.3433256	.0000144	.0019760	112.9374	.0113542	-.000195

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0309066	1.388621	1.036557	3.338227	.0103964	.0007956
Stddev	.0013792	.004639	.002509	.040196	.0001824	.0001556
%RSD	4.462307	.3340802	.2420501	1.204124	1.754980	19.56479
#1	.0294571	1.388103	1.034462	3.301735	.0103093	.0006945
#2	.0310603	1.393498	1.035871	3.331632	.0102737	.0007174
#3	.0322025	1.384263	1.039337	3.381313	.0106060	.0009748

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.302401	.0049629	.1686278	.3866211	F-80.1273	.0103037
Stddev	.044160	.0005680	.0032420	.0100868	1.5758	.0017957
%RSD	1.917976	11.44465	1.922581	2.608952	1.966573	17.42734
#1	2.288456	.0054440	.1711580	.3758524	-78.9156	.0082340
#2	2.351850	.0051083	.1697521	.3958486	-79.5576	.0112305
#3	2.266898	.0043363	.1649733	.3881621	-81.9087	.0114466

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-11X10 Acquired: 11/14/2011 18:23:29 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC5 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003868	227.6052	.3717148	-.001410	.0396104	2.307202
Stddev	.0002758	5.0506	.0086737	.000354	.0004544	.092949
%RSD	71.29982	2.219027	2.333421	25.06752	1.147170	4.028658
#1	.0004682	223.1721	.3778837	-.001816	.0391567	2.375237
#2	.0000795	226.5402	.3617973	-.001168	.0396090	2.345073
#3	.0006127	233.1034	.3754635	-.001247	.0400655	2.201296

Elem	Sr4077
Units	ppm
Avg	F28.52593
Stddev	.06343
%RSD	.2223731
#1	28.57575
#2	28.54751
#3	28.45452

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	694.5168	8529.185	171509.3	35405.19	5579.571
Stddev	11.5781	81.841	362.5	176.61	65.621
%RSD	1.667072	.9595451	.2113595	.4988229	1.176102
#1	681.7000	8578.710	171274.3	35206.75	5624.301
#2	697.6314	8574.125	171326.9	35545.12	5610.174
#3	704.2190	8434.720	171926.8	35463.69	5504.238

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-11LX50 Acquired: 11/14/2011 18:26:53 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC5L Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000752	-.001727	.0024619	.0031710	-.000208	.5639142	.0790246
Stddev	.001208	.000547	.0008093	.0023751	.000813	.0063683	.0006205
%RSD	160.6174	31.64167	32.87081	74.90007	391.5138	1.129304	.7852001
#1	.000609	-.002142	.0033869	.0010632	-.000945	.5711720	.0793027
#2	-.001696	-.001932	.0021142	.0027055	.000664	.5613095	.0794575
#3	-.001168	-.001108	.0018847	.0057444	-.000342	.5592612	.0783137

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000100	.0004394	25.71482	.0017796	-.000473	.0086144	.3215688
Stddev	.000021	.0000371	.18143	.0007350	.000217	.0015542	.0010871
%RSD	20.93112	8.444216	.7055585	41.30153	45.80226	18.04164	.3380591
#1	-.000115	.0004769	25.53008	.0022604	-.000268	.0077965	.3211035
#2	-.000076	.0004027	25.89275	.0009335	-.000451	.0104067	.3228111
#3	-.000108	.0004387	25.72164	.0021450	-.000700	.0076399	.3207918

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2395106	.7631529	.0020726	-.000080	.4459509	.0017932	.0365672
Stddev	.0011665	.0143164	.0001415	.000120	.0709475	.0007094	.0012652
%RSD	.4870263	1.875950	6.827389	150.0305	15.90926	39.56119	3.459901
#1	.2383526	.7472667	.0021303	-.000139	.5015361	.0014414	.0371241
#2	.2406854	.7750556	.0019114	.000058	.3660406	.0013284	.0374584
#3	.2394940	.7671365	.0021761	-.000159	.4702761	.0026098	.0351191

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1587579	F-17.5978	.0015179	-.000316	49.05661	.0751251	-.000840
Stddev	.0199419	.2813	.0008383	.000254	.05271	.0043644	.000370
%RSD	12.56120	1.598461	55.22322	80.32989	.1074380	5.809579	44.08159
#1	.1760287	-17.3395	.0009313	-.000546	49.00025	.0801621	-.000454
#2	.1633123	-17.5563	.0024780	-.000043	49.06493	.0727465	-.001192
#3	.1369328	-17.8975	.0011445	-.000359	49.10467	.0724666	-.000875

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-11LX50 Acquired: 11/14/2011 18:26:53 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC5L Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0108939	.1683450	6.482186
Stddev	.0004746	.1285187	.018008
%RSD	4.356140	76.34248	.2778114
#1	.0112649	.1316525	6.472721
#2	.0110575	.3112196	6.502954
#3	.0103591	.0621629	6.470885

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	714.5568	8929.994	177434.8	35770.09	5933.606
Stddev	6.4277	16.737	169.7	210.86	5.105
%RSD	.8995303	.1874248	.0956647	.5894953	.0860338
#1	708.3500	8919.805	177247.4	35750.75	5927.724
#2	714.1359	8949.310	177578.2	35569.56	5936.883
#3	721.1846	8920.866	177478.8	35989.95	5936.211

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-12X10 Acquired: 11/14/2011 18:30:18 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC5D Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016395	-.002614	.0083324	.0040194	.0003517	2.472413
Stddev	.0004201	.000254	.0009484	.0016627	.0012208	.023652
%RSD	25.62237	9.716806	11.38242	41.36765	347.1370	.9566476
#1	.0018146	-.002907	.0078469	.0037921	.0015889	2.451290
#2	.0011602	-.002459	.0094253	.0024820	.0003182	2.497968
#3	.0019437	-.002475	.0077251	.0057841	-.000852	2.467982

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3346429	.0001901	.0017645	105.9102	.0112771	-.000313
Stddev	.0025733	.0000985	.0000267	.8431	.0011683	.000208
%RSD	.7689662	51.81914	1.511347	.7960889	10.36015	66.35518
#1	.3330755	.0001970	.0017587	104.9369	.0120043	-.000421
#2	.3376128	.0000883	.0017936	106.4165	.0118975	-.000074
#3	.3332405	.0002849	.0017412	106.3772	.0099294	-.000444

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0290515	1.358055	1.029821	3.207159	.0104915	.0007308
Stddev	.0007702	.005726	.008384	.041691	.0000705	.0000889
%RSD	2.651128	.4216318	.8141684	1.299936	.6714486	12.16589
#1	.0281745	1.351972	1.020153	3.159549	.0104739	.0007770
#2	.0296179	1.358855	1.034218	3.237137	.0104315	.0007870
#3	.0293621	1.363340	1.035093	3.224791	.0105691	.0006283

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.297607	.0043631	.1739292	.4010715	F-77.6163	.0115824
Stddev	.052646	.0006868	.0031083	.0135844	.7523	.0003113
%RSD	2.291328	15.74089	1.787085	3.387019	.9692791	2.687615
#1	2.309198	.0051090	.1730849	.3893104	-77.2506	.0112372
#2	2.240131	.0042237	.1773723	.3979635	-77.1167	.0118418
#3	2.343491	.0037568	.1713302	.4159405	-78.4815	.0116682

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-12X10 Acquired: 11/14/2011 18:30:18 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC5D Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007207	222.4163	.3434398	-.000228	.0396176	2.053686
Stddev	.0000996	2.9248	.0082427	.000422	.0011493	.232830
%RSD	13.82598	1.315005	2.400030	185.4707	2.900999	11.33717
#1	.0008358	220.6062	.3518484	.000157	.0387321	2.103888
#2	.0006656	220.8522	.3353738	-.000679	.0409165	2.257320
#3	.0006609	225.7906	.3430972	-.000161	.0392044	1.799850

Elem	Sr4077
Units	ppm
Avg	F27.03313
Stddev	.24825
%RSD	.9183184
#1	26.98294
#2	27.30264
#3	26.81381

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	695.8015	8562.278	172948.3	35219.55	5582.026
Stddev	8.4602	47.408	1349.4	156.34	38.796
%RSD	1.215894	.5536880	.7802476	.4438883	.6950195
#1	692.6647	8557.959	174502.9	35146.72	5594.931
#2	689.3577	8611.698	172079.8	35112.92	5612.725
#3	705.3821	8517.177	172262.1	35399.02	5538.422

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-13X10 Acquired: 11/14/2011 18:33:42 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC5S Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0069177	.0047105	.0098938	.0105097	.0112281	2.365751
Stddev	.0017472	.0013573	.0008509	.0020982	.0006392	.015892
%RSD	25.25662	28.81449	8.600672	19.96491	5.692979	.6717704
#1	.0081240	.0062757	.0101982	.0081896	.0106099	2.347640
#2	.0077149	.0039978	.0105507	.0110652	.0118864	2.377365
#3	.0049141	.0038579	.0089325	.0122743	.0111880	2.372249

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5723587	.0061027	.0085292	92.36368	.0323072	.0611155
Stddev	.0014270	.0001545	.0002228	.91128	.0011730	.0012189
%RSD	.2493173	2.531295	2.612135	.9866173	3.630932	1.994434
#1	.5708458	.0059917	.0084882	91.33410	.0309527	.0605307
#2	.5736806	.0060373	.0083298	93.06664	.0329797	.0602992
#3	.5725497	.0062791	.0087697	92.69028	.0329891	.0625166

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0587099	1.328162	.9579962	2.845671	.0705977	.0084604
Stddev	.0021704	.008715	.0090381	.051797	.0011097	.0002936
%RSD	3.696788	.6561739	.9434339	1.820209	1.571893	3.470475
#1	.0610780	1.318887	.9477558	2.785920	.0700671	.0081953
#2	.0568154	1.336181	.9648589	2.873247	.0698529	.0087760
#3	.0582363	1.329418	.9613739	2.877846	.0718731	.0084099

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.972244	.0710876	.2058851	.3600714	F-68.3514	.0108934
Stddev	.074669	.0015929	.0015089	.0132960	.9235	.0023824
%RSD	3.785978	2.240721	.7328960	3.692589	1.351042	21.87008
#1	2.050880	.0704887	.2047482	.3447219	-68.0861	.0107674
#2	1.963547	.0728931	.2075970	.3680232	-67.5897	.0133364
#3	1.902304	.0698809	.2053101	.3674691	-69.3785	.0085766

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-13X10 Acquired: 11/14/2011 18:33:42 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC5S Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005578	208.7796	.3747181	-.001293	.0339204	2.025715
Stddev	.0001605	3.7224	.0036456	.000404	.0002659	.121722
%RSD	28.77093	1.782917	.9728904	31.22550	.7839080	6.008823
#1	.0004535	207.7288	.3789244	-.001753	.0341875	1.896701
#2	.0007426	205.6955	.3727576	-.001000	.0336557	2.138520
#3	.0004773	212.9143	.3724722	-.001125	.0339178	2.041924

Elem	Sr4077
Units	ppm
Avg	F24.52702
Stddev	.08419
%RSD	.3432469
#1	24.48489
#2	24.62396
#3	24.47222

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	699.0101	8632.327	171392.7	35295.41	5634.509
Stddev	.9046	103.230	481.0	159.55	78.724
%RSD	.1294152	1.195857	.2806401	.4520528	1.397171
#1	697.9790	8625.919	171421.2	35337.79	5645.483
#2	699.3804	8738.612	171858.8	35118.95	5707.171
#3	699.6708	8532.450	170898.0	35429.50	5550.875

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-11A Acquired: 11/14/2011 18:37:05 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC5A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0278321	-.006886	.3265203	.0856839	.1626363	26.93763
Stddev	.0017304	.000893	.0015938	.0021304	.0018401	.15709
%RSD	6.217185	12.97436	.4881246	2.486389	1.131445	.5831651
#1	.0260344	-.006488	.3283606	.0852708	.1605241	27.10682
#2	.0294861	-.007909	.3256099	.0837904	.1634923	26.79640
#3	.0279759	-.006261	.3255902	.0879907	.1638926	26.90967

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.45583	.0179917	.0704980	F1123.372	.3882646	.1620439
Stddev	.01338	.0003017	.0002178	4.196	.0079972	.0008944
%RSD	.1167658	1.677037	.3089609	.3735207	2.059718	.5519551
#1	11.47083	.0182290	.0707440	1128.202	.3794625	.1627136
#2	11.44513	.0176521	.0704202	1120.630	.3902478	.1623901
#3	11.45154	.0180940	.0703297	1121.283	.3950836	.1610282

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8732448	13.83575	10.29700	34.60487	.4026949	.0109990
Stddev	.0051301	.08774	.04796	.11441	.0010872	.0006043
%RSD	.5874733	.6341425	.4658101	.3306218	.2699859	5.494399
#1	.8788092	13.92771	10.34063	34.55174	.4037404	.0103012
#2	.8687031	13.75295	10.24564	34.52669	.4027740	.0113527
#3	.8722221	13.82660	10.30474	34.73619	.4015703	.0113431

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.75023	.2020217	5.574750	3.833829	F-876.352	.0906205
Stddev	.05785	.0022084	.034500	.036412	2.973	.0020146
%RSD	.2337427	1.093145	.6188585	.9497437	.3392454	2.223097
#1	24.73361	.2005061	5.613986	3.796102	-878.008	.0882975
#2	24.70250	.2010035	5.561101	3.836620	-878.128	.0918875
#3	24.81457	.2045555	5.549162	3.868764	-872.920	.0916767

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-11A Acquired: 11/14/2011 18:37:05 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC5A Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0076619	2701.531	4.134984	.0053910	.3875501	26.40641
Stddev	.0003743	5.186	.006468	.0006466	.0023454	.24512
%RSD	4.885094	.1919630	.1564121	11.99390	.6051869	.9282577
#1	.0080600	2704.983	4.138164	.0059682	.3900934	26.62479
#2	.0073171	2704.043	4.139246	.0046923	.3854725	26.45316
#3	.0076085	2695.568	4.127542	.0055126	.3870843	26.14128

Elem	Sr4077
Units	ppm
Avg	F289.0670
Stddev	2.7903
%RSD	.9652778
#1	292.2789
#2	287.2405
#3	287.6817

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	664.3570	7562.794	154856.7	34727.11	4650.143
Stddev	4.4223	35.832	3431.9	114.23	18.534
%RSD	.6656518	.4737956	2.216153	.3289274	.3985680
#1	659.7833	7538.180	158800.6	34595.38	4634.646
#2	664.6774	7546.299	153219.8	34798.70	4645.110
#3	668.6105	7603.903	152549.8	34787.27	4670.674

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-15X10 Acquired: 11/14/2011 18:40:34 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC7 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0070937	-.002484	.0217270	.0031348	.0026190	6.861999
Stddev	.0033917	.001330	.0003627	.0009199	.0007306	.028396
%RSD	47.81323	53.53691	1.669278	29.34304	27.89746	.4138173
#1	.0080042	-.001621	.0220536	.0032464	.0017881	6.869579
#2	.0099373	-.004016	.0217907	.0021643	.0029076	6.830582
#3	.0033397	-.001817	.0213367	.0039938	.0031612	6.885836

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8289536	.0003414	.0066462	132.1686	.0191822	.0020573
Stddev	.0032421	.0001521	.0000672	1.0158	.0010332	.0001448
%RSD	.3911104	44.54151	1.010984	.7685603	5.386024	7.040484
#1	.8310607	.0002441	.0066162	131.1885	.0197656	.0019217
#2	.8252202	.0002634	.0065993	132.1006	.0197918	.0020402
#3	.8305798	.0005166	.0067232	133.2167	.0179893	.0022099

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0542681	3.751233	1.863278	7.206172	.0142620	.0013511
Stddev	.0003565	.037130	.011809	.040480	.0000771	.0001461
%RSD	.6569513	.9898031	.6337560	.5617470	.5407992	10.81586
#1	.0546779	3.723040	1.852103	7.167561	.0142840	.0013045
#2	.0540973	3.737356	1.862098	7.202662	.0141763	.0015149
#3	.0540292	3.793302	1.875632	7.248293	.0143257	.0012340

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.653489	.0325737	.3544199	1.331303	F-223.277	.0324110
Stddev	.070455	.0005394	.0011963	.032334	2.053	.0010146
%RSD	1.246229	1.656037	.3375250	2.428757	.9194880	3.130405
#1	5.692544	.0323230	.3548695	1.310544	-224.264	.0329861
#2	5.572156	.0322053	.3553262	1.368558	-220.917	.0312395
#3	5.695768	.0331929	.3530640	1.314808	-224.650	.0330074

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-15X10 Acquired: 11/14/2011 18:40:34 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC7 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0079591	790.2713	.6172880	.0002285	.0853045	3.687793
Stddev	.0003417	5.8479	.0033427	.0003148	.0006545	.307639
%RSD	4.293695	.7399880	.5415172	137.7453	.7672710	8.342085
#1	.0077367	791.6684	.6210963	.0004872	.0860458	3.337420
#2	.0077880	783.8513	.6148394	-.000122	.0848065	3.812277
#3	.0083526	795.2941	.6159284	.000320	.0850613	3.913681

Elem	Sr4077
Units	ppm
Avg	F56.88556
Stddev	.49795
%RSD	.8753567
#1	57.22477
#2	56.31389
#3	57.11802

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	667.9949	8473.108	168485.3	34921.64	5514.991
Stddev	10.3862	95.610	1040.7	295.25	47.043
%RSD	1.554833	1.128393	.6176558	.8454717	.8530001
#1	658.3467	8381.404	167303.3	34581.02	5473.265
#2	666.6500	8572.196	169263.7	35079.45	5565.974
#3	678.9880	8465.725	168888.9	35104.46	5505.734

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-16X10 Acquired: 11/14/2011 18:43:53 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC8 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0040408	-.003554	.0545716	.0022450	.0030302	3.411003
Stddev	.0016310	.001224	.0015491	.0010987	.0007651	.031606
%RSD	40.36329	34.45383	2.838710	48.93785	25.24922	.9265923
#1	.0039097	-.002247	.0527830	.0030217	.0022272	3.390926
#2	.0057335	-.003739	.0554873	.0009880	.0037508	3.447435
#3	.0024793	-.004675	.0554446	.0027255	.0031126	3.394647

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3788204	.0004919	.0029877	197.9816	.0383762	.0037947
Stddev	.0033632	.0000776	.0000639	2.2694	.0011319	.0002363
%RSD	.8877991	15.76797	2.137620	1.146262	2.949483	6.225703
#1	.3793717	.0004040	.0029761	196.5567	.0377241	.0035362
#2	.3818738	.0005209	.0029304	200.5986	.0377214	.0038485
#3	.3752156	.0005508	.0030565	196.7894	.0396832	.0039993

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0849262	30.88870	.5915450	6.480470	.0706889	-.000563
Stddev	.0003772	.32901	.0085203	.107433	.0007803	.000166
%RSD	.4441811	1.065153	1.440356	1.657800	1.103849	29.46965
#1	.0846814	30.70778	.5865099	6.386730	.0699605	-.000747
#2	.0847364	31.26847	.6013825	6.597707	.0715124	-.000423
#3	.0853606	30.68984	.5867425	6.456973	.0705937	-.000520

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.102852	.0087747	.3820304	.4832579	F-151.423	.0126688
Stddev	.035810	.0006584	.0027404	.0186666	.372	.0000428
%RSD	.8727998	7.503671	.7173271	3.862659	.2457549	.3381160
#1	4.140759	.0080337	.3851057	.4890048	-151.535	.0126527
#2	4.098201	.0089978	.3798472	.4623935	-151.726	.0126363
#3	4.069594	.0092926	.3811383	.4983753	-151.007	.0127173

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-16X10 Acquired: 11/14/2011 18:43:53 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC8 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0074941	243.7909	.3931181	.0006233	.1046615	3.834464
Stddev	.0001945	.7639	.0098450	.0009970	.0009905	.116381
%RSD	2.595586	.3133573	2.504340	159.9590	.9463884	3.035124
#1	.0075592	243.1861	.4012758	-.000295	.1057324	3.968689
#2	.0072754	244.6494	.3958958	.001684	.1044739	3.773029
#3	.0076477	243.5373	.3821826	.000481	.1037783	3.761674

Elem	Sr4077
Units	ppm
Avg	F30.37739
Stddev	.22750
%RSD	.7488996
#1	30.37363
#2	30.60675
#3	30.15180

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	680.2899	8467.333	168030.7	34697.81	5423.950
Stddev	10.0778	27.236	508.5	507.64	1.123
%RSD	1.481401	.3216552	.3026449	1.463024	.0206978
#1	672.0030	8435.947	167586.8	34531.52	5423.851
#2	677.3581	8484.747	167919.8	34294.16	5422.880
#3	691.5085	8481.306	168585.6	35267.73	5425.119

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-17X10 Acquired: 11/14/2011 18:47:14 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC9 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0090547	-.001826	.0236973	.0051383	.0031241	8.016591
Stddev	.0026515	.001850	.0008999	.0002146	.0018561	.054089
%RSD	29.28329	101.2980	3.797617	4.177108	59.41327	.6747157
#1	.0070884	-.000782	.0233277	.0053130	.0045374	7.954141
#2	.0120702	-.003962	.0247232	.0052033	.0010220	8.048565
#3	.0080053	-.000735	.0230410	.0048987	.0038128	8.047069

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8433281	.0002862	.0075061	133.0839	.0222010	.0010230
Stddev	.0020123	.0001117	.0000757	1.7346	.0002347	.0001188
%RSD	.2386088	39.02501	1.008491	1.303403	1.057265	11.60727
#1	.8420904	.0003200	.0074212	131.0972	.0224588	.0009789
#2	.8456499	.0001615	.0075305	133.8562	.0219997	.0009327
#3	.8422438	.0003771	.0075666	134.2982	.0221444	.0011576

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0562342	4.886560	1.864470	8.278318	.0147260	.0012362
Stddev	.0015560	.069553	.023120	.139756	.0001520	.0001106
%RSD	2.767071	1.423347	1.240008	1.688213	1.031943	8.945337
#1	.0551911	4.806303	1.837779	8.121986	.0146235	.0013604
#2	.0580227	4.924109	1.878266	8.321818	.0146541	.0011996
#3	.0554888	4.929269	1.877366	8.391151	.0149006	.0011485

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.371196	.0379440	.3994059	1.497532	F-260.485	.0351143
Stddev	.049336	.0014724	.0036410	.009003	.432	.0031166
%RSD	.7743583	3.880553	.9116120	.6011613	.1659793	8.875440
#1	6.317326	.0382493	.3990650	1.495076	-260.311	.0315456
#2	6.414180	.0392398	.3959473	1.507508	-260.977	.0373000
#3	6.382082	.0363428	.4032054	1.490012	-260.166	.0364973

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-17X10 Acquired: 11/14/2011 18:47:14 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BC9 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0087576	820.0320	.6323705	.0014985	.0935549	3.851704
Stddev	.0000930	.4712	.0049439	.0002729	.0006389	.036228
%RSD	1.061490	.0574564	.7817992	18.21216	.6829300	.9405643
#1	.0086765	820.0711	.6275713	.0015281	.0928359	3.856920
#2	.0088590	819.5425	.6374473	.0017554	.0940573	3.813151
#3	.0087373	820.4824	.6320930	.0012120	.0937716	3.885042

Elem	Sr4077
Units	ppm
Avg	F59.68151
Stddev	.49688
%RSD	.8325523
#1	59.12340
#2	60.07577
#3	59.84536

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	691.3871	8518.367	170182.7	35592.89	5523.668
Stddev	4.3081	20.655	1099.2	258.17	13.849
%RSD	.6231148	.2424709	.6458828	.7253457	.2507148
#1	686.5642	8498.015	169510.7	35875.86	5507.773
#2	694.8544	8517.774	169586.3	35370.17	5533.127
#3	692.7426	8539.311	171451.2	35532.65	5530.105

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-18X10 Acquired: 11/14/2011 18:50:33 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BD0 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006008	-.002566	.0095030	.0044028	.0014106	2.278719
Stddev	.0011444	.000811	.0009252	.0012885	.0011259	.021210
%RSD	190.4991	31.61891	9.736382	29.26469	79.81560	.9308076
#1	.0018723	-.001762	.0092635	.0048941	.0003204	2.300131
#2	.0002764	-.002553	.0105244	.0029409	.0025690	2.257716
#3	-.000347	-.003385	.0087210	.0053732	.0013424	2.278310

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4537447	.0000026	.0015792	129.3179	.0176089	.0000820
Stddev	.0058377	.0000292	.0000604	1.1684	.0004814	.0000926
%RSD	1.286554	1107.010	3.823532	.9035319	2.733746	112.9246
#1	.4604220	.0000325	.0016219	130.6173	.0171216	.0001793
#2	.4496071	-.000026	.0016055	128.3538	.0180842	-.000005
#3	.4512050	.000001	.0015101	128.9826	.0176209	.000072

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0417489	2.980716	1.138885	3.163475	.0113382	.0009335
Stddev	.0008989	.029689	.012597	.036918	.0002845	.0001687
%RSD	2.153122	.9960356	1.106095	1.167002	2.509411	18.07371
#1	.0427196	3.013950	1.152891	3.201638	.0110166	.0008457
#2	.0415821	2.956816	1.128483	3.127943	.0115573	.0011280
#3	.0409451	2.971382	1.135280	3.160844	.0114407	.0008267

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.557889	.0056178	.1740821	.4052024	F-142.240	.0106562
Stddev	.007493	.0008764	.0037341	.0220164	.214	.0008864
%RSD	.2929375	15.59994	2.145035	5.433439	.1503181	8.318538
#1	2.566332	.0065812	.1782220	.3914965	-142.482	.0113567
#2	2.552030	.0048680	.1730559	.4305981	-142.161	.0096596
#3	2.555306	.0054041	.1709684	.3935126	-142.076	.0109523

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4462-18X10 Acquired: 11/14/2011 18:50:33 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MH3BD0 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006328	327.8805	.3023603	-.001079	.0456603	2.840140
Stddev	.0002931	.4733	.0101493	.000638	.0004841	.202846
%RSD	46.32641	.1443529	3.356687	59.10903	1.060284	7.142107
#1	.0004150	327.4204	.3136614	-.001454	.0460240	2.993014
#2	.0009661	327.8550	.2993973	-.000342	.0451108	2.917385
#3	.0005172	328.3660	.2940223	-.001439	.0458462	2.610019

Elem	Sr4077
Units	ppm
Avg	F34.35144
Stddev	.36018
%RSD	1.048503
#1	34.75884
#2	34.07532
#3	34.22015

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	689.4034	8571.000	171595.2	35639.91	5556.995
Stddev	16.2195	36.631	5906.2	702.08	14.570
%RSD	2.352686	.4273870	3.441924	1.969925	.2621838
#1	670.6750	8528.859	165625.8	34830.73	5541.684
#2	698.6853	8588.913	177436.1	36001.59	5570.689
#3	698.8500	8595.228	171723.7	36087.40	5558.611

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4509-14X10 Acquired: 11/14/2011 18:53:56 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R20 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0272242	.0008959	.0077852	-.000202	.0000818	5.326483	.0156251
Stddev	.0019883	.0017822	.0006352	.001031	.0002666	.175372	.0008272
%RSD	7.303398	198.9289	8.159387	510.9066	325.9181	3.292452	5.294315
#1	.0250486	.0029423	.0071096	-.000356	.0003564	5.528984	.0165730
#2	.0276771	-.000315	.0078756	-.001147	.0000650	5.224757	.0152531
#3	.0289471	.000060	.0083703	.000898	-.000176	5.225707	.0150492

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011428	.0018246	.6448242	.0259285	.0031340	.0091845	38.21492
Stddev	.0000022	.0000343	.0274275	.0012609	.0001603	.0001588	1.34869
%RSD	.1888972	1.881264	4.253483	4.862843	5.115002	1.729172	3.529212
#1	.0011431	.0018499	.6764791	.0270960	.0029540	.0093677	39.77130
#2	.0011448	.0017855	.6298585	.0245915	.0032615	.0091000	37.38956
#3	.0011405	.0018384	.6281349	.0260980	.0031865	.0090858	37.48390

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0838523	.5893025	.0047286	-.000879	.1807225	.0908036	.0457537
Stddev	.0031592	.0221300	.0003846	.000127	.0275763	.0031482	.0028740
%RSD	3.767567	3.755293	8.132613	14.42138	15.25894	3.467039	6.281533
#1	.0875000	.6148233	.0042854	-.000926	.1500980	.0944168	.0490578
#2	.0820670	.5754221	.0049259	-.000736	.1884807	.0893423	.0438333
#3	.0819900	.5776621	.0049744	-.000976	.2035887	.0886515	.0443699

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.098397	F-27.5549	.0100622	-.000538	6.680721	.2962372	-.004344
Stddev	.061677	.4920	.0013640	.000164	.237583	.0100133	.000516
%RSD	5.615188	1.785669	13.55581	30.53728	3.556254	3.380154	11.88756
#1	1.168326	-26.9869	.0092140	-.000622	6.408907	.3077649	-.004405
#2	1.051749	-27.8300	.0093371	-.000349	6.848781	.2912469	-.004828
#3	1.075115	-27.8479	.0116357	-.000644	6.784474	.2896996	-.003801

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4509-14X10 Acquired: 11/14/2011 18:53:56 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R20 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0758641	.6973402	.8948266
Stddev	.0027960	.0752176	.0291049
%RSD	3.685593	10.78636	3.252571
#1	.0790159	.6698139	.9272935
#2	.0736821	.7824435	.8710751
#3	.0748943	.6397633	.8861114

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	773.3657	9628.773	189109.3	38093.82	6402.532
Stddev	21.0129	206.753	2097.4	1058.20	114.318
%RSD	2.717070	2.147238	1.109103	2.777879	1.785512
#1	749.1029	9867.300	188726.1	36872.06	6534.430
#2	785.3299	9518.180	191371.9	38688.78	6341.128
#3	785.6643	9500.839	187229.9	38720.63	6332.037

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4509-15X10 Acquired: 11/14/2011 18:57:25 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R20 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0293811	.0009048	.0095879	-.001813	-.000559	6.664595	.0178897
Stddev	.0009924	.0000686	.0013317	.002174	.000458	.066960	.0002872
%RSD	3.377554	7.585467	13.88924	119.8998	81.93071	1.004710	1.605641
#1	.0285773	.0008301	.0098915	-.004295	-.001080	6.587293	.0176470
#2	.0290756	.0009192	.0081306	-.000902	-.000376	6.701853	.0182068
#3	.0304902	.0009651	.0107415	-.000243	-.000221	6.704639	.0178152

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015786	.0022344	.7685035	.0334961	.0041588	.0079067	46.79995
Stddev	.0000646	.0000975	.0176151	.0005931	.0001517	.0003393	.50230
%RSD	4.090450	4.365497	2.292136	1.770529	3.648286	4.291824	1.073287
#1	.0015815	.0023456	.7481647	.0330159	.0042789	.0079264	46.21997
#2	.0015126	.0021631	.7784640	.0341590	.0042091	.0082357	47.09426
#3	.0016417	.0021946	.7788817	.0333133	.0039883	.0075579	47.08563

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1214592	.6907684	.0066337	-.001436	.2847945	.1160222	.0518430
Stddev	.0009691	.0117601	.0001747	.000318	.0138402	.0006047	.0003332
%RSD	.7979051	1.702473	2.633314	22.11477	4.859719	.5212234	.6427717
#1	.1205979	.6831824	.0064323	-.001127	.3007352	.1153240	.0514845
#2	.1225086	.6848073	.0067442	-.001420	.2778101	.1163758	.0519013
#3	.1212711	.7043154	.0067245	-.001762	.2758382	.1163670	.0521433

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.254250	F-33.8991	.0122155	-.001040	8.306479	.2759127	-.004271
Stddev	.015072	.2209	.0022733	.000202	.313074	.0025747	.000384
%RSD	1.201678	.6515316	18.61038	19.45697	3.769035	.9331600	8.985490
#1	1.238490	-34.1538	.0125186	-.000845	8.631855	.2760103	-.004687
#2	1.268524	-33.7599	.0098058	-.001249	8.007361	.2784372	-.004195
#3	1.255738	-33.7836	.0143221	-.001026	8.280220	.2732906	-.003931

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4509-15X10 Acquired: 11/14/2011 18:57:25 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R20 Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.0841596	.7690946	1.180105
Stddev	.0010590	.2258524	.007361
%RSD	1.258330	29.36602	.6237378
#1	.0835944	.9967145	1.172288
#2	.0853813	.7655171	1.186903
#3	.0835032	.5450521	1.181123

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	760.7898	9337.960	185819.1	38254.97	6228.808
Stddev	9.9945	21.381	1221.8	342.20	17.325
%RSD	1.313696	.2289727	.6575205	.8945157	.2781426
#1	772.2982	9313.396	187227.3	38620.36	6210.778
#2	754.2897	9352.393	185190.3	37942.02	6230.316
#3	755.7815	9348.092	185039.8	38202.53	6245.329

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4438-03A Acquired: 11/14/2011 19:07:35 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R91A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0121125	-.002864	.1766547	.0046435	.1415109	15.32940	.1570862
Stddev	.0022260	.001722	.0019804	.0012274	.0009156	.02890	.0006312
%RSD	18.37753	60.11601	1.121062	26.43154	.6470555	.1885183	.4017945
#1	.0096939	-.001196	.1755341	.0032302	.1405956	15.31322	.1565176
#2	.0125684	-.002762	.1789414	.0052587	.1415102	15.36277	.1577653
#3	.0140753	-.004635	.1754887	.0054416	.1424269	15.31221	.1569758

Elem	Be2348	Cd2144	Ca3736	Cr2677	Co2286	Cu3247	Fe2598
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018459	.0024681	1.737476	.0395956	.0120563	.0359613	24.67057
Stddev	.0001353	.0000381	.003580	.0008791	.0001266	.0005050	.03363
%RSD	7.331551	1.544489	.2060739	2.220228	1.049729	1.404342	.1363332
#1	.0020022	.0024925	1.733502	.0388835	.0121969	.0353782	24.65774
#2	.0017679	.0024877	1.738474	.0393252	.0120206	.0362489	24.70873
#3	.0017677	.0024242	1.740452	.0405782	.0119515	.0362568	24.64523

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na8183	V_2924	Zn2138
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1239440	2.433398	.0379503	-.000650	.3914386	.0733424	.1956894
Stddev	.0002640	.028726	.0002043	.000119	.0295030	.0006790	.0025577
%RSD	.2129902	1.180486	.5383604	18.25238	7.537069	.9257329	1.307021
#1	.1237229	2.400230	.0381102	-.000568	.4252535	.0726569	.1934701
#2	.1238728	2.449671	.0377202	-.000786	.3781149	.0733557	.1951115
#3	.1242362	2.450292	.0380206	-.000596	.3709474	.0740146	.1984866

Elem	K_7698	P_1774	B_2496	Mo2020	S_1820	Si2516	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.983865	F-70.9266	.0209369	.0015822	174.8617	3.094826	.0011411
Stddev	.021103	.1122	.0015797	.0001243	.6941	.016578	.0002954
%RSD	1.063748	.1581631	7.544971	7.857574	.3969292	.5356586	25.88789
#1	2.005577	-70.9938	.0211758	.0016882	174.3486	3.076274	.0010806
#2	1.963428	-70.7971	.0223837	.0016129	175.6514	3.100016	.0008806
#3	1.982590	-70.9890	.0192515	.0014454	174.5850	3.108188	.0014621

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4438-03A Acquired: 11/14/2011 19:07:35 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R91A Custom ID2: Custom ID3:
Comment:

Elem	Ti3361	Li6707	Sr4077
Units	ppm	ppm	ppm
Avg	.5170483	7.438071	3.631778
Stddev	.0022024	.071817	.007612
%RSD	.4259584	.9655347	.2095825
#1	.5165121	7.502617	3.622999
#2	.5194693	7.360709	3.636543
#3	.5151635	7.450887	3.635791

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	739.0461	9024.305	183435.2	37294.98	6079.962
Stddev	1.4233	17.098	352.2	37.37	8.713
%RSD	.1925920	.1894676	.1919957	.1001945	.1433005
#1	739.0036	9009.405	183528.7	37296.60	6077.579
#2	740.4902	9042.973	183045.7	37256.82	6072.689
#3	737.6445	9020.539	183731.2	37331.51	6089.619

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4447-18A Acquired: 11/14/2011 19:10:58 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RG3A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0348958	-.002944	.0497437	.0643983	.1429816	54.54369
Stddev	.0036119	.000789	.0016822	.0023388	.0011898	.72857
%RSD	10.35048	26.78969	3.381839	3.631736	.8321603	1.335757
#1	.0388120	-.002036	.0490878	.0617000	.1417720	54.09073
#2	.0341801	-.003336	.0516551	.0656523	.1441506	54.15622
#3	.0316954	-.003459	.0484882	.0658427	.1430222	55.38412

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3710040	.0043636	.0058354	11.69244	.1512189	.0439614
Stddev	.0049653	.0002814	.0000575	.21775	.0012797	.0000802
%RSD	1.338338	6.447964	.9853883	1.862278	.8462735	.1823494
#1	.3670871	.0042203	.0058985	11.48093	.1519661	.0438721
#2	.3693365	.0041827	.0058215	11.68048	.1519494	.0440273
#3	.3765884	.0046878	.0057860	11.91593	.1497412	.0439846

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0461917	113.8389	2.063461	21.67286	.0932248	-.003096
Stddev	.0016223	1.8105	.033148	.41639	.0001134	.000288
%RSD	3.512159	1.590395	1.606449	1.921269	.1216740	9.285902
#1	.0445331	112.3758	2.032646	21.26683	.0933163	-.003322
#2	.0477752	113.2773	2.059206	21.65284	.0930978	-.003195
#3	.0462667	115.8637	2.098532	22.09890	.0932602	-.002773

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.428152	.1577366	.3161188	8.747189	F-310.213	.0425794
Stddev	.027396	.0019074	.0008924	.101811	.257	.0027607
%RSD	1.918298	1.209242	.2823060	1.163929	.0829386	6.483695
#1	1.454295	.1558697	.3158601	8.661511	-309.928	.0393967
#2	1.430507	.1576578	.3153843	8.720315	-310.283	.0443274
#3	1.399655	.1596821	.3171120	8.859742	-310.428	.0440141

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4447-18A Acquired: 11/14/2011 19:10:58 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RG3A Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000103	484.2040	1.992176	-.002217	2.584431	40.69224
Stddev	.000396	.3015	.029696	.000453	.031260	.41143
%RSD	385.9531	.0622619	1.490615	20.44924	1.209550	1.011071
#1	.000013	483.8935	1.966261	-.001850	2.562366	40.65440
#2	.000223	484.2228	1.985688	-.002724	2.570724	40.30103
#3	-.000543	484.4956	2.024579	-.002077	2.620203	41.12127

Elem	Sr4077
Units	ppm
Avg	F 14.12862
Stddev	.16505
%RSD	1.168182
#1	13.99605
#2	14.07634
#3	14.31348

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	727.2841	8860.696	178088.7	37133.99	5700.895
Stddev	2.7508	9.210	755.0	449.70	4.296
%RSD	.3782242	.1039429	.4239621	1.211030	.0753619
#1	726.8832	8856.844	177431.9	37573.66	5695.964
#2	730.2133	8871.206	178913.6	37153.43	5702.886
#3	724.7558	8854.037	177920.5	36674.88	5703.834

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-15A Acquired: 11/14/2011 19:14:17 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RH8A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3811900	-.007795	.8982280	.0765045	.1612791	77.56403
Stddev	.0014304	.000491	.0038336	.0012638	.0011191	.22582
%RSD	.3752492	6.301293	.4267966	1.651967	.6939138	.2911430
#1	.3798473	-.007878	.9025601	.0778352	.1602627	77.77173
#2	.3810283	-.008240	.8952739	.0763578	.1610960	77.32365
#3	.3826944	-.007268	.8968499	.0753204	.1624784	77.59670

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9147348	.0467116	.0345024	14.04898	1.889016	.2829972
Stddev	.0034647	.0002043	.0002355	.04093	.042962	.0012722
%RSD	.3787680	.4373232	.6824119	.2913371	2.274284	.4495475
#1	.9178198	.0468826	.0347742	14.08411	1.936643	.2844661
#2	.9109863	.0467667	.0343611	14.00403	1.877222	.2822728
#3	.9153984	.0464854	.0343719	14.05881	1.853184	.2822526

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.616530	148.0973	2.362551	18.58216	.6281568	.0083831
Stddev	.007662	.8895	.008672	.08113	.0019734	.0002923
%RSD	.4739972	.6005913	.3670568	.4366252	.3141580	3.487125
#1	1.622232	148.9092	2.369566	18.67488	.6300377	.0085594
#2	1.607820	147.1466	2.352856	18.52414	.6261024	.0080457
#3	1.619538	148.2361	2.365233	18.54747	.6283305	.0085442

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.553030	1.310817	3.048235	7.207263	F-829.246	.0412249
Stddev	.021441	.004078	.015801	.049623	2.640	.0017619
%RSD	1.380586	.3110931	.5183638	.6885159	.3183302	4.273918
#1	1.577624	1.314445	3.056437	7.264491	-832.224	.0430567
#2	1.538270	1.306404	3.030020	7.181133	-827.192	.0410755
#3	1.543196	1.311601	3.058249	7.176165	-828.323	.0395424

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4499-15A Acquired: 11/14/2011 19:14:17 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9RH8A Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0080042	1819.553	2.560810	.0510246	3.851711	43.06848
Stddev	.0002024	3.491	.007811	.0011918	.010200	.01566
%RSD	2.529135	.1918488	.3050379	2.335814	.2648258	.0363621
#1	.0079655	1823.584	2.569735	.0523566	3.861912	43.06943
#2	.0078240	1817.552	2.557472	.0500590	3.851711	43.08364
#3	.0082232	1817.524	2.555221	.0506580	3.841511	43.05236

Elem	Sr4077
Units	ppm
Avg	F31.17147
Stddev	.32438
%RSD	1.040622
#1	31.49928
#2	30.85064
#3	31.16450

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	732.8289	8821.638	176667.8	38240.50	5619.422
Stddev	7.0308	31.489	5210.3	360.01	20.313
%RSD	.9594010	.3569491	2.949222	.9414349	.3614861
#1	725.3988	8786.852	170741.0	37832.63	5595.972
#2	739.3771	8848.197	178735.5	38514.01	5631.621
#3	733.7108	8829.865	180526.9	38374.85	5630.671

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4508-06A Acquired: 11/14/2011 19:17:28 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9QZ5A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3368996	-.007063	.7587552	.0064253	.1409958	118.9766
Stddev	.0044516	.002943	.0058173	.0009385	.0006773	.4863
%RSD	1.321333	41.67319	.7666861	14.60633	.4803576	.4087192
#1	.3414531	-.005942	.7545364	.0053749	.1412013	118.6930
#2	.3366883	-.004845	.7653914	.0067196	.1415465	119.5381
#3	.3325575	-.010402	.7563379	.0071814	.1402395	118.6987

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.576672	.0134774	.0342685	47.92662	.5832452	.1035234
Stddev	.010933	.0002939	.0001101	.33516	.0135073	.0002277
%RSD	.6934233	2.180724	.3211906	.6993221	2.315895	.2199352
#1	1.578748	.0135305	.0341710	47.88595	.5756550	.1033669
#2	1.586418	.0137411	.0343878	48.28026	.5752403	.1037846
#3	1.564850	.0131605	.0342466	47.61365	.5988403	.1034187

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.369083	260.2016	4.661450	28.94177	.2434075	-.002784
Stddev	.006104	1.6293	.023111	.07433	.0009842	.000250
%RSD	.4458458	.6261522	.4957948	.2568198	.4043218	8.981996
#1	1.364283	258.9453	4.653806	28.90394	.2431052	-.002533
#2	1.375953	262.0425	4.687415	29.02740	.2445073	-.002786
#3	1.367014	259.6170	4.643130	28.89396	.2426099	-.003034

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.634472	.4115307	7.783692	7.728333	F-1001.13	.0835096
Stddev	.072500	.0017641	.015668	.027192	3.88	.0029875
%RSD	1.994796	.4286577	.2012886	.3518542	.3880592	3.577447
#1	3.646947	.4103867	7.799060	7.732181	-1004.01	.0800851
#2	3.556544	.4135622	7.767741	7.753396	-1002.67	.0848619
#3	3.699926	.4106431	7.784277	7.699421	-996.71	.0855819

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4508-06A Acquired: 11/14/2011 19:17:28 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9QZ5A Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0083523	5690.638	4.720311	.0428607	3.050433	56.41839
Stddev	.0002521	16.321	.028743	.0004338	.008895	.28722
%RSD	3.018394	.2868067	.6089318	1.012053	.2916013	.5090972
#1	.0082285	5680.418	4.740784	.0428372	3.048477	56.20582
#2	.0081860	5709.461	4.732697	.0433057	3.060144	56.74515
#3	.0086423	5682.034	4.687450	.0424391	3.042679	56.30421

Elem	Sr4077
Units	ppm
Avg	F69.72705
Stddev	.71392
%RSD	1.023875
#1	69.54352
#2	70.51481
#3	69.12281

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	719.3849	8615.815	174625.2	37848.04	5416.311
Stddev	7.9441	55.928	1980.3	364.92	16.754
%RSD	1.104285	.6491353	1.134027	.9641614	.3093269
#1	712.1878	8563.401	174913.8	37700.34	5405.565
#2	718.0580	8609.348	176445.4	37580.12	5407.752
#3	727.9088	8674.695	172516.5	38263.65	5435.615

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4509-10A Acquired: 11/14/2011 19:20:42 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R18A Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0709469	-.002517	.7323952	.0687652	.1464761	46.49403
Stddev	.0017991	.001103	.0018802	.0021766	.0007494	.31222
%RSD	2.535772	43.84378	.2567227	3.165266	.5116126	.6715182
#1	.0705968	-.001417	.7343470	.0670382	.1460730	46.26711
#2	.0728952	-.003624	.7322430	.0680473	.1473408	46.36488
#3	.0693485	-.002509	.7305958	.0712100	.1460145	46.85010

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5361438	.0209322	.0213018	8.822049	1.371692	.1874417
Stddev	.0006629	.0002903	.0001782	.111898	.007104	.0010919
%RSD	.1236494	1.386768	.8364639	1.268390	.5178990	.5825176
#1	.5358154	.0207911	.0214622	8.711710	1.375685	.1886029
#2	.5357092	.0207393	.0213332	8.818993	1.363490	.1872867
#3	.5369069	.0212660	.0211100	8.935443	1.375901	.1864357

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4084093	80.11196	.9360440	12.51170	.3705305	.0084559
Stddev	.0017111	.76047	.0112057	.20873	.0008259	.0000825
%RSD	.4189578	.9492626	1.197138	1.668252	.2229028	.9759714
#1	.4098136	79.38502	.9259336	12.29475	.3714685	.0085022
#2	.4089107	80.04884	.9341062	12.52926	.3699120	.0083606
#3	.4065035	80.90203	.9480923	12.71110	.3702111	.0085048

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.221661	.2191766	2.287789	4.116142	F-374.653	.0271615
Stddev	.031726	.0005173	.012173	.016101	1.852	.0026869
%RSD	2.596970	.2360402	.5320924	.3911594	.4943943	9.892371
#1	1.187885	.2189314	2.283518	4.115941	-376.273	.0243001
#2	1.226264	.2188275	2.278327	4.132342	-375.053	.0296309
#3	1.250834	.2197710	2.301522	4.100142	-372.634	.0275536

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: C4509-10A Acquired: 11/14/2011 19:20:42 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MB9R18A Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0050468	1492.668	2.543687	.0327265	1.911262	31.02340
Stddev	.0001947	5.386	.013661	.0000913	.013466	.10027
%RSD	3.858174	.3608383	.5370434	.2789921	.7045725	.3231942
#1	.0050606	1498.884	2.530780	.0327442	1.901038	31.13591
#2	.0048455	1489.713	2.542288	.0328076	1.906230	30.94349
#3	.0052342	1489.405	2.557994	.0326276	1.926520	30.99081

Elem	Sr4077
Units	ppm
Avg	F 16.17555
Stddev	.05707
%RSD	.3528134
#1	16.12879
#2	16.15872
#3	16.23915

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	719.1767	8912.661	179814.8	37322.79	5805.762
Stddev	4.3244	36.809	1916.6	95.25	26.751
%RSD	.6012944	.4129986	1.065874	.2551997	.4607616
#1	714.9770	8870.318	177620.1	37392.74	5775.628
#2	718.9371	8930.631	180665.6	37361.32	5814.951
#3	723.6158	8937.033	181158.8	37214.32	5826.708

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: CCV Acquired: 11/14/2011 19:23:55 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV27 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.716331	4.776014	23.51190	4.744708	4.759635	145.6314
Stddev	.109927	.110251	.53614	.112452	.112574	.3936
%RSD	2.330764	2.308433	2.280299	2.370052	2.365172	.2703045
#1	4.666907	4.728633	23.24600	4.697138	4.710252	145.3571
#2	4.842294	4.902036	24.12902	4.873127	4.888460	146.0824
#3	4.639792	4.697374	23.16068	4.663860	4.680193	145.4547

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.717046	.4639009	2.351991	238.4771	14.35562	2.367459
Stddev	.033262	.0014005	.060102	.5760	.15541	.055790
%RSD	.3423074	.3018958	2.555359	.2415485	1.082571	2.356537
#1	9.716455	.4629788	2.313587	237.8878	14.22873	2.340486
#2	9.750600	.4655125	2.421254	239.0389	14.30916	2.431610
#3	9.684083	.4632114	2.321133	238.5045	14.52896	2.330281

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.39308	138.4895	14.08776	225.6649	2.375417	1.171308
Stddev	.04652	.6035	.01358	.2572	.056721	.014760
%RSD	.3231980	.4357469	.0963847	.1139621	2.387824	1.260099
#1	14.37431	137.9855	14.07639	225.4255	2.345173	1.161148
#2	14.44605	139.1582	14.10280	225.6325	2.440850	1.164538
#3	14.35888	138.3247	14.08410	225.9368	2.340228	1.188238

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	142.3833	2.357038	13.91953	140.2894	F-185.338	4.769888
Stddev	.4284	.003780	.07206	.1606	3.828	.005320
%RSD	.3008899	.1603581	.5177210	.1144575	2.065483	.1115367
#1	142.3175	2.354061	13.98875	140.2919	-183.857	4.772146
#2	142.8409	2.361291	13.84492	140.4487	-189.685	4.773707
#3	141.9916	2.355764	13.92492	140.1275	-182.471	4.763811

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: CCV Acquired: 11/14/2011 19:23:55 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV27 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.939514	217.3927	5.040356	4.833406	4.814007	F804.7487
Stddev	.122483	5.4086	.011579	.119605	.013482	3.8224
%RSD	2.479656	2.487942	.2297268	2.474551	.2800542	.4749865
#1	4.876156	215.4180	5.033922	4.759998	4.813510	803.8481
#2	5.080698	223.5112	5.053724	4.971421	4.827730	808.9410
#3	4.861688	213.2490	5.033423	4.768801	4.800780	801.4570

Elem	Sr4077
Units	ppm
Avg	F448.0294
Stddev	2.9303
%RSD	.6540430
#1	444.6930
#2	449.2099
#3	450.1854

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	655.4446	7768.546	156922.1	34339.58	4653.562
Stddev	5.4354	164.618	1337.4	105.08	92.979
%RSD	.8292679	2.119027	.8522677	.3059900	1.998018
#1	649.1767	7825.486	157818.7	34236.04	4685.469
#2	658.8573	7583.018	157562.6	34336.57	4548.831
#3	658.3000	7897.135	155384.9	34446.13	4726.387

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: CCB Acquired: 11/14/2011 19:27:14 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB27 Custom ID2: Custom ID3:
Comment:

Elem	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.002265	.0020476	.0005965	.0020836	.0004119	.0099206
Stddev	.001913	.0016734	.0005734	.0032843	.0008131	.0067018
%RSD	84.47117	81.72292	96.12272	157.6263	197.4364	67.55469
#1	-.001444	.0022319	-.000056	-.001001	.0005087	.0160864
#2	-.004451	.0036212	.001020	.005536	-.000445	.0108876
#3	-.000899	.0002897	.000825	.001716	.001172	.0027878

Elem	Ba4934	Be2348	Cd2144	Ca3736	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.000025	.0000388	-.000034	-.005345	.0001557	-.000082
Stddev	.000189	.0000208	.000043	.001309	.0008850	.000149
%RSD	752.7234	53.54429	125.7654	24.49035	568.2691	181.3159
#1	.000192	.0000161	-.000076	-.006255	.0009963	.000046
#2	-.000115	.0000569	-.000038	-.003845	.0002388	-.000046
#3	-.000152	.0000434	.000011	-.005934	-.000768	-.000245

Elem	Cu3247	Fe2598	Mn2576	Mg2790	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002592	.0172827	.0002673	.0086657	-.000139	-.000347
Stddev	.0009073	.0192556	.0000362	.0039851	.000143	.000033
%RSD	350.0579	111.4155	13.52831	45.98642	102.7755	9.417520
#1	.0012426	.0391876	.0003046	.0124347	-.000115	-.000334
#2	-.000546	.0096332	.0002324	.0090675	-.000293	-.000323
#3	.000081	.0030273	.0002651	.0044950	-.000010	-.000384

Elem	Na8183	V_2924	Zn2138	K_7698	P_1774	B_2496
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0350793	.0014840	.0000543	.1532895	.1760953	.0087632
Stddev	.0664626	.0007419	.0004439	.0362476	.0867375	.0041394
%RSD	189.4638	49.99407	817.2691	23.64649	49.25603	47.23588
#1	-.017042	.0020582	-.000458	.1114365	.0919936	.0095572
#2	.012357	.0017476	.000290	.1745830	.2652480	.0042843
#3	.109923	.0006463	.000331	.1738490	.1710442	.0124480

Reviewed By:danuta
On:11/15/2011
10:32:25 AM
Inst Id :P5

Sample Name: CCB Acquired: 11/14/2011 19:27:14 Type: Unk
Method: ISM01.3 INSTRUMENT P5(v5) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB27 Custom ID2: Custom ID3:
Comment:

Elem	Mo2020	S_1820	Si2516	Sn1899	Ti3361	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0033869	.3760124	-.023125	.0006136	.0018451	F.1779417
Stddev	.0010556	.0364241	.004554	.0001166	.0012969	.1462141
%RSD	31.16819	9.686935	19.69259	18.99484	70.28614	82.16970
#1	.0044068	.3562726	-.017948	.0006316	.0026832	.2762590
#2	.0034552	.3537191	-.026511	.0007201	.0003513	.2476478
#3	.0022988	.4180454	-.024917	.0004891	.0025008	.0099182

Elem	Sr4077
Units	ppm
Avg	F-.015567
Stddev	.004580
%RSD	29.42199
#1	-.010334
#2	-.018848
#3	-.017519

Int. Std.	Y_2243	Y_2243	Y_3600	Y_3710	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	703.9137	9007.308	178898.0	35494.85	6138.374
Stddev	13.2578	50.688	842.3	266.99	32.425
%RSD	1.883435	.5627437	.4708217	.7521864	.5282298
#1	688.7617	8948.788	177925.5	35239.38	6101.269
#2	709.5970	9037.493	179392.8	35473.16	6161.256
#3	713.3823	9035.642	179375.8	35772.03	6152.599

CHEMTECH

Instrument ID: P5

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Daily Analysis Runlog For Sequence/QCBatch ID # LB57809

Review By danuta Review On 11/15/2011 10:31:03 AM

STD. NAME	STD REF.#
ICAL Standard	MP8356,MP7877,MP7896,MP7895,MP7894,MP7890
ICV Standard	MP8357
CCV Standard	MP7812
ICSA Standard	MP8358,MP8359
CRI Standard	
LCS Standard	
Chk Standard	

Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	S0	S0	CAL1	11/13/11 11:30		OK
2	S1	S	CAL2	11/13/11 11:34		OK
3	S2	S	CAL3	11/13/11 11:37		OK
4	S3	S	CAL4	11/13/11 11:40		OK
5	S4	S	CAL5	11/13/11 11:43		OK
6	S5	S	CAL6	11/13/11 11:47		OK
7	ICV19	ICV19	ICV	11/13/11 12:10		OK
8	ICB19	ICB19	ICB	11/13/11 12:13		OK
9	ICSA19	ICSA19	ICSA	11/13/11 12:17		OK
10	ICSAB19	ICSAB19	ICSAB	11/13/11 12:20		OK
11	CCV14	CCV14	CCV	11/13/11 12:23		OK
12	CCB14	CCB14	CCB	11/13/11 12:27		OK
13	C4383-04	MA3XA7	SAM	11/13/11 12:41	Do not use	OK
14	C4383-05	MA3XA7D	DUP	11/13/11 12:44	Do not use	OK
15	C4383-04L	MA3XA7L	SD	11/13/11 12:48	Do not use	OK
16	C4383-06	MA3XA7S	MS	11/13/11 12:51	Do not use	OK
17	C4383-07	MA3XA8	SAM	11/13/11 12:54	Do not use	OK
18	C4383-08	MA3XA9	SAM	11/13/11 12:58	Do not use	OK
19	C4383-14	MA3XB5	SAM	11/13/11 13:01	Do not use	OK
20	C4383-17	MA3XB8	SAM	11/13/11 13:04	Do not use	OK
21	CCV15	CCV15	CCV	11/13/11 13:08		OK

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Instrument ID: P5

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Daily Analysis Runlog For Sequence/QCBatch ID # LB57809

Review By danuta Review On 11/15/2011 10:31:03 AM

STD. NAME	STD REF.#
ICAL Standard	MP8356,MP7877,MP7896,MP7895,MP7894,MP7890
ICV Standard	MP8357
CCV Standard	MP7812
ICSA Standard	MP8358,MP8359
CRI Standard	
LCS Standard	
Chk Standard	

22	CCB15	CCB15	CCB	11/13/11 13:11		OK
23	CCV16	CCB15	CCV	11/13/11 13:37		OK
24	CCB16	CCB16	CCB	11/13/11 13:40		OK
25	PB59135BL	PBS01	MB	11/13/11 13:44		OK
26	PB59135BS	LCS01	LCS	11/13/11 13:47		OK
27	C4462-01	MH30S4	SAM	11/13/11 13:50	Ca result is high	OK
28	C4462-02	MH30S5	SAM	11/13/11 13:54	Ca result is high	OK
29	C4462-03	MH3BB7	SAM	11/13/11 13:57	Ca result is high	OK
30	C4462-04	MH3BB8	SAM	11/13/11 14:00	Ca result is high	OK
31	C4462-05	MH3BB9	SAM	11/13/11 14:04	Ca result is high	OK
32	C4462-06	MH3BC0	SAM	11/13/11 14:07	Ca result is high	OK
33	C4462-07	MH3BC1	SAM	11/13/11 14:11	Ca result is high	OK
34	C4462-08	MH3BC2	SAM	11/13/11 14:14	Ca result is high	OK
35	C4462-09	MH3BC3	SAM	11/13/11 14:18	Ca result is high	OK
36	C4462-10	MH3BC4	SAM	11/13/11 14:21	Ca result is high	OK
37	C4462-11	MH3BC5	SAM	11/13/11 14:24	Ca result is high	OK
38	C4462-11L	MH3BC5L	SD	11/13/11 14:28	Ca result is high	OK
39	C4462-12	MH3BC5D	DUP	11/13/11 14:31	Ca result is high	OK
40	C4462-13	MH3BC5S	MS	11/13/11 14:34	Ca result is high	OK
41	C4462-14	MH3BC6	SAM	11/13/11 14:38		OK
42	C4462-15	MH3BC7	SAM	11/13/11 14:41	Ca result is high	OK
43	C4462-16	MH3BC8	SAM	11/13/11 14:45	Ca and Fe result is high	OK

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CCV Standard	MP7812
ICSA Standard	MP8358,MP8359
CRI Standard	
LCS Standard	
Chk Standard	

44	C4462-17	MH3BC9	SAM	11/13/11 14:48	Ca result is high	OK
45	C4462-18	MH3BD0	SAM	11/13/11 14:52	Ca result is high	OK
46	CCV17	CCV17	CCV	11/13/11 14:55		OK
47	CCB17	CCB17	CCB	11/13/11 14:59		OK
48	PB59139BL	PBS01	MB	11/13/11 15:02		OK
49	PB59139BS	LCS01	LCS	11/13/11 15:05		OK
50	C4438-01	MB9QL8	SAM	11/13/11 15:09		OK
51	C4438-02	MB9QL9	SAM	11/13/11 15:12		OK
52	C4438-03	MB9R91	SAM	11/13/11 15:15		OK
53	C4438-03L	MB9R91L	SD	11/13/11 15:19		OK
54	C4438-04	MB9R91D	DUP	11/13/11 15:22		OK
55	C4438-05	MB9R91S	MS	11/13/11 15:26		OK
56	C4438-06	MB9R92	SAM	11/13/11 15:29		OK
57	C4438-07	MB9R93	SAM	11/13/11 15:32		OK
58	C4438-08	MB9R94	SAM	11/13/11 15:36		OK
59	C4438-09	MB9R95	SAM	11/13/11 15:39		OK
60	C4438-10	MB9R96	SAM	11/13/11 15:42		OK
61	C4438-11	MB9R97	SAM	11/13/11 15:46		OK
62	C4438-12	MB9R98	SAM	11/13/11 15:49		OK
63	C4438-13	MB9R99	SAM	11/13/11 15:52		OK
64	C4438-14	MB9RA0	SAM	11/13/11 15:56		OK
65	C4438-15	MB9RE4	SAM	11/13/11 15:59		OK

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ICV Standard	MP8357
CCV Standard	MP7812
ICSA Standard	MP8358,MP8359
CRI Standard	
LCS Standard	
Chk Standard	

66	C4438-16	MB9RE5	SAM	11/13/11 16:02		OK
67	C4438-17	MB9RE6	SAM	11/13/11 16:06		OK
68	C4438-18	MB9RE7	SAM	11/13/11 16:09		OK
69	C4438-19	MB9RE8	SAM	11/13/11 16:12		OK
70	C4438-20	MB9RG7	SAM	11/13/11 16:15		OK
71	C4438-21	MB9RG8	SAM	11/13/11 16:19		OK
72	C4438-22	MB9RG9	SAM	11/13/11 16:22		OK
73	CCV18	CCV18	CCV	11/13/11 16:25		OK
74	CCB18	CCB18	CCB	11/13/11 16:29		OK
75	PB59138BL	PBS01	MB	11/13/11 16:32		OK
76	PB59138BS	LCS01	LCS	11/13/11 16:35		OK
77	C4447-01	MB9RH0	SAM	11/13/11 16:39		OK
78	C4447-02	MB9RH1	SAM	11/13/11 16:42		OK
79	C4447-03	MB9RH2	SAM	11/13/11 16:45		OK
80	C4447-04	MB9RE9	SAM	11/13/11 16:49		OK
81	C4447-05	MB9RF0	SAM	11/13/11 16:52		OK
82	C4447-06	MB9RF1	SAM	11/13/11 16:55		OK
83	C4447-07	MB9RF2	SAM	11/13/11 16:59		OK
84	C4447-08	MB9RF3	SAM	11/13/11 17:02		OK
85	C4447-09	MB9RF4	SAM	11/13/11 17:05		OK
86	C4447-10	MB9RF5	SAM	11/13/11 17:09		OK
87	C4447-11	MB9RF6	SAM	11/13/11 17:12		OK

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ICV Standard	MP8357
CCV Standard	MP7812
ICSA Standard	MP8358,MP8359
CRI Standard	
LCS Standard	
Chk Standard	

88	C4447-12	MB9RF7	SAM	11/13/11 17:15		OK
89	C4447-13	MB9RF8	SAM	11/13/11 17:19		OK
90	C4447-14	MB9RF9	SAM	11/13/11 17:22		OK
91	C4447-15	MB9RG0	SAM	11/13/11 17:25		OK
92	C4447-16	MB9RG1	SAM	11/13/11 17:29		OK
93	C4447-17	MB9RG2	SAM	11/13/11 17:32		OK
94	C4447-18	MB9RG3	SAM	11/13/11 17:35		OK
95	C4447-18L	MB9RG3L	SD	11/13/11 17:39		OK
96	C4447-19	MB9RG3D	DUP	11/13/11 17:42		OK
97	C4447-20	MB9RG3S	MS	11/13/11 17:45		OK
98	CCV19	CCV19	CCV	11/13/11 17:49		OK
99	CCB19	CCB19	CCB	11/13/11 17:52		OK
100	PB59103BL	PBW01	MB	11/13/11 17:55		OK
101	PB59103BS	LCS01	LCS	11/13/11 17:59		OK
102	C4391-18	MB9T99	SAM	11/13/11 18:02		OK
103	C4481-01	MB9TA1	SAM	11/13/11 18:06		OK
104	C4481-02	MB9TA7	SAM	11/13/11 18:09		OK
105	C4481-03	MB9TC9	SAM	11/13/11 18:12		OK
106	C4481-04	MB9TA2	SAM	11/13/11 18:16		OK
107	C4481-05	MB9TC1	SAM	11/13/11 18:19		OK
108	C4481-05L	MB9TC1L	SD	11/13/11 18:22		OK
109	C4481-06	MB9TC1D	DUP	11/13/11 18:26		OK

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ICV Standard	MP8357
CCV Standard	MP7812
ICSA Standard	MP8358,MP8359
CRI Standard	
LCS Standard	
Chk Standard	

110	C4481-07	MB9TC1S	MS	11/13/11 18:29		OK
111	C4481-08	MB9TE9	SAM	11/13/11 18:32		OK
112	C4481-09	MB9TF1	SAM	11/13/11 18:36		OK
113	C4481-10	MB9TG3	SAM	11/13/11 18:39		OK
114	C4481-11	MB9TB9	SAM	11/13/11 18:43		OK
115	C4481-12	MB9TA3	SAM	11/13/11 18:46		OK
116	C4481-13	MB9TA4	SAM	11/13/11 18:49		OK
117	C4481-14	MB9TA0	SAM	11/13/11 18:53		OK
118	CCV20	CCV20	CCV	11/13/11 18:56	Fe and Mg fails re run required	OK
119	CCB20	CCB20	CCB	11/13/11 19:00		OK
120	PB59137BL	PBS01	MB	11/13/11 19:03		OK
121	PB59137BS	LCS01	LCS	11/13/11 19:06		OK
122	C4499-01	MB9R59	SAM	11/13/11 19:10		OK
123	C4499-02	MB9R60	SAM	11/13/11 19:13		OK
124	C4499-03	MB9R61	SAM	11/13/11 19:16		OK
125	C4499-04	MB9R62	SAM	11/13/11 19:20		OK
126	C4499-05	MB9R63	SAM	11/13/11 19:23		OK
127	C4499-06	MB9R64	SAM	11/13/11 19:26		OK
128	C4499-07	MB9R65	SAM	11/13/11 19:30		OK
129	C4499-08	MB9R66	SAM	11/13/11 19:33		OK
130	C4499-09	MB9R67	SAM	11/13/11 19:36		OK
131	C4499-10	MB9R77	SAM	11/13/11 19:39		OK

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CCV Standard	MP7812
ICSA Standard	MP8358,MP8359
CRI Standard	
LCS Standard	
Chk Standard	

132	C4499-11	MB9R78	SAM	11/13/11 19:43		OK
133	C4499-12	MB9R79	SAM	11/13/11 19:46		OK
134	C4499-13	MB9R80	SAM	11/13/11 19:49		OK
135	C4499-14	MB9R81	SAM	11/13/11 19:53		OK
136	C4499-15	MB9RH8	SAM	11/13/11 19:56		OK
137	C4499-16	MB9RH8D	DUP	11/13/11 19:59		OK
138	C4499-17	MB9RH8S	MS	11/13/11 20:02		OK
139	CCV21	CCV21	CCV	11/13/11 20:06		OK
140	CCB21	CCB21	CCB	11/13/11 20:09		OK
141	PB59187BL	PBS01	MB	11/13/11 20:12		OK
142	PB59187BS	LCS01	LCS	11/13/11 20:16		OK
143	C4508-06	MB9QZ5	SAM	11/13/11 20:19		OK
144	C4508-06L	MB9QZ5L	SD	11/13/11 20:22		OK
145	C4508-07	MB9QZ5D	DUP	11/13/11 20:26		OK
146	C4508-08	MB9QZ5S	MS	11/13/11 20:29		OK
147	C4508-09	MB9QZ6	SAM	11/13/11 20:32		OK
148	C4508-10	MB9QZ7	SAM	11/13/11 20:36		OK
149	C4508-11	MB9QZ8	SAM	11/13/11 20:39		OK
150	C4508-12	MB9R01	SAM	11/13/11 20:42		OK
151	C4508-13	MB9R02	SAM	11/13/11 20:45		OK
152	C4508-14	MB9R04	SAM	11/13/11 20:49		OK
153	C4508-15	MB9R05	SAM	11/13/11 20:52		OK

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CCV Standard	MP7812
ICSA Standard	MP8358,MP8359
CRI Standard	
LCS Standard	
Chk Standard	

154	C4508-16	MB9R06	SAM	11/13/11 20:55		OK
155	C4508-17	MB9R12	SAM	11/13/11 20:59		OK
156	C4508-18	MB9R13	SAM	11/13/11 21:02		OK
157	C4508-19	MB9R14	SAM	11/13/11 21:05		OK
158	C4508-20	MB9R15	SAM	11/13/11 21:08		OK
159	C4508-21	MB9R16	SAM	11/13/11 21:12		OK
160	CCV22	CCV22	CCV	11/13/11 21:15		OK
161	CCB22	CCB22	CCB	11/13/11 21:18		OK
162	PB59189BL	PBS01	MB	11/13/11 21:22		OK
163	PB59189BS	LCS01	LCS	11/13/11 21:25		OK
164	C4509-01	MB9QZ9	SAM	11/13/11 21:29		OK
165	C4509-02	MB9R00	SAM	11/13/11 21:32		OK
166	C4509-03	MB9R03	SAM	11/13/11 21:35		OK
167	C4509-04	MB9R07	SAM	11/13/11 21:39		OK
168	C4509-05	MB9R08	SAM	11/13/11 21:42		OK
169	C4509-06	MB9R09	SAM	11/13/11 21:45		OK
170	C4509-07	MB9R10	SAM	11/13/11 21:49		OK
171	C4509-08	MB9R11	SAM	11/13/11 21:52		OK
172	C4509-09	MB9R17	SAM	11/13/11 21:55		OK
173	C4509-10	MB9R18	SAM	11/13/11 21:59		OK
174	C4509-10L	MB9R18L	SD	11/13/11 22:02		OK
175	C4509-11	MB9R18D	DUP	11/13/11 22:05		OK

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CCV Standard	MP7812
ICSA Standard	MP8358,MP8359
CRI Standard	
LCS Standard	
Chk Standard	

176	C4509-12	MB9R18S	MS	11/13/11 22:09		OK
177	C4509-13	MB9R19	SAM	11/13/11 22:12		OK
178	C4509-14	MB9R20	SAM	11/13/11 22:15	Fe result is high	OK
179	C4509-15	MB9R21	SAM	11/13/11 22:19	Fe result is high	OK
180	C4499-15L	MB9RH8L	SD	11/13/11 22:22		OK
181	CCV23	CCV23	CCV	11/13/11 22:25		OK
182	CCB23	CCB23	CCB	11/13/11 22:29		OK

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284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

Prep Standard - Chemical Standard Summary

Project ID : c4462

Test : Metals CLP Full

Prepbatch ID : PB59135

Sequence ID/Qc Batch ID: LB57809

Standard ID :
MP7812,MP7807,MP7877,MP7859,MP7890,MP7894,MP7878,MP7895,MP7896,MP8356,MP8357,MP8358,MP8359,MP8990,MP9045,MP9048,MP7807,MP7812,MP7859,MP7877,MP7878,MP7890,MP7894,MP7895,MP7896,MP8356,MP8357,MP8358,MP8359,MP8990,MP9045,MP9048,

Chemical ID :
M2074,M1909,M2060,M1859,M1865,M1863,M1866,M1469,M1980,M1899,W1152,M1952,M1934,M1682,M1673,M1659,M1671,M1672,M1658,M1662,M1665,M1657,M1681,M1683,M1623,M1656,M1655,M1679,M1660,M1675,M1669,M1676,M1674,M1668,M1711,M1712,M1951,M1961,M1995,M1987,M1860,M2012,M2013,M2015,M2053,M1864,M1857,M1824,M1825,M1974,M1469,M1623,M1655,M1656,M1657,M1658,M1659,M1660,M1662,M1665,M1668,M1669,M1671,M1672,M1673,M1674,M1675,M1676,M1679,M1681,M1682,M1683,M1711,M1712,M1824,M1825,M1857,M1859,M1860,M1863,M1864,M1865,M1866,M1899,M1909,M1934,M1951,M1952,M1961,M1974,M1980,M1987,M1995,M2012,M2013,M2015,M2053,M2060,M2074,W1152,

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284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
902	ICP AES CAL BLK (SO/ICB/CCB)	MP7807	08/01/2011	02/01/2012	danuta

FROM 125.00000ml of Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)(M1952) + 2350.00000ml of DI Water(W1152) + 25.00000ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M1934) = Final Quantity: 2500.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
911	ICP AES CCV SOLN	MP7812	08/01/2011	12/01/2011	danuta

FROM 5.00000ml of ANTIMONY HF, 125mL 1,000ug/mL(M1859) + 5.00000ml of Calibration Standard 1, 125 ml(M1865) + 5.00000ml of Calibration Standard 3, 125 ml(M1863) + 5.00000ml of CHEM-CLP-4/.25L(M1866) + 5.00000ml of LITHIUM 125mL 1000ug/mL(M1469) + 5.00000ml of PHOSPHORUS 125mL 1000ug/mL(M1980) + 5.00000ml of SULFUR 125mL 1000ug/mL(M1899) + 965.00000ml of ICP AES CAL BLK (SO/ICB/CCB)(MP7807) = Final Quantity: 1000.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
994	ICPAES ISM01.2 S1 (CONC.)	MP7859	08/03/2011	12/01/2011	danuta

FROM 0.50000ml of BERYLLIUM 125mL 1000ug/mL(M1671) + 0.50000ml of CADMIUM, 125mL 1000ug/mL(M1672) + 0.50000ml of IRON 125mL 10,000ug/mL(M1681) + 1.00000ml of ARSENIC 125mL 1000ug/mL(M1673) + 1.00000ml of CHROMIUM(+3) 125mL 1000ug/mL(M1662) + 1.00000ml of LEAD 125mL 1000ug/mL(M1683) + 1.00000ml of SILVER 125mL 1000ug/mL(M1675) + 1.50000ml of MANGANESE, 125mL 1000ug/mL(M1656) + 2.00000ml of Aluminium, Al, 125 ml, 10,000 ug/ml(M1682) + 2.50000ml of COPPER 125mL 1000ug/mL(M1657) + 2.50000ml of THALLIUM 125mL 1000ug/mL(M1676) + 20.00000ml of BARIUM 125mL 1000ug/mL(M1659) + 3.50000ml of SELENIUM 125mL 1000ug/mL(M1660) + 4.00000ml of NICKEL 125mL 1000ug/mL(M1655) + 5.00000ml of COBALT 125mL 1000ug/mL(M1665) + 5.00000ml of VANADIUM 125mL 1000ug/mL(M1674) + 50.00000ml of CALCIUM 125mL 10,000ug/mL(M1658) + 50.00000ml of MAGNESIUM 125mL 10,000ug/mL(M1623) + 50.00000ml of POTASSIUM 125mL 10,000ug/mL(M1679) + 50.00000ml of SODIUM 125mL 10,000ug/mL(M1669) + 6.00000ml of ANTIMONY HF, 125mL 1,000ug/mL(M1859) + 6.00000ml of ZINC 125mL 1000ug/mL(M1668) + 234.50000ml of ICP AES CAL BLK (SO/ICB/CCB) (MP7807) = Final Quantity: 500.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1003	ICPAES ISM01.2 S1	MP7877	08/04/2011	12/01/2011	danuta

FROM 0.50000ml of ICPAES ISM01.2 S1 (CONC.)(MP7859) + 99.50000ml of ICP AES CAL BLK (SO/ICB/CCB)(MP7807) = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
902	ICP AES CAL BLK (SO/ICB/CCB)	MP7878	08/04/2011	02/04/2012	danuta

FROM 125.00000ml of Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)(M1951) + 2350.00000ml of DI Water(W1152) + 25.00000ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M1961) = Final Quantity: 2500.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1004	ICPAES ISM01.2 (S5)	MP7890	08/04/2011	12/01/2011	danuta

FROM 0.25000ml of BERYLLIUM 125mL 1000ug/mL(M1671) + 12.50000ml of MANGANESE, 125mL 1000ug/mL(M1656) + 12.50000ml of POTASSIUM 125mL 10,000ug/mL(M1679) + 12.50000ml of SODIUM 125mL 10,000ug/mL(M1669) + 12.50000ml of ZINC 125mL 1000ug/mL(M1668) + 13.75000ml of COPPER 125mL 1000ug/mL(M1657) + 14.50000ml of Aluminium, Al, 125 ml, 10,000 ug/ml(M1682) + 14.50000ml of CHROMIUM(+3) 125mL 1000ug/mL(M1662) + 14.50000ml of IRON 125mL 10,000ug/mL(M1681) + 20.00000ml of LEAD 125mL 1000ug/mL(M1683) + 22.50000ml of CALCIUM 125mL 10,000ug/mL(M1658) + 22.50000ml of MAGNESIUM 125mL 10,000ug/mL(M1623) + 5.00000ml of ANTIMONY HF, 125mL 1,000ug/mL(M1859) + 5.00000ml of CHEM-CLP-4/.25L(M1866) + 5.00000ml of CLP CAL SOLUTION #1, 125mL(M1711) + 5.00000ml of CLP CAL SOLUTION #3, 125mL(M1712) + 5.00000ml of PHOSPHORUS 125mL 1000ug/mL(M1980) = Final Quantity: 500.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1005	ICPAES ISM01.2(S4)	MP7894	08/04/2011	12/01/2011	danuta

FROM 250.00000ml of ICP AES CAL BLK (SO/ICB/CCB)(MP7878) + 250.00000ml of ICPAES ISM01.2 (S5) (MP7890) = Final Quantity: 500.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1007	ICPAES ISM01.2(S3)	MP7895	08/04/2011	12/01/2011	danuta

FROM 25.00000ml of ICPAES ISM01.2 (S5)(MP7890) + 75.00000ml of ICP AES CAL BLK (SO/ICB/CCB) (MP7878) = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1008	ICPAES ISM01.2(S2)	MP7896	08/04/2011	12/01/2011	danuta

FROM 12.50000ml of ICPAES ISM01.2 (S5)(MP7890) + 87.50000ml of ICP AES CAL BLK (SO/ICB/CCB) (MP7878) = Final Quantity: 100.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
902	ICP AES CAL BLK (SO/ICB/CCB)	MP8356	09/08/2011	03/08/2012	danuta

FROM 250.00000ml of Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)(M1995) + 4700.00000ml of DI Water(W1152) + 50.00000ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M1987) = Final Quantity: 5000.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
912	ICP AES ICV SOLN	MP8357	09/08/2011	03/06/2012	danuta

FROM 0.25000ml of CHEM-QC-4, Second Source, 1000 ug/ml, B, Mo, Si, Sn, Ti(M1860) + 10.00000ml of ICV (ICP/ICPMS) STOCK SOLN (M2012) + 89.75000ml of ICP AES CAL BLK (SO/ICB/CCB)(MP8356) = Final Quantity: 100.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
904	ICP AES ICSA SOLN	MP8358	09/08/2011	03/06/2012	danuta

FROM 25.00000ml of ICSA (ICP) STOCK SOLN (M2013) + 225.00000ml of ICP AES CAL BLK (SO/ICB/CCB)(MP8356) = Final Quantity: 250.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
905	ICP AES ICSAB SOLN	MP8359	09/08/2011	03/06/2012	danuta

FROM 25.00000ml of ICSA (ICP) STOCK SOLN (M2013) + 25.00000ml of ICSAB (AES) STOCK SOLN(M2015) + 200.00000ml of ICP AES CAL BLK (SO/ICB/CCB)(MP8356) = Final Quantity: 250.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
169	1:1HNO3	MP8990	10/25/2011	04/25/2012	narendra

FROM 1250.00000ml of DI Water(W1152) + 1250.00000ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M2053) = Final Quantity: 2500.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
921	ICPAES SPIKE SOL#6	MP9045	10/28/2011	02/01/2012	jaswal

FROM 20.00000ml of CLP Spike Standard 5(M1864) + 20.00000ml of SOIL/WATER SPIKE SOLN 1, 125mL(M1857) + 160.00000ml of ICP AES CAL BLK (SO/ICB/CCB)(MP8356) = Final Quantity: 200.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
994	ICPAES ISM01.2 S1 (CONC.)	MP9048	10/28/2011	12/01/2011	jaswal

FROM 0.25000ml of BERYLLIUM 125mL 1000ug/mL(M1671) + 0.25000ml of CADMIUM, 125mL 1000ug/mL(M1672) + 0.25000ml of IRON 125mL 10,000ug/mL(M1681) + 0.50000ml of ARSENIC 125mL 1000ug/mL(M1673) + 0.50000ml of CHROMIUM(+3) 125mL 1000ug/mL(M1662) + 0.50000ml of LEAD 125mL 1000ug/mL(M1683) + 0.50000ml of SILVER 125mL 1000ug/mL(M1675) + 0.75000ml of MANGANESE, 125mL 1000ug/mL(M1656) + 1.00000ml of Aluminium, Al, 125 ml, 10,000 ug/ml(M1682) + 1.25000ml of COPPER 125mL 1000ug/mL(M1657) + 1.25000ml of THALLIUM 125mL 1000ug/mL(M1676) + 1.75000ml of SELENIUM 125mL 1000ug/mL(M1660) + 10.00000ml of BARIUM 125mL 1000ug/mL(M1659) + 2.00000ml of NICKEL 125mL 1000ug/mL(M1655) + 2.50000ml of COBALT 125mL 1000ug/mL(M1665) + 2.50000ml of VANADIUM 125mL 1000ug/mL(M1674) + 25.00000ml of CALCIUM 125mL 10,000ug/mL(M1824) + 25.00000ml of MAGNESIUM 125mL 10,000ug/mL(M1825) + 25.00000ml of POTASSIUM 125mL 10,000ug/mL(M1679) + 25.00000ml of SODIUM 125mL 10,000ug/mL(M1669) + 3.00000ml of ANTIMONY HF, 125mL 1,000ug/mL(M1859) + 3.00000ml of ZINC 125mL 1000ug/mL(M1974) + 118.25000ml of ICP AES CAL BLK (SO/ICB/CCB) (MP8356) = Final Quantity: 250.000 ml

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Metals CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGLI1-1 / LITHIUM 125mL 1000ug/mL	d2-li02122	08/01/2011	08/02/2010 / danuta	07/26/2010 / danuta	M1469

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGMG10-1 / MAGNESIUM 125mL 10,000ug/mL	D2-MG03086	12/01/2011	11/30/2010 / jaswal	11/12/2010 / jaswal	M1623

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGNI1-1 / NICKEL 125mL 1000ug/mL	C2-NI02062	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1655

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGMN1-1 / MANGANESE, 125mL 1000ug/mL	D2-MN02079	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1656

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGCU1-1 / COPPER 125mL 1000ug/mL	D2-CU02121	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1657

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGCA10-1 / CALCIUM 125mL 10,000ug/mL	D2-CA04008	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1658

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Metals CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGBA1-1 / BARIUM 125mL 1000ug/mL	D2-BA02055	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1659

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGSE(4)1-1 / SELENIUM 125mL 1000ug/mL	D2-SE02020	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1660

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGCR(3)1-1 / CHROMIUM(+3) 125mL 1000ug/mL	D2-CR03042	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1662

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGCO1-1 / COBALT 125mL 1000ug/mL	D2-CO02027	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1665

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGZN1-1 / ZINC 125mL 1000ug/mL	D2-ZN02065	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1668

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGNA10-1 / SODIUM 125mL 10,000ug/mL	D2-NA03080	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1669

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGBE1-1 / BERYLLIUM 125mL 1000ug/mL	D2-BE02003	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1671

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGCD1-1 / CADMIUM, 125mL 1000ug/mL	D2-CD02027	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1672

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGAS1-1 / ARSENIC 125mL 1000ug/mL	D2-AS02066	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1673

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGV1-1 / VANADIUM 125mL 1000ug/mL	D2-V02065	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1674

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGAG1-1 / SILVER 125mL 1000ug/mL	D2-AG03004	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1675

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGTL1-1 / THALLIUM 125mL 1000ug/mL	D2-TL01111	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1676

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGK10-1 / POTASSIUM 125mL 10,000ug/mL	D2-K03011	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1679

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGFE10-1 / IRON 125mL 10,000ug/mL	D2-FE03115	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1681

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGAL10-1 / Aluminium, Al, 125 ml, 10,000 ug/ml	D2-AL04086	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1682

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGPB1-1 / LEAD 125mL 1000ug/mL	D2PB03020	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1683

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-CAL-1 / CLP CAL SOLUTION #1, 125mL	D2-MEB321132	02/01/2012	01/07/2011 / kchoi	01/05/2011 / kchoi	M1711

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-CAL-3 / CLP CAL SOLUTION #3, 125mL	D2-MEB324156	02/01/2012	01/07/2011 / kchoi	01/05/2011 / kchoi	M1712

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGCA10-1 / CALCIUM 125mL 10,000ug/mL	d2-ca04008	05/01/2012	04/18/2011 / danuta	04/15/2011 / danuta	M1824

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGMG10-1 / MAGNESIUM 125mL 10,000ug/mL	d2-mg03095	05/01/2012	04/18/2011 / danuta	04/15/2011 / danuta	M1825

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-SPK-1 / SOIL/WATER SPIKE SOLN 1, 125mL	D2-MEB324145	06/01/2012	05/11/2011 / danuta	05/09/2011 / danuta	M1857

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGSBF1-1 / ANTIMONY HF, 125mL 1,000ug/mL	D2-SB02125	06/01/2012	05/11/2011 / danuta	05/09/2011 / danuta	M1859

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CHEM-QC-4 / CHEM-QC-4, Second Source, 1000 ug/ml, B, Mo, Si, Sn, Ti	E2-MEB374039	06/01/2012	05/11/2011 / danuta	05/09/2011 / danuta	M1860

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-CAL-3 / Calibration Standard 3, 125 ml	D2-MEB324156	06/01/2012	05/09/2011 / danuta	05/09/2011 / danuta	M1863

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-SPK-5 / CLP Spike Standard 5	B2-CICP21155	06/01/2012	05/11/2011 / danuta	05/09/2011 / danuta	M1864

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-CAL-1 / Calibration Standard 1, 125 ml	D2-MEB321132	06/01/2012	05/11/2011 / danuta	05/09/2011 / danuta	M1865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	Z9651Q / CHEM-CLP-4/.25L	E2-MEB374038	06/01/2012	05/11/2011 / danuta	05/09/2011 / danuta	M1866

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGS1-1 / SULFUR 125mL 1000ug/mL	C2-S01100	06/01/2012	06/06/2011 / danuta	05/27/2011 / danuta	M1899

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-2186-03 / Hydrogen Peroxide (cs/4x4L)	K03A12	06/09/2016	10/13/2011 / narendra	06/09/2011 / NARENDRA	M1909

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	K14036	06/22/2016	07/29/2011 / NARENDRA	06/22/2011 / narendra	M1934

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Metals CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	K20033	07/14/2016	08/03/2011 / narendra	07/14/2011 / narendra	M1951

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	K20033	07/14/2016	07/29/2011 / narendra	07/14/2011 / narendra	M1952

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	K14036	07/20/2016	08/03/2011 / narendra	07/20/2011 / narendra	M1961

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGZN1-1 / ZINC 125mL 1000ug/mL	D2-ZN02065	02/01/2012	06/20/2011 / jaswal	01/28/2011 / jaswal	M1974

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGP1-1 / PHOSPHORUS 125mL 1000ug/mL	E2-P02032	09/01/2012	07/26/2011 / danuta	07/26/2011 / danuta	M1980

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	K14036	08/11/2016	09/02/2011 / Narendra	08/11/2011 / NARENDRA	M1987

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Metals CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	K24040	08/24/2016	09/07/2011 / Narendra	08/24/2011 / NARENDRA	M1995

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	ICV-1 (0307) / ICV (ICP/ICPMS) STOCK SOLN	0307	03/06/2012	09/06/2011 / ALPA	09/06/2011 / ALPA	M2012

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART A (1206) / ICSA (ICP) STOCK SOLN	1206	03/06/2012	09/06/2011 / ALPA	09/06/2011 / ALPA	M2013

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART B (0803) / ICSAB (AES) STOCK SOLN	0203	03/06/2012	09/06/2011 / ALPA	09/06/2011 / ALPA	M2015

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	J12036	10/05/2016	10/25/2011 / narendra	10/05/2011 / narendra	M2053

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	K20033	10/05/2016	11/10/2011 / narendra	10/05/2011 / narendra	M2060

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Metals CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	K23022	10/19/2016	11/10/2011 / narendra	10/19/2011 / narendra	M2074

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Lab certified	02/23/2015	02/23/2010 /	02/23/2010 / divya	W1152

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Instrument ID: P5

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Daily Analysis Runlog For Sequence/QCBatch ID # LB57818

Review By danuta Review On 11/15/2011 10:32:25 AM

STD. NAME	STD REF.#
ICAL Standard	MP8356,MP7877,MP7896,MP7895,MP7894,MP7890
ICV Standard	MP8357
CCV Standard	MP7812
ICSA Standard	MP8358,MP8359
CRI Standard	
LCS Standard	
Chk Standard	

Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	S0	S0	CAL1	11/14/11 14:33		OK
2	S1	S	CAL2	11/14/11 14:37		OK
3	S2	S	CAL3	11/14/11 14:40		OK
4	S3	S	CAL4	11/14/11 14:43		OK
5	S4	S	CAL5	11/14/11 14:47		OK
6	S5	S	CAL6	11/14/11 14:50		OK
7	ICV20	ICV20	ICV	11/14/11 14:57		OK
8	ICB20	ICB20	ICB	11/14/11 15:00		OK
9	ICSA20	ICSA20	ICSA	11/14/11 15:03		OK
10	ICSAB20	ICSAB20	ICSAB	11/14/11 15:07		OK
11	CCV24	CCV24	CCV	11/14/11 15:25		OK
12	CCB24	CCB24	CCB	11/14/11 15:29		OK
13	PB59103BL	PBW01	MB	11/14/11 15:32	For Fe and Mg	ReRun
14	PB59103BS	LCS01	LCS	11/14/11 15:36	For Fe and Mg	ReRun
15	C4391-18	MB9T99	SAM	11/14/11 15:39	For Fe and Mg	ReRun
16	C4481-01	MB9TA1	SAM	11/14/11 15:42	For Fe and Mg	ReRun
17	C4481-02	MB9TA7	SAM	11/14/11 15:46	For Fe and Mg	ReRun
18	C4481-03	MB9TC9	SAM	11/14/11 15:49	For Fe and Mg	ReRun
19	C4481-04	MB9TA2	SAM	11/14/11 15:52	For Fe and Mg	ReRun
20	C4481-05	MB9TC1	SAM	11/14/11 15:56	For Fe and Mg	ReRun
21	C4481-05L	MB9TC1L	SD	11/14/11 15:59	For Fe and Mg	ReRun

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Instrument ID: P5

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Daily Analysis Runlog For Sequence/QCBatch ID # LB57818

Review By danuta Review On 11/15/2011 10:32:25 AM

STD. NAME	STD REF.#
ICAL Standard	MP8356,MP7877,MP7896,MP7895,MP7894,MP7890
ICV Standard	MP8357
CCV Standard	MP7812
ICSA Standard	MP8358,MP8359
CRI Standard	
LCS Standard	
Chk Standard	

22	C4481-06	MB9TC1D	DUP	11/14/11 16:03	For Fe and Mg	ReRun
23	C4481-07	MB9TC1S	MS	11/14/11 16:06	For Fe and Mg	ReRun
24	C4481-08	MB9TE9	SAM	11/14/11 16:09	For Fe and Mg	ReRun
25	C4481-09	MB9TF1	SAM	11/14/11 16:13	For Fe and Mg	ReRun
26	C4481-10	MB9TG3	SAM	11/14/11 16:16	For Fe and Mg	ReRun
27	C4481-11	MB9TB9	SAM	11/14/11 16:19	For Fe and Mg	ReRun
28	C4481-12	MB9TA3	SAM	11/14/11 16:23	For Fe and Mg	ReRun
29	C4481-13	MB9TA4	SAM	11/14/11 16:26	For Fe and Mg	ReRun
30	C4481-14	MB9TA0	SAM	11/14/11 16:30	For Fe and Mg	ReRun
31	CCV25	CCV25	CCV	11/14/11 16:33		OK
32	CCB25	CCB25	CCB	11/14/11 16:36		OK
33	PB59137BL	PBS01	MB	11/14/11 16:40	For Fe and Mg	ReRun
34	PB59137BS	LCS01	LCS	11/14/11 16:43	For Fe and Mg	ReRun
35	C4499-01	MB9R59	SAM	11/14/11 16:46	For Fe and Mg	ReRun
36	C4499-02	MB9R60	SAM	11/14/11 16:50	For Fe and Mg	ReRun
37	C4499-03	MB9R61	SAM	11/14/11 16:53	For Fe and Mg	ReRun
38	C4499-04	MB9R62	SAM	11/14/11 16:56	For Fe and Mg	ReRun
39	C4499-05	MB9R63	SAM	11/14/11 17:00	For Fe and Mg	ReRun
40	C4499-06	MB9R64	SAM	11/14/11 17:03	For Fe and Mg	ReRun
41	C4499-07	MB9R65	SAM	11/14/11 17:06	For Fe and Mg	ReRun
42	C4499-08	MB9R66	SAM	11/14/11 17:10	For Fe and Mg	ReRun
43	C4499-09	MB9R67	SAM	11/14/11 17:13	For Fe and Mg	ReRun

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Instrument ID: P5

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Daily Analysis Runlog For Sequence/QCBatch ID # LB57818

Review By danuta Review On 11/15/2011 10:32:25 AM

STD. NAME	STD REF.#
ICAL Standard	MP8356,MP7877,MP7896,MP7895,MP7894,MP7890
ICV Standard	MP8357
CCV Standard	MP7812
ICSA Standard	MP8358,MP8359
CRI Standard	
LCS Standard	
Chk Standard	

44	C4499-10	MB9R77	SAM	11/14/11 17:17	For Fe and Mg	ReRun
45	C4499-11	MB9R78	SAM	11/14/11 17:20	For Fe and Mg	ReRun
46	C4499-12	MB9R79	SAM	11/14/11 17:23	For Fe and Mg	ReRun
47	C4499-13	MB9R80	SAM	11/14/11 17:26	For Fe and Mg	ReRun
48	C4499-14	MB9R81	SAM	11/14/11 17:30	For Fe and Mg	ReRun
49	C4499-15	MB9RH8	SAM	11/14/11 17:33	For Fe and Mg	ReRun
50	C4499-15L	MB9RH8L	SD	11/14/11 17:36	For Fe and Mg	ReRun
51	C4499-16	MB9RH8D	DUP	11/14/11 17:39	For Fe and Mg	ReRun
52	C4499-17	MB9RH8S	MS	11/14/11 17:43	For Fe and Mg	ReRun
53	CCV26	CCV26	CCV	11/14/11 17:46		OK
54	CCB26	CCB26	CCB	11/14/11 17:49		OK
55	C4499-09	MB9R67	SAM	11/14/11 17:53	For Fe	Dilution
56	C4462-03	MH3BB7	SAM	11/14/11 17:56	For Ca	Dilution
57	C4462-04	MH3BB8	SAM	11/14/11 17:59	For Ca	Dilution
58	C4462-05	MH3BB9	SAM	11/14/11 18:03	For Ca	Dilution
59	C4462-06	MH3BC0	SAM	11/14/11 18:06	For Ca	Dilution
60	C4462-07	MH3BC1	SAM	11/14/11 18:09	For Ca	Dilution
61	C4462-08	MH3BC2	SAM	11/14/11 18:13	For Ca	Dilution
62	C4462-09	MH3BC3	SAM	11/14/11 18:16	For Ca	Dilution
63	C4462-10	MH3BC4	SAM	11/14/11 18:20	For Ca	Dilution
64	C4462-11	MH3BC5	SAM	11/14/11 18:23	For Ca	Dilution
65	C4462-11L	MH3BC5L	SD	11/14/11 18:26	For Ca	Dilution

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Instrument ID: P5

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Daily Analysis Runlog For Sequence/QCBatch ID # LB57818

Review By danuta Review On 11/15/2011 10:32:25 AM

STD. NAME	STD REF.#
ICAL Standard	MP8356,MP7877,MP7896,MP7895,MP7894,MP7890
ICV Standard	MP8357
CCV Standard	MP7812
ICSA Standard	MP8358,MP8359
CRI Standard	
LCS Standard	
Chk Standard	

66	C4462-12	MH3BC5D	DUP	11/14/11 18:30	For Ca	Dilution
67	C4462-13	MH3BC5S	MS	11/14/11 18:33	For Ca	Dilution
68	C4462-11A	MH3BC5A	PS	11/14/11 18:37		OK
69	C4462-15	MH3BC7	SAM	11/14/11 18:40	For Ca	Dilution
70	C4462-16	MH3BC8	SAM	11/14/11 18:43	For Ca & Fe	Dilution
71	C4462-17	MH3BC9	SAM	11/14/11 18:47	For Ca	Dilution
72	C4462-18	MH3BD0	SAM	11/14/11 18:50	For Ca	Dilution
73	C4509-14	MB9R20	SAM	11/14/11 18:53	For Fe	Dilution
74	C4509-15	MB9R21	SAM	11/14/11 18:57	For Fe	Dilution
75	C4438-03A	MB9R91A	SAM	11/14/11 19:07		OK
76	C4447-18A	MB9RG3A	SAM	11/14/11 19:10		OK
77	C4499-15A	MB9RH8A	PS	11/14/11 19:14		OK
78	C4508-06A	MB9QZ5A	SAM	11/14/11 19:17		OK
79	C4509-10A	MB9R18A	SAM	11/14/11 19:20		OK
80	CCV27	CCV27	CCV	11/14/11 19:23		OK
81	CCB27	CCB27	CCB	11/14/11 19:27		OK

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Prep Standard - Chemical Standard Summary

Project ID : c4462

Test : Metals CLP Full

Prepbatch ID : PB59135

Sequence ID/Qc Batch ID: LB57818

Standard ID :
MP7812,MP7807,MP7877,MP7859,MP7890,MP7894,MP7878,MP7895,MP7896,MP8356,MP8357,MP8358,MP8359,MP8990,MP9045,MP9048,MP7807,MP7812,MP7859,MP7877,MP7878,MP7890,MP7894,MP7895,MP7896,MP8356,MP8357,MP8358,MP8359,MP8990,MP9045,MP9048,

Chemical ID :
M2074,M1909,M2060,M1859,M1865,M1863,M1866,M1469,M1980,M1899,W1152,M1952,M1934,M1682,M1673,M1659,M1671,M1672,M1658,M1662,M1665,M1657,M1681,M1683,M1623,M1656,M1655,M1679,M1660,M1675,M1669,M1676,M1674,M1668,M1711,M1712,M1951,M1961,M1995,M1987,M1860,M2012,M2013,M2015,M2053,M1864,M1857,M1824,M1825,M1974,M1469,M1623,M1655,M1656,M1657,M1658,M1659,M1660,M1662,M1665,M1668,M1669,M1671,M1672,M1673,M1674,M1675,M1676,M1679,M1681,M1682,M1683,M1711,M1712,M1824,M1825,M1857,M1859,M1860,M1863,M1864,M1865,M1866,M1899,M1909,M1934,M1951,M1952,M1961,M1974,M1980,M1987,M1995,M2012,M2013,M2015,M2053,M2060,M2074,W1152,

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
902	ICP AES CAL BLK (SO/ICB/CCB)	MP7807	08/01/2011	02/01/2012	danuta

FROM 125.00000ml of Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)(M1952) + 2350.00000ml of DI Water(W1152) + 25.00000ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M1934) = Final Quantity: 2500.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
911	ICP AES CCV SOLN	MP7812	08/01/2011	12/01/2011	danuta

FROM 5.00000ml of ANTIMONY HF, 125mL 1,000ug/mL(M1859) + 5.00000ml of Calibration Standard 1, 125 ml(M1865) + 5.00000ml of Calibration Standard 3, 125 ml(M1863) + 5.00000ml of CHEM-CLP-4/.25L(M1866) + 5.00000ml of LITHIUM 125mL 1000ug/mL(M1469) + 5.00000ml of PHOSPHORUS 125mL 1000ug/mL(M1980) + 5.00000ml of SULFUR 125mL 1000ug/mL(M1899) + 965.00000ml of ICP AES CAL BLK (SO/ICB/CCB)(MP7807) = Final Quantity: 1000.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
994	ICPAES ISM01.2 S1 (CONC.)	MP7859	08/03/2011	12/01/2011	danuta

FROM 0.50000ml of BERYLLIUM 125mL 1000ug/mL(M1671) + 0.50000ml of CADMIUM, 125mL 1000ug/mL(M1672) + 0.50000ml of IRON 125mL 10,000ug/mL(M1681) + 1.00000ml of ARSENIC 125mL 1000ug/mL(M1673) + 1.00000ml of CHROMIUM(+3) 125mL 1000ug/mL(M1662) + 1.00000ml of LEAD 125mL 1000ug/mL(M1683) + 1.00000ml of SILVER 125mL 1000ug/mL(M1675) + 1.50000ml of MANGANESE, 125mL 1000ug/mL(M1656) + 2.00000ml of Aluminium, Al, 125 ml, 10,000 ug/ml(M1682) + 2.50000ml of COPPER 125mL 1000ug/mL(M1657) + 2.50000ml of THALLIUM 125mL 1000ug/mL(M1676) + 20.00000ml of BARIUM 125mL 1000ug/mL(M1659) + 3.50000ml of SELENIUM 125mL 1000ug/mL(M1660) + 4.00000ml of NICKEL 125mL 1000ug/mL(M1655) + 5.00000ml of COBALT 125mL 1000ug/mL(M1665) + 5.00000ml of VANADIUM 125mL 1000ug/mL(M1674) + 50.00000ml of CALCIUM 125mL 10,000ug/mL(M1658) + 50.00000ml of MAGNESIUM 125mL 10,000ug/mL(M1623) + 50.00000ml of POTASSIUM 125mL 10,000ug/mL(M1679) + 50.00000ml of SODIUM 125mL 10,000ug/mL(M1669) + 6.00000ml of ANTIMONY HF, 125mL 1,000ug/mL(M1859) + 6.00000ml of ZINC 125mL 1000ug/mL(M1668) + 234.50000ml of ICP AES CAL BLK (SO/ICB/CCB) (MP7807) = Final Quantity: 500.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1003	ICPAES ISM01.2 S1	MP7877	08/04/2011	12/01/2011	danuta

FROM 0.50000ml of ICPAES ISM01.2 S1 (CONC.)(MP7859) + 99.50000ml of ICP AES CAL BLK (SO/ICB/CCB)(MP7807) = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
902	ICP AES CAL BLK (SO/ICB/CCB)	MP7878	08/04/2011	02/04/2012	danuta

FROM 125.00000ml of Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)(M1951) + 2350.00000ml of DI Water(W1152) + 25.00000ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M1961) = Final Quantity: 2500.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1004	ICPAES ISM01.2 (S5)	MP7890	08/04/2011	12/01/2011	danuta

FROM 0.25000ml of BERYLLIUM 125mL 1000ug/mL(M1671) + 12.50000ml of MANGANESE, 125mL 1000ug/mL(M1656) + 12.50000ml of POTASSIUM 125mL 10,000ug/mL(M1679) + 12.50000ml of SODIUM 125mL 10,000ug/mL(M1669) + 12.50000ml of ZINC 125mL 1000ug/mL(M1668) + 13.75000ml of COPPER 125mL 1000ug/mL(M1657) + 14.50000ml of Aluminium, Al, 125 ml, 10,000 ug/ml(M1682) + 14.50000ml of CHROMIUM(+3) 125mL 1000ug/mL(M1662) + 14.50000ml of IRON 125mL 10,000ug/mL(M1681) + 20.00000ml of LEAD 125mL 1000ug/mL(M1683) + 22.50000ml of CALCIUM 125mL 10,000ug/mL(M1658) + 22.50000ml of MAGNESIUM 125mL 10,000ug/mL(M1623) + 5.00000ml of ANTIMONY HF, 125mL 1,000ug/mL(M1859) + 5.00000ml of CHEM-CLP-4/.25L(M1866) + 5.00000ml of CLP CAL SOLUTION #1, 125mL(M1711) + 5.00000ml of CLP CAL SOLUTION #3, 125mL(M1712) + 5.00000ml of PHOSPHORUS 125mL 1000ug/mL(M1980) = Final Quantity: 500.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1005	ICPAES ISM01.2(S4)	MP7894	08/04/2011	12/01/2011	danuta

FROM 250.00000ml of ICP AES CAL BLK (SO/ICB/CCB)(MP7878) + 250.00000ml of ICPAES ISM01.2 (S5) (MP7890) = Final Quantity: 500.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1007	ICPAES ISM01.2(S3)	MP7895	08/04/2011	12/01/2011	danuta

FROM 25.00000ml of ICPAES ISM01.2 (S5)(MP7890) + 75.00000ml of ICP AES CAL BLK (SO/ICB/CCB) (MP7878) = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1008	ICPAES ISM01.2(S2)	MP7896	08/04/2011	12/01/2011	danuta

FROM 12.50000ml of ICPAES ISM01.2 (S5)(MP7890) + 87.50000ml of ICP AES CAL BLK (SO/ICB/CCB) (MP7878) = Final Quantity: 100.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
902	ICP AES CAL BLK (SO/ICB/CCB)	MP8356	09/08/2011	03/08/2012	danuta

FROM 250.00000ml of Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)(M1995) + 4700.00000ml of DI Water(W1152) + 50.00000ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M1987) = Final Quantity: 5000.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
912	ICP AES ICV SOLN	MP8357	09/08/2011	03/06/2012	danuta

FROM 0.25000ml of CHEM-QC-4, Second Source, 1000 ug/ml, B, Mo, Si, Sn, Ti(M1860) + 10.00000ml of ICV (ICP/ICPMS) STOCK SOLN (M2012) + 89.75000ml of ICP AES CAL BLK (SO/ICB/CCB)(MP8356) = Final Quantity: 100.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
904	ICP AES ICSA SOLN	MP8358	09/08/2011	03/06/2012	danuta

FROM 25.00000ml of ICSA (ICP) STOCK SOLN (M2013) + 225.00000ml of ICP AES CAL BLK (SO/ICB/CCB)(MP8356) = Final Quantity: 250.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
905	ICP AES ICSAB SOLN	MP8359	09/08/2011	03/06/2012	danuta

FROM 25.00000ml of ICSA (ICP) STOCK SOLN (M2013) + 25.00000ml of ICSAB (AES) STOCK SOLN(M2015) + 200.00000ml of ICP AES CAL BLK (SO/ICB/CCB)(MP8356) = Final Quantity: 250.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
169	1:1HNO3	MP8990	10/25/2011	04/25/2012	narendra

FROM 1250.00000ml of DI Water(W1152) + 1250.00000ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M2053) = Final Quantity: 2500.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
921	ICPAES SPIKE SOL#6	MP9045	10/28/2011	02/01/2012	jaswal

FROM 20.00000ml of CLP Spike Standard 5(M1864) + 20.00000ml of SOIL/WATER SPIKE SOLN 1, 125mL(M1857) + 160.00000ml of ICP AES CAL BLK (SO/ICB/CCB)(MP8356) = Final Quantity: 200.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
994	ICPAES ISM01.2 S1 (CONC.)	MP9048	10/28/2011	12/01/2011	jaswal

FROM 0.25000ml of BERYLLIUM 125mL 1000ug/mL(M1671) + 0.25000ml of CADMIUM, 125mL 1000ug/mL(M1672) + 0.25000ml of IRON 125mL 10,000ug/mL(M1681) + 0.50000ml of ARSENIC 125mL 1000ug/mL(M1673) + 0.50000ml of CHROMIUM(+3) 125mL 1000ug/mL(M1662) + 0.50000ml of LEAD 125mL 1000ug/mL(M1683) + 0.50000ml of SILVER 125mL 1000ug/mL(M1675) + 0.75000ml of MANGANESE, 125mL 1000ug/mL(M1656) + 1.00000ml of Aluminium, Al, 125 ml, 10,000 ug/ml(M1682) + 1.25000ml of COPPER 125mL 1000ug/mL(M1657) + 1.25000ml of THALLIUM 125mL 1000ug/mL(M1676) + 1.75000ml of SELENIUM 125mL 1000ug/mL(M1660) + 10.00000ml of BARIUM 125mL 1000ug/mL(M1659) + 2.00000ml of NICKEL 125mL 1000ug/mL(M1655) + 2.50000ml of COBALT 125mL 1000ug/mL(M1665) + 2.50000ml of VANADIUM 125mL 1000ug/mL(M1674) + 25.00000ml of CALCIUM 125mL 10,000ug/mL(M1824) + 25.00000ml of MAGNESIUM 125mL 10,000ug/mL(M1825) + 25.00000ml of POTASSIUM 125mL 10,000ug/mL(M1679) + 25.00000ml of SODIUM 125mL 10,000ug/mL(M1669) + 3.00000ml of ANTIMONY HF, 125mL 1,000ug/mL(M1859) + 3.00000ml of ZINC 125mL 1000ug/mL(M1974) + 118.25000ml of ICP AES CAL BLK (SO/ICB/CCB) (MP8356) = Final Quantity: 250.000 ml

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Metals CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGLI1-1 / LITHIUM 125mL 1000ug/mL	d2-li02122	08/01/2011	08/02/2010 / danuta	07/26/2010 / danuta	M1469

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGMG10-1 / MAGNESIUM 125mL 10,000ug/mL	D2-MG03086	12/01/2011	11/30/2010 / jaswal	11/12/2010 / jaswal	M1623

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGNI1-1 / NICKEL 125mL 1000ug/mL	C2-NI02062	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1655

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGMN1-1 / MANGANESE, 125mL 1000ug/mL	D2-MN02079	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1656

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGCU1-1 / COPPER 125mL 1000ug/mL	D2-CU02121	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1657

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGCA10-1 / CALCIUM 125mL 10,000ug/mL	D2-CA04008	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1658

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Metals CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGBA1-1 / BARIUM 125mL 1000ug/mL	D2-BA02055	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1659

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGSE(4)1-1 / SELENIUM 125mL 1000ug/mL	D2-SE02020	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1660

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGCR(3)1-1 / CHROMIUM(+3) 125mL 1000ug/mL	D2-CR03042	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1662

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGCO1-1 / COBALT 125mL 1000ug/mL	D2-CO02027	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1665

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGZN1-1 / ZINC 125mL 1000ug/mL	D2-ZN02065	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1668

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGNA10-1 / SODIUM 125mL 10,000ug/mL	D2-NA03080	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1669

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGBE1-1 / BERYLLIUM 125mL 1000ug/mL	D2-BE02003	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1671

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGCD1-1 / CADMIUM, 125mL 1000ug/mL	D2-CD02027	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1672

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGAS1-1 / ARSENIC 125mL 1000ug/mL	D2-AS02066	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1673

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGV1-1 / VANADIUM 125mL 1000ug/mL	D2-V02065	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1674

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGAG1-1 / SILVER 125mL 1000ug/mL	D2-AG03004	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1675

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGTL1-1 / THALLIUM 125mL 1000ug/mL	D2-TL01111	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1676

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGK10-1 / POTASSIUM 125mL 10,000ug/mL	D2-K03011	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1679

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGFE10-1 / IRON 125mL 10,000ug/mL	D2-FE03115	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1681

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGAL10-1 / Aluminium, Al, 125 ml, 10,000 ug/ml	D2-AL04086	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1682

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGPB1-1 / LEAD 125mL 1000ug/mL	D2PB03020	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1683

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-CAL-1 / CLP CAL SOLUTION #1, 125mL	D2-MEB321132	02/01/2012	01/07/2011 / kchoi	01/05/2011 / kchoi	M1711

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-CAL-3 / CLP CAL SOLUTION #3, 125mL	D2-MEB324156	02/01/2012	01/07/2011 / kchoi	01/05/2011 / kchoi	M1712

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGCA10-1 / CALCIUM 125mL 10,000ug/mL	d2-ca04008	05/01/2012	04/18/2011 / danuta	04/15/2011 / danuta	M1824

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGMG10-1 / MAGNESIUM 125mL 10,000ug/mL	d2-mg03095	05/01/2012	04/18/2011 / danuta	04/15/2011 / danuta	M1825

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-SPK-1 / SOIL/WATER SPIKE SOLN 1, 125mL	D2-MEB324145	06/01/2012	05/11/2011 / danuta	05/09/2011 / danuta	M1857

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGSBF1-1 / ANTIMONY HF, 125mL 1,000ug/mL	D2-SB02125	06/01/2012	05/11/2011 / danuta	05/09/2011 / danuta	M1859

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CHEM-QC-4 / CHEM-QC-4, Second Source, 1000 ug/ml, B, Mo, Si, Sn, Ti	E2-MEB374039	06/01/2012	05/11/2011 / danuta	05/09/2011 / danuta	M1860

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-CAL-3 / Calibration Standard 3, 125 ml	D2-MEB324156	06/01/2012	05/09/2011 / danuta	05/09/2011 / danuta	M1863

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-SPK-5 / CLP Spike Standard 5	B2-CICP21155	06/01/2012	05/11/2011 / danuta	05/09/2011 / danuta	M1864

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-CAL-1 / Calibration Standard 1, 125 ml	D2-MEB321132	06/01/2012	05/11/2011 / danuta	05/09/2011 / danuta	M1865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	Z9651Q / CHEM-CLP-4/.25L	E2-MEB374038	06/01/2012	05/11/2011 / danuta	05/09/2011 / danuta	M1866

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGS1-1 / SULFUR 125mL 1000ug/mL	C2-S01100	06/01/2012	06/06/2011 / danuta	05/27/2011 / danuta	M1899

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-2186-03 / Hydrogen Peroxide (cs/4x4L)	K03A12	06/09/2016	10/13/2011 / narendra	06/09/2011 / NARENDRA	M1909

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	K14036	06/22/2016	07/29/2011 / NARENDRA	06/22/2011 / narendra	M1934

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	K20033	07/14/2016	08/03/2011 / narendra	07/14/2011 / narendra	M1951

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	K20033	07/14/2016	07/29/2011 / narendra	07/14/2011 / narendra	M1952

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	K14036	07/20/2016	08/03/2011 / narendra	07/20/2011 / narendra	M1961

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGZN1-1 / ZINC 125mL 1000ug/mL	D2-ZN02065	02/01/2012	06/20/2011 / jaswal	01/28/2011 / jaswal	M1974

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGP1-1 / PHOSPHORUS 125mL 1000ug/mL	E2-P02032	09/01/2012	07/26/2011 / danuta	07/26/2011 / danuta	M1980

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	K14036	08/11/2016	09/02/2011 / Narendra	08/11/2011 / NARENDRA	M1987

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	K24040	08/24/2016	09/07/2011 / Narendra	08/24/2011 / NARENDRA	M1995

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	ICV-1 (0307) / ICV (ICP/ICPMS) STOCK SOLN	0307	03/06/2012	09/06/2011 / ALPA	09/06/2011 / ALPA	M2012

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART A (1206) / ICSA (ICP) STOCK SOLN	1206	03/06/2012	09/06/2011 / ALPA	09/06/2011 / ALPA	M2013

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART B (0803) / ICSAB (AES) STOCK SOLN	0203	03/06/2012	09/06/2011 / ALPA	09/06/2011 / ALPA	M2015

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	J12036	10/05/2016	10/25/2011 / narendra	10/05/2011 / narendra	M2053

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	K20033	10/05/2016	11/10/2011 / narendra	10/05/2011 / narendra	M2060

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	K23022	10/19/2016	11/10/2011 / narendra	10/19/2011 / narendra	M2074

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Lab certified	02/23/2015	02/23/2010 /	02/23/2010 / divya	W1152

Standard ID : M1899

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2.0 **DESCRIPTION OF CRM** **1000 µg/mL Sulfur in H2O**

Catalog Number:	CGS1-1, CGS1-2, and CGS1-5
Lot Number:	**C2-S01100**
Starting Material:	H2SO4
Starting Material Purity (%):	99.999991
Starting Material Lot No:	X48058
Matrix:	H2O

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 1009 ± 3 µg/mL

Certified Density: 1.000 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

"Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **1009 ± 3 µg/mL**
Acidimetric NIST SRM 84k Lot Number: 84k

Assay Method #2 **1002 ± 9 µg/mL**
ICP Assay NIST SRM 3154 Lot Number: 892205

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2.0 DESCRIPTION OF CRM **1000 µg/mL Silver in 5% (v/v) HNO3**

Catalog Number:	CGAG1-1, CGAG1-2, and CGAG1-5
Lot Number:	**D2-AG03004**
Starting Material:	Ag shot
Starting Material Purity (%):	99.991024
Starting Material Lot No:	E308AGA1
Matrix:	5% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,000 ± 2 µg/mL

Certified Density: 1.025 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

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4.1 **Assay Method #1** **1,002 ± 3 µg/mL**
ICP Assay NIST SRM 3151 Lot Number: 992212

Assay Method #2 **1,000 ± 2 µg/mL**
Volhard NIST SRM 999b Lot Number: 999b

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2.0 **DESCRIPTION OF CRM** **10000 µg/mL Aluminum in 7% (v/v) HNO3**

Catalog Number:	CGAL10-1, CGAL10-2, and CGAL10-5
Lot Number:	**D2-AL04086**
Starting Material:	Al ingot
Starting Material Purity (%):	99.999682
Starting Material Lot No:	1502
Matrix:	7% (v/v) HNO3

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 10,031 ± 30 µg/mL

Certified Density: 1.085 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

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This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **9,997 ± 39 µg/mL**
ICP Assay NIST SRM 3101a Lot Number: 060502

Assay Method #2 **10,031 ± 30 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

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2.0 **DESCRIPTION OF CRM** **1000 µg/mL Arsenic in 2% (v/v) HNO3**

Catalog Number:	CGAS1-1, CGAS1-2, and CGAS1-5
Lot Number:	**D2-AS02066**
Starting Material:	As pieces
Starting Material Purity (%):	99.999032
Starting Material Lot No:	R1107ASB1
Matrix:	2% (v/v) HNO3

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 999 ± 5 µg/mL

Certified Density: 1.011 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\sum s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
$\sum s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

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This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **999 ± 5 µg/mL**
ICP Assay NIST SRM 3103a Lot Number: 010713

Assay Method #2 **1,000 ± 5 µg/mL**
Calculated NIST SRM Lot Number: See Sec. 4.2

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2.0 **DESCRIPTION OF CRM** **1000 µg/mL Barium in 0.1% (v/v) HNO3**

Catalog Number:	CGBA1-1, CGBA1-2, and CGBA1-5
Lot Number:	**D2-BA02055**
Starting Material:	Ba(NO3)2
Starting Material Purity (%):	99.999842
Starting Material Lot No:	1514
Matrix:	0.1% (v/v) HNO3

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 1,007 ± 3 µg/mL

Certified Density: 1.000 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

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4.1 **Assay Method #1** **1,002 ± 4 µg/mL**
ICP Assay NIST SRM 3104a Lot Number: 070222

Assay Method #2 **1,007 ± 3 µg/mL**
Gravimetric NIST SRM Lot Number: See Sec. 4.2

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2.0 **DESCRIPTION OF CRM** **1000 µg/mL Beryllium in 3% (v/v) HNO3**

Catalog Number:	CGBE1-1, CGBE1-2, and CGBE1-5
Lot Number:	**D2-BE02003**
Starting Material:	Be(OOCCH3)2
Starting Material Purity (%):	99.999948
Starting Material Lot No:	0801-1
Matrix:	3% (v/v) HNO3

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 1,004 ± 6 µg/mL

Certified Density: 1.023 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

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4.1 **Assay Method #1** **1,004 ± 6 µg/mL (avg. of 2 runs)**
ICP Assay NIST SRM 3105a Lot Number: 892707

Assay Method #2 **1,001 ± 5 µg/mL**
Calculated NIST SRM Lot Number: See Sec. 4.2

Standard ID : M1658,M1824

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2.0 **DESCRIPTION OF CRM** **10000 µg/mL Calcium in 2% (v/v) HNO3**

Catalog Number:	CGCA10-1, CGCA10-2, and CGCA10-5
Lot Number:	**D2-CA04008**
Starting Material:	CaO
Starting Material Purity (%):	99.995507
Starting Material Lot No:	C808CAA1
Matrix:	2% (v/v) HNO3

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 9,994 ± 37 µg/mL (avg. of 2 methods)

Certified Density: 1.038 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

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4.1 **Assay Method #1** **9,995 ± 47 µg/mL**
ICP Assay NIST SRM 3109a Lot Number: 050825

Assay Method #2 **9,992 ± 26 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

Standard ID : M1865

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ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Stock Solution

Catalog No.: CLPP-CAL-1

Lot Number: **D2-MEB321132**

Matrix: 5% HNO3(v/v)

5,000 µg/mL ea:
Ca, K, Mg, Na,

2,000 µg/mL ea:
Al, Ba,

1,000 µg/mL ea:
Fe,

500 µg/mL ea:
Co, Mn, Ni, V, Zn,

250 µg/mL ea:
Ag, Cu,

200 µg/mL ea:
Cr3,

50 µg/mL ea:
Be

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Aluminum, Al	2,000 ± 7 µg/mL	Barium, Ba	2,000 ± 6 µg/mL	Beryllium, Be	50.09 ± 0.21 µg/mL
Calcium, Ca	5,000 ± 13 µg/mL	Chromium+3, Cr3	200.7 ± 1.5 µg/mL	Cobalt, Co	500.1 ± 1.1 µg/mL
Copper, Cu	250.8 ± 0.5 µg/mL	Iron, Fe	1,000 ± 3 µg/mL	Magnesium, Mg	5,000 ± 16 µg/mL
Manganese, Mn	500.1 ± 2.7 µg/mL	Nickel, Ni	500.3 ± 1.4 µg/mL	Potassium, K	5,000 ± 24 µg/mL
Silver, Ag	250.0 ± 0.6 µg/mL	Sodium, Na	5,000 ± 44 µg/mL	Vanadium, V	500.0 ± 1.9 µg/mL
Zinc, Zn	500.1 ± 2.1 µg/mL				

Certified Density: 1.119 g/mL (measured at 20 ± 1° C)

Standard ID : M1863

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ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Stock Solution

Catalog No.: CLPP-CAL-3

Lot Number: **D2-MEB324156**

Matrix: 7% HNO3(v/v)

1,000.00 µg/mL ea:
As, Pb, Se, Tl,

500.00 µg/mL ea:
Cd

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Arsenic, As	1,000 ± 3 µg/mL	Cadmium, Cd	500.0 ± 1.1 µg/mL	Lead, Pb	1,000 ± 2 µg/mL
Selenium, Se	1,000 ± 6 µg/mL	Thallium, Tl	1,000 ± 4 µg/mL		

Certified Density: 1.046 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

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ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM **1000 µg/mL Cadmium in 3% (v/v) HNO3**

Catalog Number:	CGCD1-1, CGCD1-2, and CGCD1-5
Lot Number:	**D2-CD02027**
Starting Material:	Cd shot
Starting Material Purity (%):	99.999656
Starting Material Lot No:	R1205CDA1
Matrix:	3% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,002 ± 4 µg/mL (avg. of 2 methods)

Certified Density: 1.015 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

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4.1 **Assay Method #1** **1,002 ± 4 µg/mL**
ICP Assay NIST SRM 3108 Lot Number: 060531

Assay Method #2 **1,002 ± 3 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

Standard ID : M1672

Standard ID : M1866

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2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: CHEM-CLP-4

Lot Number: **E2-MEB374038**

Matrix: 0.8% HF(v/v), 3% HNO3(v/v)

1,000 µg/mL ea:
B, Mo, Si, Sn, Ti

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Boron, B	1,000 ± 4 µg/mL	Molybdenum, Mo	1,000 ± 5 µg/mL	Silicon, Si	1,000 ± 3 µg/mL
Tin, Sn	1,000 ± 5 µg/mL	Titanium, Ti	1,000 ± 5 µg/mL		

Certified Density: 1.031 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\sum s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
$\sum s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

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2.0 **DESCRIPTION OF CRM** **1000 µg/mL Cobalt in 3% (v/v) HNO3**

Catalog Number:	CGCO1-1, CGCO1-2, and CGCO1-5
Lot Number:	**D2-CO02027**
Starting Material:	Co powder
Starting Material Purity (%):	99.997516
Starting Material Lot No:	KW809COA1
Matrix:	3% (v/v) HNO3

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 1,003 ± 3 µg/mL

Certified Density: 1.019 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

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4.1 **Assay Method #1** **1,003 ± 5 µg/mL**
ICP Assay NIST SRM 3181 Lot Number: 000630

Assay Method #2 **1,003 ± 3 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

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2.0 DESCRIPTION OF CRM **1000 µg/mL Chromium (+3) in 2% (v/v) HNO3**

Catalog Number:	CGCR(3)1-1, CGCR(3)1-2, and CGCR(3)1-5
Lot Number:	**D2-CR03042**
Starting Material:	Cr pieces
Starting Material Purity (%):	99.993508
Starting Material Lot No:	R800A
Matrix:	2% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,000 ± 3 µg/mL

Certified Density: 1.014 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

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4.1 **Assay Method #1** **1,000 ± 3 µg/mL (avg. of 2 runs)**
ICP Assay NIST SRM 3112a Lot Number: 030730

Assay Method #2 **1,001 ± 5 µg/mL**
Calculated NIST SRM Lot Number: See Sec. 4.2

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2.0 DESCRIPTION OF CRM — 1000 µg/mL Copper in 3% (v/v) HNO3

Catalog Number:	CGCU1-1, CGCU1-2, and CGCU1-5
Lot Number:	**D2-CU02121**
Starting Material:	Cu shot
Starting Material Purity (%):	99.999158
Starting Material Lot No:	1544
Matrix:	3% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,001 ± 3 µg/mL (avg. of 2 methods)

Certified Density: 1.015 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

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4.1 **Assay Method #1** **1,000 ± 4 µg/mL**
ICP Assay NIST SRM 3114 Lot Number: 011017

Assay Method #2 **1,001 ± 2 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

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2.0 DESCRIPTION OF CRM **10000 µg/mL Iron in 5% (v/v) HNO3**

Catalog Number:	CGFE10-1, CGFE10-2, and CGFE10-5
Lot Number:	**D2-FE03115**
Starting Material:	Fe powder
Starting Material Purity (%):	99.995342
Starting Material Lot No:	1539
Matrix:	5% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 10,125 ± 26 µg/mL

Certified Density: 1.066 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

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4.1 **Assay Method #1** **10,130 ± 47 µg/mL (avg. of 3 runs)**
ICP Assay NIST SRM 3126a Lot Number: 051031

Assay Method #2 **10,125 ± 26 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

QATS INORGANIC REFERENCE MATERIAL
INITIAL CALIBRATION VERIFICATION SOLUTIONS
(ICVs)

ICV1-0307		
Element	Concentration (µg/L) (after 10 fold dilution)	Concentration (µg/L) (after 50 fold dilution)
Al	2521	504
Sb	994	199
As	999	200
Ba	497	99
Be	495	99
Cd	496	99
Ca	10026	2005
Cr	490	98
Co	499	100
Cu	492	98
Fe	5082	1016
Pb	1002	200
Mg	6074	1215
Mn	499	100
Ni	503	101
K	10021	2004
Se	1029	206
Ag	501	100
Na	10097	2019
Tl	1028	206
V	501	100
Zn	1025	205

ICV2-0601	
Element	Concentration (µg/L) (after 20 fold dilution)
As	52.6
Se	50.8

ICV3-0500	
Element	Concentration (µg/L) (after 10 fold dilution)
Sb	999

Standard ID : M1679

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2.0 **DESCRIPTION OF CRM** **10000 µg/mL Potassium in 2% (v/v) HNO3**

Catalog Number:	CGK10-1, CGK10-2, and CGK10-5
Lot Number:	**E2-K03022**
Starting Material:	KNO3
Starting Material Purity (%):	99.9981
Starting Material Lot No:	B19P01
Matrix:	2% (v/v) HNO3

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 9,985 ± 55 µg/mL - weighted mean

Certified Density: 1.025 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

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4.1 **Assay Method #1** **9,981 ± 40 µg/mL**
ICP Assay NIST SRM 3141a Lot Number: 051220

Assay Method #2 **9,996 ± 24 µg/mL**
Gravimetric NIST SRM Lot Number: See Sec. 4.2

Standard ID : M1469

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CERTIFICATE OF ANALYSIS

R: 8/15/2011

M2007

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ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM **1000 µg/mL Lithium in 0.14% (v/v) HNO3**

Catalog Number:	CGLI1-1, CGLI1-2, and CGLI1-5
Lot Number:	**D2-LI02123**
Starting Material:	Li2CO3
Starting Material Purity (%):	99.998872
Starting Material Lot No:	1312
Matrix:	0.14% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,000 ± 3 µg/mL

Certified Density: 1.005 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **1,000 ± 3 µg/mL**
ICP Assay NIST SRM 3129a Lot Number: 000505

Assay Method #2 **1,007 ± 1 µg/mL**
Gravimetric NIST SRM Lot Number: See Sec. 4.2

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ACCREDITED Reference Material Producer Certificate 863.02

2.0 **DESCRIPTION OF CRM** Stock Solution

Catalog No.: CLPP-CAL-1

Lot Number: **D2-MEB321132**

Matrix: 5% HNO3(v/v)

5,000 µg/mL ea:
Ca, K, Mg, Na,

2,000 µg/mL ea:
Al, Ba,

1,000 µg/mL ea:
Fe,

500 µg/mL ea:
Co, Mn, Ni, V, Zn,

250 µg/mL ea:
Ag, Cu,

200 µg/mL ea:
Cr3,

50 µg/mL ea:
Be

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Aluminum, Al	2,000 ± 7 µg/mL	Barium, Ba	2,000 ± 6 µg/mL	Beryllium, Be	50.09 ± 0.21 µg/mL
Calcium, Ca	5,000 ± 13 µg/mL	Chromium+3, Cr3	200.7 ± 1.5 µg/mL	Cobalt, Co	500.1 ± 1.1 µg/mL
Copper, Cu	250.8 ± 0.6 µg/mL	Iron, Fe	1,000 ± 3 µg/mL	Magnesium, Mg	5,000 ± 16 µg/mL
Manganese, Mn	500.1 ± 2.7 µg/mL	Nickel, Ni	500.3 ± 1.4 µg/mL	Potassium, K	5,000 ± 24 µg/mL
Silver, Ag	250.0 ± 0.6 µg/mL	Sodium, Na	5,000 ± 44 µg/mL	Vanadium, V	500.0 ± 1.9 µg/mL
Zinc, Zn	500.1 ± 2.1 µg/mL				

Certified Density: 1.119 g/mL (measured at 20 ± 1° C)

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ACCREDITED Testing Laboratory Certificate 883.01

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RM Stock Solution

CLPP-CAL-3

D2-MEB324156

7% HNO3(v/v)

ND UNCERTAINTIES

'E	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
µg/mL	Cadmium, Cd	500.0 ± 1.1 µg/mL	Lead, Pb	1,000 ± 2 µg/mL
µg/mL	Thallium, Tl	1,000 ± 4 µg/mL		

046 g/mL (measured at 20 ± 1° C)

calculation of the certified value and the uncertainty. Reported uncertainties represent expanded ly the 95% confidence level using a coverage factor of k = 2.

$\bar{x}$) = mean

x_i= individual results

= number of measurements

s_i= The summation of all significant estimated errors

Most common are the errors from instrumental measurement, eighing, dilution to volume and the fixed error reported on the IST SRM certificate of analysis)

697

ND VALUES OBTAINED BY INDEPENDENT METHODS

ırement or the value of a standard

Standard ID : M1623,M1656,M1825

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R: 11/14/11
M2102

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ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **10000 µg/mL Magnesium in 2% (v/v) HNO3**

Catalog Number:	CGMG10-1, CGMG10-2, and CGMG10-5
Lot Number:	**E2-MG03101**
Starting Material:	Mg metal
Starting Material Purity (%):	99.9995
Starting Material Lot No:	1484
Matrix:	2% (v/v) HNO3

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 10,007 ± 50 µg/mL - weighted mean

Certified Density: 1.051 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

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- This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **10,001 ± 28 µg/mL**
ICP Assay NIST SRM 3131a Lot Number: 050302

Assay Method #2 **10,014 ± 26 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

Standard ID : M1669

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ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **10000 µg/mL Sodium in 2% (v/v) HNO3**

Catalog Number:	CGNA10-1, CGNA10-2, and CGNA10-5
Lot Number:	**E2-NA03092**
Starting Material:	Na2CO3
Starting Material Purity (%):	99.9999
Starting Material Lot No:	C181157
Matrix:	2% (v/v) HNO3

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 10,032 ± 46 µg/mL - weighted mean

Certified Density: 1.035 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

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4.1 **Assay Method #1** **10,035 ± 20 µg/mL**
ICP Assay NIST SRM 3152a Lot Number: 010728

Assay Method #2 **10,029 ± 18 µg/mL**
Gravimetric NIST SRM Lot Number: See Sec. 4.2

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2.0 DESCRIPTION OF CRM **1000 µg/mL Nickel in 2% (v/v) HNO3**

Catalog Number:	CGNI1-1, CGNI1-2, and CGNI1-5
Lot Number:	**C2-NI02062**
Starting Material:	Ni pieces
Starting Material Purity (%):	99.999033
Starting Material Lot No:	E25T014
Matrix:	2% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1003 ± 3 µg/mL

Certified Density: 1.012 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

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4.1 **Assay Method #1** **998 ± 3 µg/mL**
ICP Assay NIST SRM 3136 Lot Number: 000612

Assay Method #2 **1003 ± 3 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

Standard ID : M1980

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2.0 **DESCRIPTION OF CRM** **1000 µg/mL Phosphorus in H2O**

Catalog Number:	CGP1-1, CGP1-2, and CGP1-5
Lot Number:	**E2-P02032**
Starting Material:	H3PO4
Starting Material Purity (%):	99.9983
Starting Material Lot No:	C29804
Matrix:	H2O

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 1,004 ± 5 µg/mL- weighted mean

Certified Density: 0.999 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

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4.1 **Assay Method #1** **1,005 ± 2 µg/mL**
ICP Assay NIST SRM 3139a Lot Number: 060717

Assay Method #2 **1,003 ± 2 µg/mL**
Acidimetric NIST SRM 84L Lot Number: 84L

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2.0 DESCRIPTION OF CRM **1000 µg/mL Lead in 0.5% (v/v) HNO3**

Catalog Number:	CGPB1-1, CGPB1-2, and CGPB1-5
Lot Number:	**D2-PB03020**
Starting Material:	Pb(NO3)2
Starting Material Purity (%):	99.999554
Starting Material Lot No:	E1007PBA1
Matrix:	0.5% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,008 ± 2 µg/mL-weighted avg. of 2 methods

Certified Density: 1.001 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

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4.1 **Assay Method #1** **1,003 ± 3 µg/mL**
ICP Assay NIST SRM 3128 Lot Number: 030721

Assay Method #2 **1,009 ± 2 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

Standard ID : M1860

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2.0 **DESCRIPTION OF CRM** Custom Second Source Solution

Catalog No.: CHEM-QC-4

Lot Number: **E2-MEB374039**

Matrix: 0.7% HF(v/v), 3% HNO3(v/v)

Second Source: Whenever possible, this solution was manufactured from a second set of concentrates in our manufacturing facility.

1,000 µg/mL ea:
B, Mo, Si, Sn, Ti

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Boron, B	1,000 ± 4 µg/mL	Molybdenum, Mo	1,000 ± 3 µg/mL	Silicon, Si	1,000 ± 2 µg/mL
Tin, Sn	1,000 ± 3 µg/mL	Titanium, Ti	1,000 ± 2 µg/mL		

Certified Density: 1.030 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

$$\text{Certified Value } (\bar{x}) = \frac{\sum x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\,[(\sum s_i)^2]^{1/2}}{(n)^{1/2}}$$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
$\sum s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

Standard ID : M1859

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ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL Antimony in HF in 2% (v/v) HNO3 / tr. HF**

Catalog Number:	CGSBF1-1, CGSBF1-2, and CGSBF1-5
Lot Number:	**D2-SB02125**
Starting Material:	Sb shot
Starting Material Purity (%):	99.999426
Starting Material Lot No:	R1105SBA1
Matrix:	2% (v/v) HNO3 / tr. HF

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 1,008 ± 5 µg/mL

Certified Density: 1.011 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
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n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

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4.1 **Assay Method #1** **1,008 ± 5 µg/mL**
ICP Assay NIST SRM 3102A Lot Number: 061229

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2.0 **DESCRIPTION OF CRM** **1000 µg/mL Selenium(+4) in 2% (v/v) HNO3**

Catalog Number:	CGSE(4)1-1, CGSE(4)1-2, and CGSE(4)1-5
Lot Number:	**D2-SE02020**
Starting Material:	Se shot
Starting Material Purity (%):	99.999203
Starting Material Lot No:	1505
Matrix:	2% (v/v) HNO3

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 1,004 ± 3 µg/mL

Certified Density: 1.011 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
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4.1 **Assay Method #1** **1,004 ± 3 µg/mL**
ICP Assay NIST SRM 3149 Lot Number: 992106

Assay Method #2 **1,007 ± 5 µg/mL**
Calculated NIST SRM Lot Number: See Sec. 4.2

Standard ID : M1857

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ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Stock Solution

Catalog No.: CLPP-SPK-1

Lot Number: **D2-MEB324145**

Matrix: 7% HNO3(v/v)

2,000 µg/mL ea:
Al, Ba,

1,000 µg/mL ea:
Fe,

500 µg/mL ea:
Co, Mn, Ni, V, Zn,

250 µg/mL ea:
Cu,

200 µg/mL ea:
Cr3,

50 µg/mL ea:
Ag, Be

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Aluminum, Al	2,000 ± 7 µg/mL	Barium, Ba	2,000 ± 3 µg/mL	Beryllium, Be	50.09 ± 0.21 µg/mL
Chromium+3, Cr3	200.0 ± 0.7 µg/mL	Cobalt, Co	500.0 ± 1.1 µg/mL	Copper, Cu	250.3 ± 0.5 µg/mL
Iron, Fe	1,000 ± 3 µg/mL	Manganese, Mn	500.1 ± 2.7 µg/mL	Nickel, Ni	499.8 ± 1.4 µg/mL
Silver, Ag	50.00 ± 0.12 µg/mL	Vanadium, V	500.0 ± 1.9 µg/mL	Zinc, Zn	499.9 ± 2.1 µg/mL

Certified Density: 1.071 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

Standard ID : M1864

INORGANIC VENTURES™

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CERTIFICATE OF ANALYSIS

1.0 **INORGANIC VENTURES** is an ISO Guide 34:2000 registered Certified Reference Material (CRM) Manufacturer (Certificate #883-02). The certificate is designed and the data is determined in accordance with ISO Guide 31:2000 (Reference Materials-Contents of Certificates and Labels), ISO Guide 34:2000 "Quality System Guidelines for the Production of Reference Materials," and ISO Guide 35-1989 "Certification of Reference Materials - General and Statistical Principals."

2.0 **DESCRIPTION OF CRM** Stock Solution

Catalog No.: CLPP-SPK-5

Lot Number: **B2-CICP21155**

Matrix: 3.5% HNO3(abs)

100.00 µg/mL ea:
Sb,

50.00 µg/mL ea:
Cd, Se, Tl,

40.00 µg/mL ea:
As,

20.00 µg/mL ea:
Pb

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Antimony, Sb	100.1 ± 0.2 µg/mL	Arsenic, As	40.13 ± 0.13 µg/mL	Cadmium, Cd	49.93 ± 0.21 µg/mL
Lead, Pb	20.06 ± 0.04 µg/mL	Selenium, Se	50.05 ± 0.20 µg/mL	Thallium, Tl	50.09 ± 0.14 µg/mL

Certified Density: 1.025 g/mL (measured at 22° C)

The following equations are used in the calculation of the certified value and the uncertainty

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume, and the fixed error reported on the NIST SRM certificate of analysis.)

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

"Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

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CERTIFICATE OF ANALYSIS

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1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL Thallium in 0.7% (v/v) HNO3**

Catalog Number:	CGTL1-1, CGTL1-2, and CGTL1-5
Lot Number:	**D2-TL01111**
Starting Material:	TlNO3
Starting Material Purity (%):	99.999671
Starting Material Lot No:	1479
Matrix:	0.7% (v/v) HNO3

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 1,000 ± 4 µg/mL

Certified Density: 1.003 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

· "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

· This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **1,000 ± 4 µg/mL (avg. of 2 runs)**
ICP Assay NIST SRM 3158 Lot Number: 993012

Assay Method #2 **1,001 ± 5 µg/mL**
Calculated NIST SRM Lot Number: See Sec. 4.2

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CERTIFICATE OF ANALYSIS

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ACCREDITED Testing Laboratory Certificate 883.01 — ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM **1000 µg/mL Vanadium in 2% (v/v) HNO3**

Catalog Number:	CGV1-1, CGV1-2, and CGV1-5
Lot Number:	**D2-V02065**
Starting Material:	V2O5
Starting Material Purity (%):	99.990563
Starting Material Lot No:	46
Matrix:	2% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,007 ± 3 µg/mL

Certified Density: 1.019 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\sum s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
$\sum s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

"Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **1,007 ± 3 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

Assay Method #2 **1,003 ± 4 µg/mL**
ICP Assay NIST SRM 3165 Lot Number: 992706

Standard ID : M1674

Standard ID : M1668,M1974

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CERTIFICATE OF ANALYSIS

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M1974

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL Zinc in 2% (v/v) HNO3**

Catalog Number:	CGZN1-1, CGZN1-2, and CGZN1-5
Lot Number:	**D2-ZN02065**
Starting Material:	Zn shot
Starting Material Purity (%):	99.999897
Starting Material Lot No:	1560
Matrix:	2% (v/v) HNO3

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 998 ± 4 µg/mL (avg. of 2 methods)

Certified Density: 1.012 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **997 ± 4 µg/mL (avg. of 2 runs)**
ICP Assay NIST SRM 3168a Lot Number: 080123

Assay Method #2 **999 ± 3 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

IS MO1.3 / 3050B

SOP:

ICP-AES

CHEMTECH

Soil/Sludge Preparation Sheet

C4462

PrepBatch ID : **PB59135**

Batch# PB59135

SDG No :

ICP Digest Date: 11, 10, 11 Time : 10:00 AM

Matrix : Solid

Sample Received By : D.M.

Final Volume : 100 ML

Acceptance Range: +/- 1%

① Wt. 1 g = 1.0007 ② Wt. 10 g = 10.0004

Balance Calibration Check (1.00): G

Dig Technician Signature: Neelam Patel.

Method : IS MO1.3 - AES.

Supervisor Signature: D.M.

Hot ~~Plate~~ Temp : 1. 95°C 2. 3.

Block.

Prep Code: ~~CR1~~ 11/10/11 NP.

Calibration 1.5-Pint.

Standared Name	MLS USED	STD REF. # FROM LOG
LCSS	1.0 mL	MP9048
Spike Sol 6	2.0 mL	MP9045
	11/10/11 NP	

Chemical Used	Lot Number
1:1 HNO3	MP8990
CONC: HNO3	M2074
30% H2O2	M1909
CONC: HCL	M2060
	11/10/11 NP

Date / Time	Received By	Relinquished By	Location
11/10/11 14:00	D.M.	Neelam Patel.	ICP Lab
	Analysis Group	Digestion Group	
	DN	NP, PM, RD	

CHEMTECH Soil/Sludge Sample Preparation Worksheet PrepBatch ID : **PB59135**

Lab Sample ID	Client Sample ID	Weight	Color Before	Color After	Texture	Artifact	Comments
C4462-01	MH30S4	1.40	BR	Y	M		
C4462-02	MH30S5	1.32	BR	Y	M		
C4462-03	MH3BB7	1.35	Gry	Y	M		
C4462-04	MH3BB8	1.25	Gry	Y	M		
C4462-05	MH3BB9	1.34	Gry	Y	M		
C4462-06	MH3BC0	1.37	Gry	Y	M		
C4462-07	MH3BC1	5.65	Gry	Y	M		
C4462-08	MH3BC2	1.19	Gry	Y	M		
C4462-09	MH3BC3	1.35	Gry	Y	M		
C4462-10	MH3BC4	1.39	Gry	Y	M		
C4462-11	MH3BC5	1.00	BR	Y	M		
C4462-12	MH3BC5D	1.00	BR	Y	M		11/10/11
C4462-13	MH3BC5S	1.00	BR	Y	M		Spk. Vol. 6
C4462-14	MH3BC6	1.41	Gry	Y	M		
C4462-15	MH3BC7	4.75	Gry	Y	M		
C4462-16	MH3BC8	1.35	BR	Y	M		
C4462-17	MH3BC9	4.24	Gry	Y	M		
C4462-18	MH3BD0	1.24	Gry	Y	M		
PB59135BL	PBS01	1.00	C	C	F		11/10/11
PB59135BS	LCS01	1.00	C	C	F		MP9048

* BL=Blank BS=Blank Spike TB=TCLP Blank
* COLOR: R=Red BU=Blue Y=Yellow GR=Green O=Orange V=Violet W=White C=Colorless BR=Brown GY=Grey BL=Black
* CLARITY: CL=Clear CD=Cloudy O=Opaque
* TEXTURE: F=Fine M=Medium C=Coarse
* ARTIFACT: Y=Yes N=No

CHEMTECH Soil/Sludge Sample Preparation Worksheet PrepBatch ID : **PB59135**

Lab Sample ID	Client Sample ID	Weight	Color Before	Color After	Texture	Artifact	Comments
C4462-01	MH30S4	1.40	Brown	Yellow	Medium		
C4462-02	MH30S5	1.32	Brown	Yellow	Medium		
C4462-03	MH3BB7	1.35	Gray	Yellow	Medium		
C4462-04	MH3BB8	1.25	Gray	Yellow	Medium		
C4462-05	MH3BB9	1.34	Gray	Yellow	Medium		
C4462-06	MH3BC0	1.37	Gray	Yellow	Medium		
C4462-07	MH3BC1	5.65	Gray	Yellow	Medium		
C4462-08	MH3BC2	1.19	Gray	Yellow	Medium		
C4462-09	MH3BC3	1.35	Gray	Yellow	Medium		
C4462-10	MH3BC4	1.39	Gray	Yellow	Medium		
C4462-11	MH3BC5	1.00	Brown	Yellow	Medium		
C4462-12	MH3BC5D	1.00	Brown	Yellow	Medium		11/10/11
C4462-13	MH3BC5S	1.00	Brown	Yellow	Medium		Spk. Sol. 6
C4462-14	MH3BC6	1.41	Gray	Yellow	Medium		
C4462-15	MH3BC7	4.75	Gray	Yellow	Medium		
C4462-16	MH3BC8	1.35	Brown	Yellow	Medium		
C4462-17	MH3BC9	4.24	Gray	Yellow	Medium		
C4462-18	MH3BD0	1.24	Gray	Yellow	Medium		
PB59135BL	PBS01	1.00	Colorless	Colorless	Fine		11/10/11
PB59135BS	LCS01	1.00	Colorless	Colorless	Fine		MP 9048

*** BL=Blank BS=Blank Spike TB=TCLP Blank**
*** COLOR: R=Red BU=Blue Y=Yellow GR=Green O=Orange V=Violet W=White C=Colorless BR=Brown GY=Grey BL=Black**
*** CLARITY: CL=Clear CD=Cloudy O=Opaque**
*** TEXTURE: F=Fine M=Medium C=Coarse**
*** ARTIFACT: Y=Yes N=No**

M-PERCENT SOLIDS-02 (ILM05.4)

CHEMTECH

QC: LB 57639

PERCENT SOLIDS

ANALYST: Ray
DATE: 11-5-11

Lab ID	Client ID	Dish #	Dish Weight (g)	Dish Wt. + Sample (g)	Dish Wt.+ Dry Sample (g)	% Solids
C4462-01	MH3SS4	1	1.17	9.66	6.46	62.3
C4462-02	MH3SS5	2	1.18	9.62	7.91	79.7
C4462-03	MH3BB7	3	1.16	9.75	4.65	40.6
C4462-04	MH3BB8	4	1.17	9.84	4.05	33.2
C4462-05	MH3BB9	5	1.18	9.69	6.6	63.7
C4462-06	MH3BC0	6	1.19	9.59	4.47	39.0
C4462-07	MH3BC1	7	1.17	9.83	3.16	23.0
C4462-08	MH3BC2	8	1.18	9.53	4.93	44.9
C4462-09	MH3BC3	9	1.17	9.49	4.71	42.5
C4462-10	MH3BC4	10	1.18	9.78	4.43	37.8
C4462-11	MH3BC5	11	1.16	9.57	5.89	56.2
C4462-12	MH3BC5D	12	1.18	9.58	5.98	57.1
C4462-13	MH3BC5S	13	NR	NR	NR	NR
C4462-14	MH3BC6	14	1.18	9.84	7.56	73.7
C4462-15	MH3BC7	15	1.17	9.56	3.35	26.0
C4462-16	MH3BC8	16	1.16	9.66	7.08	69.6
C4462-17	MH3BC9	17	1.16	9.67	3.46	27.0
C4462-18	MH3BD0	18	1.17	9.69	6.04	57.2
BLANK	DISH	B1	1.16	1.16	1.16	0.0

OVEN TEMP: 110C
TIME IN: 11-4-11 19:00 AM
TIME OUT:

OVEN TEMP: 105C
TIME OUT: 11-5-11 10:00 AM

ORIGIN ID: MSOA (303) 296-3523
URS OPERATING SERVICES
1099 18TH ST STE 710
DENVER, CO 802021907
UNITED STATES US

SHIP DATE: 28OCT11
ACTWGT: 61.2 LB
CAD: /POS1242
DIMS: 24x14x14 IN

BILL SENDER

Part # 156298-438 RITZ 07/11

TO
CHEMTECH GROUP LLC
284 SHEFFIELD ST

MOUNTAINSIDE NJ 07092
(847) 480-9117
REF: DEPT:
INV:
PO:

PS
10/29/11
10:34

FedEx Express

J1120108010210 95

SATURDAY ### A1
PRIORITY OVERNIGHT
DSR
07092
NJ-US EWR

TRK# 0200 8768 2873 8232

XO CDWA

MH3058

SNENAL
10/29/11

ORIGIN ID: SYRA (732) 585-4429
WESTON SOLUTIONS,INC/GOVT ACCT

1090 KING GEROGES POST,STE 201

EDISON, NJ 08837
UNITED STATES US

SHIP DATE: 02NOV11
ACTWGT: 28.2 LB
CAD: /POS1242
DIMS: 26x14x14 IN

BILL SENDER

Part # 156297-456 RIT 04/11

TO DIVYA MEHTA
CHEMTECH CONSULTING
284 SHEFFIELD ST
STE 1
MOUNTAINSIDE NJ 07092
(908) 789-8945

REF:
INV:
PO:
DEPT:

PS
11/3/11
9:15

FedEx Express

J1120110805 0125

THU - 03 NOV A1
TRK# 0200 8739 8176 0364
STANDARD OVERNIGHT

EB CDWA

07092
NJ-US EWR

CHEMTECH
284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Login Summary Report

Order ID :	C4462	Order Date :	11/3/2011 9:15:00 AM	Project Mgr :	Snehal
Client :	USEPA CLP SMO	Project :	41926	Report Type :	USEPA CLP
Contact :	Anita Kapadia	Receive Date :	11/3/2011 9:15:00 AM	EDD Type :	EPA CLP
Date Sign Off :	11/4/2011 3:24:54 PM				

Sample ID	Client ID	Matrix	Sampling Date	Test	Test Group	Method	TAT Days	Fax Due Date	HC Due Date
C4462-01	MH3SS4	Solid	10/25/2011						
				Metals CLP Full		ISM01.3_AES	15	11/24/2011	11/24/2011
				Percent Solids		Chemtech -SOP	15	11/24/2011	11/24/2011
C4462-02	MH3SS5	Solid	10/25/2011						
				Metals CLP Full		ISM01.3_AES	15	11/24/2011	11/24/2011
				Percent Solids		Chemtech -SOP	15	11/24/2011	11/24/2011
C4462-03	MH3BB7	Solid	10/27/2011						
				Metals CLP Full		ISM01.3_AES	15	11/24/2011	11/24/2011
				Percent Solids		Chemtech -SOP	15	11/24/2011	11/24/2011
C4462-04	MH3BB8	Solid	10/27/2011						
				Metals CLP Full		ISM01.3_AES	15	11/24/2011	11/24/2011
				Percent Solids		Chemtech -SOP	15	11/24/2011	11/24/2011
C4462-05	MH3BB9	Solid	10/27/2011						
				Metals CLP Full		ISM01.3_AES	15	11/24/2011	11/24/2011
				Percent Solids		Chemtech -SOP	15	11/24/2011	11/24/2011
C4462-06	MH3BC0	Solid	10/27/2011						
				Metals CLP Full		ISM01.3_AES	15	11/24/2011	11/24/2011
				Percent Solids		Chemtech -SOP	15	11/24/2011	11/24/2011
C4462-07	MH3BC1	Solid	10/27/2011						
				Metals CLP Full		ISM01.3_AES	15	11/24/2011	11/24/2011
				Percent Solids		Chemtech -SOP	15	11/24/2011	11/24/2011
C4462-08	MH3BC2	Solid	10/27/2011						
				Metals CLP Full		ISM01.3_AES	15	11/24/2011	11/24/2011
				Percent Solids		Chemtech -SOP	15	11/24/2011	11/24/2011
C4462-09	MH3BC3	Solid	10/28/2011						
				Metals CLP Full		ISM01.3_AES	15	11/24/2011	11/24/2011
				Percent Solids		Chemtech -SOP	15	11/24/2011	11/24/2011
C4462-10	MH3BC4	Solid	10/28/2011						
				Metals CLP Full		ISM01.3_AES	15	11/24/2011	11/24/2011

				Percent Solids	Chemtech -SOP	15	11/24/2011	11/24/2011
C4462-11	MH3BC5	Solid	10/28/2011					
				Metals CLP Full	ISM01.3_AES	15	11/24/2011	11/24/2011
				Percent Solids	Chemtech -SOP	15	11/24/2011	11/24/2011
C4462-12	MH3BC5D	Solid	10/28/2011					
				Metals CLP Full	ISM01.3_AES	15	11/24/2011	11/24/2011
				Percent Solids	Chemtech -SOP	15	11/24/2011	11/24/2011
C4462-13	MH3BC5S	Solid	10/28/2011					
				Metals CLP Full	ISM01.3_AES	15	11/24/2011	11/24/2011
				Percent Solids	Chemtech -SOP	15	11/24/2011	11/24/2011
C4462-14	MH3BC6	Solid	10/28/2011					
				Metals CLP Full	ISM01.3_AES	15	11/24/2011	11/24/2011
				Percent Solids	Chemtech -SOP	15	11/24/2011	11/24/2011
C4462-15	MH3BC7	Solid	10/28/2011					
				Metals CLP Full	ISM01.3_AES	15	11/24/2011	11/24/2011
				Percent Solids	Chemtech -SOP	15	11/24/2011	11/24/2011
C4462-16	MH3BC8	Solid	10/28/2011					
				Metals CLP Full	ISM01.3_AES	15	11/24/2011	11/24/2011
				Percent Solids	Chemtech -SOP	15	11/24/2011	11/24/2011
C4462-17	MH3BC9	Solid	10/28/2011					
				Metals CLP Full	ISM01.3_AES	15	11/24/2011	11/24/2011
				Percent Solids	Chemtech -SOP	15	11/24/2011	11/24/2011
C4462-18	MH3BD0	Solid	10/28/2011					
				Metals CLP Full	ISM01.3_AES	15	11/24/2011	11/24/2011
				Percent Solids	Chemtech -SOP	15	11/24/2011	11/24/2011

From: Danuta [Danuta@chemtech.net]
Sent: Monday, November 07, 2011 3:24 PM
To: Krupa@chemtech.net
Subject: Case-41926, SDG-MH3SS4 PERCENT SOLIDS

Krupa , please inform EPA , Case-41926, SDG-MH3SS4 fallowing samples have percent solids <50%

MH3BB7	40.6%
MH3BB8	33.2%
MH3BC0	39.0%
MH3BC1	23.0%
MH3BC2	44.9%
MH3BC3	42.5%
MH3BC4	37.8%
MH3BC7	26.0%
MH3BC9	27.0%

Regards,
Danuta Roguski
Direct Line: **(908) 728-3156**
General Number: **(908) 789-8900**
Fax: **(908) 789-8922**

CHEMTECH
284 Sheffield Street,
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ACCREDITED IN ACCORDANCE WITH nelac
LABORATORY ACCREDITATION BUREAU ACCREDITED ISO/IEC 17025
DoD ELAP

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TM	Renamed TM	DM	Renamed DM	SOIL ID	Renamed Soil
SSGW03	MH3B85	SSGW03	MH3BA1	SSSO0514	MH3BB7
SSGW04	MH3B86	SSGW04	MH3BA2	SSSO0612	MH3BB8
SSGW05	MH3B87	SSGW05	MH3BA3	SSSO0902	MH3BB9
SSGW07	MH3B88	SSGW07	MH3BA4	SSSO0916	MH3BC0
SSGW08	MH3B89	SSGW08	MH3BA5	SSSO1002	MH3BC1
SSGW10	MH3B90	SSGW10	MH3BA6	SSSO1102	MH3BC2
SSGW11	MH3B91	SSGW11	MH3BA7	SSSO1110	MH3BC3
SSGW12	MH3B92	SSGW12	MH3BA8	SSSO1202	MH3BC4
SSGW18	MH3B93	SSGW18	MH3BA9	SSSO1302	MH3BC5
SSGW23	MH3B94	SSGW23	MH3BB0	SSSO1306	MH3BC6
SSGW24	MH3B95	SSGW24	MH3BB1	SSSO1402	MH3BC7
SSGW25	MH3B96	SSGW25	MH3BB2	SSSO1702	MH3BC8
SSGW26	MH3B97	SSGW26	MH3BB3	SSSO8902	MH3BC9
SSGW89	MH3B98	SSGW89	MH3BB4	SSSO9903	MH3BD0
SSGW99	MH3B99	SSGW99	MH3BB5		
SSSW89	MH3BA0	SSSW89	MH3BB6		

WORKLIST(Hardcopy Internal Chain)

Worklist Name C4462AES **Date:** 10-Nov-11

Due Date	matrix	Sample	Test	Preservative	Customer	Storage location	Customer Sample	Collect Date	METHOD
10/25/2011 9:55:00 AM	Solid	C4462-01	Metals CLP Full	Cool	USEPA CLP SMO	A12	MH30S4	10/25/2011	ISM01.3_AES
10/25/2011 10:36:00 AM	Solid	C4462-02	Metals CLP Full	Cool	USEPA CLP SMO	A12	MH30S5	10/25/2011	ISM01.3_AES
10/27/2011 2:10:00 PM	Solid	C4462-03	Metals CLP Full	Cool	USEPA CLP SMO	A12	MH3BB7	10/27/2011	ISM01.3_AES
10/27/2011 1:50:00 PM	Solid	C4462-04	Metals CLP Full	Cool	USEPA CLP SMO	A12	MH3BB8	10/27/2011	ISM01.3_AES
10/27/2011 5:45:00 PM	Solid	C4462-05	Metals CLP Full	Cool	USEPA CLP SMO	A12	MH3BB9	10/27/2011	ISM01.3_AES
10/27/2011 3:40:00 PM	Solid	C4462-06	Metals CLP Full	Cool	USEPA CLP SMO	A12	MH3BC0	10/27/2011	ISM01.3_AES
10/27/2011 4:00:00 PM	Solid	C4462-07	Metals CLP Full	Cool	USEPA CLP SMO	A12	MH3BC1	10/27/2011	ISM01.3_AES
10/27/2011 5:20:00 PM	Solid	C4462-08	Metals CLP Full	Cool	USEPA CLP SMO	A12	MH3BC2	10/27/2011	ISM01.3_AES
10/28/2011 4:40:00 PM	Solid	C4462-09	Metals CLP Full	Cool	USEPA CLP SMO	A12	MH3BC3	10/28/2011	ISM01.3_AES
10/28/2011 4:40:00 PM	Solid	C4462-10	Metals CLP Full	Cool	USEPA CLP SMO	A12	MH3BC4	10/28/2011	ISM01.3_AES
10/28/2011 4:40:00 PM	Solid	C4462-11	Metals CLP Full	Cool	USEPA CLP SMO	A12	MH3BC5	10/28/2011	ISM01.3_AES
10/28/2011 10:45:00 AM	Solid	C4462-12	Metals CLP Full	Cool	USEPA CLP SMO	A12	MH3BC5D	10/28/2011	ISM01.3_AES
10/28/2011 1:30:00 PM	Solid	C4462-13	Metals CLP Full	Cool	USEPA CLP SMO	A12	MH3BC5S	10/28/2011	ISM01.3_AES
10/28/2011 6:25:00 PM	Solid	C4462-14	Metals CLP Full	Cool	USEPA CLP SMO	A12	MH3BC6	10/28/2011	ISM01.3_AES
10/28/2011 1:30:00 PM	Solid	C4462-15	Metals CLP Full	Cool	USEPA CLP SMO	A12	MH3BC7	10/28/2011	ISM01.3_AES
10/28/2011 4:40:00 PM	Solid	C4462-16	Metals CLP Full	Cool	USEPA CLP SMO	A12	MH3BC8	10/28/2011	ISM01.3_AES
10/28/2011 4:40:00 PM	Solid	C4462-17	Metals CLP Full	Cool	USEPA CLP SMO	A12	MH3BC9	10/28/2011	ISM01.3_AES
10/28/2011 4:40:00 PM	Solid	C4462-18	Metals CLP Full	Cool	USEPA CLP SMO	A12	MH3BD0	10/28/2011	ISM01.3_AES

Date/Time 11/10/11 8:00 AM
Received by: NP
Relinquished by:

Date/Time 11/10/11 5:00 PM
Received by:
Relinquished by:

721